SECTION AV

AUDIO, VISUAL & NAVIGATION SYSTEM

CONTENTS

INFINITI INTOUCH

PRECAUTION 12

PRECAUTIONS 12
- Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" 12
- Precaution for Battery Service 12
- Precautions for Removing Battery Terminal 12
- Precaution for Trouble Diagnosis 13
- Precaution for Harness Repair 13

PREPARATION 14

PREPARATION 14
- Commercial Service Tools 14

SYSTEM DESCRIPTION 15

COMPONENT PARTS 15
- Component Parts Location 15
- Display Control Unit 25
- NAVI Control Unit 26
- AV Control Unit 26
- Integral Switch 27
- Multifunction Switch 28
- External Data Input Box 28

WITH BOSE SYSTEM 28
- WITH BOSE SYSTEM : BOSE Amp. 28
- WITH BOSE SYSTEM : Speaker 29

WITHOUT BOSE SYSTEM 30
- WITHOUT BOSE SYSTEM : Speaker 30
- Microphone (for Hands-free Phone/Voice Recognition) 31
- Steering Switch 32
- Antenna and Antenna Feeder 32
- Steering Angle Sensor 35
- SD Card 35
- Active Noise Control Unit 35
- Front Microphone (for Active Noise Cancellation or AudioPilot) 35
- Rear Microphone (for Active Noise Cancellation) 36

INFINITI INTOUCH 37

BASE AUDIO WITHOUT NAVIGATION 37
- BASE AUDIO WITHOUT NAVIGATION : System Description 37
- BASE AUDIO WITHOUT NAVIGATION : Circuit Diagram 40
- BASE AUDIO WITHOUT NAVIGATION : Fail-Safe (Display Control Unit) 45
- BASE AUDIO WITHOUT NAVIGATION : Fail-Safe (Active Noise Control Unit) 47

BOSE AUDIO WITHOUT NAVIGATION 47
- BOSE AUDIO WITHOUT NAVIGATION : System Description 48
- BOSE AUDIO WITHOUT NAVIGATION : Circuit Diagram 51
- BOSE AUDIO WITHOUT NAVIGATION : Fail-Safe (Display Control Unit) 55

BOSE AUDIO WITH NAVIGATION 57
- BOSE AUDIO WITH NAVIGATION : System Description 58
- BOSE AUDIO WITH NAVIGATION : Circuit Diagram 62
- BOSE AUDIO WITH NAVIGATION : Fail-Safe (Display Control Unit) 67

INFORMATION DISPLAY (COMBINATION METER) 69
- INFORMATION DISPLAY (COMBINATION METER) : Display/Information 70

AUDIO SYSTEM 71

WITH BOSE SYSTEM 71
- WITH BOSE SYSTEM : System Description 71

WITHOUT BOSE SYSTEM 73

WITHOUT BOSE SYSTEM : System Description... 74

HANDS-FREE PHONE SYSTEM 77

WITH BOSE SYSTEM 77
WITH BOSE SYSTEM : System Description 77

WITHOUT BOSE SYSTEM 78
WITHOUT BOSE SYSTEM : System Description... 78

NAVIGATION SYSTEM 80
System Description 80

ACTIVE NOISE CANCELLATION 83

WITH BOSE SYSTEM 83
WITH BOSE SYSTEM : System Description 83

WITHOUT BOSE SYSTEM 83
WITHOUT BOSE SYSTEM : System Description... 84

ACTIVE SOUND ENHANCEMENT 85

WITH BOSE SYSTEM 85
WITH BOSE SYSTEM : System Description 85

WITHOUT BOSE SYSTEM 85
WITHOUT BOSE SYSTEM : System Description... 86

HANDLING PRECAUTION 87
Display 87
Audio 87
iPod® 88
USB Connection 88
SD Card 88

DIAGNOSIS SYSTEM (DISPLAY CONTROL UNIT) 89
Description 89
On Board Diagnosis Function 89
CONSULT Function 102

DIAGNOSIS SYSTEM (ACTIVE NOISE CONTROL UNIT) 104
CONSULT Function 104

ECU DIAGNOSIS INFORMATION 105

DISPLAY CONTROL UNIT 105
Reference Value 105
Fail-Safe (Display Control Unit) 110
DTC Inspection Priority Chart 112
DTC Index 113

AV CONTROL UNIT 117
Reference Value 117

BOSE AMP. 122
Reference Value 122

NAVI CONTROL UNIT 127
Reference Value 127

INTEGRAL SWITCH 129
Reference Value 129

ACTIVE NOISE CONTROL UNIT 132
Reference Value 132
Fail-Safe (Active Noise Control Unit) 135
DTC Inspection Priority Chart 135
DTC Index 135

WIRING DIAGRAM 137

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) 137
Wiring Diagram 137

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) 185
Wiring Diagram 185

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) 232
Wiring Diagram 232

BASIC INSPECTION 287

DIAGNOSIS AND REPAIR WORKFLOW 287
Work Flow 287

ADDITIONAL SERVICE WHEN REPLACING DISPLAY CONTROL UNIT 289
Description 289
Work Procedure 289

ADDITIONAL SERVICE WHEN REPLACING AV CONTROL UNIT 290
Description 290
Work Procedure 290

ADDITIONAL SERVICE WHEN REPLACING NAVI CONTROL UNIT 291
Description 291
Work Procedure 291

CONFIGURATION (DISPLAY CONTROL UNIT) 292
Work Procedure 292

DTC/CIRCUIT DIAGNOSIS 294

B1F00 ACTIVE NOISE CONTROL UNIT 294
DTC Description 294
Diagnosis Procedure 294

B1F01 ENGINE SPEED SIGNAL 295

WITH BOSE SYSTEM 295
WITH BOSE SYSTEM : DTC Description 295
WITH BOSE SYSTEM : Diagnosis Procedure 295

WITHOUT BOSE SYSTEM 296
WITHOUT BOSE SYSTEM : DTC Description 296
WITHOUT BOSE SYSTEM : Diagnosis Procedure 297

B1F05, B1F06, B1F07 CAN SIGNAL ERROR. 300
DTC Description 300
Diagnosis Procedure 301

B1F0A ANC MIC1/CONTROL UNIT 302
DTC Description 302
Diagnosis Procedure 302

B1F0B, B1F0C, B1F0D, B1F0E ANC MIC1 CIRCUIT 304
DTC Description 304
Diagnosis Procedure 304

B1F0F ANC MIC2/CONTROL UNIT 307
DTC Description 307
Diagnosis Procedure 307

B1F10, B1F11, B1F12, B1F13 ANC MIC2 CIRCUIT 309
DTC Description 309
Diagnosis Procedure 309

B1F14 ANC MIC3/CONTROL UNIT 312
DTC Description 312
Diagnosis Procedure 312

B1F15, B1F16, B1F17, B1F18 ANC MIC3 CIRCUIT 314
DTC Description 314
Diagnosis Procedure 314

B1F20 CAN SIGNAL ERROR 317
DTC Description 317
Diagnosis Procedure 317

U0100 CAN COMMUNICATION 319
DTC Description 319
Diagnosis Procedure 319

U0140 CAN COMMUNICATION 321
DTC Description 321
Diagnosis Procedure 321

U0155 CAN COMMUNICATION 323
DTC Description 323
Diagnosis Procedure 323

U0198 CAN COMMUNICATION 325
DTC Description 325
Diagnosis Procedure 325

U1000 CAN COMM CIRCUIT 327

DISPLAY CONTROL UNIT 327
DISPLAY CONTROL UNIT : DTC Description 327
DISPLAY CONTROL UNIT :
Diagnosis Procedure 327

ACTIVE NOISE CONTROL UNIT 328
ACTIVE NOISE CONTROL UNIT : DTC Description 328
ACTIVE NOISE CONTROL UNIT :
Diagnosis Procedure 328

U1010 CONTROL UNIT (CAN) 330

DISPLAY CONTROL UNIT 330
DISPLAY CONTROL UNIT : DTC Description 330
DISPLAY CONTROL UNIT :
Diagnosis Procedure 330

ACTIVE NOISE CONTROL UNIT 330
ACTIVE NOISE CONTROL UNIT : DTC Description 330
ACTIVE NOISE CONTROL UNIT :
Diagnosis Procedure 331

U121F DISPLAY CONTROL UNIT 332
DTC Description 332
Diagnosis Procedure 332

U1223 CONFIG UNFINISH 333
DTC Description 333
Diagnosis Procedure 333

U1231 BOSE AMP. 334
DTC Description 334
Diagnosis Procedure 334

U1232 STEERING ANGLE SENSOR 335
DTC Description 335
Diagnosis Procedure 335

U1233 NAVI CONTROL UNIT 336
DTC Description 336
Diagnosis Procedure 336

U1234 AV CONTROL UNIT 337
DTC Description 337
Diagnosis Procedure 337

U1244 GPS ANTENNA CONN 338
DTC Description 338
Diagnosis Procedure 338

U1249 AUDIO H/U CONN 339
DTC Description 339
Diagnosis Procedure 339

U124E AMP CONN 341
DTC Description 341
Diagnosis Procedure 341

U1258 SATELLITE RADIO ANTENNA 343
DTC Description 343
Diagnosis Procedure 343

U1259 INTEGRAL SWITCH CONN 345
DTC Description 345
Diagnosis Procedure 345

U125B AVM CONN 347
DTC Description 347
Diagnosis Procedure 347

U125D NAVI CONN 349
DTC Description 349
Diagnosis Procedure 349

U1266 TCU 350
DTC Description 350
Diagnosis Procedure 350

U1267 METER CONN 352
DTC Description 352
Diagnosis Procedure 352

U12B7 USB CONN 354
DTC Description 354
Diagnosis Procedure 354

U12B8 REAR CAMERA CONN 355
DTC Description 355
Diagnosis Procedure 355

U12BA MULTIFUNCTION SWITCH CONN ... 357
DTC Description 357
Diagnosis Procedure 357
Component Inspection 358

U12BE RADIO ANTENNA CONN 359
DTC Description 359
Diagnosis Procedure 359

U1300 AV COMM CIRCUIT 361
DTC Description 361
Diagnosis Procedure 362

U1310 DISPLAY CONTROL UNIT 363
DTC Description 363
Diagnosis Procedure 363

U1600, U1608 DOOR SPEAKER 364
DTC Description 364
Diagnosis Procedure 365

U1601, U1609 DOOR WOOFER 367
DTC Description 367
Diagnosis Procedure 368

U1602, U160A DOOR SQUAWKER 370
DTC Description 370
Diagnosis Procedure 371

U1603, U160B TWEETER 373
DTC Description 373
Diagnosis Procedure 374

U1626, U162E FRONT SQUAWKER 376
DTC Description 376
Diagnosis Procedure 377

U162A CENTER SQUAWKER 379
DTC Description 379
Diagnosis Procedure 379

U1716, U171E REAR SQUAWKER 381
DTC Description 381
Diagnosis Procedure 382

U1720, U1728 REAR SPEAKER 384
DTC Description 384
Diagnosis Procedure 385

U1721, U1729 REAR WOOFER 387
DTC Description 387
Diagnosis Procedure 388

POWER SUPPLY AND GROUND CIRCUIT ...390

DISPLAY CONTROL UNIT 390
DISPLAY CONTROL UNIT : Diagnosis Procedure
. 390

AV CONTROL UNIT 391
AV CONTROL UNIT : Diagnosis Procedure 391

NAVI CONTROL UNIT 392
NAVI CONTROL UNIT : Diagnosis Procedure 392

BOSE AMP. 394
BOSE AMP. : Diagnosis Procedure 394

INTEGRAL SWITCH 395
INTEGRAL SWITCH : Diagnosis Procedure 395

ACTIVE NOISE CONTROL UNIT 396
ACTIVE NOISE CONTROL UNIT : Diagnosis Procedure 396

COMPOSITE IMAGE SIGNAL CIRCUIT 399
Diagnosis Procedure 399

DISK EJECT SIGNAL CIRCUIT 401
Description 401
Diagnosis Procedure 401

MICROPHONE SIGNAL CIRCUIT 403

WITHOUT TELEMATICS SYSTEM 403
WITHOUT TELEMATICS SYSTEM : Description. 403
WITHOUT TELEMATICS SYSTEM : Diagnosis Procedure 403

WITH TELEMATICS SYSTEM 404
WITH TELEMATICS SYSTEM : Description 404
WITH TELEMATICS SYSTEM : Diagnosis Procedure 404

SOUND SIGNAL CIRCUIT 407

WITHOUT BOSE SYSTEM 407
WITHOUT BOSE SYSTEM : Diagnosis Procedure 407

WITH BOSE SYSTEM 408
WITH BOSE SYSTEM : Diagnosis Procedure 408

STEERING SWITCH SIGNAL A CIRCUIT 412
Component Function Check 412
Diagnosis Procedure 412

Component Inspection 413

STEERING SWITCH SIGNAL B CIRCUIT 415
Component Function Check 415
Diagnosis Procedure 415
Component Inspection 416

VOICE GUIDANCE SIGNAL CIRCUIT 418

BASE AUDIO WITHOUT NAVIGATION 418
BASE AUDIO WITHOUT NAVIGATION : Diagnosis Procedure 418

BOSE AUDIO WITHOUT NAVIGATION 418
BOSE AUDIO WITHOUT NAVIGATION : Diagnosis Procedure 419

BOSE AUDIO WITH NAVIGATION 419
BOSE AUDIO WITH NAVIGATION : Diagnosis Procedure 419

SYMPTOM DIAGNOSIS 422

MULTI AV SYSTEM SYMPTOMS 422
Symptom Table 422

NORMAL OPERATING CONDITION 426
Description 426

REMOVAL AND INSTALLATION 431

DISPLAY CONTROL UNIT 431
Removal and Installation 431

AV CONTROL UNIT 432
Exploded View 432
Removal and Installation 432

NAVI CONTROL UNIT 433
Exploded View 433
Removal and Installation 433

INTEGRAL SWITCH 435
Removal and Installation 435

MULTIFUNCTION SWITCH 436
Removal and Installation 436

EXTERNAL DATA INPUT BOX 437
Removal and Installation 437

BOSE AMP. 438
Removal and Installation 438

FRONT SQUAWKER 440
Removal and Installation 440

CENTER SQUAWKER 441
Removal and Installation 441

TWEETER 442
Removal and Installation 442

DOOR SQUAWKER 443
Removal and Installation 443

DOOR WOOFER 444
Removal and Installation 444

DOOR SPEAKER 445
Removal and Installation 445

REAR SQUAWKER 446
Removal and Installation 446

REAR SPEAKER 447
Removal and Installation 447

REAR WOOFER 448
Removal and Installation 448

ANTENNA FEEDER 449
Feeder Layout 449

SATELLITE RADIO ANTENNA 450
Exploded View 450
Removal and Installation 450

ANTENNA AMP. 451
Removal and Installation 451

GPS ANTENNA 452
Removal and Installation 452

STEERING SWITCH 453
Removal and Installation 453

MICROPHONE 454
Removal and Installation 454

ACTIVE NOISE CONTROL UNIT 455
Removal and Installation 455

FRONT MICROPHONE (ACTIVE NOISE CANCELLATION) 457
Removal and Installation 457

REAR MICROPHONE (ACTIVE NOISE CANCELLATION) 458
Removal and Installation 458

AROUND VIEW MONITOR SYSTEM

PRECAUTION 459

PRECAUTIONS 459
Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" 459
Precaution for Battery Service 459
Precautions for Removing Battery Terminal 459
Precaution for Trouble Diagnosis 460
Precaution for Harness Repair 460

PREPARATION 461

PREPARATION 461
Commercial Service Tools 461

Lubricant or/and Sealant 461

SYSTEM DESCRIPTION 462

COMPONENT PARTS 462
Component Parts Location 462
Around View Monitor Control Unit 464
Front Camera 464
Side Camera 464
Rear Camera 465
Sonar Control Unit 465
Sonar Sensor 465
Buzzer 466
Steering Angle Sensor 466

AROUND VIEW MONITOR SYSTEM 467
System Description 467
Circuit Diagram 478
Fail-Safe (Around View Monitor Control Unit) 482
Fail-Safe (Sonar Control Unit) 484

HANDLING PRECAUTION 485
Display 485
Around View Monitor 485

DIAGNOSIS SYSTEM (AROUND VIEW MONITOR CONTROL UNIT) 487
CONSULT Function 487

DIAGNOSIS SYSTEM (SONAR CONTROL UNIT) 491
CONSULT Function 491

ECU DIAGNOSIS INFORMATION 494

DISPLAY CONTROL UNIT 494
Reference Value 494
Fail-Safe (Display Control Unit) 499
DTC Inspection Priority Chart 501
DTC Index 502

AROUND VIEW MONITOR CONTROL UNIT . 506
Reference Value 506
Fail-Safe (Around View Monitor Control Unit) 510
DTC Inspection Priority Chart 512
DTC Index 512

SONAR CONTROL UNIT 513
Reference Value 513
Fail-Safe (Sonar Control Unit) 517
DTC Inspection Priority Chart 517
DTC Index 518

WIRING DIAGRAM 519

AROUND VIEW MONITOR SYSTEM 519
Wiring Diagram 519

BASIC INSPECTION 559

DIAGNOSIS AND REPAIR WORKFLOW 559
Work Flow 559

ADDITIONAL SERVICE WHEN REPLACING AROUND VIEW MONITOR CONTROL UNIT ..561
Description 561

ADDITIONAL SERVICE WHEN REPLACING SONAR CONTROL UNIT 562
Description 562

CONFIGURATION (AROUND VIEW MONITOR CONTROL UNIT) 563
Work Procedure 563

CONFIGURATION (SONAR CONTROL UNIT) ..564
Work Procedure 564

PREDICTIVE COURSE LINE CENTER POSITION ADJUSTMENT 565
Description 565
Work Procedure 565

CALIBRATING CAMERA IMAGE (AROUND VIEW MONITOR) 566
Description 566
Work Procedure 566

DTC/CIRCUIT DIAGNOSIS 572

B2720 CORNER SENSOR [RL] 572
DTC Description 572

SHORT-BAT 572
SHORT-BAT : Diagnosis Procedure 573

OPEN/SHORT-GND 573
OPEN/SHORT-GND : Diagnosis Procedure 573

SENSOR 574
SENSOR : Diagnosis Procedure 574

CONFIG ERROR 574
CONFIG ERROR : Diagnosis Procedure 574

B2721 CENTER SENSOR [RL] 575
DTC Description 575

SHORT-BAT 575
SHORT-BAT : Diagnosis Procedure 576

OPEN/SHORT-GND 576
OPEN/SHORT-GND : Diagnosis Procedure 576

SENSOR 577
SENSOR : Diagnosis Procedure 577

CONFIG ERROR 577
CONFIG ERROR : Diagnosis Procedure 577

B2722 CENTER SENSOR [RR] 578
DTC Description 578

SHORT-BAT 578
SHORT-BAT : Diagnosis Procedure 579

OPEN/SHORT-GND 579
OPEN/SHORT-GND : Diagnosis Procedure 579

SENSOR 580
SENSOR : Diagnosis Procedure 580

CONFIG ERROR 580
CONFIG ERROR : Diagnosis Procedure 580

B2723 CORNER SENSOR [RR] 581
DTC Description 581

SHORT-BAT 581
SHORT-BAT : Diagnosis Procedure 582

OPEN/SHORT-GND 582
OPEN/SHORT-GND : Diagnosis Procedure 582

SENSOR 583
SENSOR : Diagnosis Procedure 583

CONFIG ERROR 583
CONFIG ERROR : Diagnosis Procedure 583

B2724 SONAR CONTROL UNIT 584
DTC Description 584
Diagnosis Procedure 584

B2729 CORNER SENSOR [FL] 585
DTC Description 585

SHORT-BAT 585
SHORT-BAT : Diagnosis Procedure 586

OPEN/SHORT-GND 586
OPEN/SHORT-GND : Diagnosis Procedure 586

SENSOR 587
SENSOR : Diagnosis Procedure 587

CONFIG ERROR 587
CONFIG ERROR : Diagnosis Procedure 587

B272A CENTER SENSOR [FL] 588
DTC Description 588

SHORT-BAT 588
SHORT-BAT : Diagnosis Procedure 589

OPEN/SHORT-GND 589
OPEN/SHORT-GND : Diagnosis Procedure 589

SENSOR 590
SENSOR : Diagnosis Procedure 590

CONFIG ERROR 590
CONFIG ERROR : Diagnosis Procedure 590

B272B CENTER SENSOR [FR] 591
DTC Description 591

SHORT-BAT 591
SHORT-BAT : Diagnosis Procedure 592

OPEN/SHORT-GND 592
OPEN/SHORT-GND : Diagnosis Procedure 592

SENSOR 593
SENSOR : Diagnosis Procedure 593

CONFIG ERROR 593
CONFIG ERROR : Diagnosis Procedure 593

B272C CORNER SENSOR [FR] 594
DTC Description 594

SHORT-BAT 594
SHORT-BAT : Diagnosis Procedure 595

OPEN/SHORT-GND 595
OPEN/SHORT-GND : Diagnosis Procedure 595

SENSOR 596
SENSOR : Diagnosis Procedure 596

CONFIG ERROR 596
CONFIG ERROR : Diagnosis Procedure 596

B272D FRONT BUZZER 597
DTC Description 597

SHORT-BAT 597
SHORT-BAT : Diagnosis Procedure 597

OPEN/SHORT-GND 598
OPEN/SHORT-GND : Diagnosis Procedure 598

U0428 STEERING ANGLE SENSOR 600
DTC Description 600
Diagnosis Procedure 600

U1000 CAN COMM CIRCUIT 602

AROUND VIEW MONITOR CONTROL UNIT 602
AROUND VIEW MONITOR CONTROL UNIT : DTC Description 602
AROUND VIEW MONITOR CONTROL UNIT : Diagnosis Procedure 603

SONAR CONTROL UNIT 603
SONAR CONTROL UNIT : DTC Description 603
SONAR CONTROL UNIT : Diagnosis Procedure 604

U1010 CONTROL UNIT (CAN) 605

AROUND VIEW MONITOR CONTROL UNIT 605
AROUND VIEW MONITOR CONTROL UNIT : DTC Description 605
AROUND VIEW MONITOR CONTROL UNIT : Diagnosis Procedure 605

SONAR CONTROL UNIT 605
SONAR CONTROL UNIT : DTC Description 605
SONAR CONTROL UNIT : Diagnosis Procedure 606

U111A REAR CAMERA IMAGE SIGNAL CIRCUIT 607
DTC Description 607
Diagnosis Procedure 607

U111B SIDE CAMERA RH IMAGE SIGNAL CIRCUIT 610
DTC Description 610
Diagnosis Procedure 610

U111C FRONT CAMERA IMAGE SIGNAL CIRCUIT 613
DTC Description 613
Diagnosis Procedure 613

U111D SIDE CAMERA LH IMAGE SIGNAL CIRCUIT 616
DTC Description 616
Diagnosis Procedure 616

U1232 STEERING ANGLE SENSOR 619
DTC Description 619
Diagnosis Procedure 619

U1302 CAMERA POWER VOLT 620
DTC Description 620
Diagnosis Procedure 620

U1303 LED POWER SUPPLY VOLT 624
DTC Description 624
Diagnosis Procedure 624

U1304 CAMERA IMAGE CALIBRATION 625
DTC Description 625
Diagnosis Procedure 625

U1305 CONFIG UNFINISH 626
DTC Description 626
Diagnosis Procedure 626

POWER SUPPLY AND GROUND CIRCUIT .. 627

AROUND VIEW MONITOR CONTROL UNIT 627
AROUND VIEW MONITOR CONTROL UNIT : Diagnosis Procedure 627

SONAR CONTROL UNIT 628
SONAR CONTROL UNIT : Diagnosis Procedure..628

CAMERA IMAGE SIGNAL CIRCUIT (WITH AROUND VIEW MONITOR) 629
Description 629
Diagnosis Procedure 629

CAMERA SWITCH SIGNAL CIRCUIT 631
Description 631
Component Function Check 631
Diagnosis Procedure 631
Component Inspection 633

FRONT CAMERA COMMUNICATION SIGNAL CIRCUIT 634
Description 634
Component Function Check 634
Diagnosis Procedure 634

SIDE CAMERA LH COMMUNICATION SIGNAL CIRCUIT 636
Description 636
Component Function Check 636
Diagnosis Procedure 636

SIDE CAMERA RH COMMUNICATION SIGNAL CIRCUIT 638
Description 638
Component Function Check 638
Diagnosis Procedure 638

REAR CAMERA COMMUNICATION SIGNAL CIRCUIT 640
Description 640
Component Function Check 640
Diagnosis Procedure 640

REVERSE SIGNAL CIRCUIT 642
Component Function Check 642
Diagnosis Procedure 642
Component Inspection 643

SYMPTOM DIAGNOSIS 644

AROUND VIEW MONITOR SYSTEM 644
Symptom Table 644

NORMAL OPERATING CONDITION 646
Description 646

REMOVAL AND INSTALLATION 647

AROUND VIEW MONITOR CONTROL UNIT ..647
Removal and Installation 647

FRONT CAMERA 649
Removal and Installation 649

SIDE CAMERA 650
Removal and Installation 650

REAR CAMERA 651
Removal and Installation 651

SONAR CONTROL UNIT 652
Removal and Installation 652

SONAR SENSOR 653

FRONT 653
FRONT : Exploded View 653
FRONT : Removal and Installation 653

REAR 655
REAR : Exploded View 655
REAR : Removal and Installation 655

BUZZER 658
Removal and Installation 658

STEERING ANGLE SENSOR 659
Removal and Installation 659

REAR VIEW MONITOR SYSTEM

PRECAUTION 660

PRECAUTIONS 660
Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" 660
Precaution for Battery Service 660
Precautions for Removing Battery Terminal 660
Precaution for Trouble Diagnosis 661
Precaution for Harness Repair 661

PREPARATION 662

PREPARATION 662
Commercial Service Tools 662

SYSTEM DESCRIPTION 663

COMPONENT PARTS 663
Component Parts Location 663
Display Control Unit 663
Rear View Camera 664
Steering Angle Sensor 664

REAR VIEW MONITOR SYSTEM 665
System Description 665
Circuit Diagram 669

HANDLING PRECAUTION 671
Display 671
Rear View Monitor 671

DIAGNOSIS SYSTEM (DISPLAY CONTROL UNIT) 672
Description 672
On Board Diagnosis Function 672
CONSULT Function 685

ECU DIAGNOSIS INFORMATION 687

DISPLAY CONTROL UNIT 687
Reference Value 687
Fail-Safe (Display Control Unit) 692
DTC Inspection Priority Chart 694
DTC Index 695

WIRING DIAGRAM 699

REAR VIEW MONITOR SYSTEM 699
Wiring Diagram 699

BASIC INSPECTION 714

DIAGNOSIS AND REPAIR WORKFLOW 714
Work Flow 714

DTC/CIRCUIT DIAGNOSIS 716

POWER SUPPLY AND GROUND CIRCUIT ... 716

DISPLAY CONTROL UNIT 716
DISPLAY CONTROL UNIT : Diagnosis Procedure ..716

CAMERA IMAGE SIGNAL CIRCUIT (WITH REAR VIEW MONITOR) 718
Description 718
Diagnosis Procedure 718

REVERSE SIGNAL CIRCUIT 720
Component Function Check 720
Diagnosis Procedure 720
Component Inspection 721

SYMPTOM DIAGNOSIS 722

REAR VIEW MONITOR SYSTEM 722
Symptom Table 722

NORMAL OPERATING CONDITION 723
Description 723

REMOVAL AND INSTALLATION 724

DISPLAY CONTROL UNIT 724
Removal and Installation 724

REAR VIEW CAMERA 725
Removal and Installation 725
Adjustment 725

STEERING ANGLE SENSOR 727
Removal and Installation 727

TELEMATICS SYSTEM

PRECAUTION 728

PRECAUTIONS 728
Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" 728
Precaution for Battery Service 728
Precautions for Removing Battery Terminal 728
Precaution for Trouble Diagnosis 729
Precaution for Harness Repair 729

PREPARATION 730

PREPARATION 730
Commercial Service Tools 730

SYSTEM DESCRIPTION 731

COMPONENT PARTS 731
Component Parts Location 731
Display Control Unit 732
TCU 733
Telematics Antenna 733
Microphone 734
Telematics Switch 734

SYSTEM 735

TELEMATICS SYSTEM 735
TELEMATICS SYSTEM : System Description 735
TELEMATICS SYSTEM : Circuit Diagram 737
TELEMATICS SYSTEM : Fail-safe 738

HANDLING PRECAUTION 740
Telematics 740

DIAGNOSIS SYSTEM (TCU) 741
CONSULT Function 741

ECU DIAGNOSIS INFORMATION 743

TCU 743
Reference Value 743
Fail-safe 745
DTC Inspection Priority Chart 746
DTC Index 746

WIRING DIAGRAM 748

TELEMATICS SYSTEM 748
Wiring Diagram 748

BASIC INSPECTION 766

DIAGNOSIS AND REPAIR WORK FLOW 766
Work Flow 766

ADDITIONAL SERVICE WHEN REPLACING TCU 768
Description 768
Work Procedure 768

DTC/CIRCUIT DIAGNOSIS 770

B130D TCU 770
DTC Description 770
Diagnosis Procedure 770

B1310 TCU 772
DTC Description 772
Diagnosis Procedure 772

B13D9 TCU 773
DTC Description 773
Diagnosis Procedure 773

B13E1 TCU 774
DTC Description 774
Diagnosis Procedure 774

B2E33 TELEMATICS SWITCH 775
DTC Description 775
Diagnosis Procedure 775

U1000 CAN COMM CIRCUIT 777
DTC Description 777
Diagnosis Procedure 777

U1010 CONTROL UNIT (CAN) 778
DTC Description 778
Diagnosis Procedure 778

U1A00 TCU 779
DTC Description 779
Diagnosis Procedure 779

U1A01 TCU 780
DTC Description 780
Diagnosis Procedure 780

U1A03 TCU 781
DTC Description 781
Diagnosis Procedure 781

U1A04 TCU 782
DTC Description 782
Diagnosis Procedure 782

U1A06 TEL ANTENNA 783
DTC Description 783
Diagnosis Procedure 783

U1A09 GPS ANTENNA 784
DTC Description 784
Diagnosis Procedure 784

U1A0A TCU 785
DTC Description 785
Diagnosis Procedure 785

U1A0B MICROPHONE 786
DTC Description 786
Diagnosis Procedure 786

U1A0C MICROPHONE 788
DTC Description 788
Diagnosis Procedure 788

U1A0E TELEMATICS SWITCH 790
DTC Description 790
Diagnosis Procedure 790

U1A10 TCU 792
DTC Description 792
Diagnosis Procedure 792

POWER SUPPLY AND GROUND CIRCUIT ...793

TCU 793
TCU : Diagnosis Procedure 793

SYMPTOM DIAGNOSIS 795

TELEMATICS SYSTEM 795
SYMPTOM TABLE 795

NORMAL OPERATING CONDITION 797
Description 797

REMOVAL AND INSTALLATION 799

TCU 799
Exploded View 799
Removal and Installation 799

MICROPHONE **800**
Removal and Installation 800

TELEMATICS SWITCH **801**
Removal and Installation 801

TELEMATICS ANTENNA **802**
Removal and Installation 802

ANTENNA FEEDER **803**
Feeder Layout 803

PRECAUTION

PRECAUTIONS

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

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The Supplemental Restraint System such as “AIR BAG” and “SEAT BELT PRE-TENSIONER”, used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the “SRS AIR BAG” and “SEAT BELT” of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper repair, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see “SRS AIR BAG”.**
- **Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.**

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

Always observe the following items for preventing accidental activation.

- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.**
- **When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery or batteries, and wait at least 3 minutes before performing any service.**

Precaution for Battery Service

INFOID:0000000014286300

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

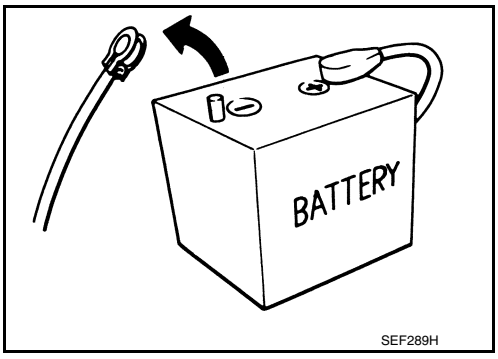
Precautions for Removing Battery Terminal

INFOID:0000000013974571

When disconnecting the battery terminal, pay attention to the following.

- Always use a 12V battery as power source.
- Never disconnect battery terminal while engine is running.
- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.
- For vehicles with the engine listed below, remove the battery terminal after a lapse of the specified time:

BR08DE	: 4 minutes	YD25DDTi	: 2 minutes
D4D engine	: 20 minutes	YS23DDT	: 4 minutes
HRA2DDT	: 12 minutes	YS23DDTT	: 4 minutes
K9K engine	: 4 minutes	ZD30DDTi	: 60 seconds
M9R engine	: 4 minutes	ZD30DDTT	: 60 seconds
R9M engine	: 4 minutes		
V9X engine	: 4 minutes		



NOTE:
ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

- After high-load driving, if the vehicle is equipped with the V9X engine, turn the ignition switch OFF and wait for at least 15 minutes to remove the battery terminal.

NOTE:
- Turbocharger cooling pump may operate in a few minutes after the ignition switch is turned OFF.
- Example of high-load driving
  - Driving for 30 minutes or more at 140 km/h (86 MPH) or more.
  - Driving for 30 minutes or more on a steep slope.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

NOTE:
If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

NOTE:
The removal of 12V battery may cause a DTC detection error.

Precaution for Trouble Diagnosis

INFOID:0000000013717236

AV COMMUNICATION SYSTEM

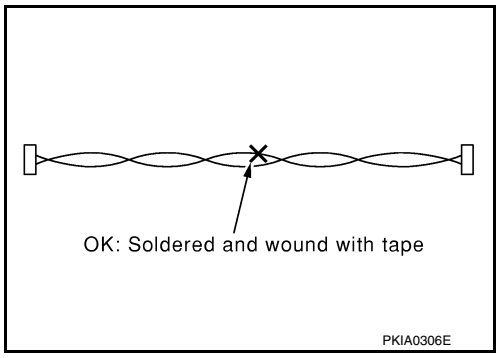
- Do not apply voltage of 7.0 V or higher to the measurement terminals.
- Use the tester with its open terminal voltage being 7.0 V or less.
- Be sure to turn ignition switch OFF and disconnect the battery cable from the negative terminal before checking the circuit.

Precaution for Harness Repair

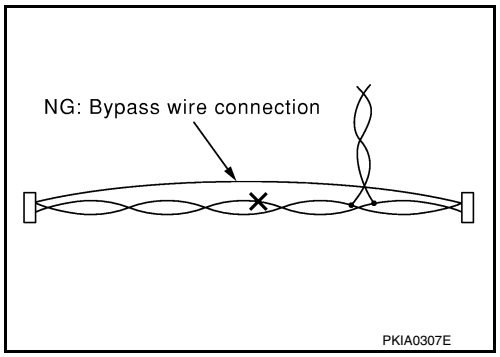
INFOID:0000000013717237

AV COMMUNICATION SYSTEM

- Solder the repaired parts, and wrap with tape. [Frays of twisted line must be within 110 mm (4.33 in).]



- Do not perform bypass wire connections for the repair parts. (The spliced wire will become separated and the characteristics of twisted line will be lost.)

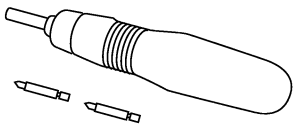


PREPARATION

PREPARATION

Commercial Service Tools

INFOID:0000000013717238

Tool		Description
Power tool	 PBIC0191E	Loosening screws

SYSTEM DESCRIPTION

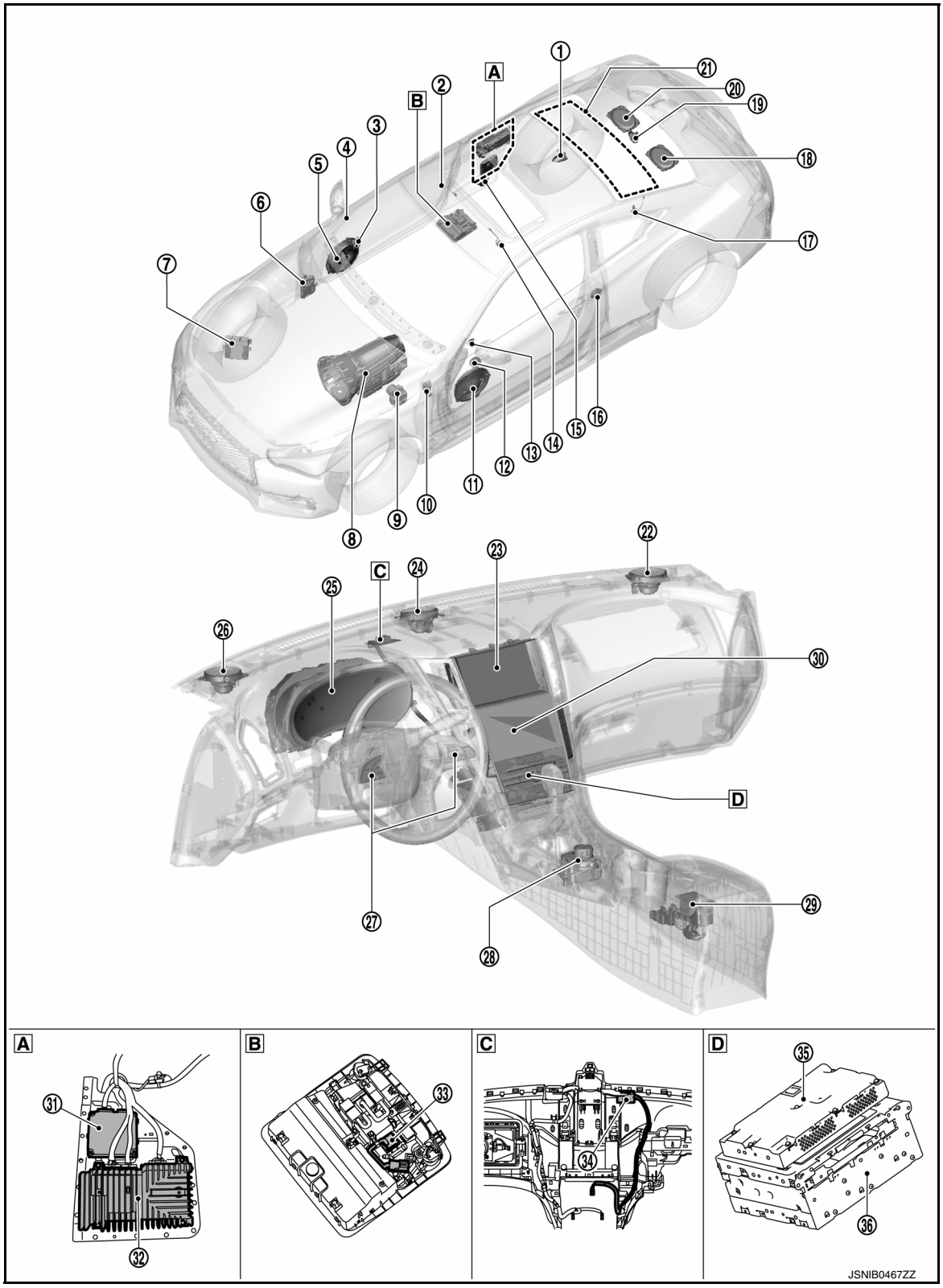
COMPONENT PARTS

Component Parts Location

INFOID:0000000013717239

WITH BOSE SYSTEM

VR30DDTT Engine Models



A Rear pillar inner reinforcement RH removed condition

B Map lamp

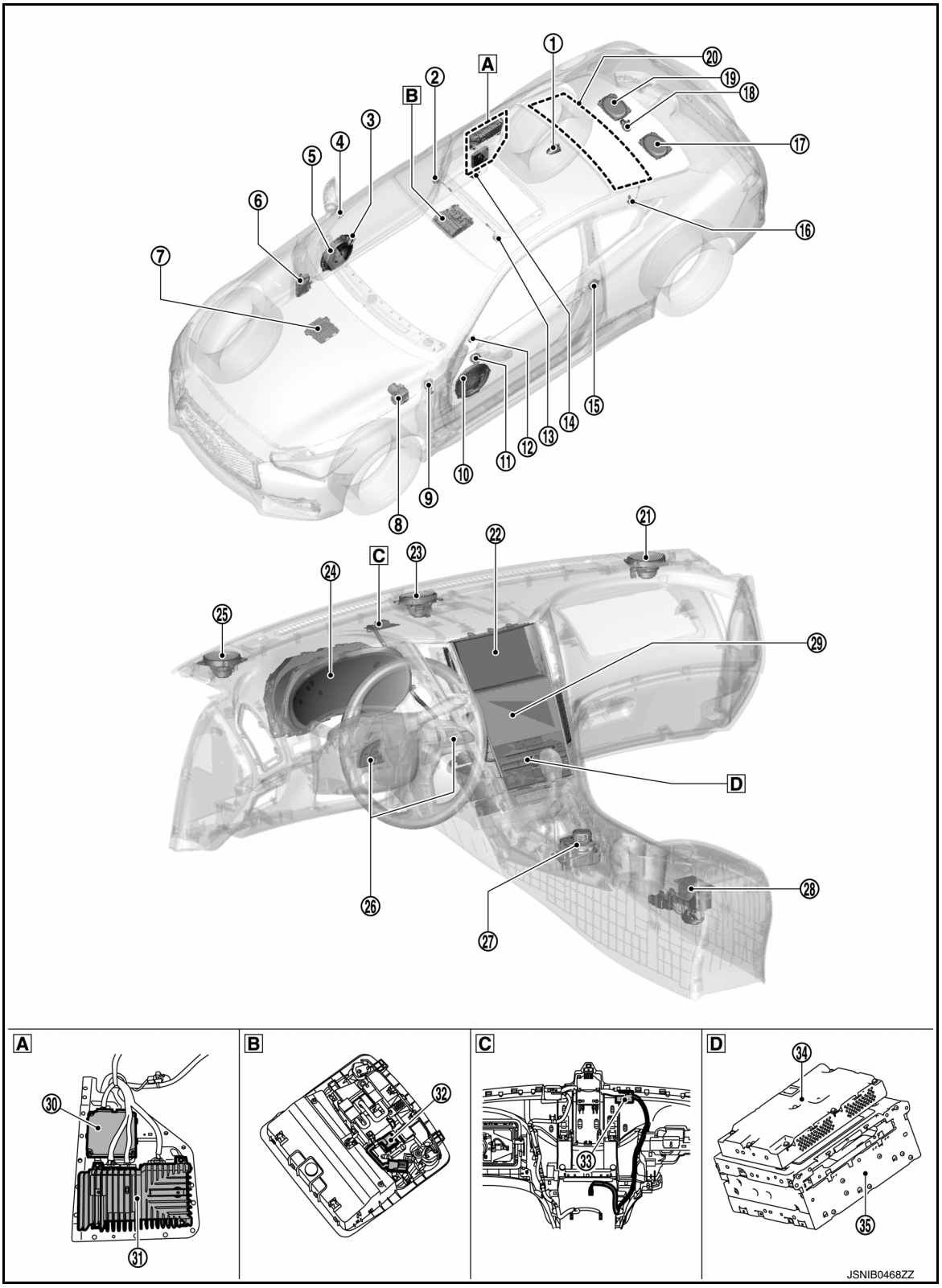
C Instrument panel removed condition

D Back of integral switch

No.	Component	Function
①	Satellite antenna	Refer to AV-32, "Antenna and Antenna Feeder".
②	Front microphone RH	Refer to AV-35, "Front Microphone (for Active Noise Cancellation or AudioPilot)".
③	Door squawker RH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
④	Tweeter RH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
⑤	Door woofer RH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
⑥	BCM	• Inputs the dimmer signal to the display control unit. • Transmits the vehicle setting signal to the display control unit via CAN communication. Refer to BCS-5, "BODY CONTROL SYSTEM : Component Parts Location".
⑦	ECM	• Transmits the following signals to the display control unit via CAN communication. - Engine torque signal - Accelerator pedal position signal - Engine status signal - Fuel consumption monitor signal • Inputs the engine speed signal to the BOSE amp.
⑧	TCM	Transmits the shift position signal to the display control unit via CAN communication. (VR30DDTT) Refer to TM-14, "A/T CONTROL SYSTEM : Component Parts Location", for detailed installation location.
⑨	ABS actuator and electric unit (control unit)	Transmits the vehicle speed signal to the display control unit via CAN communication. Refer to BRC-11, "Component Parts Location", for detailed installation location.
⑩	Chassis control module	Transmits the drive mode signal to the display control unit via CAN communication. Refer to DAS-666, "Component Parts Location", for detailed installation location.
⑪	Door woofer LH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
⑫	Door squawker LH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
⑬	Tweeter LH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
⑭	Front microphone LH	Refer to AV-35, "Front Microphone (for Active Noise Cancellation or AudioPilot)".
⑮	Rear squawker RH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
⑯	Rear squawker LH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
⑰	Antenna amp.	Refer to AV-32, "Antenna and Antenna Feeder".
⑱	Rear woofer LH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
⑲	Rear microphone	Refer to AV-36, "Rear Microphone (for Active Noise Cancellation)".
⑳	Rear woofer RH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
㉑	Window antenna	Refer to AV-32, "Antenna and Antenna Feeder".
㉒	Front squawker RH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
㉓	Display control unit	Refer to AV-25, "Display Control Unit".
㉔	Center squawker	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
㉕	Combination meter	Transmits the following signals to the display control unit via CAN communication. • Distance to empty signal • Fuel level low warning signal • Vehicle speed signal
㉖	Front squawker LH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
㉗	Steering switch	Refer to AV-32, "Steering Switch".
㉘	Multifunction switch	Refer to AV-28, "Multifunction Switch".
㉙	External data input box	Refer to AV-28, "External Data Input Box".
㉚	Integral switch	Refer to AV-27, "Integral Switch".

No.	Component	Function
㉛	Around view monitor control unit	Refer to AV-464, "Around View Monitor Control Unit".
㉜	BOSE amp.	Refer to AV-28, "WITH BOSE SYSTEM : BOSE Amp.".
㉝	Microphone	Refer to AV-31, "Microphone (for Hands-free Phone/Voice Recognition)".
㉞	GPS antenna	Refer to AV-32, "Antenna and Antenna Feeder".
㉟	NAVI control unit	Refer to AV-26, "NAVI Control Unit".
㊱	AV control unit	Refer to AV-26, "AV Control Unit".

2.0l Turbo Gasoline Engine Models



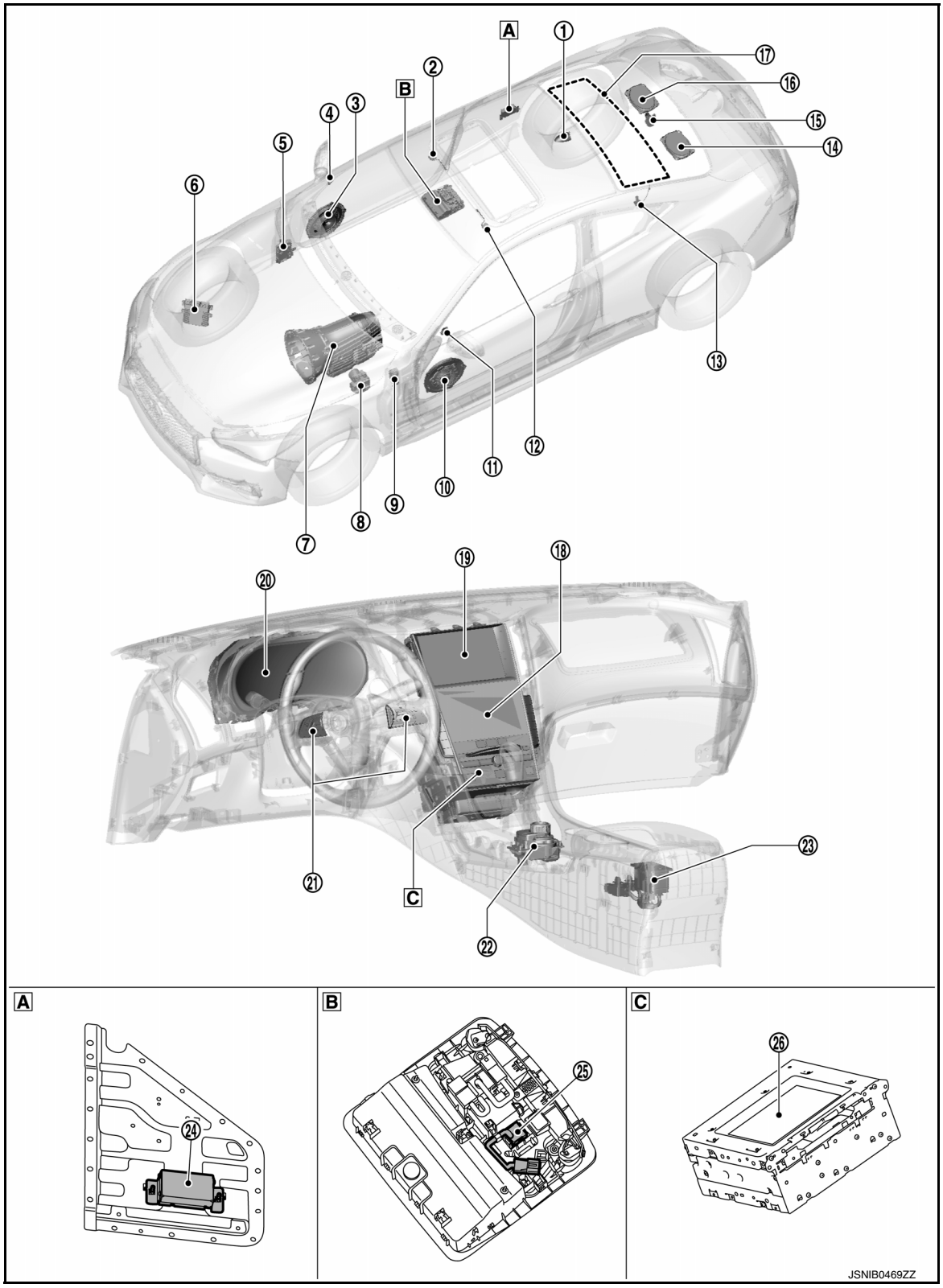
A Rear pillar inner reinforcement RH removed condition
B Map lamp
C Instrument panel removed condition
D Back of integral switch

No.	Component	Function
①	Satellite antenna	Refer to AV-32, "Antenna and Antenna Feeder".
②	Front microphone RH	Refer to AV-35, "Front Microphone (for Active Noise Cancellation or AudioPilot)".
③	Door squawker RH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
④	Tweeter RH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
⑤	Door woofer RH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
⑥	BCM	• Inputs the dimmer signal to the display control unit. • Transmits the vehicle setting signal to the display control unit via CAN communication. Refer to BCS-5, "BODY CONTROL SYSTEM : Component Parts Location".
⑦	ECM	• Transmits the following signals to the display control unit via CAN communication. - Engine torque signal - Accelerator pedal position signal - Engine status signal - Fuel consumption monitor signal - Shift position signal • Inputs the engine speed signal to the BOSE amp. Refer to EC4-25, "ENGINE CONTROL SYSTEM : Component Parts Location", for detailed installation location.
⑧	ABS actuator and electric unit (control unit)	Transmits the vehicle speed signal to the display control unit via CAN communication. Refer to BRC-11, "Component Parts Location", for detailed installation location.
⑨	Chassis control module	Transmits the drive mode signal to the display control unit via CAN communication. Refer to DAS-666, "Component Parts Location", for detailed installation location.
⑩	Door woofer LH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
⑪	Door squawker LH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
⑫	Tweeter LH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
⑬	Front microphone LH	Refer to AV-35, "Front Microphone (for Active Noise Cancellation or AudioPilot)".
⑭	Rear squawker RH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
⑮	Rear squawker LH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
⑯	Antenna amp.	Refer to AV-32, "Antenna and Antenna Feeder".
⑰	Rear woofer LH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
⑱	Rear microphone	Refer to AV-36, "Rear Microphone (for Active Noise Cancellation)".
⑲	Rear woofer RH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
⑳	Window antenna	Refer to AV-32, "Antenna and Antenna Feeder".
㉑	Front squawker RH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
㉒	Display control unit	Refer to AV-25, "Display Control Unit".
㉓	Center squawker	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
㉔	Combination meter	Transmits the following signals to the display control unit via CAN communication. • Distance to empty signal • Fuel level low warning signal • Vehicle speed signal
㉕	Front squawker LH	Refer to AV-29, "WITH BOSE SYSTEM : Speaker".
㉖	Steering switch	Refer to AV-32, "Steering Switch".
㉗	Multifunction switch	Refer to AV-28, "Multifunction Switch".
㉘	External data input box	Refer to AV-28, "External Data Input Box".
㉙	Integral switch	Refer to AV-27, "Integral Switch".
㉚	Around view monitor control unit	Refer to AV-464, "Around View Monitor Control Unit".

No.	Component	Function
㉛	BOSE amp.	Refer to AV-28, "WITH BOSE SYSTEM : BOSE Amp.".
㉜	Microphone	Refer to AV-31, "Microphone (for Hands-free Phone/Voice Recognition)".
㉝	GPS antenna	Refer to AV-32, "Antenna and Antenna Feeder".
㉞	NAVI control unit	Refer to AV-26, "NAVI Control Unit".
㉟	AV control unit	Refer to AV-26, "AV Control Unit".

WITHOUT BOSE SYSTEM

VR30DDTT Engine Models



A Rear pillar inner reinforcement RH removed condition

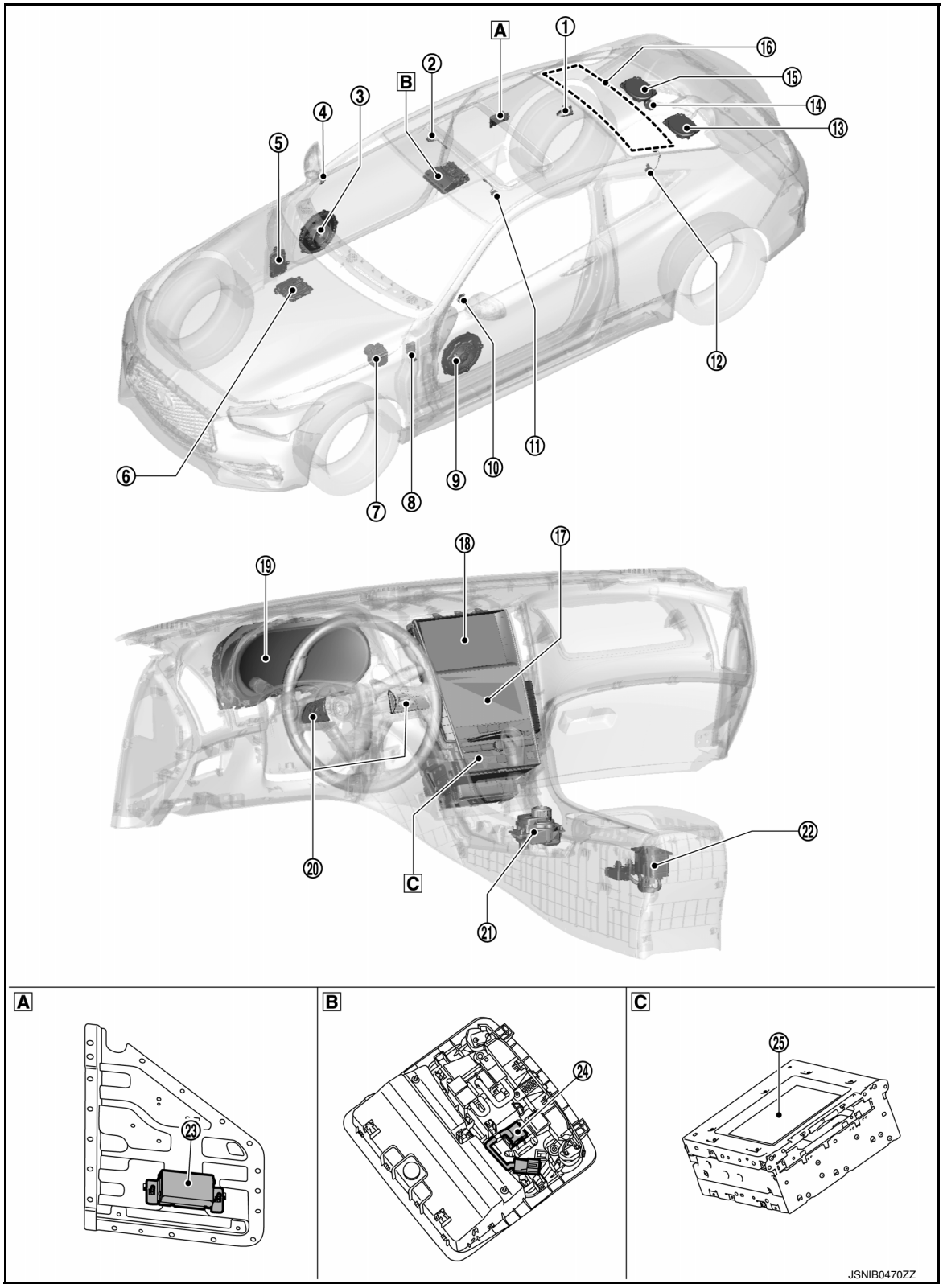
B Map lamp

C Back of integral switch

No.	Component	Function
①	Satellite radio antenna	Refer to AV-32, "Antenna and Antenna Feeder".
②	Front microphone RH	Refer to AV-35, "Front Microphone (for Active Noise Cancellation or AudioPilot)".

No.	Component	Function
③	Door speaker RH	Refer to AV-30, "WITHOUT BOSE SYSTEM : Speaker".
④	Tweeter RH	Refer to AV-30, "WITHOUT BOSE SYSTEM : Speaker".
⑤	BCM	• Inputs the dimmer signal signals to the display control unit. • Transmits the vehicle setting signal to the display control unit via CAN communication. Refer to BCS-5, "BODY CONTROL SYSTEM : Component Parts Location", for detailed installation location.
⑥	ECM	• Transmits the following signals to the display control unit via CAN communication. - Engine status signal - Fuel consumption monitor signal • Inputs the engine speed signal signals to the active noise control unit • Transmits the following signals to the active noise control unit via CAN communication. - Engine torque signal - Accelerator pedal position signal Refer to EC6-23, "Component Parts Location".
⑦	TCM	Transmits the shift position signal to the display control unit via CAN communication. Refer to TM-14, "A/T CONTROL SYSTEM : Component Parts Location", for detailed installation location.
⑧	ABS actuator and electric unit (control unit)	Transmits the vehicle speed signal to the display control unit via CAN communication. Refer to BRC-11, "Component Parts Location", for detailed installation location.
⑨	Chassis control module	Transmits the drive mode signal to the display control unit and active noise control unit via CAN communication. Refer to DAS-666, "Component Parts Location", for detailed installation location.
⑩	Door speaker LH	Refer to AV-30, "WITHOUT BOSE SYSTEM : Speaker".
⑪	Tweeter LH	Refer to AV-30, "WITHOUT BOSE SYSTEM : Speaker".
⑫	Front microphone LH	Refer to AV-35, "Front Microphone (for Active Noise Cancellation or AudioPilot)".
⑬	Antenna amp.	Refer to AV-32, "Antenna and Antenna Feeder".
⑭	Rear speaker LH	Refer to AV-30, "WITHOUT BOSE SYSTEM : Speaker".
⑮	Rear microphone	Refer to AV-36, "Rear Microphone (for Active Noise Cancellation)".
⑯	Rear speaker RH	Refer to AV-30, "WITHOUT BOSE SYSTEM : Speaker".
⑰	Window antenna	Refer to AV-32, "Antenna and Antenna Feeder".
⑱	Integral switch	Refer to AV-27, "Integral Switch".
⑲	Display control unit	Refer to AV-25, "Display Control Unit".
⑳	Combination meter	• Transmits the following signals to the display control unit via CAN communication. - Distance to empty signal - Fuel level low warning signal - Vehicle speed signal • Transmits the vehicle speed signal to the active noise control unit via CAN communication.
㉑	Steering switch	Refer to AV-32, "Steering Switch".
㉒	Multifunction switch	Refer to AV-28, "Multifunction Switch".
㉓	External data input box	Refer to AV-28, "External Data Input Box".
㉔	Active noise control unit	Refer to AV-35, "Active Noise Control Unit".
㉕	Microphone	Refer to AV-31, "Microphone (for Hands-free Phone/Voice Recognition)".
㉖	AV control unit	Refer to AV-26, "AV Control Unit".

2.0l Turbo Gasoline Engine Models



A Rear pillar inner reinforcement RH removed condition

B Map lamp

C Back of integral switch

No.	Component	Function
①	Satellite radio antenna	Refer to AV-32, "Antenna and Antenna Feeder".
②	Front microphone RH	Refer to AV-35, "Front Microphone (for Active Noise Cancellation or AudioPilot)".

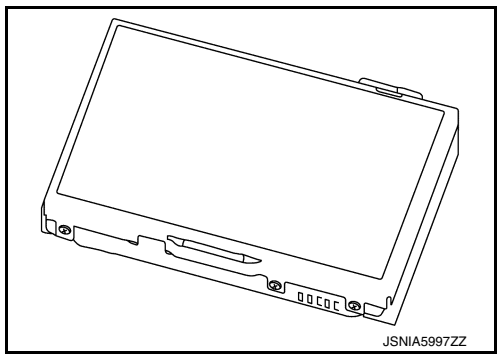
No.	Component	Function
③	Door speaker RH	Refer to AV-30, "WITHOUT BOSE SYSTEM : Speaker".
④	Tweeter RH	Refer to AV-30, "WITHOUT BOSE SYSTEM : Speaker".
⑤	BCM	• Inputs the dimmer signal signals to the display control unit. • Transmits the vehicle setting signal to the display control unit via CAN communication. Refer to BCS-5, "BODY CONTROL SYSTEM : Component Parts Location", for detailed installation location.
⑥	ECM	• Transmits the following signals to the display control unit via CAN communication. - Engine status signal - Fuel consumption monitor signal - Shift position signal • Inputs the engine speed signal signals to the active noise control unit • Transmits the following signals to the active noise control unit via CAN communication. - Engine torque signal - Accelerator pedal position signal Refer to EC4-25, "ENGINE CONTROL SYSTEM : Component Parts Location".
⑦	ABS actuator and electric unit (control unit)	Transmits the vehicle speed signal to the display control unit via CAN communication. Refer to BRC-11, "Component Parts Location", for detailed installation location.
⑧	Chassis control module	Transmits the drive mode signal to the display control unit and active noise control unit via CAN communication. Refer to DAS-666, "Chassis Control Module", for detailed installation location.
⑨	Door speaker LH	Refer to AV-30, "WITHOUT BOSE SYSTEM : Speaker".
⑩	Tweeter LH	Refer to AV-30, "WITHOUT BOSE SYSTEM : Speaker".
⑪	Front microphone LH	Refer to AV-35, "Front Microphone (for Active Noise Cancellation or AudioPilot)".
⑫	Antenna amp.	Refer to AV-32, "Antenna and Antenna Feeder".
⑬	Rear speaker LH	Refer to AV-30, "WITHOUT BOSE SYSTEM : Speaker".
⑭	Rear microphone	Refer to AV-36, "Rear Microphone (for Active Noise Cancellation)".
⑮	Rear speaker RH	Refer to AV-30, "WITHOUT BOSE SYSTEM : Speaker".
⑯	Window antenna	Refer to AV-32, "Antenna and Antenna Feeder".
⑰	Integral switch	Refer to AV-27, "Integral Switch".
⑱	Display control unit	Refer to AV-25, "Display Control Unit".
⑲	Combination meter	• Transmits the following signals to the display control unit via CAN communication. - Distance to empty signal - Fuel level low warning signal - Vehicle speed signal • Transmits the vehicle speed signal to the active noise control unit via CAN communication.
⑳	Steering switch	Refer to AV-32, "Steering Switch".
㉑	Multifunction switch	Refer to AV-28, "Multifunction Switch".
㉒	External data input box	Refer to AV-28, "External Data Input Box".
㉓	Active noise control unit	Refer to AV-35, "Active Noise Control Unit".
㉔	Microphone	Refer to AV-31, "Microphone (for Hands-free Phone/Voice Recognition)".
㉕	AV control unit	Refer to AV-26, "AV Control Unit".

Display Control Unit

INFOID:0000000013717240

DESCRIPTION

- Display control unit is located in the center of the instrument panel assembly.
- Display control unit controls the Infiniti InTouch using the master unit that integrates the following functions.


JSNIA5997ZZ

Unit equipped
Display
Bluetooth® module

- Display control unit can store applications in the built-in memory by connecting a cell phone via Bluetooth® communication or USB communication (through external data input box).

SPECIFICATION

Display	Screen size		8-inch wide VGA (175.2 × 105.12)
	Number of pixels		800 × 480 pixels
	Drive type		TFT active matrix method
	Touch panel detection		Firm/glass capacitive
Capacity (for application software)			512 MB
Bluetooth® module	Compliant communication type	Wireless connection	Bluetooth® communication
	Compliant profile	Bluetooth® audio	A2DP 1.2
			AVRCP 1.4
		Hands-free phone	HFP 1.0, 1.5
			DUN 1.1
			OPP 1.2
Other functions			Voice recognition function

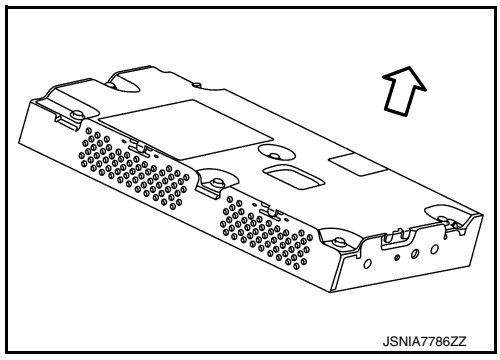
NAVI Control Unit

INFOID:0000000013717241

DESCRIPTION

- NAVI control unit is located on the back of integral switch.

⇦ : Vehicle upper


JSNIA7786ZZ

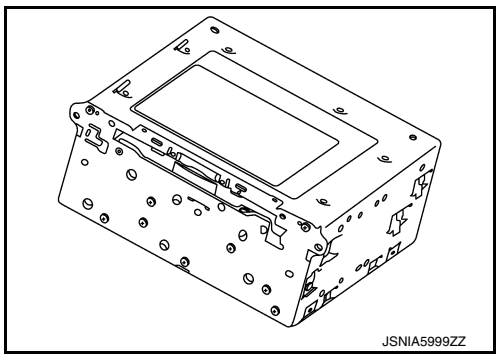
- NAVI control unit controls the navigation system of Infiniti InTouch.
- It integrates a gyro sensor and acceleration sensor and calculates the vehicle position by combining the vehicle speed signal, reverse signal, and location information received from GPS antenna.
- Map data is obtained from the SD card that is inserted in external data input box.

AV Control Unit

INFOID:0000000013717242

DESCRIPTION

- AV control unit is located on the back of integral switch.
- AV control unit controls the audio system of Infiniti InTouch.



SPECIFICATION

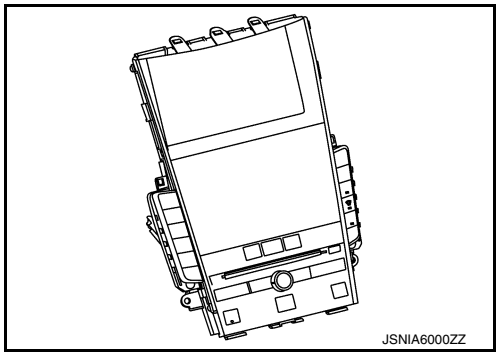
Amplifier output (models without BOSE)			40 W × 4ch
CD drive	Playable disc		CD-ROM (CD-DA)
			CD-R
			CD-RW
	Playable format		MP3
			WMA
			AAC
	Text display function	ID3/WMA/AAC tag	Artist name
			Album title
			Song title

Integral Switch

INFOID:0000000013717243

DESCRIPTION

- Integral switch is located in the center of the instrument panel assembly.
- Infiniti InTouch operation can be performed by touching the display (touch panel) and by pressing the hard switch.



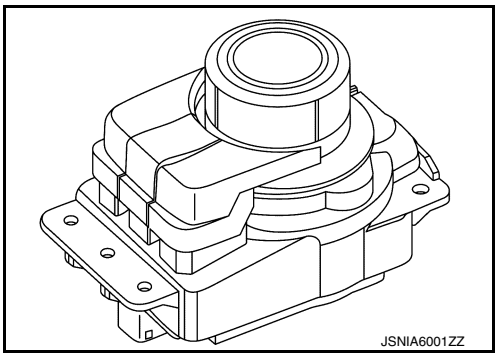
SPECIFICATION

Display	Screen size	7-inch wide VGA
	LCD active area	152.44 × 91.44 mm (6 × 3.6 in)
	Number of pixels	800 × 480 pixels
	Touch panel detection	Capacitive type

Multifunction Switch

INFOID:0000000013717244

- Multifunction switch is located on the center console.
- Display of the display control unit can be operated.
- The multifunction switch is connected to the integral switch and a switch operation signal is transmitted to the display control unit by way of the integral switch via AV communication.
  NOTE:
  Camera switch signal is transmitted to the display control unit by way of the integral switch via hard wire.



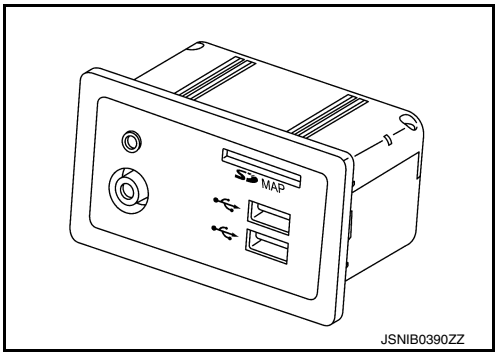
External Data Input Box

INFOID:0000000013717245

WITH NAVIGATION

- External data input box is located in the console box.
- External data input box supports the following input, and is used by audio system and navigation system.

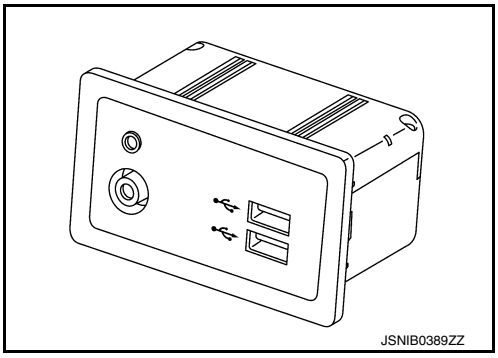
Interface
SD Card slot
USB port
Audio jack
Video jack



WITHOUT NAVIGATION

- External data input box is located in the console box.
- External data input box supports the following input, and is used by audio system.

Interface
USB port
Audio jack
Video jack

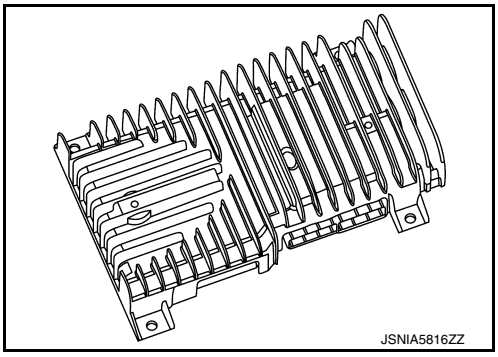


WITH BOSE SYSTEM

WITH BOSE SYSTEM : BOSE Amp.

INFOID:0000000013717246

- BOSE amp. is located to the rear pillar inner reinforcement RH.
- Receives sound signal from AV control unit, and outputs sound signal to each speaker, squawker, and woofer.



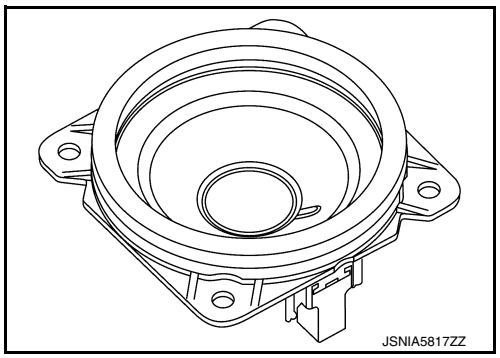
WITH BOSE SYSTEM : Speaker

INFOID:0000000013717247

FRONT SQUAWKER

- ϕ8 cm (3 in) speaker is installed to the side of instrument panel.
- Sound signal is input from the BOSE amp. to output high, and mid range sound.

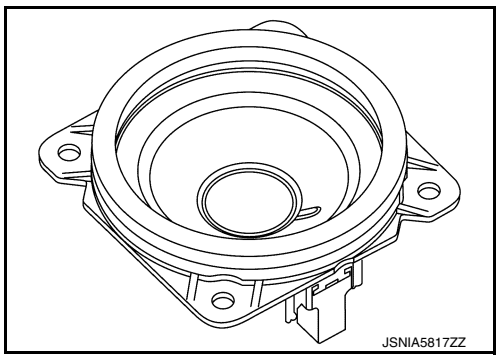
Maximum input	: 22.5 W
Rated input	: 7.6 W
Impedance	: 3.6 Ω


JSNIA5817ZZ

CENTER SQUAWKER

- ϕ8 cm (3 in) speaker is installed to the center of instrument panel.
- Sound signal is input from the BOSE amp. to output high, and mid range sound.

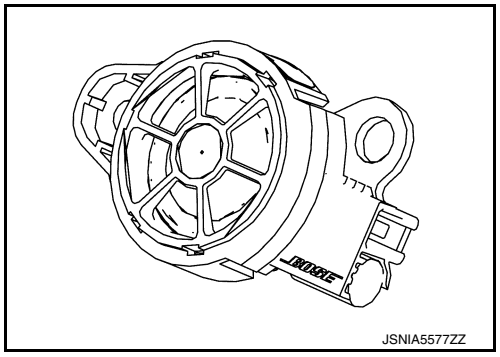
Maximum input	: 22.5 W
Rated input	: 7.6 W
Impedance	: 3.6 Ω


JSNIA5817ZZ

TWEETER

- ϕ2.5 cm (1 in) speaker is installed to the corner cover.
- Sound signal is input from the BOSE amp. to output high range sound.

Maximum input	: 22.5 W
Rated input	: 7.6 W
Impedance	: 3.6 Ω

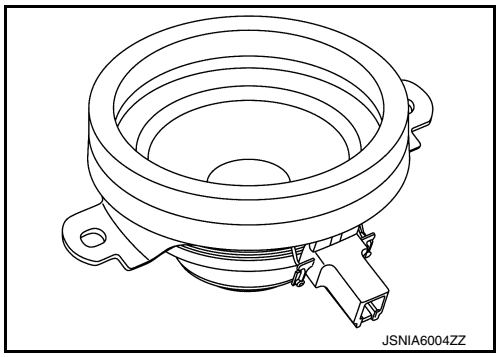


JSNIA5577ZZ

DOOR SQUAWKER

- ϕ8 cm (3 in) speaker is installed to the upper of the door.
- Sound signal is input from the BOSE amp. to output mid range sound.

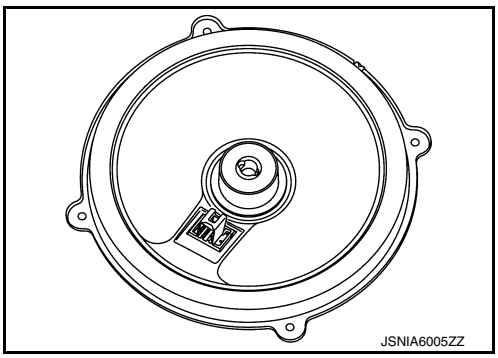
Maximum input	: 22.5 W
Rated input	: 7.6 W
Impedance	: 3.6 Ω


JSNIA6004ZZ

DOOR WOOFER

- ϕ25 cm (10 in) speaker is installed to the bottom of the door.
- Sound signal is input from the BOSE amp. to output low range sound.

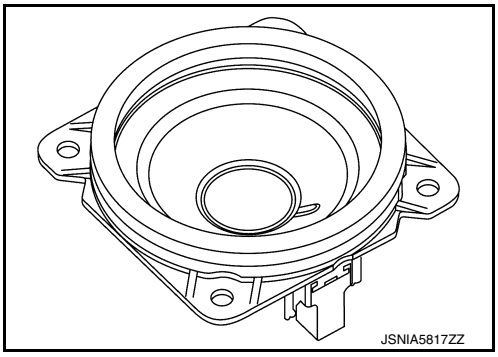
Maximum input	: 40.5 W
Rated input	: 13.6 W
Impedance	: 2.0 Ω



REAR SQUAWKER

- ϕ8 cm (3 in) speaker is installed to the rear side finisher.
- Sound signal is input from the BOSE amp. to output mid range sound.

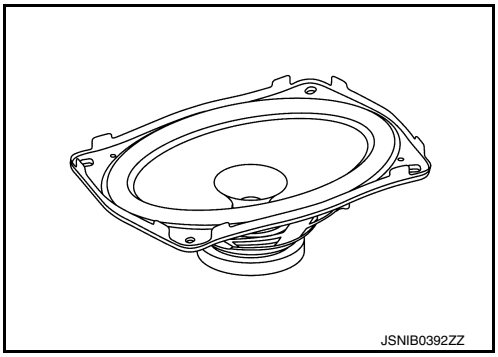
Maximum input	: 22.5 W
Rated input	: 7.6 W
Impedance	: 3.6 Ω



REAR WOOFER

- ϕ15 x 23 cm (6 x 9 in) speaker is installed in the rear trunk area, under the rear parcel shelf.
- Sound signal is input from the BOSE amp. to output low range sound.

Maximum input	: 38.6 W
Rated input	: 12.8 W
Impedance	: 2.1 Ω



WITHOUT BOSE SYSTEM

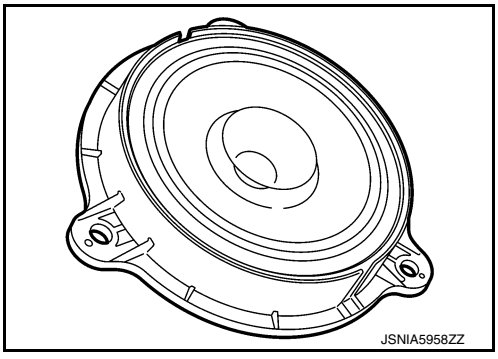
WITHOUT BOSE SYSTEM : Speaker

INFOID:0000000013717248

DOOR SPEAKER

- ϕ16 cm (6.5 in) speaker is installed to the bottom of the door.
- Sound signal is input from the AV control unit to output high, mid and low range sound.

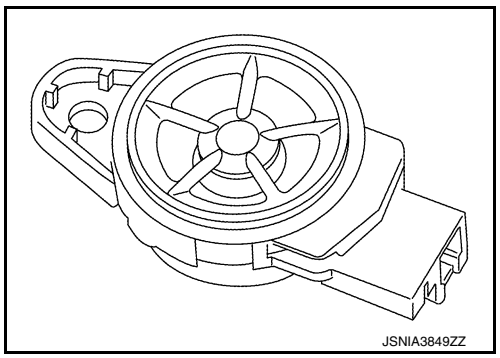
Maximum input	: 40.0 W
Rated input	: 20.0 W
Impedance	: 4.0 Ω



TWEETER

- ϕ2.5 cm (1 in) speaker is installed to the corner cover.
- Sound signal is input from the BOSE amp. to output high range sound.

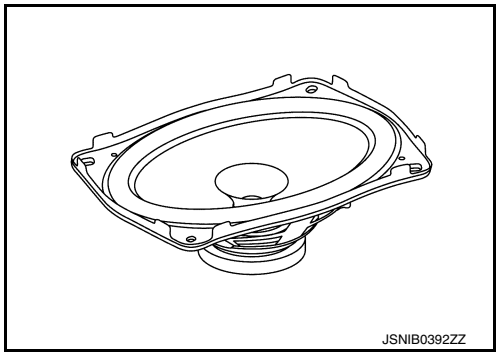
Maximum input	: 40.0 W
Rated input	: 1.0 W
Impedance	: 4.0 Ω


JSNIA3849ZZ

REAR SPEAKER

- ϕ15 x 23 cm (6 x 9 in) speaker is installed in the rear trunk area, under the rear parcel shelf.
- Sound signal is input from the AV control unit to output high, mid and low range sound.

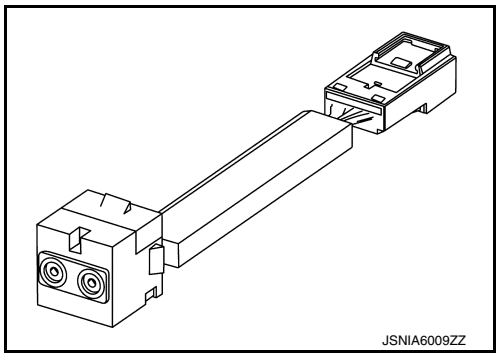
Maximum input	: 40.0 W
Rated input	: 20.0 W
Impedance	: 4.0 Ω


JSNIB0392ZZ

Microphone (for Hands-free Phone/Voice Recognition)

INFOID:0000000013717249

Microphone is installed on the map lamp assembly.


JSNIA6009ZZ

WITH TELEMATICS SYSTEM

- The microphone is used for the operator system of CARWINGS, hands-free phone system, voice recognition function.
- The power is supplied from the TCU to the microphone, transmitting sound signals to the TCU at the during operator system of CARWINGS, hands-free phone communication, and voice recognition.

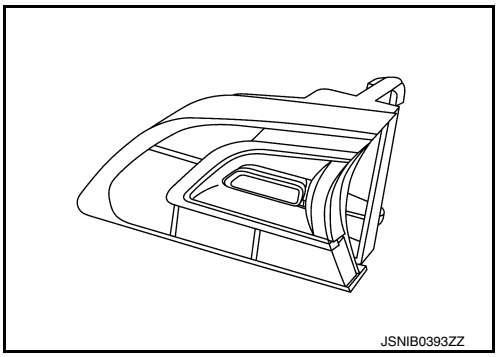
WITHOUT TELEMATICS SYSTEM

The power is supplied from the display control unit to the microphone, transmitting sound signals to the display control unit at the during hands-free phone communication, or voice recognition.

Steering Switch

INFOID:0000000013717250

- Hands-free phone, navigation, and audio operations can be performed.
- This switch is connected to combination meter, and switch operation signal is transmitted to combination meter.
- Combination meter transmits steering switch signal to display control unit via AV communication.


JSNIB0393ZZ

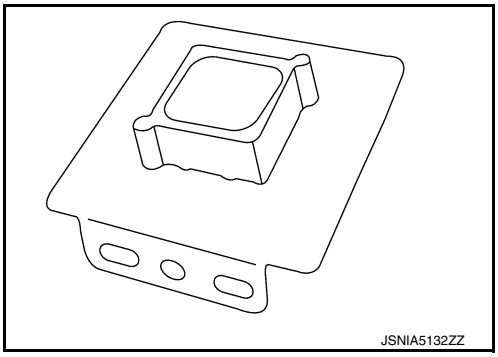
Antenna and Antenna Feeder

INFOID:0000000013717251

GPS ANTENNA

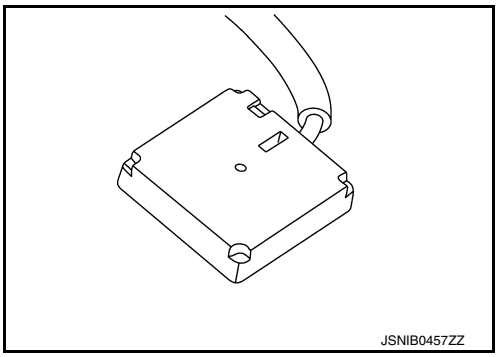
- GPS antenna is installed in the instrument panel.
- Power is supplied from the NAVI control unit.
- This antenna amplifies radio waves received from the GPS satellite and transmits the GPS signal to the NAVI control unit.

NOTE:
An object on the instrument panel may cause the reception sensitivity to be decreased.


JSNIA5132ZZ

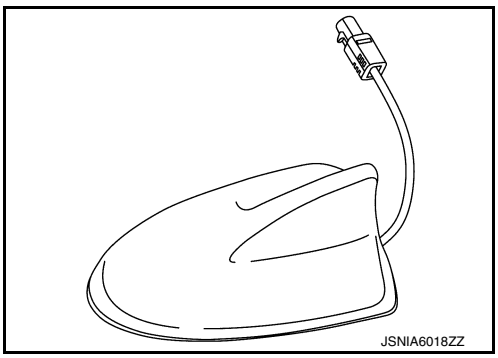
TELEMATICS ANTENNA

- Telematics antenna is installed in the instrument panel.
- Power is supplied with TCU activated.


JSNIB0457ZZ

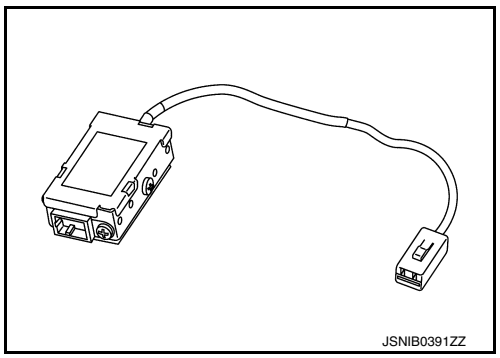
SATELLITE ANTENNA

- Satellite radio antenna is installed to the rear center of the roof.
- Receives satellite radio waves and outputs it to AV control unit.

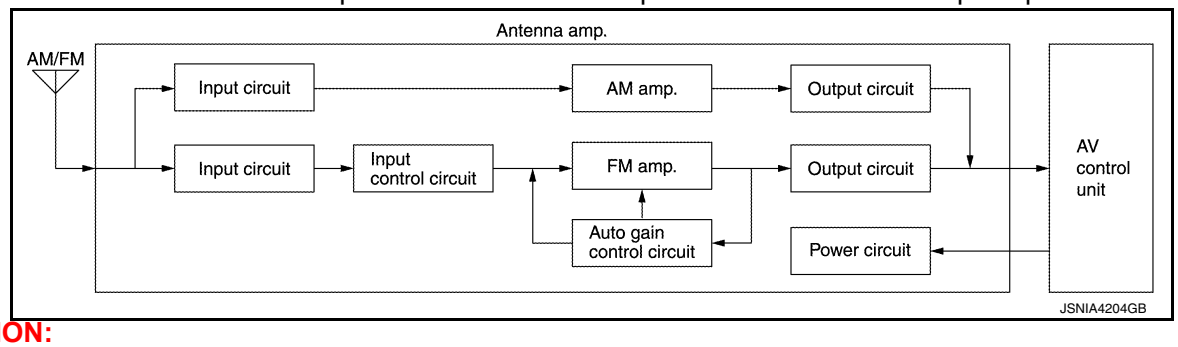

JSNIA6018ZZ

ANTENNA AMP. AND RADIO ANTENNA

- Antenna amp. is located on rear pillar (LH).



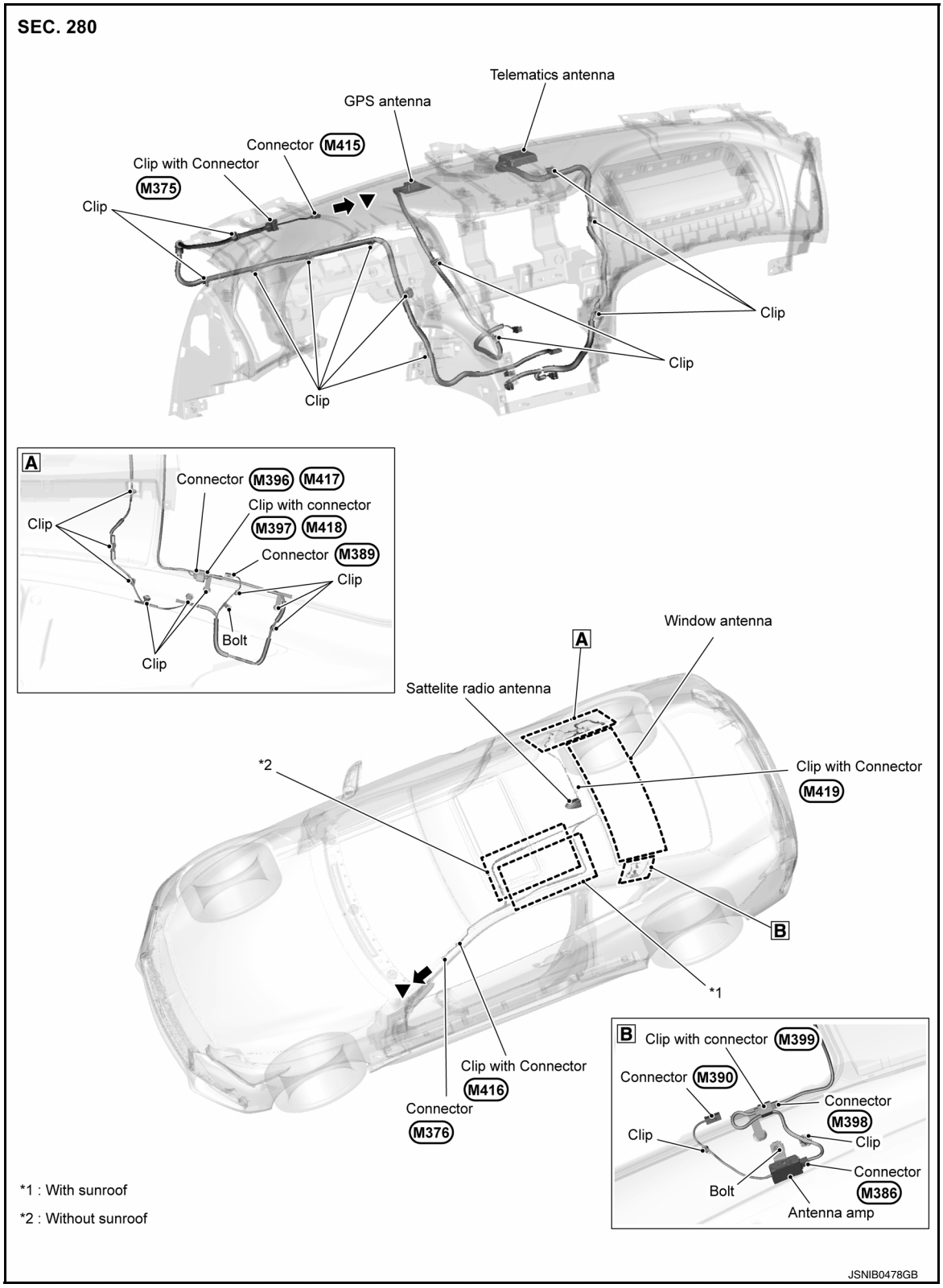
- AM/FM radio main antenna, and FM radio sub antenna on the rear window glass.
- The AM/FM radio main antenna path has an antenna amp. to obtain sufficient reception power.



CAUTION:
Affixing any mirror-type window films or metallic items (e.g. commercial antenna) on the rear window glass causes a reduction in the radio receiver sensitivity.

ANTENNA FEEDER

SEC. 280

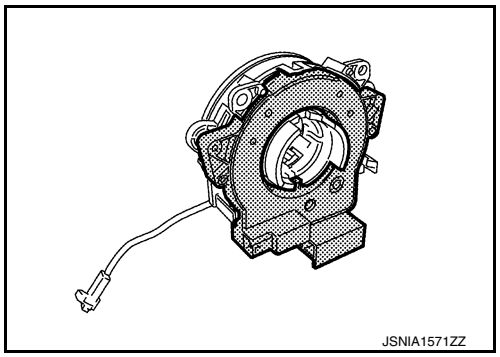


▲: Indicates that the part is connected at points with same symbol in actual vehicle.

Steering Angle Sensor

INFOID:0000000013717252

Steering angle sensor is installed to the spiral cable.



WITH AROUND VIEW MONITOR

Steering angle sensor sends the steering angle signal necessary for predictive course line of the front or rear view monitor to the around view monitor control unit via CAN communication.

WITHOUT AROUND VIEW MONITOR

Steering angle sensor sends the steering angle signal necessary for predictive course line of the rear view monitor to the display control unit via CAN communication.

SD Card

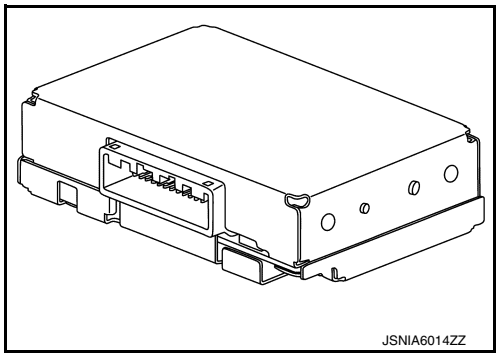
INFOID:0000000013717253

Map data is sent to the NAVI control unit from the SD slot.

Active Noise Control Unit

INFOID:0000000013717254

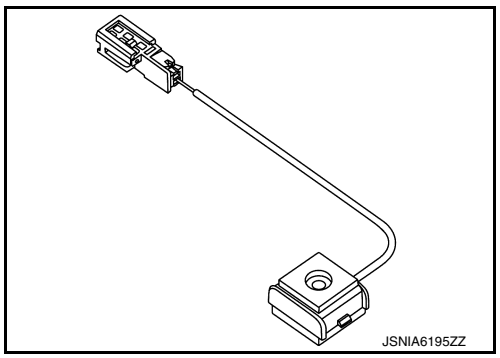
- Active noise control unit is located to the rear pillar inner reinforcement RH.
- The active noise control unit has functions as follows:
- Active noise cancellation
- Active sound enhancement
- Diagnosis function with CONSULT
- CAN communication line connected to active noise control unit is used for active sound enhancement and diagnosis function with CONSULT.



Front Microphone (for Active Noise Cancellation or AudioPilot)

INFOID:0000000013717255

Front microphone (LH, RH) are installed on the LH and RH side of the headlining assembly.



WITH BOSE SYSTEM

- The front microphone (LH, RH) are used for the active noise cancellation system and AudioPilot®.
- The power is supplied from the BOSE amp. to the microphone, transmitting sound signals to the BOSE amp. at the during active noise cancellation system and AudioPilot®.

WITHOUT BOSE SYSTEM

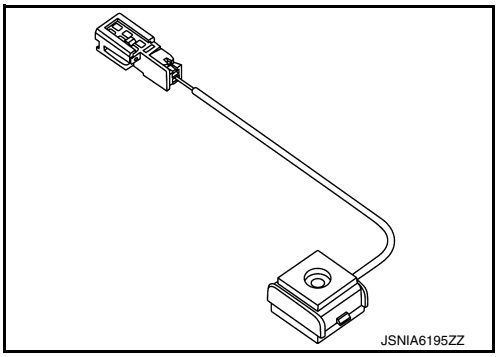
- The front microphone (LH, RH) are used for the active noise cancellation system.

- The power is supplied from the active noise control unit to the microphone, transmitting sound signals to the active noise control unit at the during active noise cancellation system.

Rear Microphone (for Active Noise Cancellation)

INFOID:0000000013717256

Rear microphone is installed on the rear parcel shelf finisher.



WITH BOSE AUDIO

- The rear microphone is used for the active noise cancellation system.
- The power is supplied from the BOSE amp. to the microphone, transmitting sound signals to the BOSE amp. at the during active noise cancellation system.

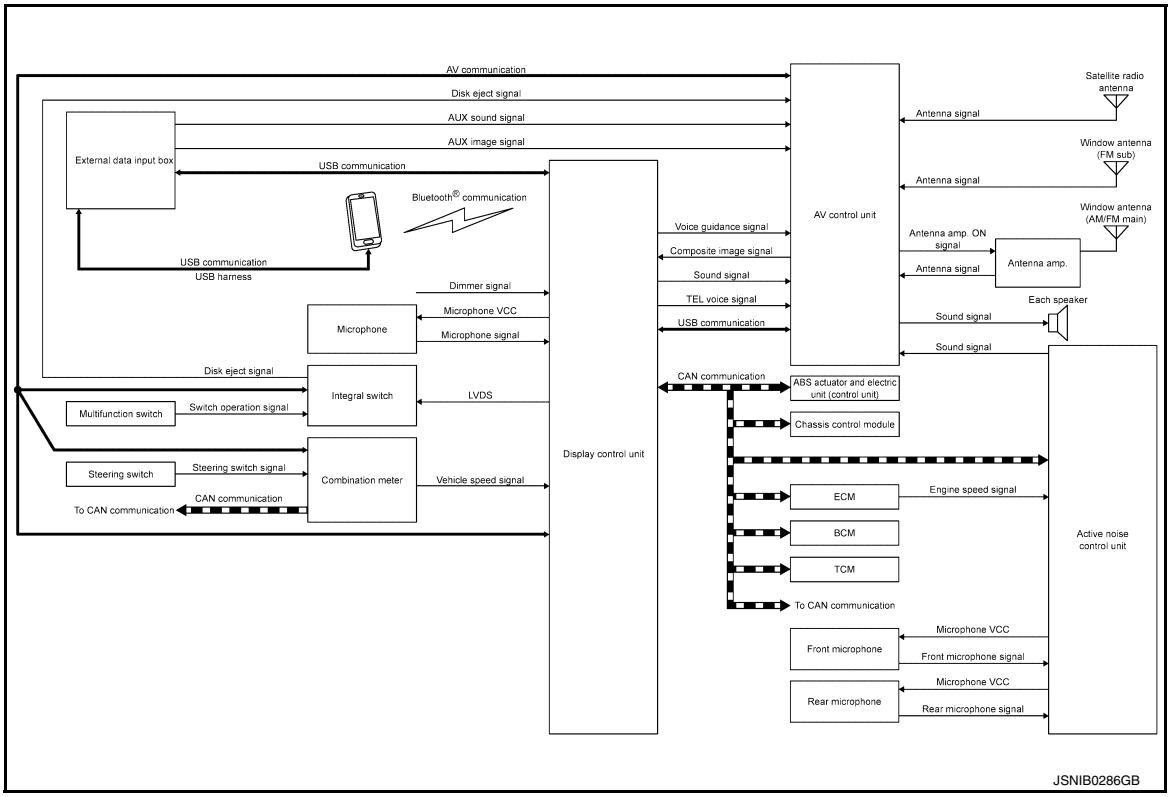
WITHOUT BOSE AUDIO

- The rear microphone is used for the active noise cancellation system.
- The power is supplied from the active noise control unit to the microphone, transmitting sound signals to the active noise control unit at the during active noise cancellation system.

INFINITI INTOUCH
BASE AUDIO WITHOUT NAVIGATION
BASE AUDIO WITHOUT NAVIGATION : System Description

INFOID:0000000013717257

SYSTEM DIAGRAM



Display Control Unit Input Signal (CAN Communication)

Transmit unit	Signal name
ECM	Engine status signal
	Fuel consumption monitor signal
	Shift position signal*1
ABS actuator and electric unit (control unit)	Vehicle speed signal
Combination meter	Distance to empty signal
	Fuel level low warning signal
	Parking brake switch signal
	Vehicle speed signal
Chassis control module	Drive mode signal
BCM	System setting signal
	Door switch signal
TCM	Shift position signal*2

*1: 2.0L turbo gasoline engine models
*2: VR30DDTT engine models

Active Noise Control Unit Input Signal (CAN Communication)

Transmit unit	Signal name
ECM	Engine torque signal
	Engine speed signal
	Accelerator pedal position signal
Combination meter	Vehicle speed signal
Chassis control module	Drive mode signal
BCM	Door switch signal

DESCRIPTION

- Refer to Owner's Manual for Infiniti InTouch operating instructions.
- Display control unit controls the Infiniti InTouch.
- Infiniti InTouch consists of the systems listed in the following table.

System	Reference
Audio	AV-74, "WITHOUT BOSE SYSTEM : System Description"
Hands-free phone	AV-78, "WITHOUT BOSE SYSTEM : System Description"
Active noise cancellation	AV-84, "WITHOUT BOSE SYSTEM : System Description"
Active sound enhancement	AV-86, "WITHOUT BOSE SYSTEM : System Description"

NOTE:
For camera system, refer to AV-665, "System Description".

VOICE RECOGNITION

- By speaking a command, operations of hands-free phone can be performed.
- To perform the voice control, press the switch of the steering switch. The system changes to the speech reception status. When a command is spoken, the speech recognition result is displayed, and the operation is executed.
- The voice control cannot be performed under the conditions listed below.

- When the camera image is displayed.
- When the hand-free phone is used.

NOTE:
DTMF can be sent via audio during a telephone call.

Major Functions

With this function, the list of commands used for telephone operation can be checked.

VEHICLE SETTINGS FUNCTION

The display control unit transmits and receives data signals via CAN communication with the BCM, allowing the following vehicle settings.

- Lamp ON When Door Unlock
- Light Sensitivity
- Light Off Delay
- Speed Sensing Wiper Interval
- Auto lock
- Auto Unlock (I-Key)
- Rain Sensor
- Answer Back
- IGN/ACC Battery Savar
- Lock/Unlock by Hands Free
- Touch Sensitive Door Sensor
- Lane Change (3 Flashes)
- Wipe Drip
- Answer Back Exterior Light
- Selective Door Unlock
- Lift Steering upone Exit
- Slide Driver Seat Back on Exit
- Reset All Setting to Default

NOTE:

The setting items vary depending on the vehicle specification

AUTO LIGHT ADJUSTMENT SYSTEM

When the light switch is in the 1st or 2nd position, the dimming of the display is judged according to a dimmer signal transmitted from BCM to the display control unit. Display illuminance is independent of vehicle exterior illuminance detected by the auto light detecting sensor even when the light switch is in 1st or 2nd position.

LOG-IN FUNCTION

For details on log-in function, refer to DMS-15, "LOG-IN FUNCTION : System Description".

Bluetooth® COMMUNICATION

Bluetooth® module is integrated in the display control unit, and a cell phone and a portable audio device can be connected by wireless communication using Bluetooth®.

USB COMMUNICATION

Each unit is connected by USB communication and used according to the descriptions in the following table.

Connecting unit	Description
Display control unit ⇔ AV control unit	Text information (the CD album title, artist name, and song title) is transmitted from AV control unit to display control unit.
Display control unit ⇔ External data input box	Music information stored in the iPod® or USB memory that is connected to external data input box is transmitted from external data input box to display control unit.

AV COMMUNICATION

Display control unit is connected to each unit via AV communication and used according to the descriptions in the following table.

Connecting unit	Description
AV control unit	The display control unit transmits a source switching signal to the AV control unit.
Integral switch	Integral switch transmits the operation signals of multifunction switch and integral switch to display control unit.
Combination meter	Display control unit transmits the information that is displayed on the information display of combination meter to combination meter.

LVDS

Display control unit is connected to each unit via LVDS and used according to the descriptions in the following table.
Image displayed on integral switch display is output from display control unit to integral switch.

Connecting unit	Description
Integral switch	Image displayed on display is output from display control unit to integral switch.

CLOCK

The display control unit incorporates a clock and displays time on the display screen.

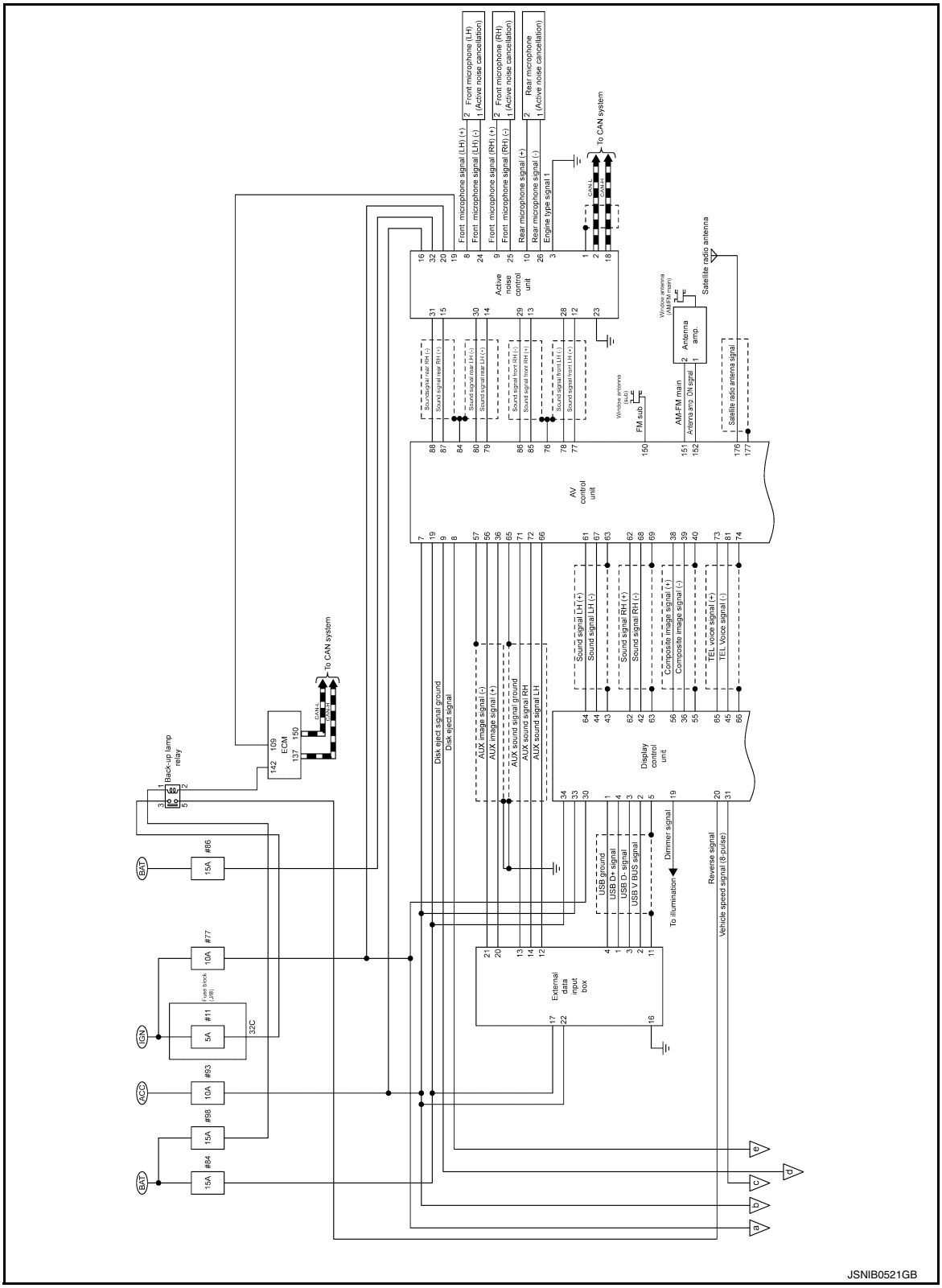
Operating voltage (V)	9.0 V or more	
Accuracy (sec./day)	Ignition switch OFF	Approx. ± 6
	Ignition switch ACC	Approx. ± 3

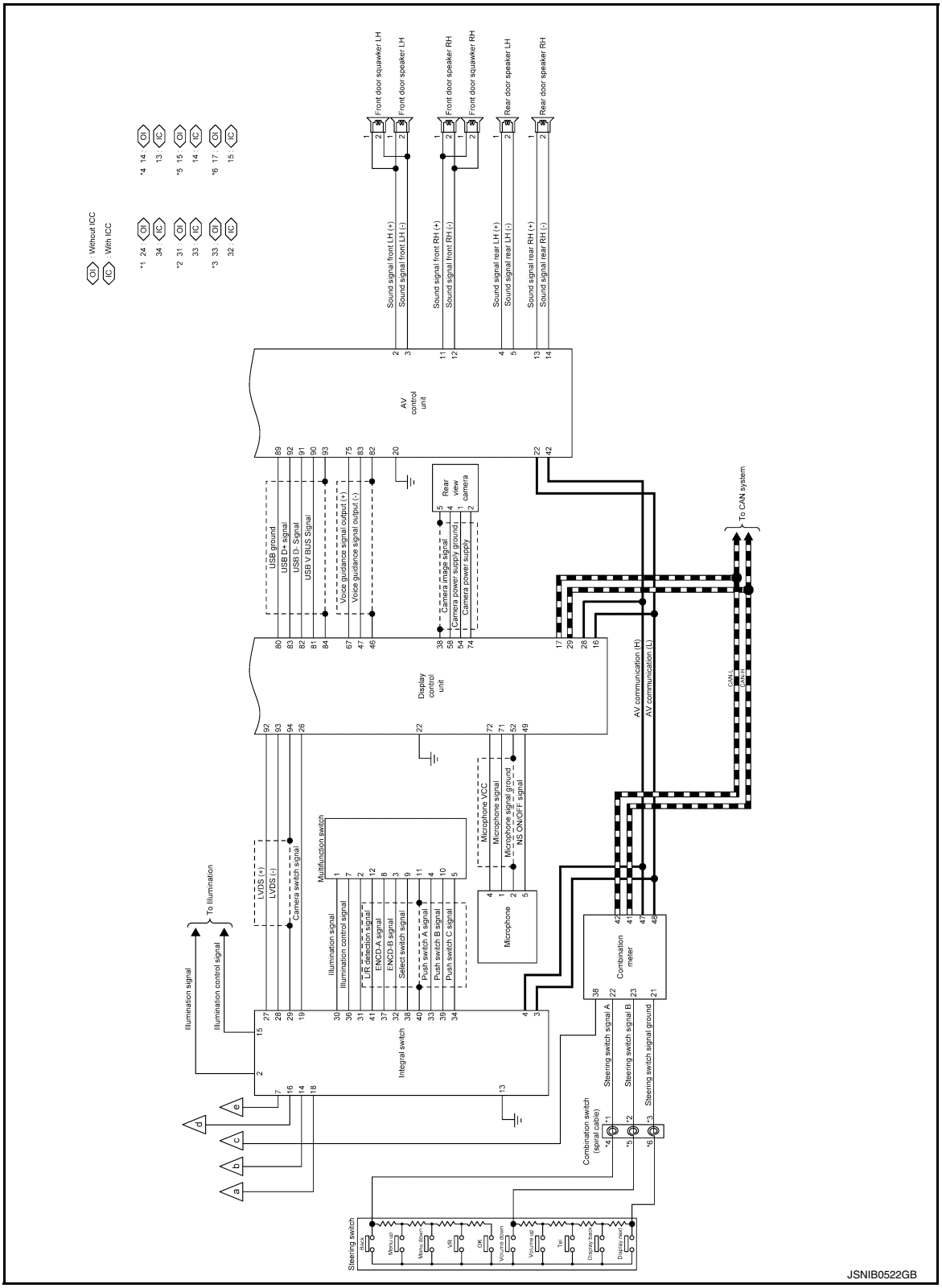
NOTE:
The time is displayed on the display. When a time lag of more than the above described accuracy occurs, the display control unit battery power supply voltage may be low. In this case, check 12 V battery for malfunction causing low power supply voltage. Models with the navigation system are free of time lag resulted from low power supply voltage because of the synchronization with GPS signals.

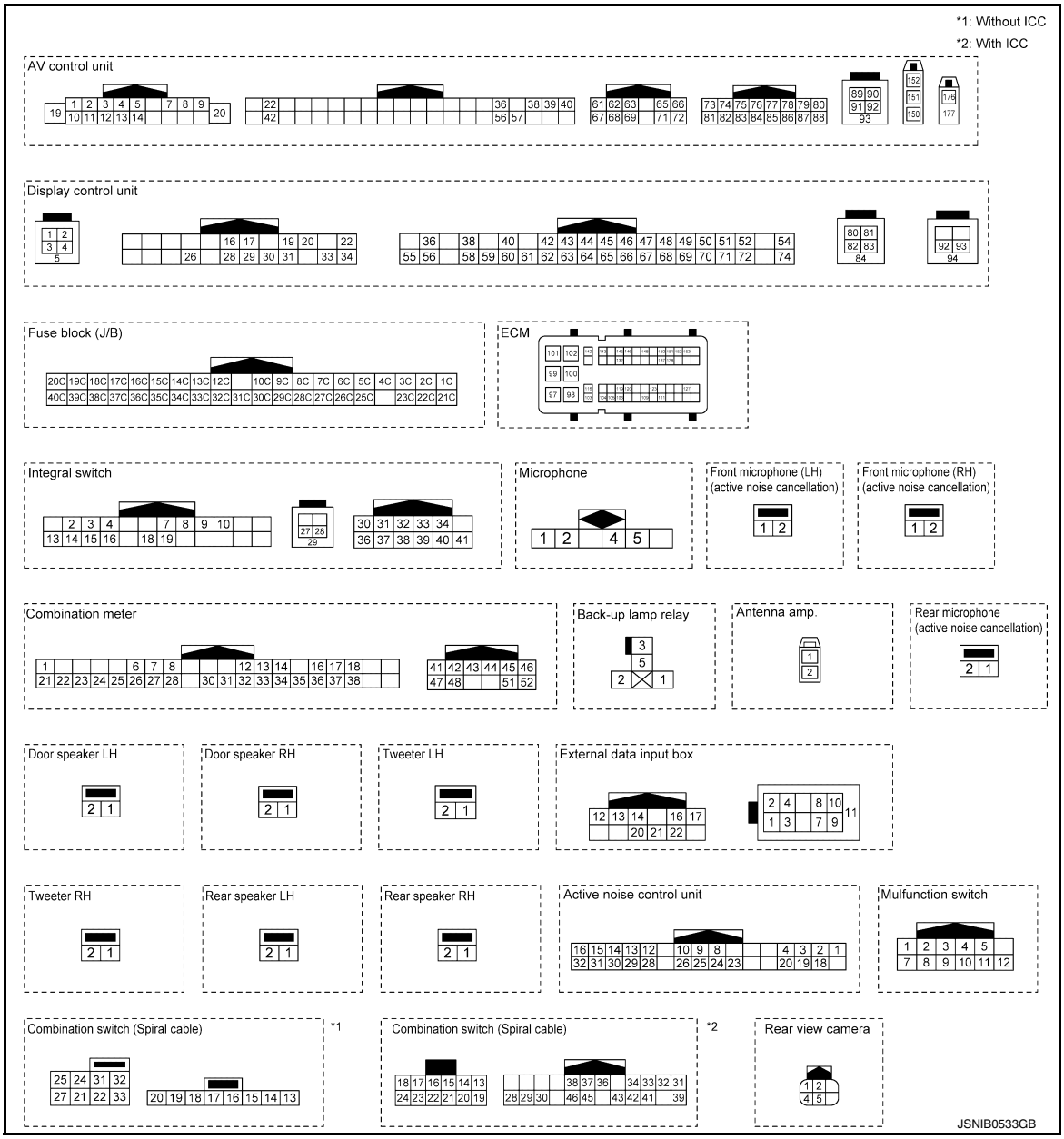
BASE AUDIO WITHOUT NAVIGATION : Circuit Diagram

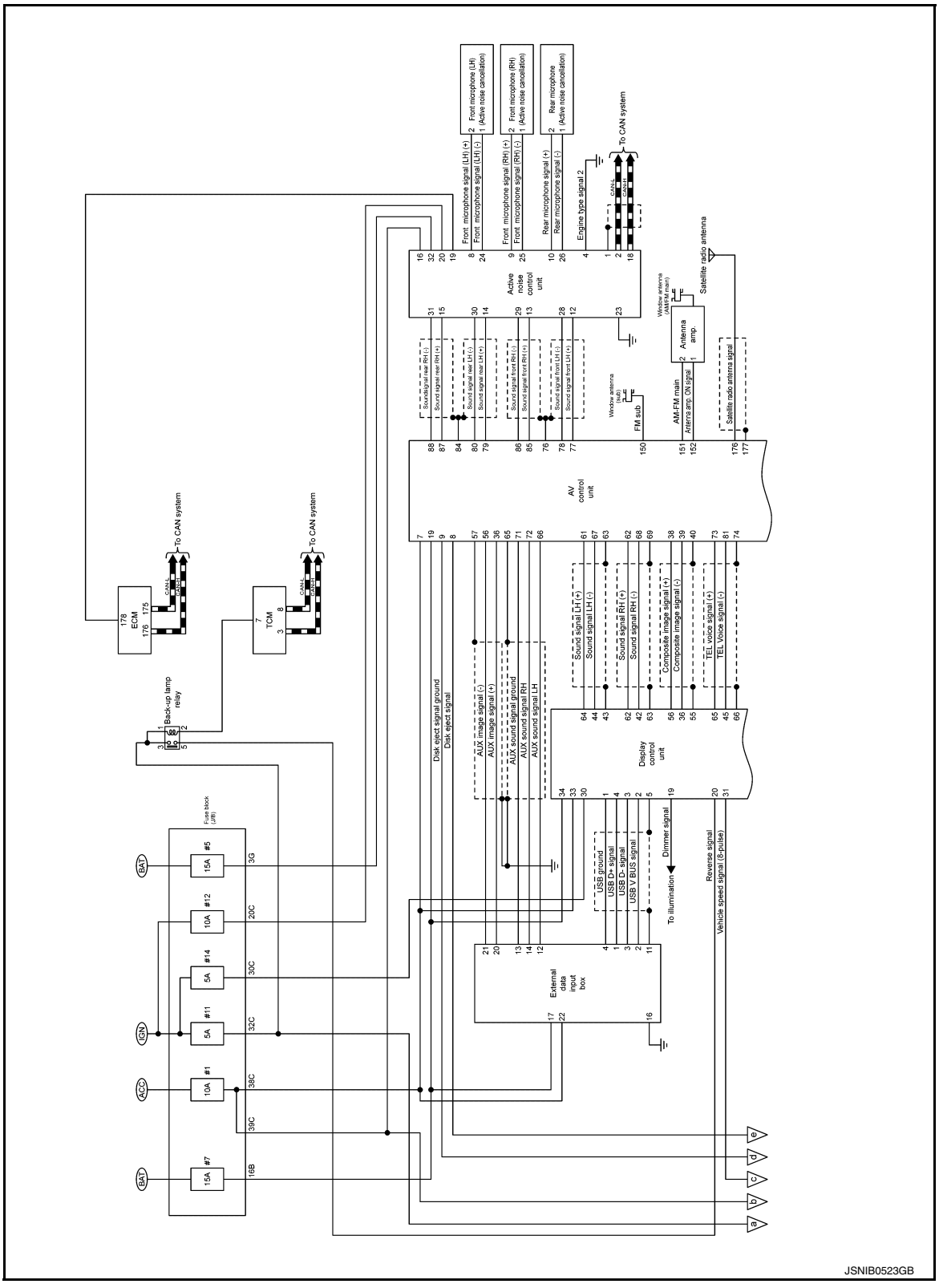
INFOID:0000000013717258

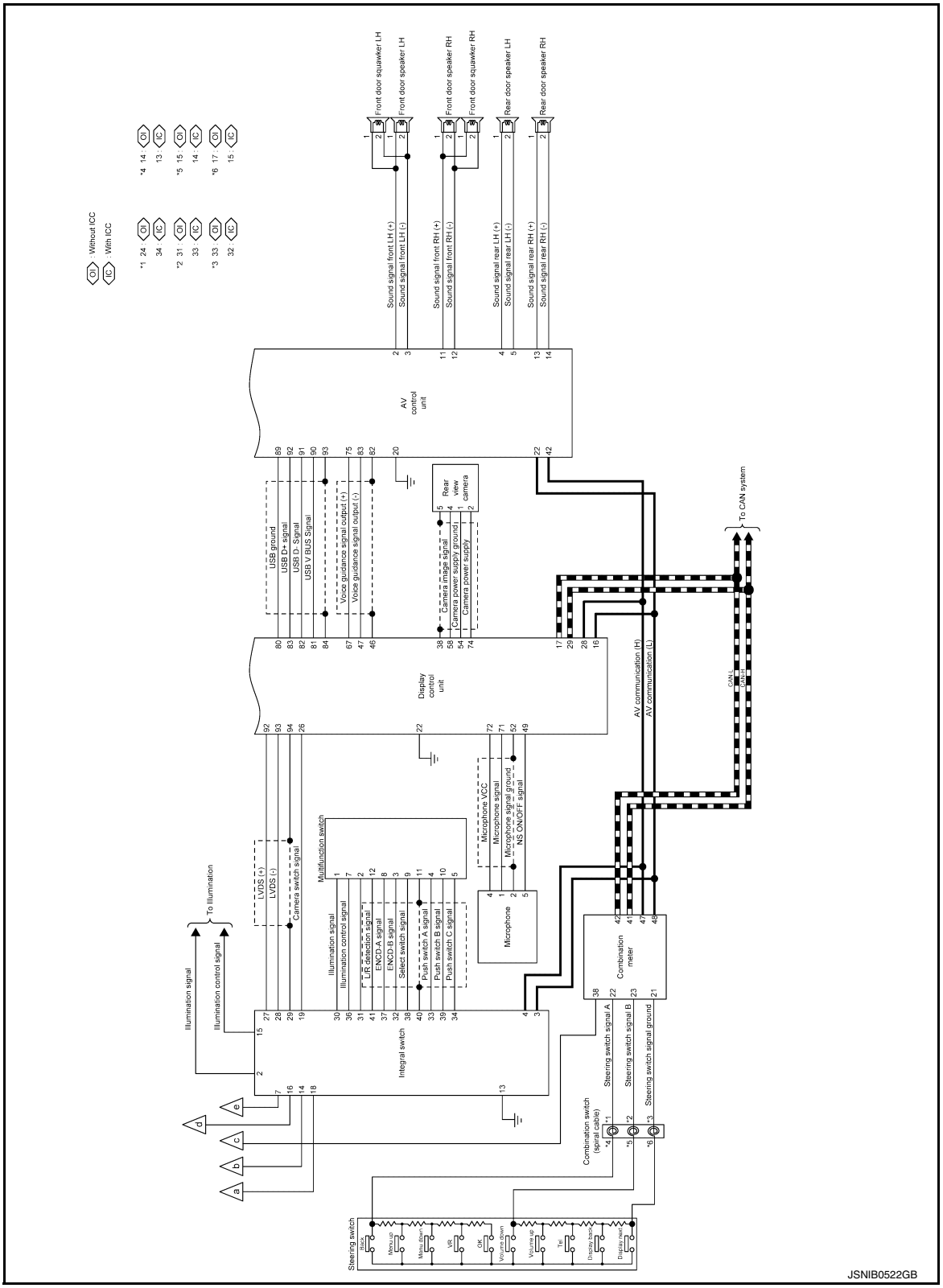
2.0L TURBO GASOLINE ENGINE

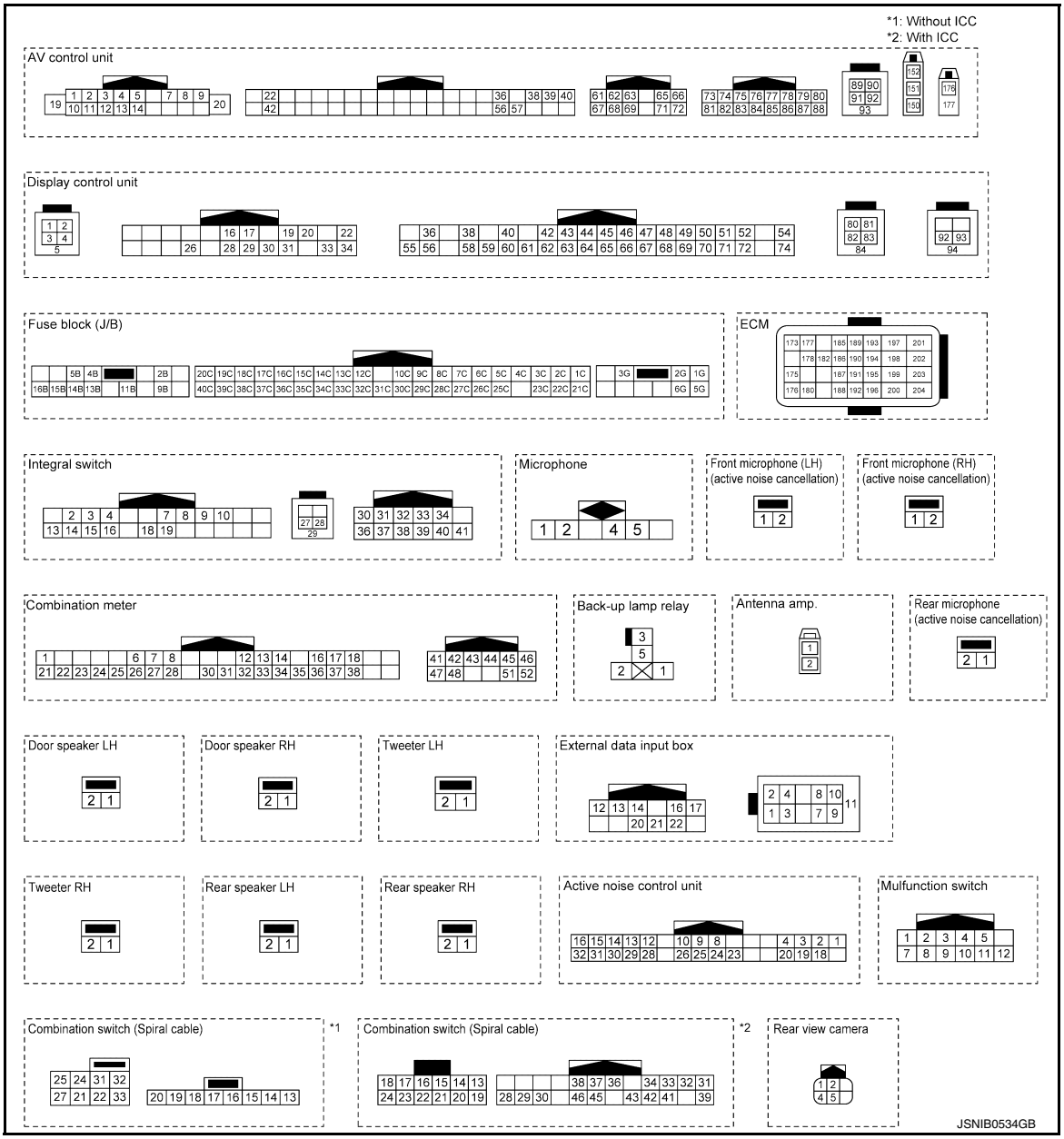



: Without ICC
: With ICC
Front door squawker LH
Front door speaker LH
Front door speaker RH
Front door squawker RH
Rear door speaker LH
Rear door speaker RH
Sound signal front LH (+)
Sound signal front LH (-)
Sound signal front RH (+)
Sound signal front RH (-)
Sound signal rear LH (+)
Sound signal rear LH (-)
Sound signal rear RH (+)
Sound signal rear RH (-)
AV control unit
USB ground
USB D+ signal
USB D- Signal
USB V BUS Signal
Voice guidance signal output (+)
Voice guidance signal output (-)
Rear view camera
Camera image signal
Camera power supply (ground)
Camera power supply
To CAN system
Display control unit
AV communication (H)
AV communication (L)
CAN-L
CAN-H
Microphone VCC
Microphone signal
Microphone signal ground
NS ON/OFF signal
Microphone
Multifunction switch
Illumination signal
Illumination control signal
LVDS (+)
LVDS (-)
Camera switch signal
LR detection signal
ENCD A signal
ENCD B signal
Select switch signal
Push switch A signal
Push switch B signal
Push switch C signal
To Illumination
Integral switch
Combination meter
Steering switch signal A
Steering switch signal B
Steering switch signal ground
Combination switch (spiral cable)
Steering switch
Back
Menu up
Menu down
VR
OK
Voice recognition
Volume up
Tel
Display down
Display next
JSNIB0522GB


*1: Without ICC
*2: With ICC
AV control unit
Display control unit
Fuse block (J/B)
ECM
Integral switch
Microphone
Front microphone (LH) (active noise cancellation)
Front microphone (RH) (active noise cancellation)
Combination meter
Back-up lamp relay
Antenna amp.
Rear microphone (active noise cancellation)
Door speaker LH
Door speaker RH
Tweeter LH
External data input box
Tweeter RH
Rear speaker LH
Rear speaker RH
Active noise control unit
Mulfunction switch
Combination switch (Spiral cable)
*1
Combination switch (Spiral cable)
*2
Rear view camera
JSNIB0533GB


Front microphone (LH) (Active noise cancellation)
Front microphone (RH) (Active noise cancellation)
Rear microphone (Active noise cancellation)
Front microphone signal (LH) (+)
Front microphone signal (LH) (-)
Front microphone signal (RH) (+)
Front microphone signal (RH) (-)
Rear microphone signal (+)
Rear microphone signal (-)
Engine type signal 2
To CAN system
CAN-L
CAN-H
Active noise control unit
Satellite radio antenna
Window antenna (Active antenna)
Antenna amp.
AM-FM main
Antenna amp. ON signal
Satellite radio antenna signal
Window antenna (sub)
FM sub
Sound signal rear RH (-)
Sound signal rear RH (+)
Sound signal rear LH (-)
Sound signal rear LH (+)
Sound signal front RH (-)
Sound signal front RH (+)
Sound signal front LH (-)
Sound signal front LH (+)
AV control unit
178 ECM 175 176
7 TCM 8 3
Back-up lamp relay
Fuse block (J/B)
BAT
#5 15A 3G
#12 10A 20C
#14 5A 30C
IGN
#11 5A 32C
ACC
#1 10A 38C
39C
BAT
#7 15A 16B
Disk eject signal ground
Disk eject signal
AUX image signal (-)
AUX image signal (+)
AUX sound signal ground
AUX sound signal RH
AUX sound signal LH
Sound signal LH (+)
Sound signal LH (-)
Sound signal RH (+)
Sound signal RH (-)
Composite image signal (+)
Composite image signal (-)
TEL voice signal (+)
TEL Voice signal (-)
Display control unit
USB ground
USB D+ signal
USB D- signal
USB V BUS signal
Dimmer signal
To illumination
Reverse signal
Vehicle speed signal (8-pulse)
External data input box
a
b
c
d
e
JSNIB0523GB


: Without ICC
: With ICC
Front door squawker LH
Front door speaker LH
Front door speaker RH
Front door squawker RH
Rear door speaker LH
Rear door speaker RH
Sound signal front LH (+)
Sound signal front LH (-)
Sound signal front RH (+)
Sound signal front RH (-)
Sound signal rear LH (+)
Sound signal rear LH (-)
Sound signal rear RH (+)
Sound signal rear RH (-)
AV control unit
USB ground
USB D+ signal
USB D- Signal
USB V BUS Signal
Voice guidance signal output (+)
Voice guidance signal output (-)
Rear view camera
Camera image signal
Camera power supply ground
Camera power supply
To CAN system
Display control unit
AV communication (H)
AV communication (L)
CAN-L
CAN-H
Microphone VCC
Microphone signal
Microphone signal ground
NS ON/OFF signal
Microphone
Multifunction switch
LVDS (+)
LVDS (-)
Camera switch signal
Illumination signal
Illumination control signal
L/R detection signal
ENCD-A signal
ENCD-B signal
Select switch signal
Push switch A signal
Push switch B signal
Push switch C signal
To Illumination
Integral switch
Combination meter
Steering switch signal A
Steering switch signal B
Steering switch signal ground
Combination switch (spiral cable)
Steering switch
Back
Menu up
Menu down
VR
OK
Volume down
Volume up
Tel
Display back
Display next
JSNIB0522GB



BASE AUDIO WITHOUT NAVIGATION : Fail-Safe (Display Control Unit)

INFOID:0000000014001542

If a malfunction occurs in the Infiniti InTouch, display control unit performs fail-safe activation according to the detected malfunction.

Detection item	Infiniti InTouch operation in fail-safe mode	DTC
Engine speed signal	Active noise cancellation system and active sound enhancement system function are deactivated.	B1F01
Front microphone (LH)	Active noise cancellation function is deactivated.	B1F0B B1F0C B1F0D B1F0E
Front microphone (RH)	Active noise cancellation function is deactivated.	B1F10 B1F11 B1F12 B1F13

Detection item	Infiniti InTouch operation in fail-safe mode		DTC
Rear microphone	Active noise cancellation function is deactivated.		B1F15 B1F16 B1F17 B1F18
CAN communication	The system using the CAN communication signal from control unit which cannot communicate does not function.		U1000
	The system using the CAN communication signal does not function.		U1010
Display control unit	• Display is not displayed. • Display control unit restart. • Display control unit freezes. **NOTE:** Symptom other than an item may occur.		U121F
Configuration	A function of display control unit becomes mismatched with a vehicle specification and destination.		U1223
BOSE amp.	BOSE system does not function.		U1231
Steering angle sensor	Predictive course line is not displayed.		U1232
NAVI control unit	• Map is not displayed. • Navigation screen does not operate. **NOTE:** Symptom other than an item may occur.		U1233
AV control unit	• Sound is not output by a speaker. • CD is not played. • Radio does not operate. **NOTE:** Symptom other than an item may occur.		U1234
GPS antenna	The vehicle positions of a navigation screen differ.		U1244
AV communication	AV control unit	• Sound is not output by a speaker. • CD is not played. • Radio does not operate. **NOTE:** Symptom other than an item may occur.	U1249
	BOSE amp.	Sound is not output by a speaker.	U124E
	Integral switch	• Integral switch display is not displayed. • Switch operation does not operate. • Touch panel operation does not operate. **NOTE:** Symptom other than an item may occur.	U1259
	Around view monitor control unit	Camera image is not displayed.	U125B
	Combination meter	• Audio information is not displayed by the information display in the combination meter. • Navigation indicator is not displayed by the information display in the combination meter. • Steering switch does not operate.	U1267
	Display control unit	The system of ECU which detected abnormalities does not operate.	U1300
		The system which is using AV communication does not operate.	U1310
Satellite radio antenna	Satellite radio is not received.		U1258
USB communication	NAVI control unit	A navigation menu cannot be selected (hatching display).	U125D
	TCU	Telematics system does not function.	U1266
	External data input box	Audio equipment which connected to USB does not operate.	U12B7
Rear view camera	Rear camera image is not displayed.		U12B8
Multifunction switch	Multifunction switch operation does not operate.		U12BA

Detection item	Infiniti InTouch operation in fail-safe mode		DTC
Radio antenna	Radio is not received.		U12BE
Speaker/squawker/tweeter/ woofer	With BOSE system		
	Door woofer	No sound from door woofer LH or RH.	U1601 U1609
	Door squawker	No sound from door squawker LH or RH.	U1602 U160A
	Tweeter	No sound from tweeter LH or RH.	U1603 U160B
	Front squawker	No sound from front squawker LH or RH.	U1626 U162E
	Center squawker	No sound from center squawker.	U162A
	Rear squawker	No sound from rear squawker LH or RH.	U1716 U171E
	Rear woofer	No sound from rear woofer LH or RH.	U1721 U1729
	Without BOSE system		
	Door speaker	No sound from door speaker LH or RH.	U1600 U1608
	Rear speaker	No sound from rear speaker LH or RH.	U1720 U1728

BASE AUDIO WITHOUT NAVIGATION : Fail-Safe (Active Noise Control Unit)

INFOID:0000000014001545

If a malfunction occurs in the Active noise cancellation system or Active sound enhancement system, active noise control unit performs fail-safe activation according to the detected malfunction.

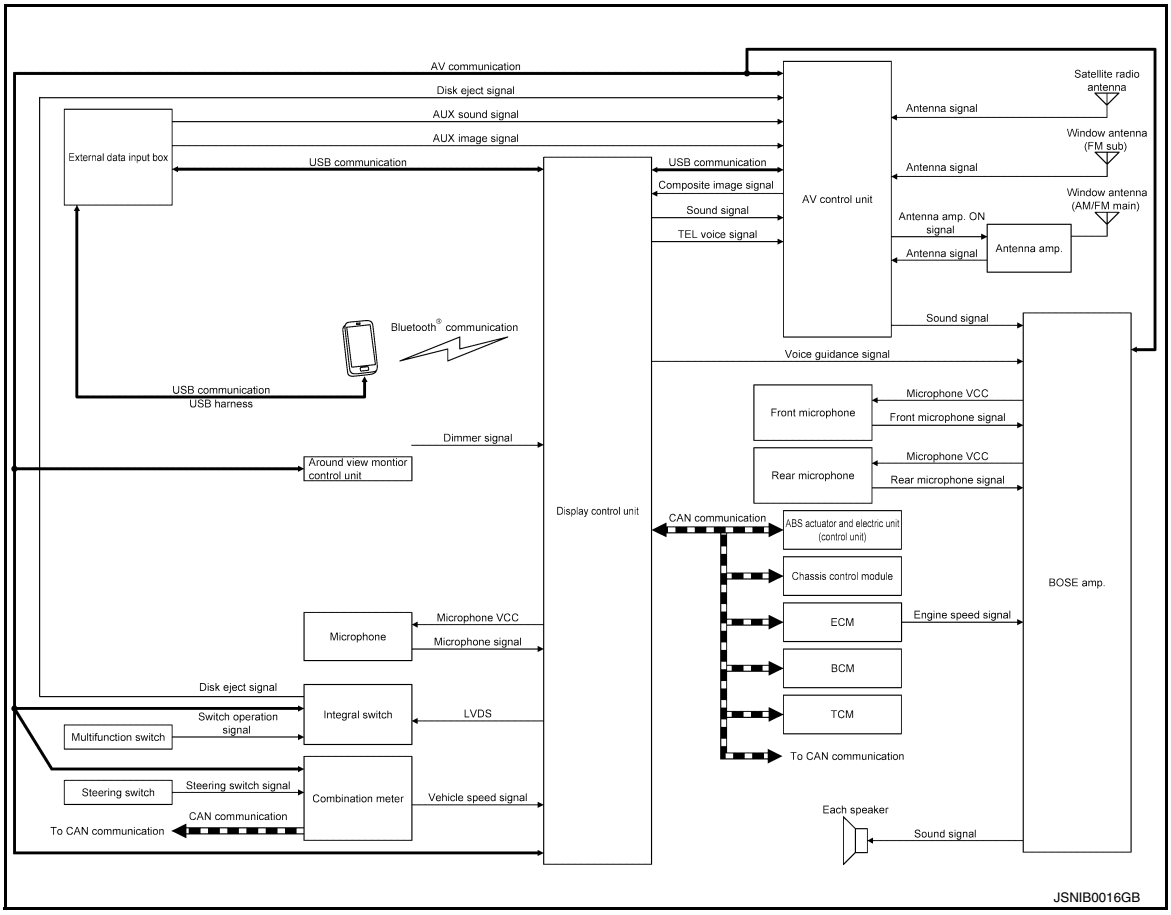
Detection item	ANC/ASC operation in fail-safe mode	DTC
Active noise control unit	Active noise cancellation system and Active sound enhancement system function are deactivated.	B1F00
	DTC B1F05, B1F06, B1F07 and B1F20 is detected	U1010
Engine speed signal	Active noise cancellation system and Active sound enhancement system function are deactivated.	B1F01
CAN communication	Active noise cancellation system and Active sound enhancement system function are deactivated	B1F05 U0100 U0140
	Active sound enhancement system function is deactivated	B1F06 B1F20 U0155
	Active noise cancellation system and Active sound enhancement system are fixed to a standard mode.	B1F07 U0198
	DTC B1F05, B1F06, B1F07 and B1F20 is detected	U1000
Front microphone (LH)	Active noise cancellation system function is deactivated	B1F0A
Front microphone (RH)		B1F0F
Rear microphone		B1F14

BOSE AUDIO WITHOUT NAVIGATION

BOSE AUDIO WITHOUT NAVIGATION : System Description

INFOID:0000000013717261

SYSTEM DIAGRAM



Display Control Unit Input Signal (CAN Communication)

Transmit unit	Signal name
ECM	Engine status signal
	Engine torque signal
	Engine speed signal
	Accelerator pedal position signal
	Fuel consumption monitor signal
	Shift position signal*1
ABS actuator and electric unit (control unit)	Vehicle speed signal
Combination meter	Distance to empty signal
	Fuel level low warning signal
	Parking brake switch signal
	Vehicle speed signal
Chassis control module	Drive mode signal
BCM	System setting signal
	Door switch signal
TCM	Shift position signal*2

*1: 2.0L turbo gasoline engine models
*2: VR30DDTT engine models

DESCRIPTION

- Refer to Owner's Manual for Infiniti InTouch operating instructions.
- Display control unit controls the Infiniti InTouch.
- Infiniti InTouch consists of the systems listed in the following table.

System	Reference
Audio	AV-71, "WITH BOSE SYSTEM : System Description"
Hands-free phone	AV-77, "WITH BOSE SYSTEM : System Description"
Active noise cancellation	AV-83, "WITH BOSE SYSTEM : System Description"
Active sound enhancement	AV-85, "WITH BOSE SYSTEM : System Description"

NOTE:
For camera system, refer to following.
- Around view monitor system: AV-467, "System Description"
- Rear view monitor system: AV-665, "System Description"

VOICE RECOGNITION

- By speaking a command, operations of hands-free phone can be performed.
- To perform the voice control, press the switch of the steering switch. The system changes to the speech reception status. When a command is spoken, the speech recognition result is displayed, and the operation is executed.
- The voice control cannot be performed under the conditions listed below.

- When the camera image is displayed
- When the hands-free phone is used

NOTE:
DTMF can be sent via audio during a telephone call.

Major Functions
With this function, the list of commands used for telephone operation can be checked.

VEHICLE SETTINGS FUNCTION

The display control unit transmits and receives data signals via CAN communication with the BCM, allowing the following vehicle settings.

- Lamp ON When Door Unlock
- Light Sensitivity
- Light Off Delay
- Speed Sensing Wiper Interval
- Auto lock
- Auto Unlock (I-Key)
- Rain Sensor
- Answer Back
- IGN/ACC Battery Savar
- Lock/Unlock by Hands Free
- Touch Sensitive Door Sensor
- Lane Change (3 Flashes)
- Wipe Drip
- Answer Back Exterior Light
- Selective Door Unlock
- Lift Steering upone Exit
- Slide Driver Seat Back on Exit
- Reset All Setting to Default

NOTE:
The setting items vary depending on the vehicle specification

AUTO LIGHT ADJUSTMENT SYSTEM

When the light switch is in the 1st or 2nd position, the dimming of the display is judged according to a dimmer signal transmitted from BCM to the display control unit. Display illuminance is independent of vehicle exterior illuminance detected by the auto light detecting sensor even when the light switch is in 1st or 2nd position.

LOG-IN FUNCTION

For details on log-in function, refer to DMS-15, "LOG-IN FUNCTION : System Description".

Bluetooth® COMMUNICATION

Bluetooth® module is integrated in the display control unit, and a cell phone and a portable audio device can be connected by wireless communication using Bluetooth®.

USB COMMUNICATION

Each unit is connected by USB communication and used according to the descriptions in the following table.

Music information stored in the iPod® or USB memory that is connected to external data input box is transmitted from external data input box to display control unit.

Connecting unit	Description
Display control unit ⇔ AV control unit	Text information (the CD album title, artist name, and song title) is transmitted from AV control unit to display control unit.
Display control unit ⇔ External data input box	Music information stored in the iPod® or USB memory that is connected to external data input box is transmitted from external data input box to display control unit.

AV COMMUNICATION

Display control unit is connected to each unit via AV communication and used according to the descriptions in the following table.

Connecting unit	Description
AV control unit	The display control unit transmits a source switching signal to the AV control unit.
Around view monitor control unit	Camera image switching and setting signal is transmitted and received between display control unit and around view monitor control unit.
Integral switch	Integral switch transmits the operation signals of multifunction switch and integral switch to display control unit.
Combination meter	Display control unit transmits the information that is displayed on the information display of combination meter to combination meter.
BOSE amp.	Display control unit transmits the BOSE amp. ON signal to BOSE amp.

LVDS

Display control unit is connected to each unit via LVDS and used according to the descriptions in the following table.

Image displayed on integral switch display is output from display control unit to integral switch.

Connecting unit	Description
Integral switch	Image displayed on display is output from display control unit to integral switch.

CLOCK

The display control unit incorporates a clock and displays time on the display screen.

Operating voltage (V)	9.0 V or more	
Accuracy (sec./day)	Ignition switch OFF	Approx. ± 6
	Ignition switch ACC	Approx. ± 3

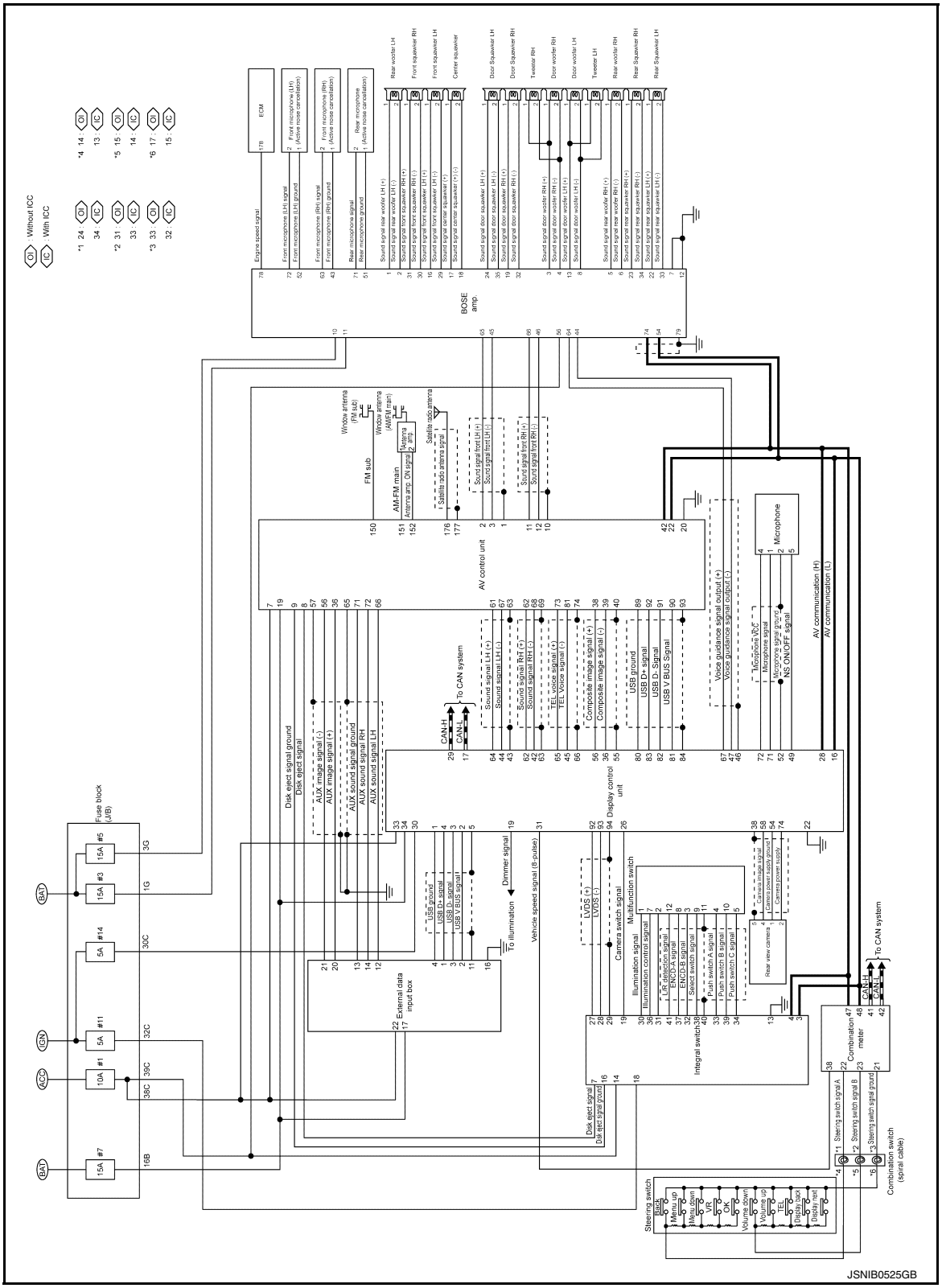
NOTE:

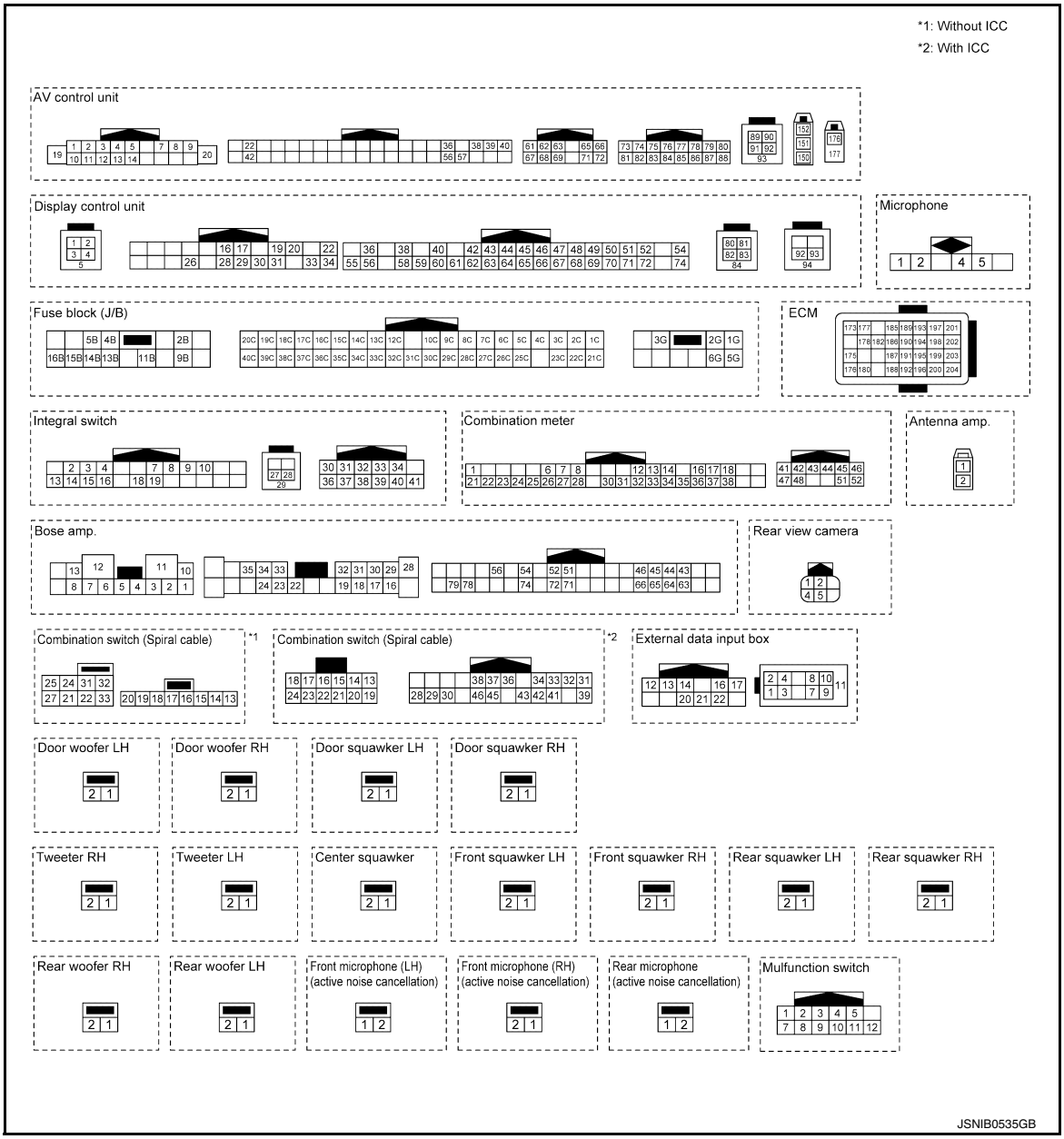
The time is displayed on the display. When a time lag of more than the above described accuracy occurs, the display control unit battery power supply voltage may be low. In this case, check 12 V battery for malfunction causing low power supply voltage. Models with the navigation system are free of time lag resulted from low power supply voltage because of the synchronization with GPS signals.

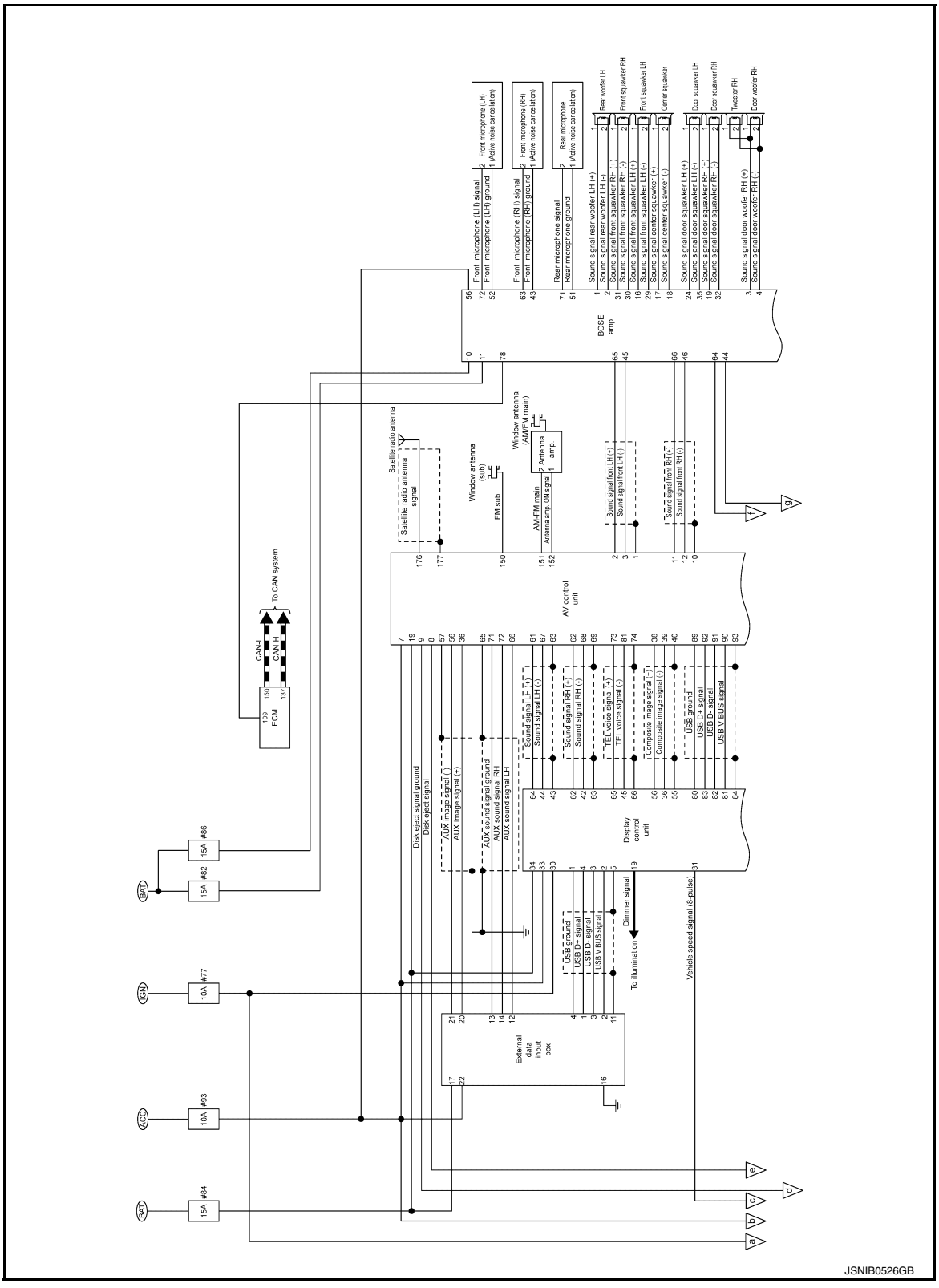
BOSE AUDIO WITHOUT NAVIGATION : Circuit Diagram

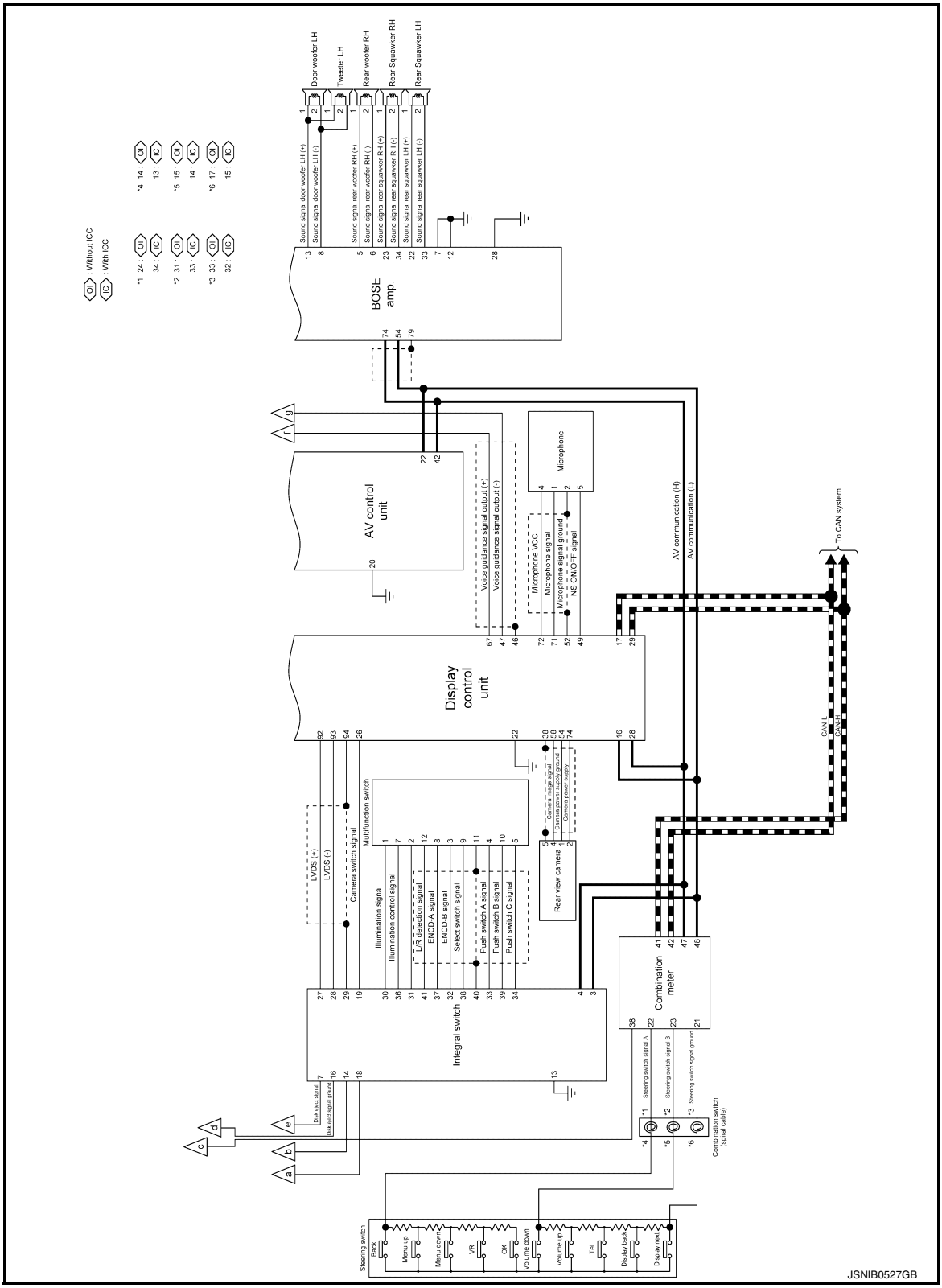
INFOID:0000000013717262

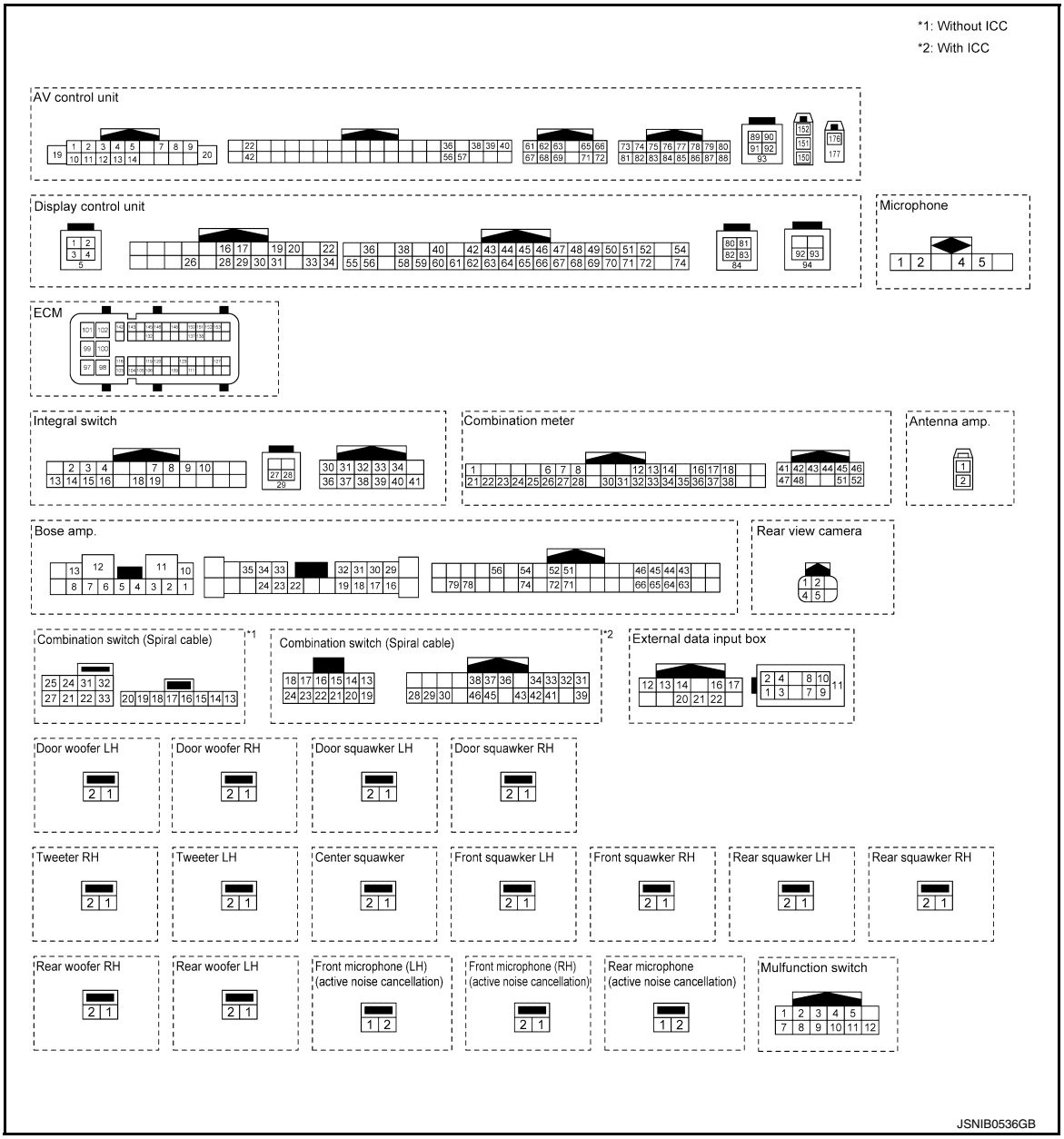
VR30DDTT




*1: Without ICC
*2: With ICC
AV control unit
Display control unit
Microphone
Fuse block (J/B)
ECM
Integral switch
Combination meter
Antenna amp.
Bose amp.
Rear view camera
Combination switch (Spiral cable)
*1
Combination switch (Spiral cable)
*2
External data input box
Door woofer LH
Door woofer RH
Door squawker LH
Door squawker RH
Tweeter RH
Tweeter LH
Center squawker
Front squawker LH
Front squawker RH
Rear squawker LH
Rear squawker RH
Rear woofer RH
Rear woofer LH
Front microphone (LH) (active noise cancellation)
Front microphone (RH) (active noise cancellation)
Rear microphone (active noise cancellation)
Mulfunction switch
JSNIB0535GB


Front microphone (LH) signal
Front microphone (LH) ground
Front microphone (RH) signal
Front microphone (RH) ground
Rear microphone signal
Rear microphone ground
Front microphone (LH) (Active noise cancellation)
Front microphone (RH) (Active noise cancellation)
Rear microphone (Active noise cancellation)
Rear woofer LH
Front squawker RH
Front squawker LH
Center squawker
Door squawker LH
Door squawker RH
Tweeter RH
Door woofer RH
Sound signal rear woofer LH (+)
Sound signal rear woofer LH (-)
Sound signal front squawker RH (+)
Sound signal front squawker RH (-)
Sound signal front squawker LH (+)
Sound signal front squawker LH (-)
Sound signal center squawker (+)
Sound signal center squawker (-)
Sound signal door squawker LH (+)
Sound signal door squawker LH (-)
Sound signal door squawker RH (+)
Sound signal door squawker RH (-)
Sound signal door woofer RH (+)
Sound signal door woofer RH (-)
BOSE amp.
Satellite radio antenna signal
Satellite radio antenna
Window antenna (sub)
FM sub
Window antenna (AM/FM main)
Antenna amp.
AM-FM main
Antenna amp. ON signal
Sound signal front LH (+)
Sound signal front LH (-)
Sound signal front RH (+)
Sound signal front RH (-)
AV control unit
To CAN system
CAN-L
CAN-H
ECM
Disk eject signal ground
Disk eject signal
AUX image signal (-)
AUX image signal (+)
AUX sound signal ground
AUX sound signal RH
AUX sound signal LH
Sound signal LH (+)
Sound signal LH (-)
Sound signal RH (+)
Sound signal RH (-)
TEL voice signal (+)
TEL voice signal (-)
Composite image signal (+)
Composite image signal (-)
USB ground
USB D+ signal
USB D- signal
USB V BUS signal
Display control unit
Dimmer signal
To illumination
Vehicle speed signal (8-pulse)
External data input box
BAT
IGN
ACC
#86
#82
#77
#93
#84
JSNIB0526GB


Without ICC
With ICC
Door woofer LH
Tweeter LH
Rear woofer RH
Rear Squawker RH
Rear Squawker LH
BOSE amp.
AV control unit
Microphone
Display control unit
Rear view camera
Multifunction switch
Integral switch
Combination meter
Steering switch
To CAN system
JSNIB0527GB



BOSE AUDIO WITHOUT NAVIGATION : Fail-Safe (Display Control Unit)

INFOID:0000000014001543

If a malfunction occurs in the Infiniti InTouch, display control unit performs fail-safe activation according to the detected malfunction.

Detection item	Infiniti InTouch operation in fail-safe mode	DTC
Engine speed signal	Active noise cancellation system and active sound enhancement system function are deactivated.	B1F01
Front microphone (LH)	Active noise cancellation function is deactivated.	B1F0B B1F0C B1F0D B1F0E
Front microphone (RH)	Active noise cancellation function is deactivated.	B1F10 B1F11 B1F12 B1F13

Detection item	Infiniti InTouch operation in fail-safe mode		DTC
Rear microphone	Active noise cancellation function is deactivated.		B1F15 B1F16 B1F17 B1F18
CAN communication	The system using the CAN communication signal from control unit which cannot communicate does not function.		U1000
	The system using the CAN communication signal does not function.		U1010
Display control unit	• Display is not displayed. • Display control unit restart. • Display control unit freezes. **NOTE:** Symptom other than an item may occur.		U121F
Configuration	A function of display control unit becomes mismatched with a vehicle specification and destination.		U1223
BOSE amp.	BOSE system does not function.		U1231
Steering angle sensor	Predictive course line is not displayed.		U1232
NAVI control unit	• Map is not displayed. • Navigation screen does not operate. **NOTE:** Symptom other than an item may occur.		U1233
AV control unit	• Sound is not output by a speaker. • CD is not played. • Radio does not operate. **NOTE:** Symptom other than an item may occur.		U1234
GPS antenna	The vehicle positions of a navigation screen differ.		U1244
AV communication	AV control unit	• Sound is not output by a speaker. • CD is not played. • Radio does not operate. **NOTE:** Symptom other than an item may occur.	U1249
	BOSE amp.	Sound is not output by a speaker.	U124E
	Integral switch	• Integral switch display is not displayed. • Switch operation does not operate. • Touch panel operation does not operate. **NOTE:** Symptom other than an item may occur.	U1259
	Around view monitor control unit	Camera image is not displayed.	U125B
	Combination meter	• Audio information is not displayed by the information display in the combination meter. • Navigation indicator is not displayed by the information display in the combination meter. • Steering switch does not operate.	U1267
	Display control unit	The system of ECU which detected abnormalities does not operate.	U1300
		The system which is using AV communication does not operate.	U1310
Satellite radio antenna	Satellite radio is not received.		U1258
USB communication	NAVI control unit	A navigation menu cannot be selected (hatching display).	U125D
	TCU	Telematics system does not function.	U1266
	External data input box	Audio equipment which connected to USB does not operate.	U12B7
Rear view camera	Rear camera image is not displayed.		U12B8
Multifunction switch	Multifunction switch operation does not operate.		U12BA

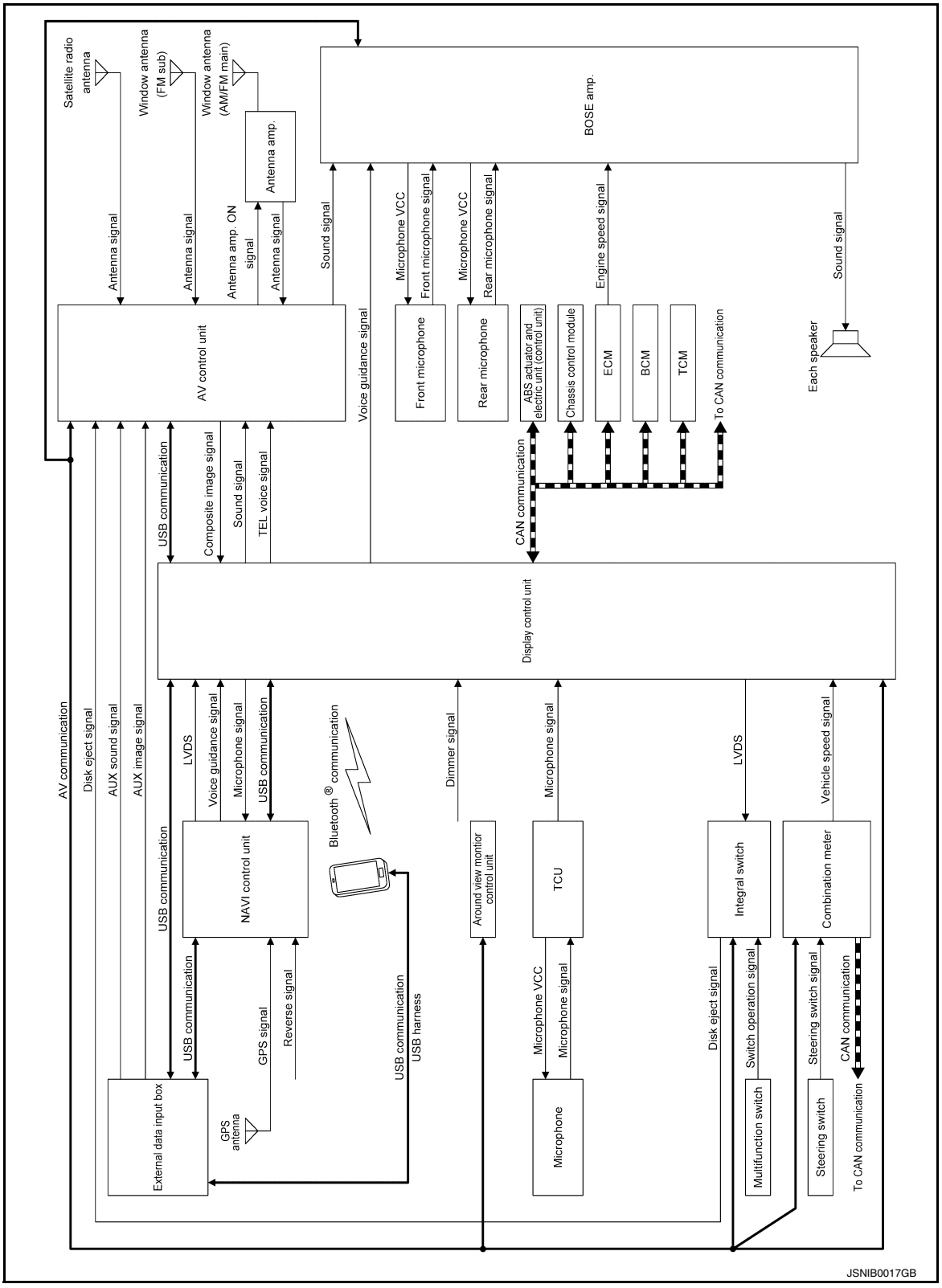
Detection item	Infiniti InTouch operation in fail-safe mode		DTC
Radio antenna	Radio is not received.		U12BE
Speaker/squawker/tweeter/ woofer	With BOSE system		
	Door woofer	No sound from door woofer LH or RH.	U1601 U1609
	Door squawker	No sound from door squawker LH or RH.	U1602 U160A
	Tweeter	No sound from tweeter LH or RH.	U1603 U160B
	Front squawker	No sound from front squawker LH or RH.	U1626 U162E
	Center squawker	No sound from center squawker.	U162A
	Rear squawker	No sound from rear squawker LH or RH.	U1716 U171E
	Rear woofer	No sound from rear woofer LH or RH.	U1721 U1729
	Without BOSE system		
	Door speaker	No sound from door speaker LH or RH.	U1600 U1608
	Rear speaker	No sound from rear speaker LH or RH.	U1720 U1728

BOSE AUDIO WITH NAVIGATION

BOSE AUDIO WITH NAVIGATION : System Description

INFOID:0000000013717264

SYSTEM DIAGRAM



Display Control Unit Input Signal (CAN Communication)

Transmit unit	Signal name
ECM	Engine status signal
	Engine torque signal
	Engine speed signal
	Accelerator pedal position signal
	Fuel consumption monitor signal
	Shift position signal*1
ABS actuator and electric unit (control unit)	Vehicle speed signal
Combination meter	Distance to empty signal
	Fuel level low warning signal
	Parking brake switch signal
	Vehicle speed signal
Chassis control module	Drive mode signal
BCM	System setting signal
	Door switch signal
TCM	Shift position signal*2

*1: 2.0L turbo gasoline engine models
*2: VR30DDTT engine models

DESCRIPTION

- Refer to Owner's Manual for multi AV system operating instructions.
- Display control unit controls the multi AV system.
- Multi AV system consists of the systems listed in the following table.

System	Reference
Audio	AV-71, "WITH BOSE SYSTEM : System Description"
Hands-free phone	AV-77, "WITH BOSE SYSTEM : System Description"
Active noise cancellation	AV-83, "WITH BOSE SYSTEM : System Description"
Active sound enhancement	AV-85, "WITH BOSE SYSTEM : System Description"

NOTE:
For camera system, refer to following.
- Around view monitor system: AV-467, "System Description"
- Rear view monitor system: AV-665, "System Description"

VOICE RECOGNITION

- By speaking a command, operations of navigation and hands-free phone can be performed.
- To perform the voice control, press the switch of the steering switch. The system changes to the speech reception status. When a command is spoken, the speech recognition result is displayed, and the operation is executed.
- The voice control cannot be performed under the conditions listed below.

- When the camera image is displayed
- When the hand-free phone is used

NOTE:
DTMF can be sent via audio during a telephone call.

Major Functions
With this function, the list of commands used for telephone, and navigation operation can be checked.

VEHICLE SETTINGS FUNCTION

The display control unit transmits and receives data signals via CAN communication with the BCM, allowing the following vehicle settings.
- Lamp ON When Door Unlock
- Light Sensitivity
- Light Off Delay

- Speed Sensing Wiper Interval
- Auto lock
- Auto Unlock (I-Key)
- Rain Sensor
- Answer Back
- IGN/ACC Battery Savar
- Lock/Unlock by Hands Free
- Touch Sensitive Door Sensor
- Lane Change (3 Flashes)
- Wipe Drip
- Answer Back Exterior Light
- Selective Door Unlock
- Lift Steering upone Exit
- Slide Driver Seat Back on Exit
- Reset All Setting to Default

NOTE:
The setting items vary depending on the vehicle specification

AUTO LIGHT ADJUSTMENT SYSTEM

When the light switch is in the 1st or 2nd position, the dimming of the display is judged according to a dimmer signal transmitted from BCM to the display control unit. Display illuminance is independent of vehicle exterior illuminance detected by the auto light detecting sensor even when the light switch is in 1st or 2nd position.

LOG-IN FUNCTION

For details on log-in function, refer to DMS-15, "LOG-IN FUNCTION : System Description".

Bluetooth® COMMUNICATION

Bluetooth® module is integrated in the display control unit, and a cell phone and a portable audio device can be connected by wireless communication using Bluetooth®.

USB COMMUNICATION

Each unit is connected by USB communication and used according to the descriptions in the following table. Map data stored in map SD card is transmitted from NAVI control unit to the display control unit.

Connecting unit	Description
Display control unit ⇔ NAVI control unit	• The NAVI control unit transmits map data to the display control unit. • USB communication is used for operating Navigation.
Display control unit ⇔ AV control unit	Text information (the CD album title, artist name, and song title) is transmitted from AV control unit to display control unit.
Display control unit ⇔ External data input box	Music information stored in the iPod® or USB memory that is connected to external data input box is transmitted from external data input box to display control unit.
NAVI control unit ⇔ External data input box	The external data input box sends map data stored in Map SD card to the NAVI control unit.

AV COMMUNICATION

Display control unit is connected to each unit via AV communication and used according to the descriptions in the following table.

Connecting unit	Description
AV control unit	The display control unit transmits a source switching signal to the AV control unit.
Around view monitor control unit	Camera image switching and setting signal is transmitted and received between display control unit and around view monitor control unit.
Integral switch	Integral switch transmits the operation signals of multifunction switch and integral switch to display control unit.

Connecting unit	Description
Combination meter	Display control unit transmits the information that is displayed on the information display of combination meter to combination meter.
BOSE amp.	Display control unit transmits the BOSE amp. ON signal to BOSE amp.

LVDS

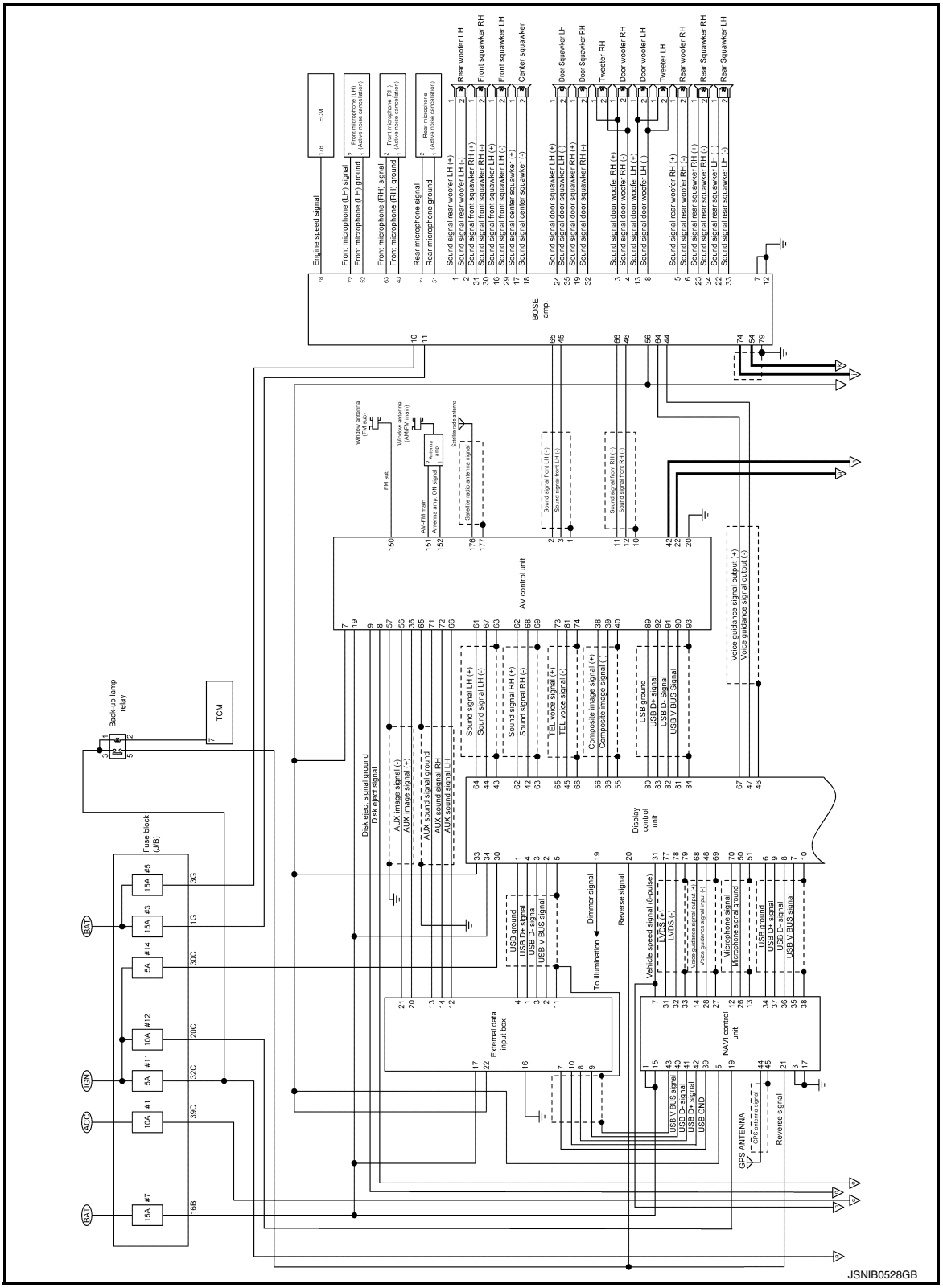
Display control unit is connected to each unit via LVDS and used according to the descriptions in the following table.

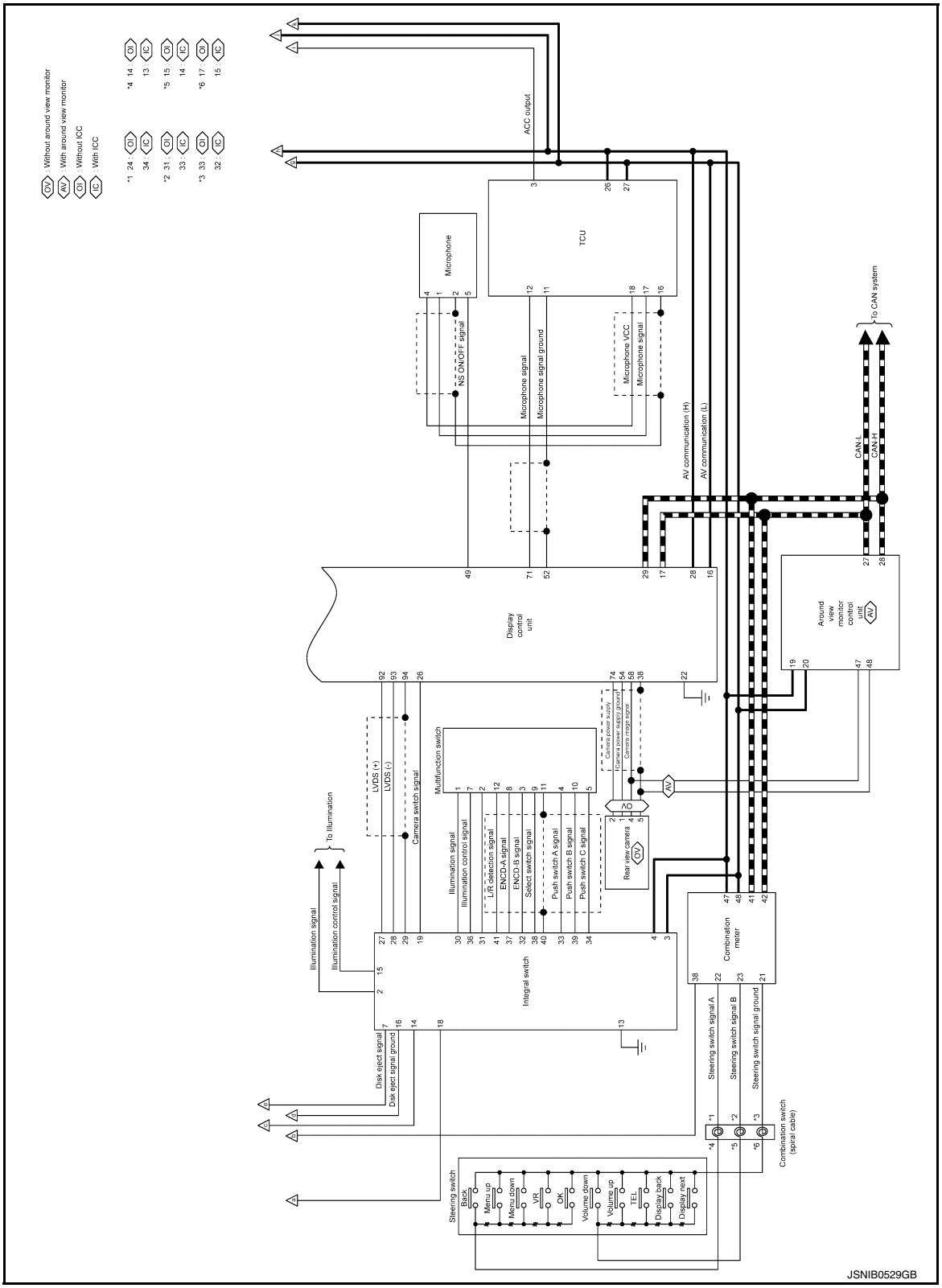
Connecting unit	Description
NAVI control unit	Map image displayed on the NAVI control unit display is output from NAVI control unit to display control unit.
Integral switch	Image displayed on display is output from display control unit to integral switch.

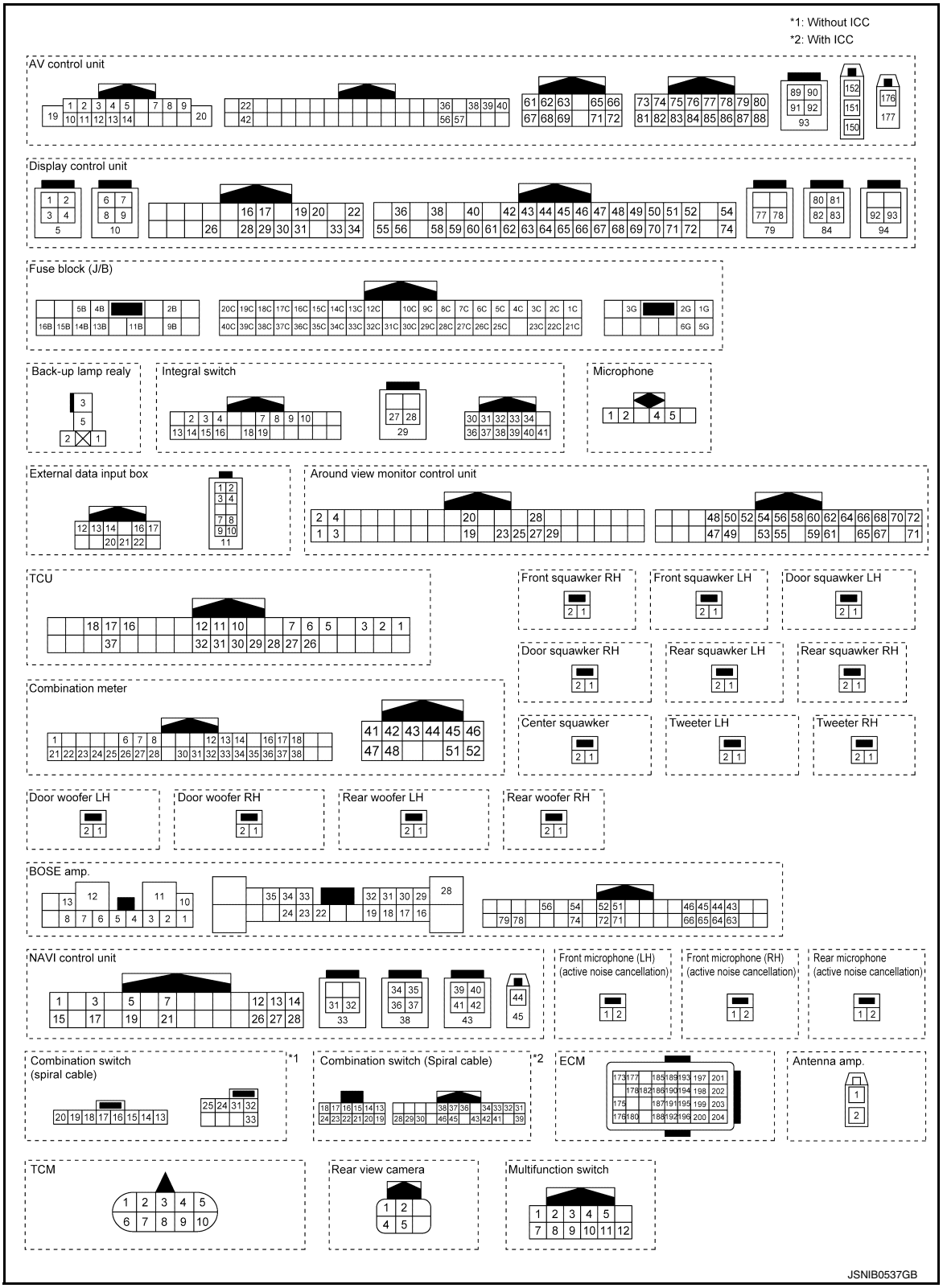
BOSE AUDIO WITH NAVIGATION : Circuit Diagram

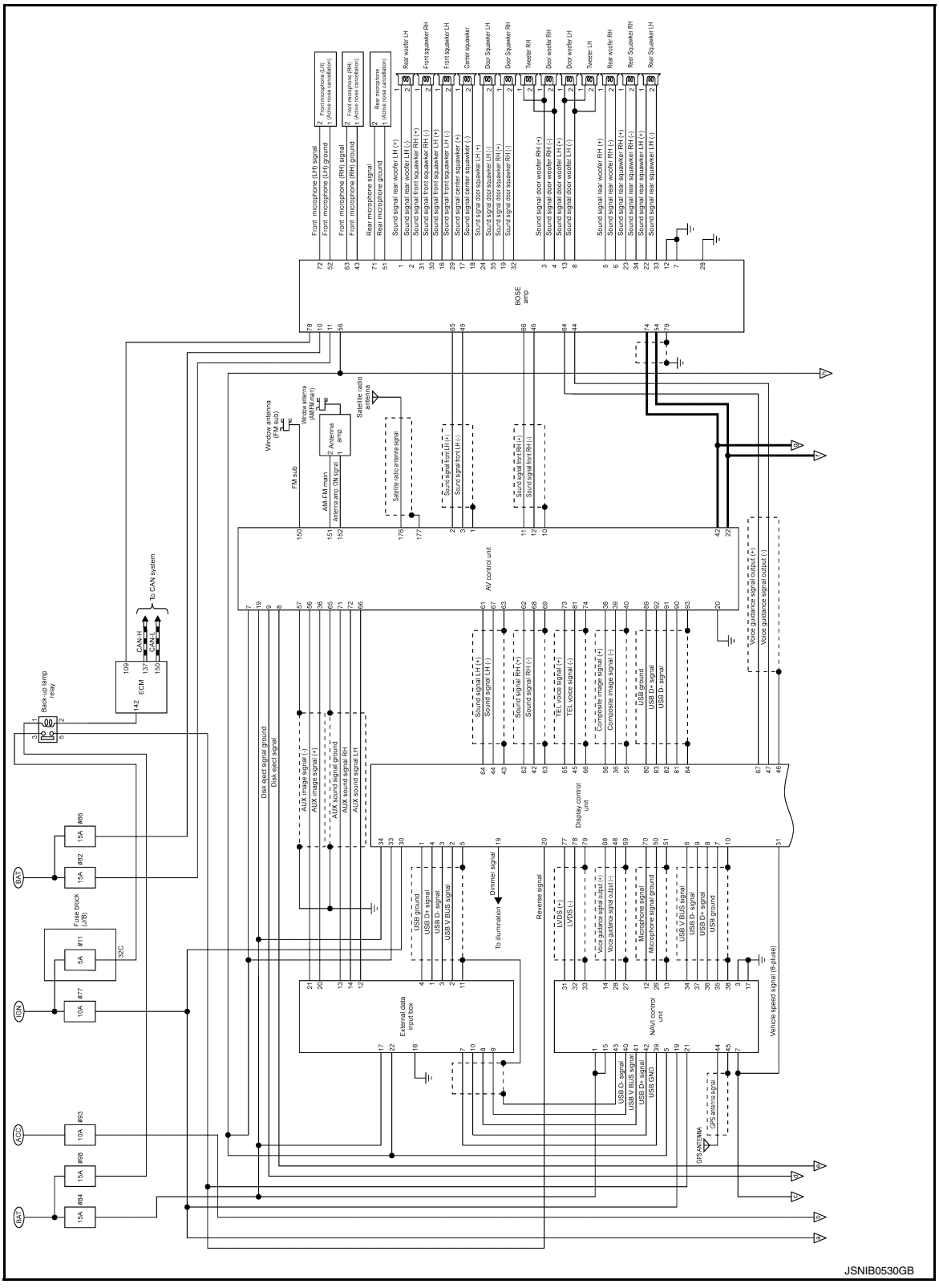
INFOID:0000000013717265

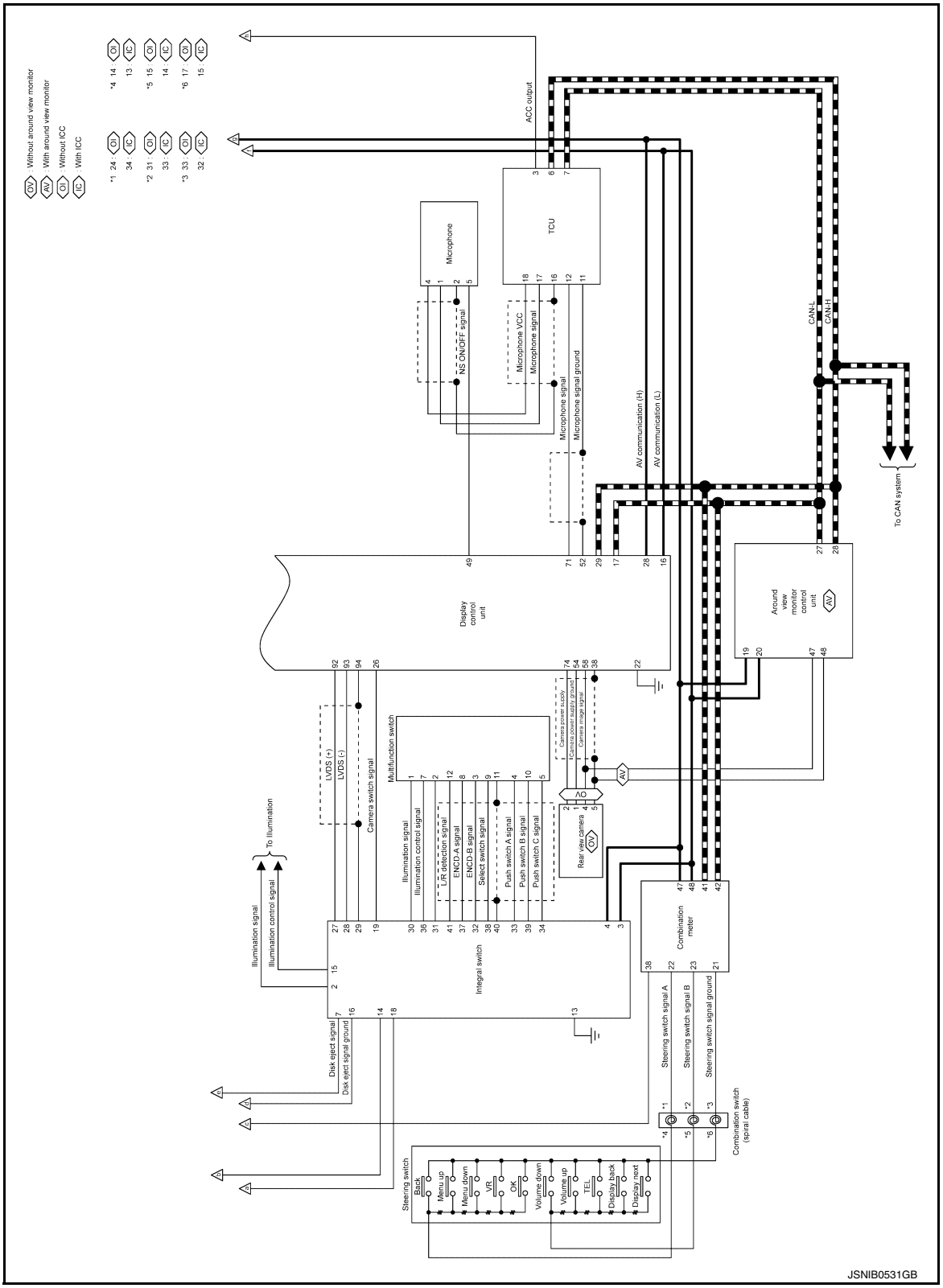
VR30DDTT

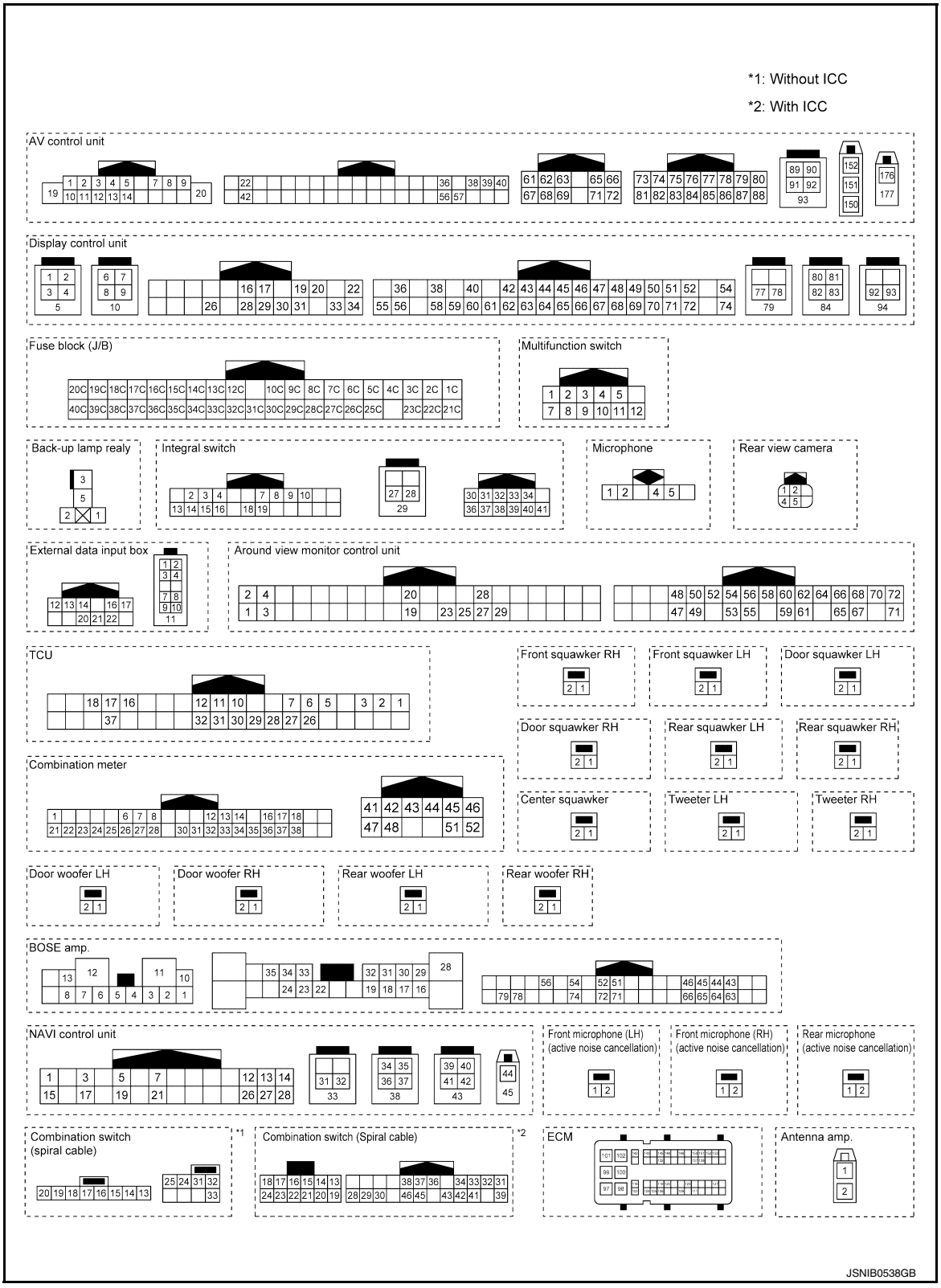



Without around view monitor
With around view monitor
Without ICC
With ICC
ACC output
TCU
Microphone
NS ON/OFF signal
Microphone signal
Microphone signal ground
Microphone VCC
Microphone signal
AV communication (H)
AV communication (L)
CAN-L
CAN-H
To CAN system
Display control unit
Around view monitor control unit
Multifunction switch
Camera power supply
Camera power supply ground
Camera image signal
LVDS (+)
LVDS (-)
Camera switch signal
Illumination signal
Illumination control signal
L/R detection signal
ENCD-A signal
ENCD-B signal
Select switch signal
Push switch A signal
Push switch B signal
Push switch C signal
Rear view camera
To Illumination
Integral switch
Combination meter
Steering switch signal A
Steering switch signal B
Steering switch signal ground
Disk eject signal
Disk eject signal ground
Combination switch (spiral cable)
Steering switch
Back
Menu up
Menu down
VR
OK
Volume down
Volume up
TEL
Display back
Display next
JSNIB0529GB


*1: Without ICC
*2: With ICC
AV control unit
Display control unit
Fuse block (J/B)
Back-up lamp realy
Integral switch
Microphone
External data input box
Around view monitor control unit
TCU
Front squawker RH
Front squawker LH
Door squawker LH
Door squawker RH
Rear squawker LH
Rear squawker RH
Combination meter
Center squawker
Tweeter LH
Tweeter RH
Door woofer LH
Door woofer RH
Rear woofer LH
Rear woofer RH
BOSE amp.
NAVI control unit
Front microphone (LH) (active noise cancellation)
Front microphone (RH) (active noise cancellation)
Rear microphone (active noise cancellation)
Combination switch (spiral cable)
*1
Combination switch (Spiral cable)
*2
ECM
Antenna amp.
TCM
Rear view camera
Multifunction switch
JSNIB0537GB


JSNIB0530GB


Without around view monitor
With around view monitor
Without ICC
With ICC
ACC output
Microphone
TCU
NS ON/OFF signal
Microphone VCC
Microphone signal
Microphone signal ground
CAN-L
CAN-H
AV communication (H)
AV communication (L)
To CAN system
Display control unit
Around view monitor control unit
LVDS (+)
LVDS (-)
Camera switch signal
Camera power supply
Camera power supply ground
Camera image signal
Multifunction switch
Illumination signal
Illumination control signal
L/R detection signal
ENCD-A signal
ENCD-B signal
Select switch signal
Push switch A signal
Push switch B signal
Push switch C signal
Rear view camera
To Illumination
Integral switch
Combination meter
Disk eject signal
Disk eject signal ground
Steering switch signal A
Steering switch signal B
Steering switch signal ground
Combination switch (spiral cable)
Steering switch
Back
Menu up
Menu down
VR
OK
Volume down
Volume up
TEL
Display back
Display next
JSNIB0531GB



BOSE AUDIO WITH NAVIGATION : Fail-Safe (Display Control Unit)

INFOID:0000000014001544

If a malfunction occurs in the Infiniti InTouch, display control unit performs fail-safe activation according to the detected malfunction.

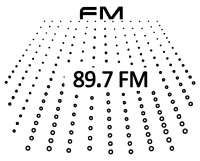
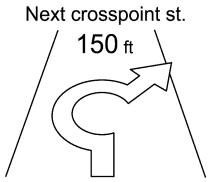
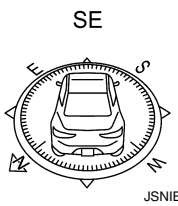
Detection item	Infiniti InTouch operation in fail-safe mode	DTC
Engine speed signal	Active noise cancellation system and active sound enhancement system function are deactivated.	B1F01
Front microphone (LH)	Active noise cancellation function is deactivated.	B1F0B B1F0C B1F0D B1F0E
Front microphone (RH)	Active noise cancellation function is deactivated.	B1F10 B1F11 B1F12 B1F13
Rear microphone	Active noise cancellation function is deactivated.	B1F15 B1F16 B1F17 B1F18
CAN communication	The system using the CAN communication signal from control unit which cannot communicate does not function.	U1000
	The system using the CAN communication signal does not function.	U1010
Display control unit	• Display is not displayed. • Display control unit restart. • Display control unit freezes. **NOTE:** Symptom other than an item may occur.	U121F
Configuration	A function of display control unit becomes mismatched with a vehicle specification and destination.	U1223
BOSE amp.	BOSE system does not function.	U1231
Steering angle sensor	Predictive course line is not displayed.	U1232
NAVI control unit	• Map is not displayed. • Navigation screen does not operate. **NOTE:** Symptom other than an item may occur.	U1233
AV control unit	• Sound is not output by a speaker. • CD is not played. • Radio does not operate. **NOTE:** Symptom other than an item may occur.	U1234
GPS antenna	The vehicle positions of a navigation screen differ.	U1244

Detection item	Infiniti InTouch operation in fail-safe mode		DTC
AV communication	AV control unit	• Sound is not output by a speaker. • CD is not played. • Radio does not operate. **NOTE:** Symptom other than an item may occur.	U1249
	BOSE amp.	Sound is not output by a speaker.	U124E
	Integral switch	• Integral switch display is not displayed. • Switch operation does not operate. • Touch panel operation does not operate. **NOTE:** Symptom other than an item may occur.	U1259
	Around view monitor control unit	Camera image is not displayed.	U125B
	Combination meter	• Audio information is not displayed by the information display in the combination meter. • Navigation indicator is not displayed by the information display in the combination meter. • Steering switch does not operate.	U1267
	Display control unit	The system of ECU which detected abnormalities does not operate.	U1300
		The system which is using AV communication does not operate.	U1310
Satellite radio antenna	Satellite radio is not received.		U1258
USB communication	NAVI control unit	A navigation menu cannot be selected (hatching display).	U125D
	TCU	Telematics system does not function.	U1266
	External data input box	Audio equipment which connected to USB does not operate.	U12B7
Rear view camera	Rear camera image is not displayed.		U12B8
Multifunction switch	Multifunction switch operation does not operate.		U12BA
Radio antenna	Radio is not received.		U12BE
Speaker/squawker/tweeter/woofer	With BOSE system		
	Door woofer	No sound from door woofer LH or RH.	U1601 U1609
	Door squawker	No sound from door squawker LH or RH.	U1602 U160A
	Tweeter	No sound from tweeter LH or RH.	U1603 U160B
	Front squawker	No sound from front squawker LH or RH.	U1626 U162E
	Center squawker	No sound from center squawker.	U162A
	Rear squawker	No sound from rear squawker LH or RH.	U1716 U171E
	Rear woofer	No sound from rear woofer LH or RH.	U1721 U1729
	Without BOSE system		
	Door speaker	No sound from door speaker LH or RH.	U1600 U1608
	Rear speaker	No sound from rear speaker LH or RH.	U1720 U1728

INFORMATION DISPLAY (COMBINATION METER)

INFORMATION DISPLAY (COMBINATION METER) : Display/Information

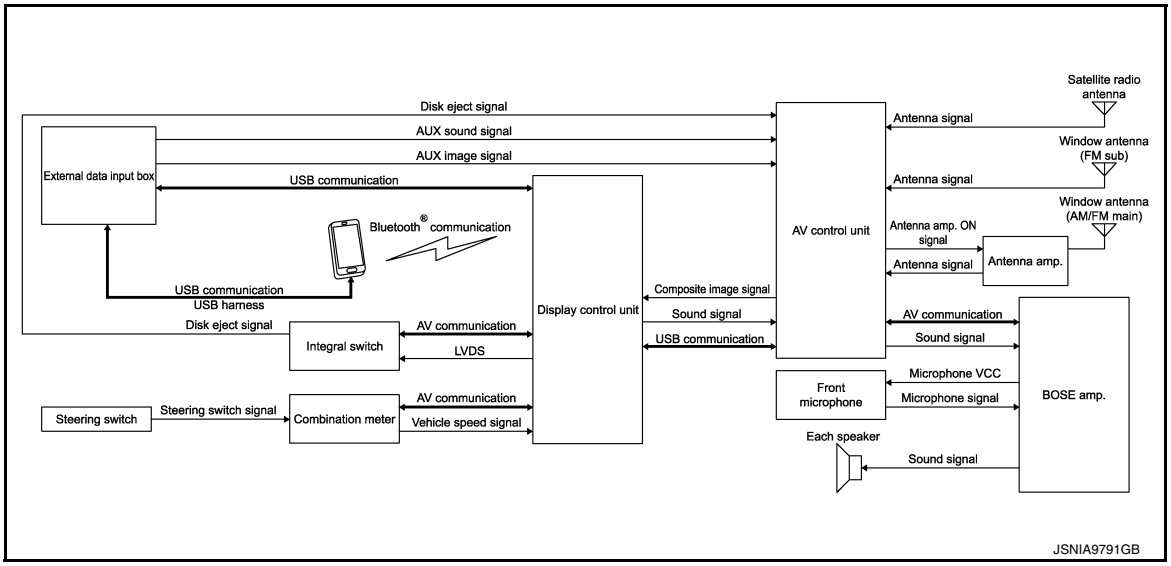
INFOID:0000000013992301

Name	Design	Description
Audio indicator	 JSNIB0409ZZ	Display a state of the audio system to an information display. • Display control unit transmits a meter display signal to a combination meter via AV communication. • The combination meter which received a signal displays a state of the audio system to an information display.
Navigation indicator	 JSNIB0458ZZ	In a route guide, display the distance to the lines of intersections and the next turning point to an information display by an icon. • Display control unit transmits a meter display signal to a combination meter via AV communication. • The combination meter which received a signal displays a state of the navigation to an information display. **NOTE:** When a destination is not set, display compasses (progress direction of the vehicle).
Compass	 JSNIB0408ZZ	
TEL indicator	JSNIB0514ZZ	During hands-free phone connection, display an icon in an information display and inform the state of the hands-free phone such as the incoming call. • When there is incoming call, display control unit transmits a meter display signal to a combination meter via AV communication during hands-free phone connection. • The combination meter which received a signal displays an icon of the incoming call to an information display.
SMS indicator	JSNIB0513ZZ	During hands-free phone connection, display an icon in an information display and inform the state of the hands-free phone such as the incoming mail. • When there is incoming mail, display control unit transmits a meter display signal to a combination meter via AV communication during hands-free phone connection. • The combination meter which received a signal displays an icon of the incoming mail to an information display.
Voice recognition indicator	JSNIB0515ZZ	During voice recognition function operation, display an icon in an information display and inform a voice recognition function operates. • When VR switch of steering switch is pushed, display control unit transmits a meter display signal to a combination meter via AV communication. • The combination meter which received a signal displays a voice recognition operation indication icon to an information display.

AUDIO SYSTEM
WITH BOSE SYSTEM
WITH BOSE SYSTEM : System Description

INFOID:0000000013717267

SYSTEM DIAGRAM



DESCRIPTION

Refer to Owner's Manual for audio system operating instructions.

- Audio system consists of the following functions.

Function
Radio
CD
USB connection
AUX
Bluetooth® audio
BOSE® Centerpoint®
BOSE® AudioPilot®
Audio indicator

- Audio system is controlled by display control unit, AV control unit, and BOSE amp.
- Audio system can be operated with steering switch and integral switch.

RADIO

AM/FM Radio

- Radio signal for AM/FM radio is received by the antenna line printed on rear window.
- There are main and sub lines for the print of antenna line. Main is used for AM and FM, and sub is used for FM.

  NOTE:

  For FM radio with FM diversity function, AV control unit selects from main or sub the antenna that receives the higher signal strength.
- Antenna amp. is connected to the main antenna line, which receives the antenna amp. ON signal from the AV control unit and transmits the antenna signal to the AV control unit after amplifying the signal received from the AM and FM antennas.
- AV control unit transmits the sound signal to the BOSE amp when the antenna signal is received from the window antenna (main or sub).
- BOSE amp. transmits the sound signal received from AV control unit to each speaker.

Satellite Radio
- Satellite radio tuner is built into AV control unit.
- Sound signal (satellite radio) is received by satellite radio antenna and is transmitted to AV control unit. AV control unit outputs sound signal to BOSE amp. The signal is also outputted from BOSE amp. to each speaker.

CD

AV control unit integrates the mechanism for reading the data stored in CD.

Music playback
- When AV control unit reads the music data from CD, it transmits the sound signal to BOSE amp.
- BOSE amp. transmits the sound signal received from AV control unit to each speaker.

Display of artist, album and song title
- When AV control unit reads the text data from CD, it transmits text information to the display control unit via USB communication.
- Display control unit displays the text data (artist, album, and song title) that is received from the AV control unit.

NOTE:
For the types of disc and music data format available for replay, refer to AV-26, "AV Control Unit".

USB CONNECTION

- USB port is located in the external data input box.
- When iPod® or USB memory is connected to the USB port, the external data input box transmits the music data and text data in iPod® or USB memory device to the display control unit via USB communication.
- When display control unit receives the music data from the external data input box, it transmits the sound signal to the AV control unit.
- When AV control unit transmits the sound signal from the display control unit, it transmits the sound signal to BOSE amp.
- BOSE amp. transmits the sound signal received from AV control unit to each speaker.
- When display control unit receives the text data from external data input box, it displays the text data (artist, album, and song title) on the display.

AUX

- Auxiliary input jacks are located in the external data input box.
- Auxiliary input jacks consist of the image input terminal and sound input terminal.
- When image data from outside is input into the image input terminal, the external data input box transmits the AUX image signal to AV control unit.
- When AV control unit received the AUX image signal, it transmits the composite image signal to the display control unit.
- When display control unit receives the composite image signal, it displays the image on the display.
- When sound data is input into the sound input terminal, the external data input box transmits the AUX sound signal to the AV control unit.
- When AV control unit receives the AUX sound signal, it transmits the sound signal to BOSE amp.
- BOSE amp. transmits the sound signal received from AV control unit to each speaker.

Bluetooth® AUDIO

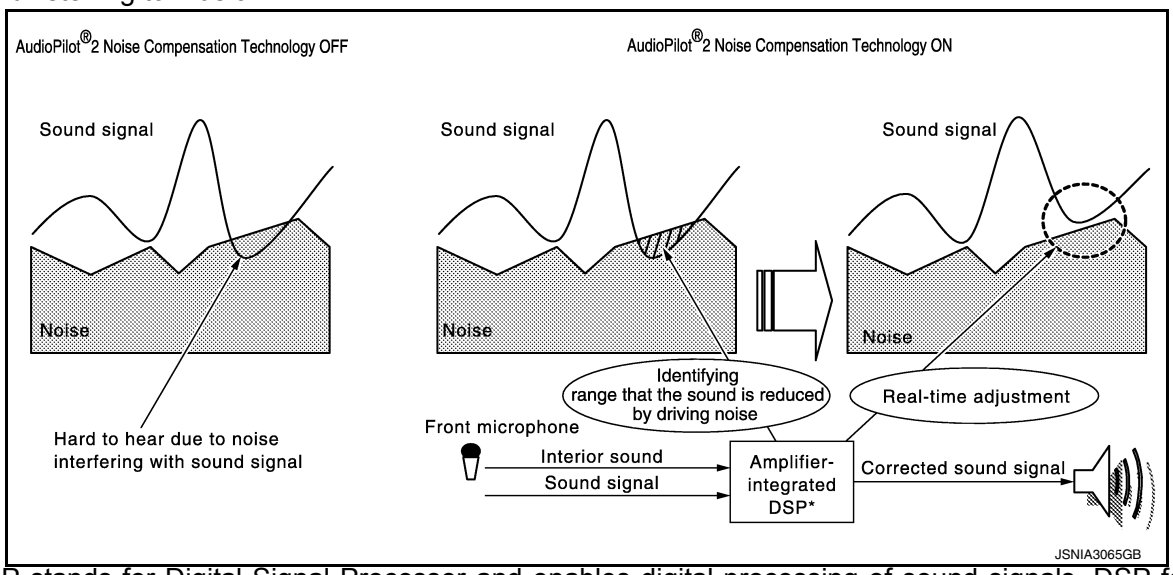
- Bluetooth® module is integrated in the display control unit.
- Music data, artist, album, and song title in a portable audio device can be played/displayed via Bluetooth® communication.
- When display control unit receives the music data from a portable audio device via Bluetooth® communication, it transmits the sound signal to AV control unit.
- When AV control unit transmits the sound signal from the display control unit, it transmits the sound signal to BOSE amp.
- BOSE amp. transmits the sound signal received from AV control unit to each speaker.
- When display control unit receives the text data from a portable audio device via Bluetooth® communication, it displays the text data (artist, album, and song title) on the display.
- For further information about Bluetooth® compliant profile, refer to AV-26, "AV Control Unit".

BOSE® Centerpoint®

- BOSE® Centerpoint® provides a surround-sound effect, based on a stereo sound source, such as CD, MP3, WMA, and AAC.
- The BOSE amp. receives a BOSE® Centerpoint® ON signal from display control unit during a stereophonic sound playback and divides the sound among five channels to add a sense of simulated surround playback sound.

BOSE® AudioPilot® Noise Compensation Technology

- BOSE® AudioPilot® continuously corrects audio signals to compensate for background noise.
- BOSE® AudioPilot® noise compensation technology is a sound improving system that picks up by a front microphone any noises or the sound of music coming into the vehicle, and that uses the BOSE amp. to revise the frequency feature of music in real time in response to the frequency feature of the noise while driving and listening to music.



*: DSP stands for Digital Signal Processor and enables digital processing of sound signals. DSP features precise signal processing and calculation with the digital technology on a small scale that analog methods find it difficult to process and calculate.

AUDIO INDICATOR

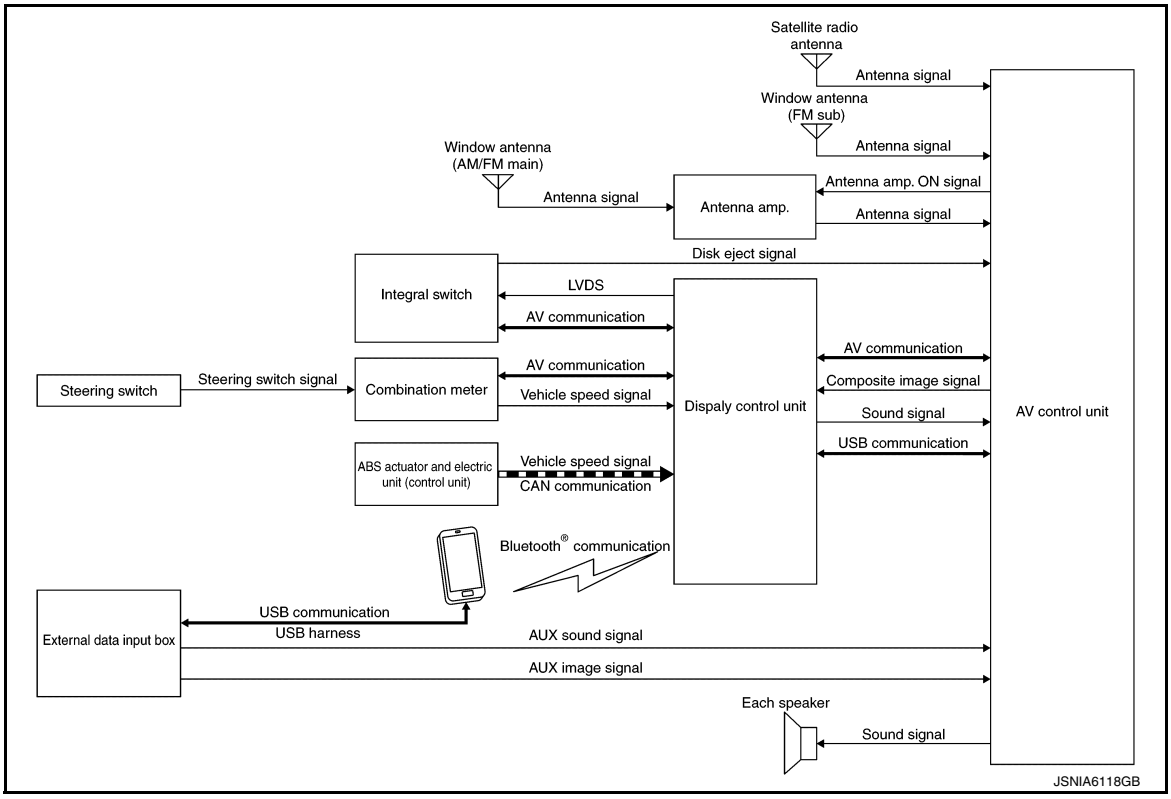
- The AV control unit sends the status of audio to the display control unit via AV communication.
- The display control unit transmits the meter display signal as the audio status to the combination meter via AV communication.
- When combination meter receives the meter display signal, the audio status is displayed on the information display in combination meter. Refer to AV-70, "INFORMATION DISPLAY (COMBINATION METER) : Display/Information".

WITHOUT BOSE SYSTEM

WITHOUT BOSE SYSTEM : System Description

INFOID:0000000013717268

SYSTEM DIAGRAM



Display Control Unit Input Signal (CAN Communication)

Transmit unit	Signal name
ABS actuator and electric unit (control unit)	Vehicle speed signal

DESCRIPTION

Refer to Owner's Manual for audio system operating instructions.

- Audio system consists of the following functions.

Function
Radio
CD
USB connection
AUX
Bluetooth® audio
Speed Sensitive Volume
Audio indicator

- Audio system is controlled by display control unit and AV control unit.
- Audio system can be operated with steering switch and integral switch.

RADIO

AM/FM radio

- Radio signal for AM/FM radio is received by the antenna line printed on rear window.
- There are main and sub lines for the print of antenna line. Main is used for AM and FM, and sub is used for FM.

NOTE:

For FM radio with FM diversity function, AV control unit selects from main or sub the antenna that receives the higher signal strength.
- Antenna amp. is connected to the main antenna line, which receives the antenna amp. ON signal from the AV control unit, and transmits the antenna signal to the AV control unit after amplifying the AM or FM radio signal.
- AV control unit transmits the sound signal to the each speaker when the antenna signal is received from the window antenna (main or sub).

Satellite Radio
- Satellite radio tuner is built into AV control unit.
- Sound signal (satellite radio) is received by satellite radio antenna and is transmitted to AV control unit. AV control unit outputs sound signal to each speaker.

CD

AV control unit integrates the mechanism for reading the data stored in CD.

Music playback
- When AV control unit reads the music data from CD, it transmits the sound signal to each speaker.

Display of artist, album and song title
- When AV control unit reads the text data from CD, it transmits text information to the display control unit via USB communication.
- Display control unit displays the text data (artist, album, and song title) that is received from the AV control unit.

NOTE:
For the types of disc and music data format available for replay, refer to AV-26, "AV Control Unit".

USB CONNECTION

- USB port is located in the external data input box.
- When iPod® or USB memory is connected to the USB port, the external data input box transmits the music data and text data in iPod® or USB memory device to the display control unit via USB communication.
- When display control unit receives the music data from the external data input box, it transmits the sound signal to the AV control unit.
- When AV control unit transmits the sound signal from the display control unit, it transmits the sound signal to each speaker.
- When display control unit receives the text data from external data input box, it displays the text data (artist, album, and song title) on the display.

AUX

- Auxiliary input jacks are located in the external data input box.
- Auxiliary input jacks consist of the image input terminal and sound input terminal.
- When image data from outside is input into the image input terminal, the external data input box transmits the AUX image signal to AV control unit.
- When AV control unit received the AUX image signal, it transmits the composite image signal to the display control unit.
- When display control unit receives the composite image signal, it displays the image on the display.
- When sound data is input into the sound input terminal, the external data input box transmits the AUX sound signal to the AV control unit.
- When AV control unit receives the AUX sound signal, it transmits the sound signal to each speaker.

Bluetooth® AUDIO

- Bluetooth® module is integrated in the display control unit.
- Music data, artist, album, and song title in a portable audio device can be played/displayed via Bluetooth® communication.
- When display control unit receives the music data from a portable audio device via Bluetooth® communication, it transmits the sound signal to AV control unit.
- When AV control unit transmits the sound signal from the display control unit, it transmits the sound signal to each speaker.
- When display control unit receives the text data from a portable audio device via Bluetooth® communication, it displays the text data (artist, album, and song title) on the display.
- For further information about Bluetooth® compliant profile, refer to AV-26, "AV Control Unit".

SPEED SENSITIVE VOLUME

- Display control unit receives the vehicle speed signal from ABS actuator and electric unit (control unit) via CAN communication and transmits the vehicle speed signal to AV control unit via AV communication.
- AV control unit determines the volume level according to the vehicle speed signal received from display control unit, and transmits the sound signal to each speaker.
- The display control unit receives the vehicle speed signal from the combination meter and changes the sound volume in conjunction with the vehicle speed.
- The control level can be selected by the customer.

AUDIO INDICATOR

- The AV control unit sends the status of audio to the display control unit via AV communication.
- The display control unit transmits the meter display signal as the audio status to the combination meter via AV communication.
- When combination meter receives the meter display signal, the audio status is displayed on the information display in combination meter. Refer to AV-70, "INFORMATION DISPLAY (COMBINATION METER) : Display/Information".

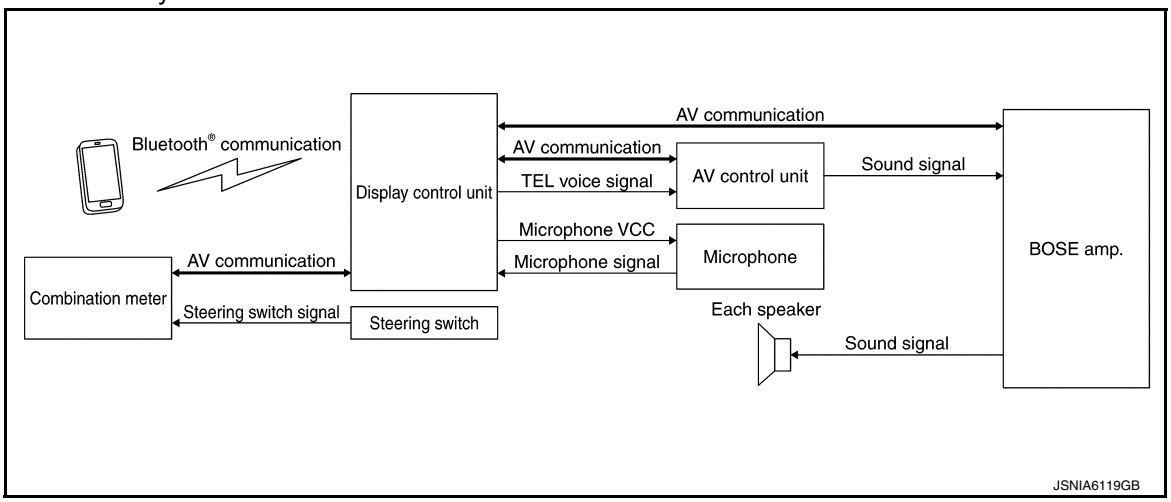
HANDS-FREE PHONE SYSTEM
WITH BOSE SYSTEM

WITH BOSE SYSTEM : System Description

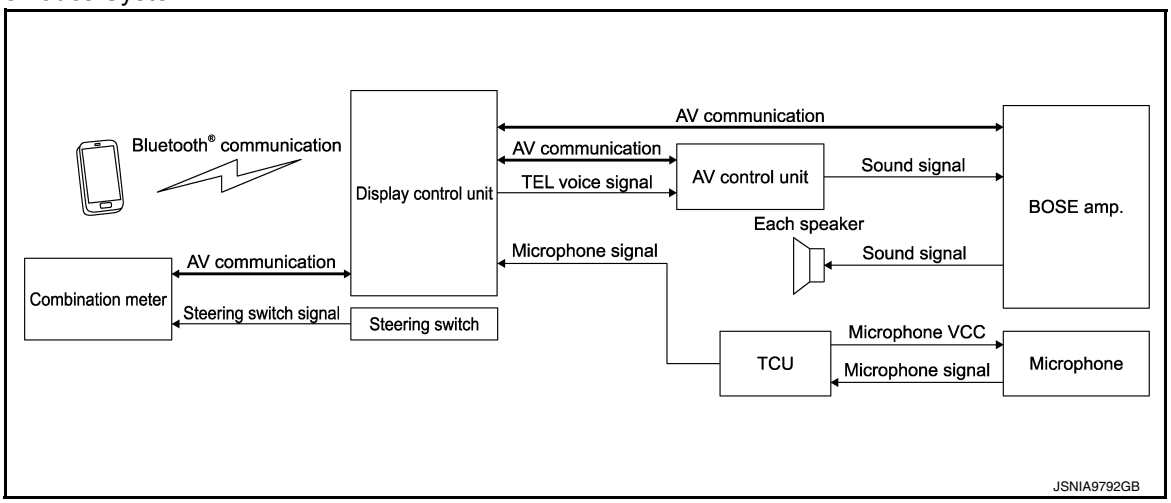
INFOID:0000000013717269

SYSTEM DIAGRAM

Without Telematics System



With Telematics System



DESCRIPTION

- Refer to Owner's Manual for hands-free phone system operating instructions.
- For further information about Bluetooth® compliant profile, refer to AV-25, "Display Control Unit".
- Simply operating the steering switch without releasing hands from the steering wheel allows the driver to receive a phone call.
- When a Bluetooth® communication compliant phone is registered to the display control unit, hands-free phone communication can be performed. Five units of Bluetooth® communication devices including audio devices and cellular phones can be registered to the display control unit.
- The content of the memory (telephone book) of the cellular phone can be recorded in the display control unit.

When Receiving a Call

- When display control unit receives the voice of the other party from a cell phone via Bluetooth® communication, it transmits the TEL voice signal to AV control unit.
- When AV control unit transmits the TEL voice signal, it transmits the sound signal to BOSE amp.
- BOSE amp. transmits the sound signal received from AV control unit to each speaker.

When a Call Is Originated

- When display control unit receives the microphone signal from microphone, it transmits the sound signal to a cell phone via Bluetooth® communication. (without telematics system)
- When display control unit receives the microphone signal from microphone via TCU, it transmits the sound signal to a cell phone via Bluetooth® communication. (with telematics system)

HANDS-FREE PHONE INDICATOR

- When a cell phone that is connected with the display control unit via Bluetooth® communication receives a phone call, the incoming call is displayed on the information display in combination meter. Refer to AV-70, "INFORMATION DISPLAY (COMBINATION METER) : Display/Information".
- When display control unit recognizes an incoming call from a cell phone via Bluetooth® communication, it transmits the meter display signal to combination meter via AV communication.
- When combination meter receives the meter display signal, it displays the incoming call of cell phone on information display.
- When an incoming call is received, the driver can operate the steering switch to answer the phone.
- When steering switch is operated, the combination meter receives the steering switch signal, and then combination meter transmits the steering switch signal to the display control unit via AV communication.
- When display control unit receives the steering switch signal, it activates the hands-free phone.

SMS INDICATOR

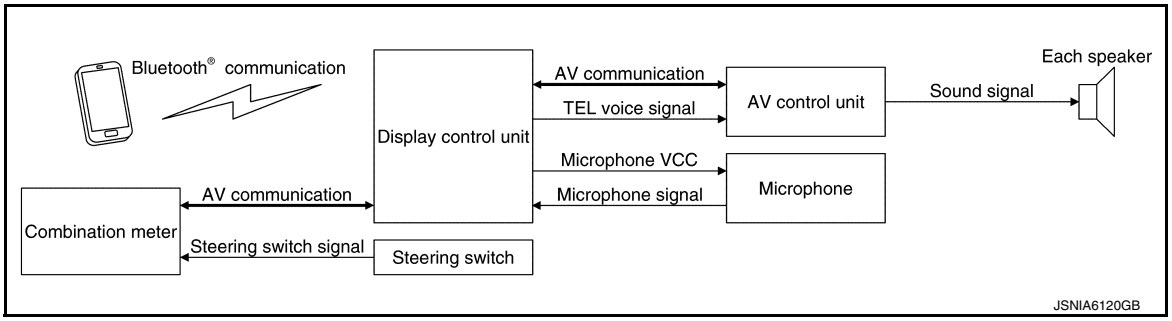
- When a cell phone that is connected with the display control unit via Bluetooth® communication receives an SMS, the incoming SMS is displayed on the information display located in combination meter. Refer to AV-70, "INFORMATION DISPLAY (COMBINATION METER) : Display/Information".
- The display control unit transmits an SMS signal to the combination meter via AV communication when receiving SMS from a cellular phone via Bluetooth® communication.
- The combination meter indicates the reception of SMS on the information display when receiving an SMS signal.
- When an SMS is received, the SMS can be confirmed by operating the steering switch.
- When steering switch is operated, the combination meter receives the steering switch signal, and then combination meter transmits the steering switch signal to the display control unit via AV communication.
- When display control unit receives the steering switch signal, it transmits the SMS signal to combination meter via AV communication.
- When combination meter receives the SMS signal, it displays SMS on information display.

WITHOUT BOSE SYSTEM

WITHOUT BOSE SYSTEM : System Description

INFOID:0000000013717270

SYSTEM DIAGRAM



DESCRIPTION

- Refer to Owner's Manual for hands-free phone system operating instructions.
- For further information about Bluetooth® compliant profile, refer to AV-25, "Display Control Unit".
- Simply operating the steering switch without releasing hands from the steering wheel allows the driver to receive a phone call.
- When a Bluetooth® communication compliant phone is registered to the display control unit, hands-free phone communication can be performed. Five units of Bluetooth® communication devices including audio devices and cellular phones can be registered to the display control unit.
- The content of the memory (telephone book) of the cellular phone can be recorded in the display control unit.

When Receiving a Call

- When display control unit receives the voice of the other party from a cell phone via Bluetooth® communication, it transmits the TEL voice signal to AV control unit.
- When AV control unit transmits the TEL voice signal, it received the sound signal to each speaker.

When a Call Is Originated

When display control unit receives the microphone signal from microphone, it transmits the sound signal to a cell phone via Bluetooth® communication.

HANDS-FREE PHONE INDICATOR

- When a cell phone that is connected with the display control unit via Bluetooth® communication receives a phone call, the incoming call is displayed on the information display in combination meter. Refer to AV-70, "INFORMATION DISPLAY (COMBINATION METER) : Display/Information".
- When display control unit recognizes an incoming call from a cell phone via Bluetooth® communication, it transmits the meter display signal to combination meter via AV communication.
- When combination meter receives the meter display signal, it displays the incoming call of cell phone on information display.
- When an incoming call is received, the driver can operate the steering switch to answer the phone.
- When steering switch is operated, the combination meter receives the steering switch signal, and then combination meter transmits the steering switch signal to the display control unit via AV communication.
- When display control unit receives the steering switch signal, it activates the hands-free phone.

SMS INDICATOR

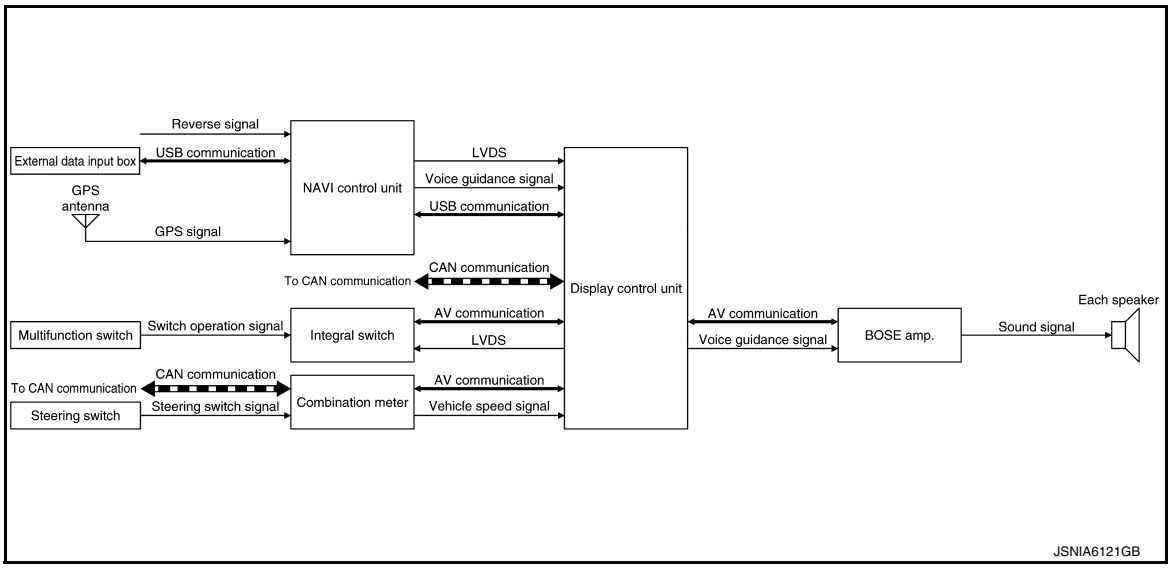
- When a cell phone that is connected with the display control unit via Bluetooth® communication receives an SMS, the incoming SMS is displayed on the information display located in combination meter. Refer to AV-70, "INFORMATION DISPLAY (COMBINATION METER) : Display/Information".
- The display control unit transmits an SMS signal to the combination meter via AV communication when receiving SMS from a cellular phone via Bluetooth® communication.
- The combination meter indicates the reception of SMS on the information display when receiving an SMS signal.
- When an SMS is received, the SMS can be confirmed by operating the steering switch.
- When steering switch is operated, the combination meter receives the steering switch signal, and then combination meter transmits the steering switch signal to the display control unit via AV communication.
- When display control unit receives the steering switch signal, it transmits the SMS signal to combination meter via AV communication.
- When combination meter receives the SMS signal, it displays SMS on information display.

NAVIGATION SYSTEM

System Description

INFOID:0000000013717271

SYSTEM DIAGRAM



Display Control Unit Input Signal (CAN Communication)

Transmit unit	Signal name
Combination meter	Parking brake switch signal
ECM (2.0L turbo gasoline engine)	Shift position signal (Reverse signal)
TCM (VR30DDTT)	

DESCRIPTION

- Refer to Owner's Manual for navigation system operating instructions.
- Navigation system can be operated with the integral switch, multifunction switch, and display control unit.
- Guidance voice is output from the NAVI control unit, via display control unit and BOSE amp., to the front speaker.
- NAVI control unit calculates the vehicle location based on the signals from GYRO (angle speed sensor), vehicle sensor, and GPS satellite, as well as the map data from map SD card. It is displayed on display of the display control unit.

POSITION DETECTION PRINCIPLE

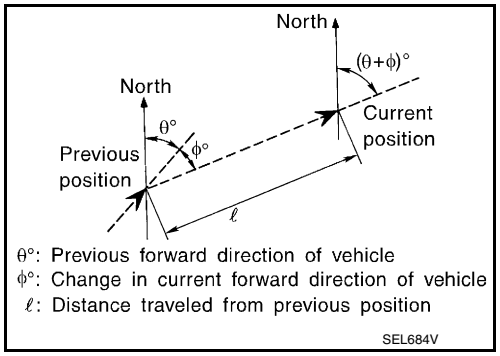
The navigation system periodically calculates the vehicle's current position according to the following three signals:

- Travel distance of the vehicle as determined by the vehicle speed sensor.
- Turning angle of the vehicle as determined by the gyroscope (angular velocity sensor).
- Direction of vehicle travel as determined by the GPS antenna (GPS information).

The current position of the vehicle is then identified by comparing the calculated vehicle position with map data read from the map SD card (map-matching), and indicated on the screen as a vehicle mark. More accurate data is judged and used by comparing vehicle position detection results found by the GPS with the result by map-matching.

The current vehicle position will be calculated by detecting the distance the vehicle moved from the previous calculation point and its direction.

- Travel distance
  Travel distance calculations are based on the vehicle speed sensor input signal. Therefore, the calculation may become incorrect as the tires wear down. To prevent this, an automatic distance correction function has been adopted.
- Travel direction
  Change in the travel direction of the vehicle is calculated by a gyroscope (angular velocity sensor) and a GPS antenna (GPS information). They have both advantages and disadvantages.



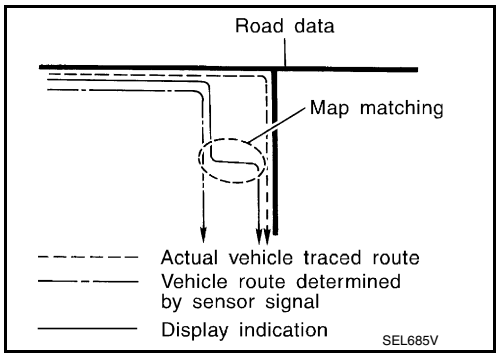
Type	Advantage	Disadvantage
Gyroscope (angular velocity sensor)	Can detect the vehicle's turning angle quite accurately.	Direction errors may accumulate when vehicle is driven for long distances without stopping.
GPS antenna (GPS information)	Can detect the vehicle's travel direction (North/South/East/West).	Correct direction cannot be detected when vehicle speed is low.

More accurate traveling direction is detected because priorities are set for the signals from these two devices according to the situation.

MAP-MATCHING

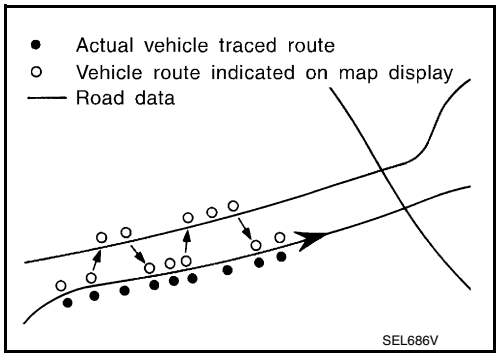
Map-matching compares a current location detected by the method in the “Location Detection Principle” with a road map data from map SD card.

NOTE:
The road map data is based on data stored in the map SD card.

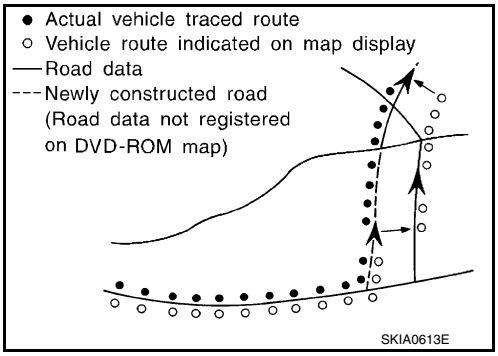


The vehicle position may not be corrected under the following circumstances and after driving for a certain time when GPS information is difficult to receive.

- In map-matching, alternative routes to reach the destination will be shown and prioritized, after the road on which the vehicle is currently driven has been judged and the vehicle mark has been repositioned.
  Alternative routes will be shown in different order of priority, and the incorrect road can be avoided if there is an error in distance and/or direction.
  They are of the same priority if two roads are running in parallel. Therefore, the vehicle mark may appear on either of them alternately, depending on maneuvering of the steering wheel and configuration of the road.

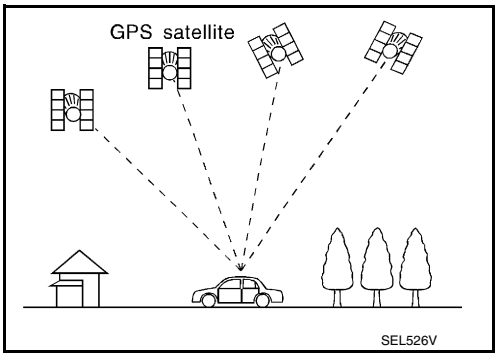


- Map-matching does not function correctly when a road on which the vehicle is driving is new and not recorded in the map SD card, or when road pattern stored in the map data and the actual road pattern are different due to repair.
  The map-matching function may find another road and position the vehicle mark on it when driving on a road not present in the map. Then, the vehicle mark may change to it when the correct road is detected.
- Effective range for comparing the vehicle position and travel direction calculated by the distance and direction with the road data read from the map SD card is limited. Therefore, correction by map-matching is not possible when there is an excessive gap between current vehicle position and the position on the map.



GPS (GLOBAL POSITIONING SYSTEM)

GPS (Global Positioning System) is developed for and is controlled by the US Department of Defense. The system utilizes GPS satellites (NAVSTAR), transmitting out radio waves while flying on an orbit around the earth at an altitude of approximately 21,000 km (13,049 mile).
The receiver calculates the travel position in three dimensions (latitude/longitude/altitude) according to the time lag of the radio waves that four or more GPS satellites transmit (three-dimensional positioning). The GPS receiver calculates the travel position in two dimensions (latitude/longitude) with the previous altitude data if the GPS receiver receives only three radio waves (two-dimensional positioning). GPS position correction is not performed while stopping the vehicle.



Accuracy of the GPS will deteriorate under the following conditions:
- In two-dimensional positioning, GPS accuracy will deteriorate when altitude of the vehicle position changes.
- The position of GPS satellite affects GPS detection precision. The position detection may not be precisely performed.
- The position detection is not performed if GPS receiver does not receive radio waves from GPS satellites. (Inside a tunnel, parking in a building, under an elevated highway etc.) GPS receiver may not receive radio waves from GPS satellites if any object is placed on the GPS antenna.

NOTE:
- The detection result has an error of approximately 10 m (32.81 ft) even with a high-precision three dimensional positioning.
- There may be cases when the accuracy is lowered and radio waves are stopped intentionally because the GPS satellite signal is controlled by the US trace control center.

NAVIGATION INDICATOR

- When the navigation system is ON, the display control unit transmits a meter display signal to the combination meter via AV communication.
- The combination meter displays a navigation status on the combination meter (in the information display) when receiving a navigation indicator signal. Refer to AV-70, "INFORMATION DISPLAY (COMBINATION METER) : Display/Information".

COMPASS

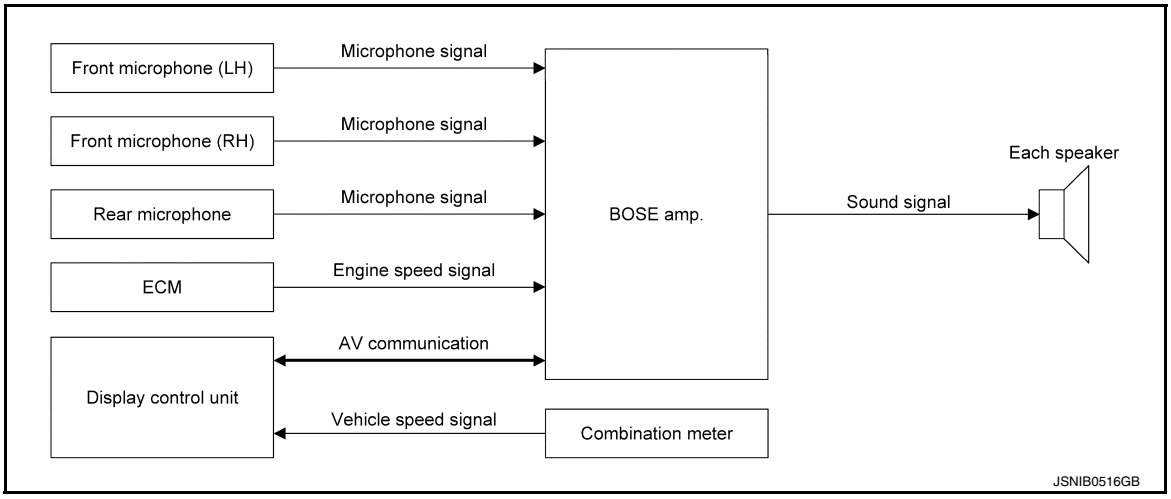
- NAVI control unit acquires direction information from GPS antenna, and transmits it to the display control unit via USB communication.
- Display control unit transmits direction information which is acquired from NAVI control unit to combination meter via AV communication.
- When direction information is acquired, combination meter displays it on information display. Refer to AV-70, "INFORMATION DISPLAY (COMBINATION METER) : Display/Information".

ACTIVE NOISE CANCELLATION WITH BOSE SYSTEM

WITH BOSE SYSTEM : System Description

INFOID:0000000013717272

SYSTEM DIAGRAM

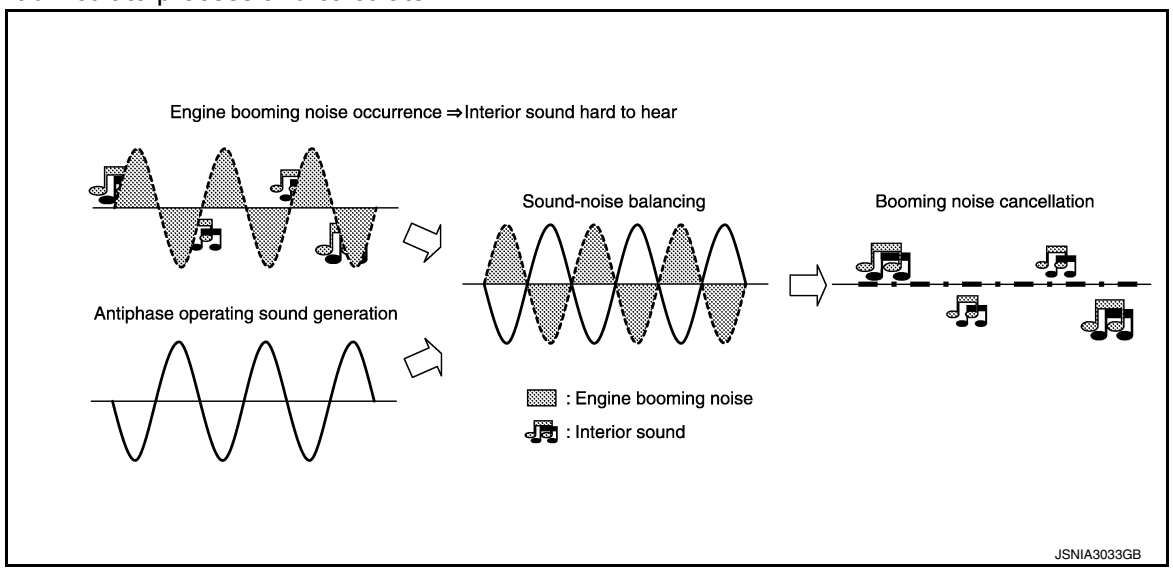


DESCRIPTION

- The active noise cancellation system outputs an antiphase sound from the speakers (door woofer, rear squawker, and rear woofer) against unpleasant engine booming noise and reduce sound pressure level by the interference with engine booming noise.
- The BOSE amp. receives an engine speed signal from ECM and receives microphone signals from the front and rear microphone.
- Based on signals detected by the front and rear microphones, the BOSE amp. generates an antiphase sound (microphone signal) weakening interior engine booming noise in real time according to a unique algorithm[*1] by a DSP[*2] built in the BOSE amp. Then, the BOSE amp. mixes the antiphase sound with a sound signal received from the AV control unit to transmit the mixed sound signal to each speaker.

NOTE:

- *1: Algorithm means a fixed procedure to solve a question.
- *2: DSP stands for Digital Signal Processor and enables digital processing of sound signals. DSP features precise signal processing and calculation with the digital technology on a small scale that analog methods find it difficult to process and calculate.

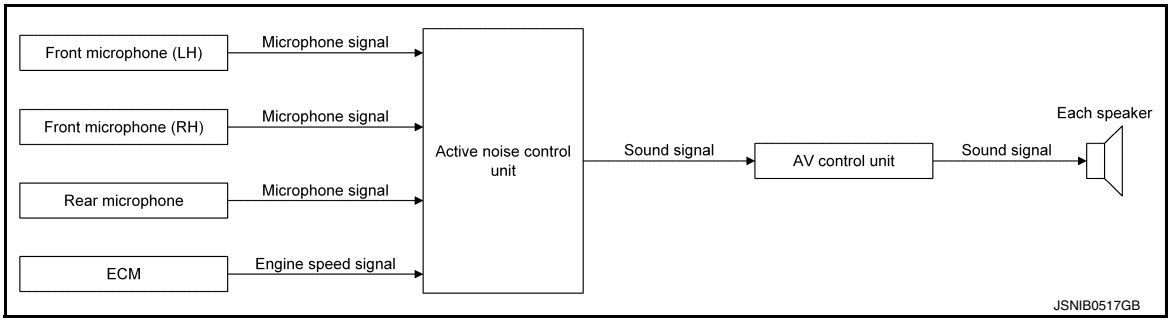


WITHOUT BOSE SYSTEM

WITHOUT BOSE SYSTEM : System Description

INFOID:0000000013717273

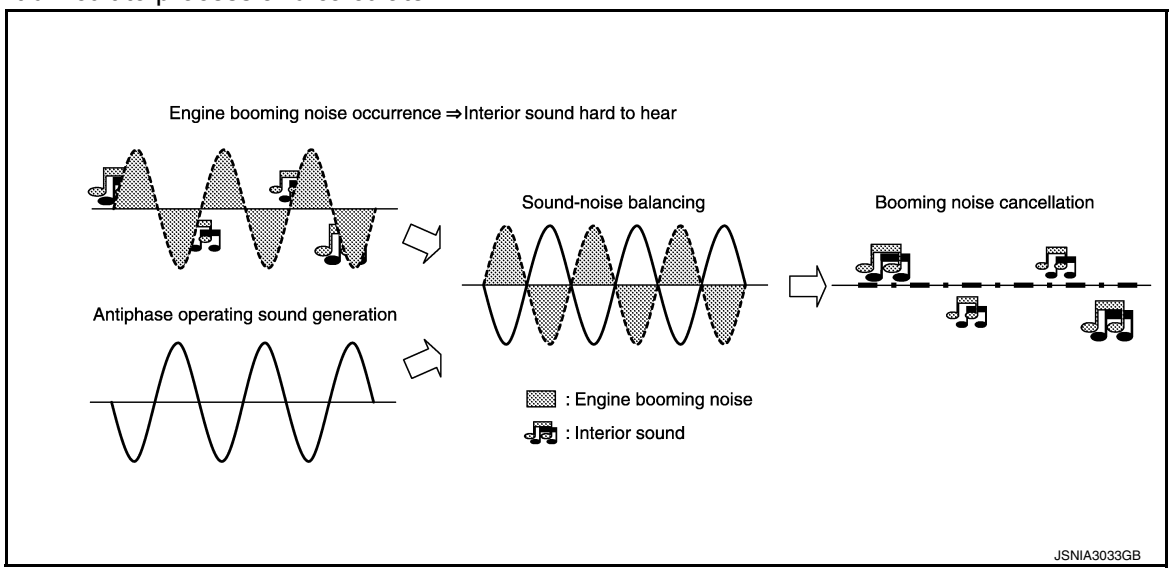
SYSTEM DIAGRAM



DESCRIPTION

- The active noise cancellation system outputs an antiphase sound from the speakers (door speaker and rear speaker) against unpleasant engine booming noise and reduce sound pressure level by the interference with engine booming noise.
- The active noise control unit receives an engine speed signal from ECM and receives microphone signals from the front and rear microphone.
- Based on signals detected by the front and rear microphones, the active noise control unit generates an antiphase sound (microphone signal) weakening interior engine booming noise in real time according to a unique algorithm*1 by a DSP*2 built in the active noise control unit. Then, the AV control unit mixes the antiphase sound with a sound signal received from the active noise control unit to transmit the mixed sound signal to each speaker.

  NOTE:
  - *1: Algorithm means a fixed procedure to solve a question.
  - *2: DSP stands for Digital Signal Processor and enables digital processing of sound signals. DSP features precise signal processing and calculation with the digital technology on a small scale that analog methods find it difficult to process and calculate.

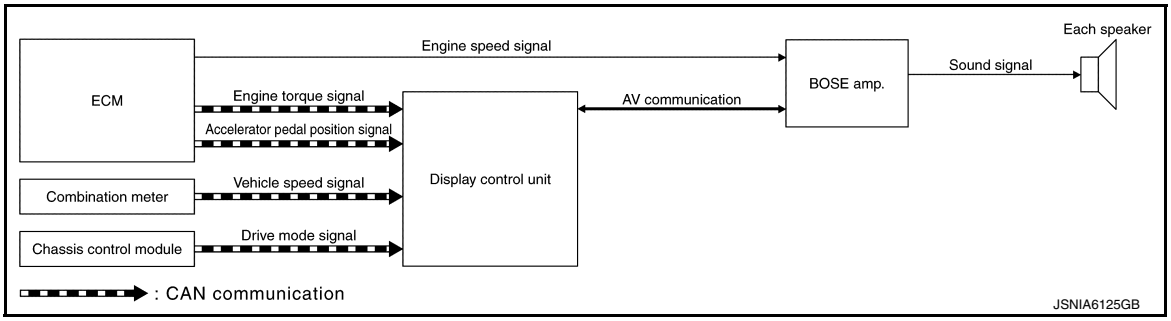


ACTIVE SOUND ENHANCEMENT WITH BOSE SYSTEM

WITH BOSE SYSTEM : System Description

INFOID:0000000013717274

SYSTEM DIAGRAM

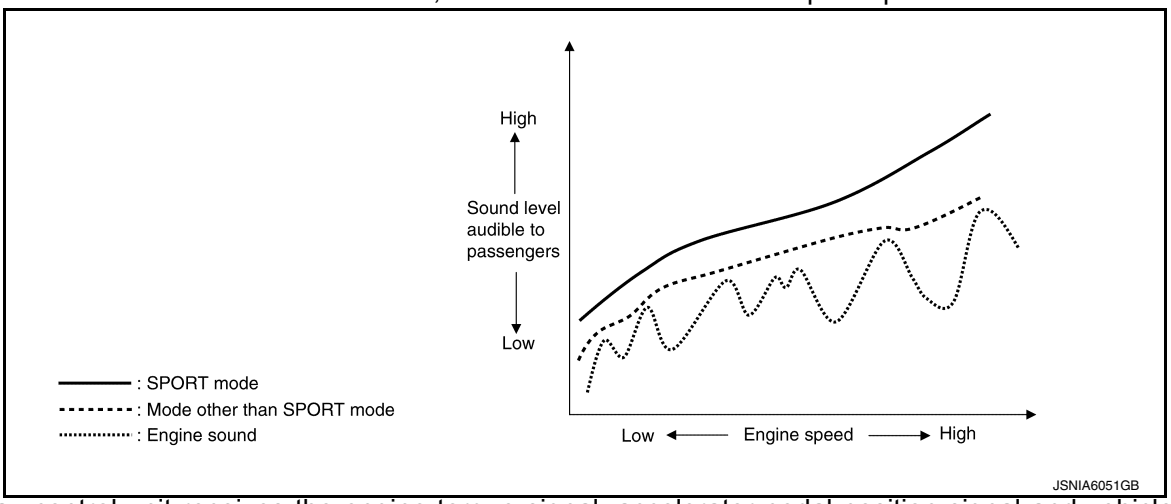


Display Control Unit Input Signal (CAN Communication)

Transmit unit	Signal name
ECM	Engine torque signal
	Accelerator pedal position signal
Combination meter	Vehicle speed signal
Chassis control module	Drive mode signal

DESCRIPTION

- During driving, the active noise enhancement system improves the quality of engine sound heard in the vehicle by producing a sound via the speakers according to engine speeds and drive mode.
- The active noise enhancement system uses two different types of sound volume. When SPORTS mode is selected with Infiniti Drive Mode Selector, the sound volume is turned up compared to that of other modes.



- Display control unit receives the engine torque signal, accelerator pedal position signal and vehicle speed signal via CAN communication, and transmits them to BOSE amp. via AV communication.
- BOSE amp. calculates the frequency of sound adding to engine sound, sound quality, and sound volume from engine speed signal, engine torque signal, accelerator pedal position signal, and vehicle speed signal, and transmits the sound signal to each speaker.

NOTE:

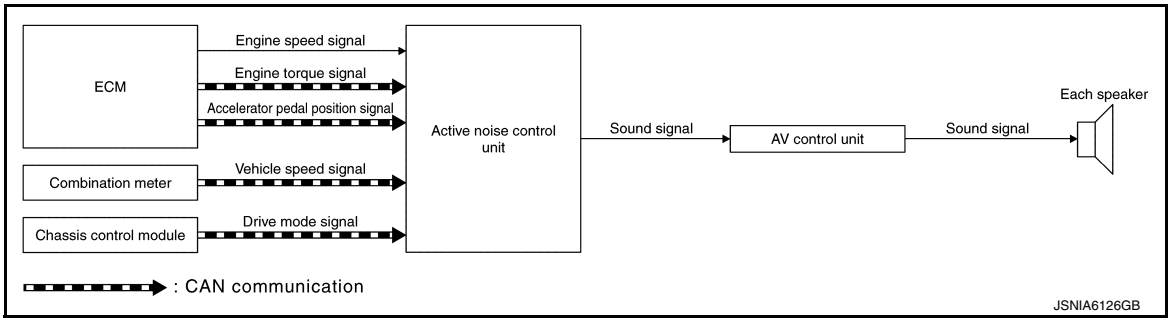
- BOSE amp. mixes the sound signal received from AV control unit with the engine sound that is generated in BOSE amp., and transmits the sound signal to each speaker.
- BOSE amp. judges two types of sound tuning mode from drive mode signal.

WITHOUT BOSE SYSTEM

WITHOUT BOSE SYSTEM : System Description

INFOID:0000000013717275

SYSTEM DIAGRAM

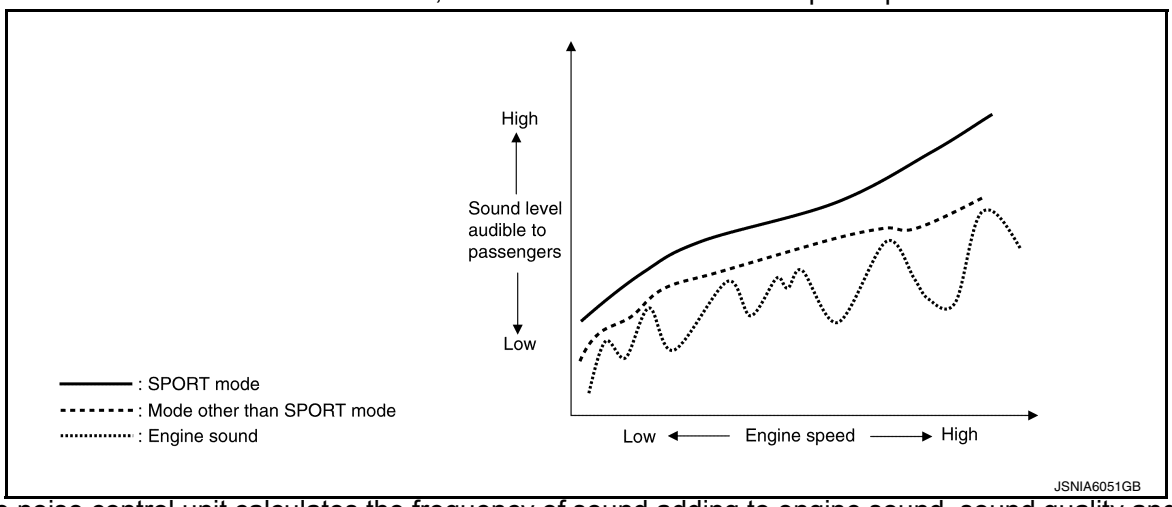


Display Control Unit Input Signal (CAN Communication)

Transmit unit	Signal name
ECM	Engine torque signal
	Accelerator pedal position signal
Combination meter	Vehicle speed signal
Chassis control module	Drive mode signal

DESCRIPTION

- During driving, the active noise enhancement system improves the quality of engine sound heard in the vehicle by producing a sound via the speakers according to engine speeds and drive mode.
- The active noise enhancement system uses two different types of sound volume. When SPORTS mode is selected with Infiniti Drive Mode Selector, the sound volume is turned up compared to that of other modes.



- Active noise control unit calculates the frequency of sound adding to engine sound, sound quality and sound volume from engine speed signal, engine torque signal, accelerator pedal position signal, and vehicle speed signal, and transmits the sound signal to AV control unit.
- When AV control unit receives the sound signal from active noise control unit, it transmits the sound signal to each speaker.

NOTE:

- AV control unit mixes the sound signal received from active noise control unit with the sound from audio, etc., and transmits the sound signal to each speaker.
- Active noise control unit judges two types of sound tuning mode from drive mode signal.

HANDLING PRECAUTION

Display

INFOID:0000000013717276

- When the compartment temperature is low, the display images may look slower because the LCD response is deteriorated. The system will recover its normal operation when the cabin temperature increases to an appropriate level.
- When the compartment temperature is low [0°C (32°F) or less], the display images may look slower. It is characteristic of the LCD monitor and should not be considered to be a malfunction. When the temperature is at the operating temperature [0°C (32°F) to 50°C (122°F)], the display returns to normal.
- There may be small dark or bright dots in the screen or remaining display content may be found (image lag). These are inherent symptoms to any LCD monitor and should not be considered to be a malfunction.
- The image may look bright or dark when viewed obliquely from the rear. It is inherent to any LCD monitor and should not be considered to be a malfunction.
- Do not apply pressure on the LCD monitor. Doing so may cause irregularities in the screen image or render it inoperative.
- Do not use hard cloth, organic solvent (alcohol, benzine, and thinner), or chemical wipe to clean the LCD monitor. Doing so may affect the panel surface. When cleaning the LCD monitor, always wipe it with a soft cloth after shutting off the power. For severe contamination, use a soft cloth dampened with mild detergent (no droplets can be present).

Audio

INFOID:0000000013717277

- When an MP3, WMA, or AAC disc is replayed, it may take some time to start the playback after the disc is inserted, because the contents of the disc files must be analyzed.
- The extensions for MP3, WMA, and AAC files are ".MP3", ".WMA", ".mp3", ".wma", and “.aac”. Any file with a different extension or no extension cannot be played back.
- If trying to play a music CD (CD-DA) containing MP3, WMA, or AAC file, MP3, WMA, or AAC file is not played.
- The compatibility of a CD–R depends on the combination of the writing software/hardware and the writing rate. The disc has digital pulse signals written on it. If the specifications for writing depth and width (area) are not compatible, these signals may not be played back correctly or the sounds may be lost or skipped.
- The file recorded with high bit rate* may have sound skipping.
- The playback order of MP3, WMA, or AAC files may differ from the intended order because the writing software could change the folder and file positions when writing data to a CD-R/CD-RW disc.
- For an MP3 file, the folder name and file name can be displayed as the title on the condition that each name string consists of up to 16 alphanumeric letters (except for the extension). Any MP3 file with a name containing other letters or that is longer than the maximum length cannot be displayed correctly.
- Some MP3, WMA, or AAC making software, text information editing software, writing software, or software configurations may create files and discs in a format different from the proper specifications. In such a case, the text information display or the playback function may not be available.
- A disc for which no session close or disc close process has been finished may not be played back.
- Some files may have incorrect playback time displays and therefore a part of the music cannot be played back.
- 8 cm disc cannot be used.
- When playing back a Bluetooth® audio data, the sound may be interrupted for a moment. This is due to data communication and should not be considered to be a malfunction. After the data communication finishes, the playback will restart normally.
- If incoming call takes place during Bluetooth® audio playback, the screen changes to the relevant mode and the audio playback is interrupted.
- Sound skipping may occur depending on the location where the Bluetooth audio device is installed.
- If any operation for traffic information reception is performed during Bluetooth® audio playback, the audio playback is interrupted.
- Music data stored in a Bluetooth® audio device at low bit rate has poor sound quality.
- Radio reception may decrease in performance during charge.

NOTE:

*: Bit rate means how many bits of data are processed or transmitted per the unit time.

iPod®

INFOID:0000000013717278

- If a headphone is connected to the iPod®, the iPod®may not be controlled.
- Some iPod® may not be compliant with connection. It is necessary to check compliant models of iPod®.
- If a USB extension cable is used for iPod® connection, iPod® may not be recognized or sound skipping may occur in playback.
- In playing back iPod® audio, if the EQ function (equalizer function) of the iPod® is ON, sound may be distorted.
- If the number of music in one category is increased to a large number, response may be poor. If the number of music is large and shuffle is ON, operation of the iPod® itself may be slower.

RESTRICTIONS ON iPod®

The following symptoms may occur, but the functions are not compliant and they should not be considered to be a malfunction.

- When a Podcast divided into chapters is played back with iPod nano 3G, the play time may be displayed incorrectly.
- The number of Audiobook is not displayed normally. When iPod®is disconnected and reset, it is displayed.
- When jacket photos are played with iPod nano 3G and iPod Classic, iPod®may be frozen or reset.

USB Connection

INFOID:0000000013717279

If a USB-HUB or USB extension cable is used when a USB is connected, USB is not recognized.

SD Card

INFOID:0000000013717280

To remove the SD card, wait for 15 seconds or more after turning the ignition switch OFF.

DIAGNOSIS SYSTEM (DISPLAY CONTROL UNIT)

Description

INFOID:0000000013717281

- The display control unit diagnosis function starts up with multifunction switch operation and the display control unit performs a diagnosis for each unit in the system during the on board diagnosis.
- Perform a CONSULT diagnosis if the on board diagnosis does not start, e.g., the screen does not display anything, the multifunction switch does not function, etc.

On Board Diagnosis Function

INFOID:0000000013717282

ON BOARD DIAGNOSIS ITEM

Description

- The trouble diagnosis function has a self-diagnosis mode for conducting trouble diagnosis automatically and a confirmation/adjustment mode for operating manually.
- The self-diagnosis mode performs diagnoses on the display control unit, connections between system components. Then it displays the diagnosis results on the display.
- The confirmation/adjustment mode allows the technician to check, modify or adjust the vehicle signals and set values, as well as to monitor the system error records and system communication status. The checking, modifying or adjusting generally require human intervention and judgment (the system cannot make judgment automatically).

On Board Diagnosis Item

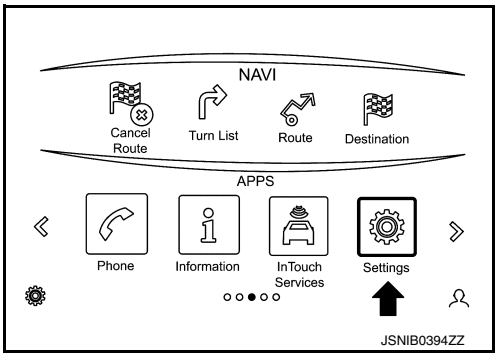
Mode	Description
Self Diagnosis	• Display control unit diagnosis. • Diagnoses the connections across system components.

Mode		Description
Confirmation/ Adjustment	Display Diagnosis	The following check functions are available: • Color tone check by color bar display, white display and black display • Light and shade check by gray scale display • Touch panel check • Sensor sensitivity settings
	Vehicle Signals	Diagnosis of signals can be performed.
	Speaker Test	The connection of a speaker can be confirmed by test tone.
	Navigation*	The reception status of GPS can be confirmed. Display On/Off of the simulation menu of navigation.
	Error History	The system malfunction and the frequency when occurring in the past are displayed. When the malfunctioning item is selected, the time and place that the selected malfunction last occurred are displayed.
	AV COMM Diagnosis	The communication condition of each unit of Infiniti InTouch can be monitored.
	Clock Setting*	The date and time information can be adjusted.
	Camera Control	The signal connected to camera control unit can be checked and the guiding line position that overlaps rear view camera image can be adjusted.
	SXM	Display the information related to satellite radio.
	Delete Unit Connection Log	Erase the connection history of unit and error history.
	Reset Settings	Initializes the each data.
	Version Information	Version information of the following items is displayed. • Display control unit • NAVI control unit • AV control unit • BOSE amp. • Integral switch • Combination meter • Around view monitor control unit
	Program Update	Version of the display control unit can be update.
	Switch Information	Display each switch information.
	ANC/ASC	Display the information related to ANC and ASC.
	Hands-free Phone	The received volume adjustment of hands-free phone and microphone speaker check can be performed.

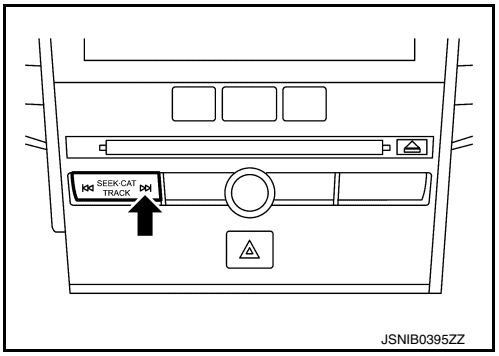
*: Only models with navigation system

METHOD OF STARTING

1. Start the engine.
2. Turn the audio system OFF.
3. Touch the “Settings” icon and display a settings menu screen.

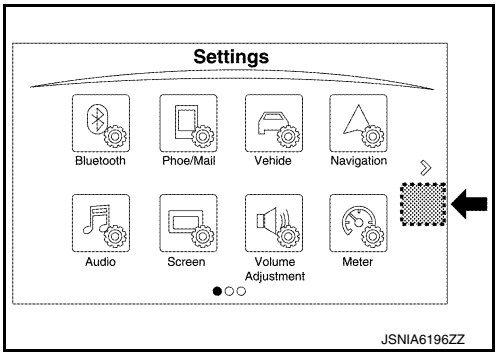


4. Press the “SEEK·CAT/TRACK Up” switch at least 3 times. (Within 15 seconds after the settings menu screen display.)
NOTE:
When press the “SEEK·CAT/TRACK Up” switch more than 4 times, a self-diagnosis mode is not started. press the “MENU” switch again.



JSNIB0395ZZ

5. Touch the screen (area of the figure) for 3 seconds.



JSNIA6196ZZ

6. The trouble diagnosis initial screen is displayed, and then the items of “Self Diagnosis” and “Confirmation/ Adjustment” can be selected.

NOTE:
When a diagnostic screen is not displayed, press the “MENU” switch. And then, restart from the procedure of Step 3.

SELF-DIAGNOSIS MODE

1. Start the self-diagnosis function and select “Self Diagnosis”.
- Self-diagnosis subdivision screen is displayed, and the self-diagnosis mode starts.
- The bar graph visible on the center of the self-diagnosis subdivision screen indicates progress of the trouble diagnosis.

2. Diagnosis results are displayed after the self-diagnosis is completed. The unit names and the connection lines are color-coded according to the diagnostic results.

Diagnosis results	Unit	Connection line
Normal	Green	Green
Connection malfunction	Gray	Yellow
Unit malfunction Note	Red	Green

NOTE:
Control Unit (display control unit) and BOSE Amp. are displayed in red.
- Replace display control unit if “Self-Diagnosis did not run because of a control unit malfunction” is indicated. The symptom is display control unit internal error. Refer to AV-431, "Removal and Installation".
- If multiple errors occur at the same time for a single unit, the screen switch colors are determined according to the following order of priority: red > gray.

- The comments of the self-diagnosis results can be viewed with a component in the diagnosis result screen.

Detection Range of Self-diagnosis Mode
- The self-diagnosis mode allows the technician to diagnose the connection in the communication line between display control unit and each unit and the internal operation of the display control unit.

- Because the start condition of diagnosis function is a switch operation, the on board diagnosis function cannot be started up if any malfunction is detected in the communication circuit between display control unit and multifunction switch.

SELF-DIAGNOSIS RESULTS

Check the applicable display at the following table, and then repair the malfunctioning parts.

Only Unit Part Is Displayed In Red.

Screen switch	Description	Possible malfunction location / Action to take
DCU	Malfunction is detected in display control unit power supply and ground circuits.	Check display control unit power supply and ground circuits. Refer to AV-390, "DISPLAY CONTROL UNIT : Diagnosis Procedure". When detecting no malfunction in those components, replace display control unit. Refer to AV-431, "Removal and Installation".
Audio Head Unit	Malfunction is detected in AV control unit power supply and ground circuits.	Check AV control unit power supply and ground circuits. Refer to AV-391, "AV CONTROL UNIT : Diagnosis Procedure". When detecting no malfunction in those components, replace AV control unit. Refer to AV-432, "Removal and Installation".
Navigation unit	Malfunction is detected in NAVI control unit power supply and ground circuits.	Check NAVI control unit power supply and ground circuits. Refer to AV-392, "NAVI CONTROL UNIT : Diagnosis Procedure". When detecting no malfunction in those components, replace NAVI control unit. Refer to AV-433, "Removal and Installation".
BOSE® Amp.	When either one of the following items are detected: • Sound signal circuits between BOSE amp. and each speaker are malfunctioning. • Sound signal circuits between BOSE amp. and either front or rear microphone is malfunctioning. • BOSE amp. malfunction is detected.	• Malfunctioning speaker circuits. • Malfunctioning front or rear microphone circuits. • Replace BOSE amp. Refer to AV-438, "Removal and Installation".

A Connecting Cable Between Units Is Displayed In Yellow.

Area with yellow connection lines	Description	Possible malfunction location / Action to take
DCU ⇔ Audio Head Unit	When either one of the following items are detected: • AV control unit power supply and ground circuits are malfunctioning. • AV communication circuits between display control unit and AV control unit are malfunctioning. • USB communication circuits between display control unit and AV control unit are malfunctioning.	• AV control unit power supply and ground circuits. Refer to AV-391, "AV CONTROL UNIT : Diagnosis Procedure". • AV communication circuits between display control unit and AV control unit are malfunctioning. • USB communication circuits between display control unit and AV control unit are malfunctioning.
DCU ⇔ Second Display	When either one of the following items are detected: • Integral switch power supply and ground circuits are malfunctioning. • AV communication circuits between display control unit and integral switch are malfunctioning.	• Integral switch power supply and ground circuits. Refer to AV-395, "INTEGRAL SWITCH : Diagnosis Procedure". • AV communication circuits between display control unit and integral switch are malfunctioning.
DCU ⇔ BOSE® Amp	When either one of the following items are detected: • BOSE amp. power supply and ground circuits are malfunctioning. • AV communication circuits between display control unit and BOSE amp. are malfunctioning.	• BOSE amp. power supply and ground circuits. Refer to AV-394, "BOSE AMP. : Diagnosis Procedure". • AV communication circuits between display control unit and BOSE amp. are malfunctioning.
DCU ⇔ AVM	When either one of the following items are detected: • Around view monitor control unit power supply and ground circuits are malfunctioning. • AV communication circuits between display control unit and around view monitor control unit are malfunctioning.	• Around view monitor control unit power supply and ground circuits. Refer to AV-627, "AROUND VIEW MONITOR CONTROL UNIT : Diagnosis Procedure". • AV communication circuits between display control unit and around view monitor control unit are malfunctioning.
DCU ⇔ Meter	When either one of the following items are detected: • Combination meter power supply and ground circuits are malfunctioning. • AV communication circuits between display control unit and combination meter are malfunctioning.	• Combination meter power supply and ground circuits. Refer to MWI-125, "COMBINATION METER : Diagnosis Procedure". • AV communication circuits between display control unit and combination meter are malfunctioning.
DCU ⇔ Rear Camera	Malfunction is detected in rear view camera circuit between display control unit and rear view camera.	Rear view camera power supply and ground circuits. Refer to AV-355, "Diagnosis Procedure".
Navigation unit ⇔ GPS Antenna	GPS antenna connection malfunctions detected.	GPS antenna Refer to AV-338, "Diagnosis Procedure".
Audio Head Unit ⇔ SXM Antenna	Satellite antenna connection malfunctions detected.	Satellite antenna Refer to AV-343, "Diagnosis Procedure".
Audio Head Unit ⇔ Radio Antenna	Window antenna connection malfunctions detected.	Window antenna Refer to AV-359, "Diagnosis Procedure".
Second Display ⇔ IT Commander	Multifunction switch connection malfunctions detected.	Multifunction switch Refer to AV-357, "Diagnosis Procedure".
DCU ⇔ Navigation unit	USB communication circuits between display control unit and NAVI control unit are malfunctioning.	USB communication circuits between display control unit and NAVI control unit are malfunctioning. Refer to AV-349, "Diagnosis Procedure".
DCU ⇔ TCU2	USB communication circuits between display control unit and TCU are malfunctioning.	USB communication circuits between display control unit and TCU are malfunctioning. Refer to AV-350, "Diagnosis Procedure".

CONFIRMATION/ADJUSTMENT MODE

1. Start the diagnosis function and select “Confirmation/Adjustment”. The confirmation/adjustment mode indicates where each item can be checked or adjusted.
2. Select each switch on the “Confirmation/Adjustment Mode” screen to display the relevant trouble diagnosis screen. Touch the “Back” to return to the initial Confirmation/Adjustment Mode screen.

Display Diagnosis

Confirmation of the display control unit screen and integral switch screen.

Item		Description
Display Settings	Color Spectrum Bar	• Display 8 colors of following bars. - White - Yellow - Cyan (Close to light blue) - Green - Magenta (Close to purplish red) - Red - Blue - Black - Gray Scale
	Gradation Bar	Display 64 gradation gray-scale image to a screen.
	White Display	Display white screen.
	Black Display	Display black screen.
Touch Panel		• The function can check the presence of a “+” indication and deviation from where it should be while touching the touch panel. • Display coordinates and gesture operation name (Drag, Tap, Double Tap, Spread, etc.) of the screen which touched.
Sensor Sensitivity Settings		• Display a current touch panel sensor sensitivity set value. • Can change the touch panel sensor sensitivity set value with 1 (Low) - 5 (high) phases. **NOTE:** The set value is the same as display control unit screen and integral switch screen.

Vehicle Signals

A comparison check can be made of each actual vehicle signal and the signals recognized by the system.

Display control unit

Diagnosis item	Display	Vehicle status	Remarks
Vehicle Speed	ON	Vehicle speed > 0 km/h (0 MPH)	Changes in indication may be delayed. This is normal.
	OFF	Vehicle speed = 0 km/h (0 MPH)	
Parking Brake Signal	ON	Parking brake is applied.	
	OFF	Parking brake is released.	
Light Signal	ON	Block the light beam from the auto light optical sensor when the light switch is ON.	—
	OFF	Either of the following conditions • Lighting switch OFF. • Expose the auto light optical sensor to light when the light switch is ON.	
Ignition Signal	ON	Ignition switch ON.	—
	OFF	Ignition switch in ACC position.	
Reverse Signal	ON	Shift the selector lever to “R” position.	Changes in indication may be delayed. This is normal.
	OFF	Shift the selector lever other than “R” position.	

NAVI control unit

Diagnosis item	Display	Vehicle status	Remarks
Vehicle Speed	ON	Vehicle speed > 0 km/h (0 MPH)	Changes in indication may be delayed. This is normal.
	OFF	Vehicle speed = 0 km/h (0 MPH)	
Ignition Signal	ON	Ignition switch ON.	—
	OFF	Ignition switch in ACC position.	
Reverse Signal	ON	Shift the selector lever to “R” position.	Changes in indication may be delayed. This is normal.
	OFF	Shift the selector lever other than “R” position.	

NOTE:
Only models with navigation system.

Speaker Test
Select “Speaker Test” to display the speaker diagnosis screen. Touch “Start” to generate a test tone in a speaker. Touch “Next” to generate a test tone in the next speaker. Touch “End” to stop the test tones.

Navigation

Item	Description
Sensor Information	The reception status of GPS can be confirmed.
Route Simulation	Set the display ON/OFF of the “simulation” menu of the navigation.

NOTE:
Only models with navigation system.

Error History
The self-diagnosis results are judged depending on whether any error occurs from when “Self-diagnosis” is selected until the self-diagnosis results are displayed.
However, the diagnosis results are judged normal if an error has occurred before the ignition switch is turned ON and then no error has occurred until the self-diagnosis start. Check the “Error Record” to detect any error that may have occurred before the self-diagnosis start because of this situation.
The error record displays the time and place of the most recent occurrence of that error. However, take note of the following points.
- Place of the error occurrence is represented by the longitude and latitude at the time an error occurred. If current location mark has deviated from the correct position, then the place of the error occurrence cannot be located correctly.
- The frequency of occurrence is displayed in a up-and-down manner.

Count up method
- The counter resets to 0 if an error occurs when ignition switch is turned ON. The counter increases by 1 if the condition is normal at a next ignition ON cycle.
- The counter upper limit is 39. Any counts exceeding 39 are ignored.“ The counter can be reset (no error record display) with the “Delete log” switch or CONSULT.

Display type of occurrence frequency	Error history display item
Count up method	CAN communication line, control unit (CAN), AV communication line, control unit (AV)

Error item
Some error items may be displayed simultaneously according to the cause. If some error items are displayed simultaneously, the detection of the cause can be performed by the combination of display items

Error item	Applicable DTC	Reference
TACHO signal failure	B1F01	AV-295
Compensat. mic1 IN: Open	B1F0B	AV-304
Compensat. mic1 IN: Short	B1F0C	AV-304
Compensat. mic1 IN: Short to battery	B1F0D	AV-304

Error item	Applicable DTC	Reference
Compensat. mic1 IN: Short to ground	B1F0E	AV-304
Compensat. mic2 IN: Open	B1F10	AV-309
Compensat. mic2 IN: Short	B1F11	AV-309
Compensat. mic2 IN: Short to battery	B1F12	AV-309
Compensat. mic2 IN: Short to ground	B1F13	AV-309
Compensat. mic3 IN: Open	B1F15	AV-314
Compensat. mic3 IN: Short	B1F16	AV-314
Compensat. mic3 IN: Short to battery	B1F17	AV-314
Compensat. mic3 IN: Short to ground	B1F18	AV-314
CAN COMM CIRCUIT	U1000	AV-327
CONTROL UNIT (CAN)	U1010	AV-330
Control unit internal error	U121F	AV-332
Mismatched configuration data stored	U1223	AV-333
Amplifier temperature error	U1231	AV-334
Steer. Angle Sensor calibration	U1232	AV-335
Navi unit internal error	U1233	AV-336
Audio unit internal error	U1234	AV-337
Audio unit connection error	U1249	AV-339
GPS Antenna error	U1244	AV-338
Bose AMP connection error	U124E	AV-341
XM Antenna connection error : open	U1258	AV-343
XM Antenna connection error : short		
2nd Display connection error	U1259	AV-345
AVM connection error	U125B	AV-347
Navi unit connection error	U125D	AV-349
TCU connection error	U1266	AV-350
Cluster connection error	U1267	AV-352
Confirm user connection unit	U12B7	AV-354
Rear Camera connection error	U12B8	AV-355
IT Comander connection error	U12BA	AV-357
Radio Antenna error : open	U12BE	AV-359
Radio Antenna error : short		
AV COMM CIRCUIT	U1300	AV-361
CONTROL UNIT (AV)	U1310	AV-363
FL-DOOR speaker OUT: open	U1600	AV-364
FL-DOOR speaker OUT: short		
FL-DOOR speaker OUT: short to ground		
FL-DOOR speaker OUT: short to battery		
FL-DOOR woofer OUT: open	U1601	AV-367
FL-DOOR woofer OUT: short		
FL-DOOR woofer OUT: short to ground		
FL-DOOR woofer OUT: short to battery		

Error item	Applicable DTC	Reference
FL-DOOR squawker OUT: open	U1602	AV-370
FL-DOOR squawker OUT: short		
FL-DOOR squawker OUT: short to ground		
FL-DOOR squawker OUT: short to battery		
FL-DOOR tweeter OUT: open	U1603	AV-373
FL-DOOR tweeter OUT: short		
FL-DOOR tweeter OUT: short to ground		
FL-DOOR tweeter OUT: short to battery		
FR-DOOR speaker OUT: open	U1608	AV-364
FR-DOOR speaker OUT: short		
FR-DOOR speaker OUT: short to ground		
FR-DOOR speaker OUT: short to battery		
FR-DOOR woofer OUT: open	U1609	AV-367
FR-DOOR woofer OUT: short		
FR-DOOR woofer OUT: short to ground		
FR-DOOR woofer OUT: short to battery		
FR-DOOR squawker OUT: open	U160A	AV-370
FR-DOOR squawker OUT: short		
FR-DOOR squawker OUT: short to ground		
FR-DOOR squawker OUT: short to battery		
FR-DOOR tweeter OUT: open	U160B	AV-373
FR-DOOR tweeter OUT: short		
FR-DOOR tweeter OUT: short to ground		
FR-DOOR tweeter OUT: short to battery		
F-INST L-squawker OUT: open	U1626	AV-376
F-INST L-squawker OUT: short		
F-INST L-squawker OUT: short to ground		
F-INST L-squawker OUT: short to battery		
F-INST C-squawker OUT: open	U162A	AV-379
F-INST C-squawker OUT: short		
F-INST C-squawker OUT: short to ground		
F-INST C-squawker OUT: short to battery		
F-INST R-squawker OUT: open	U162E	AV-376
F-INST R-squawker OUT: short		
F-INST R-squawker OUT: short to ground		
F-INST R-squawker OUT: short to battery		
RL-SIDE squawker OUT: open	U1716	AV-381
RL-SIDE squawker OUT: short		
RL-SIDE squawker OUT: short to ground		
RL-SIDE squawker OUT: short		
RR-SIDE squawker OUT: open	U171E	AV-381
RR-SIDE squawker OUT: short		
RR-SIDE squawker OUT: short to ground		
RR-SIDE squawker OUT: short		

Error item	Applicable DTC	Reference
R-PSHELF L-speaker OUT: open	U1720	AV-384
R-PSHELF L-speaker OUT: short		
R-PSHELF L-speaker OUT: short to ground		
R-PSHELF L-speaker OUT: short to battery		
R-PSHELF L-woofer OUT: open	U1721	AV-387
R-PSHELF L-woofer OUT: short		
R-PSHELF L-woofer OUT: short to ground		
R-PSHELF L-woofer OUT: short to battery		
R-PSHELF R-speaker OUT: open	U1728	AV-384
R-PSHELF R-speaker OUT: short		
R-PSHELF R-speaker OUT: short to ground		
R-PSHELF R-speaker OUT: short to battery		
R-PSHELF R-woofer OUT: open	U1729	AV-387
R-PSHELF R-woofer OUT: short		
R-PSHELF R-woofer OUT: short to ground		
R-PSHELF R-woofer OUT: short to battery		

AV COMM Diagnosis

AV COMM Monitor
- Displays the communication status between display control unit (master unit) and each unit.
- The error counter displays “OK” if any malfunction was not detected in the past and displays “0” if a malfunction is detected. It increases by 1 if the condition is normal at the next ignition switch ON cycle. The upper limit of the counter is 39.
- The error counter is erased if “Reset” is pressed.

Items	Status (Current)	Counter (Past)
CMF Send Switch	OK / UNKW	OK / 0 – 39 / —
CMF Receive 2ndDisp	OK / UNKW	OK / 0 – 39 / —
CMF Receive Bose AMP	OK / UNKW	OK / 0 – 39 / —
CMF Receive AVM	OK / UNKW	OK / 0 – 39 / —
CMF Receive Meter	OK / UNKW	OK / 0 – 39 / —
CMF Receive TCU2	OK / UNKW	OK / 0 – 39 / —
CMF Receive Audio	OK / UNKW	OK / 0 – 39 / —

Clock Setting
The date and time information can be adjusted.
NOTE:
Only models with navigation system.

Camera Control

Item	Description
Adjust Guide Line of Rear View Cam	The guiding lines in the rear view monitor can be adjusted.
Check/Change Configuration	Displays the current configuration data. **NOTE:** Refer to the following list for the items of the configuration adjustment function.
Reset Configuration	Initializes the camera system configuration.
Camera System Type	Sets the type of camera that is connected.

Configuration list

Setting item	Setting (Default value)		
	With direct adaptive steering	Without direct adaptive steering	
		Except VR30DDTT engine (2WD) with paddle shifter models	VR30DDTT engine (2WD) with paddle shifter models
Predictive Course Lines	Normal	Normal	Quick
Rear Coeff. K	1.37847	1.37847	1.37847
Rear Coeff. F	0.0394	0.0394	0.0394
Rear Coeff. P1	−0.24463	−0.24463	−0.24463
Rear Coeff. P2	0.07005	0.07005	0.07005
Rear Coeff. C1	−0.00608	−0.00608	−0.00608
Rear Coeff. C2	−0.00001	−0.00001	−0.00001
Rear Coeff. D1	130.6	130.6	130.6
Rear Coeff. D2	−35	−35	−35
Car Width	1852.8	1852.8	1852.8
Rear Offset	3696.5	3696.5	3696.5
Rear Height	666.2	666.2	666.2
Rear L/R Angle	0	0	0
Rear Up/Dn Angle	0	0	0
Rear Roll Angle	0	0	0
Bumper Rear Dist.	0	0	0
Bumper Rear Ax Dist	0	0	0
Max. Steering Angle	32.46	32.46	31.56
Min. Turning Radius	1.511	1.511	1.338
Wheelbase	2850	2850	2850
Total Length	4683	4683	4683
Steering Gear Ratio	0.036	0.036	0.03
Tot.Width With Mirrors	0	0	0

SMX

XM Mode Diagnosis

Item	Description
Show XM Diagnosis	Display adjustment items to test satellite radio function.
External Connection Mode	Set in external diagnostic mode.

Delete Unit Connection Log

Deletes any unit connection records and error records from the display control unit memory. (Clear the records of the unit that has been removed.)

Reset Settings

Item	Description
Reset User Data	Initializes the display control unit, NAVI control unit and AV control unit memory.
Reset Configuration	Initializes the configuration data.

Version Information

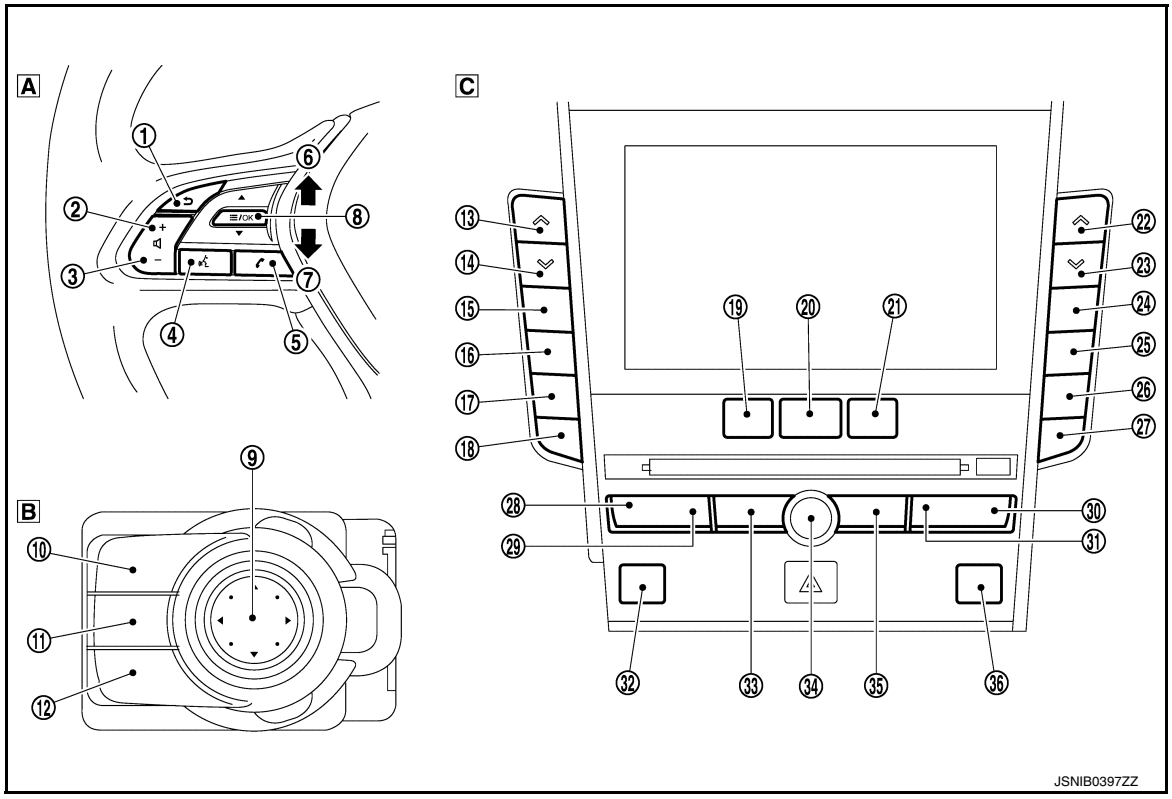
Version information of the each control unit and switch is displayed.

Program Update

Version of the display control unit can be update.

Switch Information

Steering switch, multifunction switch and integral switch information can be checked.
Switch name and ID are displayed when press each switch.



A Steering switch B Multifunction switch C Integral switch

No.	Display name	Switch position
①	Source	Steering switch
②	VOL UP/Right	
③	VOL DOWN/Left	
④	Voice Recognition Engine:	
⑤	Phone	
⑥	MENU UP	
⑦	MENU DOWN	
⑧	Enter	
⑨	OK	Multifunction switch
⑩	MAP	
⑪	Back	
⑫	Not displayed	

No.	Display name	Switch position
⑬	Temperature	Integral switch
⑭	Temperature	
⑮	Auto	
⑯	Wind Speed +	
⑰	Wind Speed −	
⑱	MODE	
⑲	Audio	
⑳	Menu	
㉑	Climate	
㉒	Temperature	
㉓	Temperature	
㉔	Recirculation	
㉕	Front Defrost	
㉖	Rear Defrost	
㉗	OFF	
㉘	⏮	
㉙	⏭	
㉚	TUNE/CH/HOLDER>	
㉛	<TUNE/CH/HOLDER	
㉜	Seat Heater (Left Seat)	
㉝	Radio	
㉞	Not displayed	
㉟	DISC/AUX	
㊱	Seat Heater (Right Seat)	

ANC/ASC

Item		Description
ANC/ASC Diagnosis	Show Settings	Following items can be confirmed. • Part number • Config result • Active noise cancellation system ON/OFF status • Active sound enhancement system ON/OFF status
	Connection Diagnosis	Display a state of wiring connected with in BOSE amp.
	Active Test	Active noise cancellation system function can be confirmed by test tone.
	Version	Active noise cancellation system and active sound enhancement system function ON/OFF can be set.

Hands-Free Phone

The hands-free phone reception volume adjustment and microphone and speaker test functions are also available.

Item	Description
HF Vol. Adjustment	The reception volume can be set in three steps: “Low”, “Standard” and “High”.

Item	Description
Voice Microphone Test	The microphone audio can be directly connected to the speakers to perform a microphone test.
Onload model ID	Displays the on board unit ID.

CONSULT Function

INFOID:0000000013717283

APPLICATION ITEMS

CONSULT performs the following functions via the communication with the display control unit

Diagnosis mode	Description
Self Diagnostic Result	Performs a diagnosis on the display control unit and a connection diagnosis for the communication circuit of the Multi AV system, and displays the current and past malfunctions collectively.
Data Monitor	The diagnosis of vehicle signal that is input to the display control unit can be performed.
Work Support	Steering angle sensor can be adjusted.
ECU Identification	The part number of display control unit can be checked.
Configuration	• Read and save the vehicle specification. • Write the vehicle specification when replacing display control unit

AV communication

When “AV communication” of “CAN Diag Support Monitor” is selected, the following function will be performed.

AV communication	AV&NAVI C/U	Displays the communication status from display control unit to each unit as well as the error counter.
	AUDIO	Displays the display control unit communication status and the error counter.

SELF DIAGNOSIS RESULT

- In CONSULT self-diagnosis, self-diagnosis results and error history are displayed collectively.
- The current malfunction indicates “CRNT”. The past malfunction indicates “PAST”.
- The timing is displayed as “0” if any of the error codes U1000, U1010, U1300 and U1310 is detected. The counter increases by 1 if the condition is normal at the next ignition switch ON cycle.
- Refer to AV-113, "DTC Index".

Freeze Frame Data (FFD)

The following vehicle status is recorded when DTC is detected and is displayed on CONSULT.

Item name	Display content
ODO/TRIP METER (km)	Total driving distance (odometer value) upon DTC detection is displayed.
TOTAL DISTANCE (km)	

DATA MONITOR

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

- Displays the status of the following vehicle signals inputted into the display control unit.
- For each signal, actual signal can be compared with the condition recognized on the system.

Display Item	Display	Vehicle status	Remarks
VHCL SPD SIG	On	Vehicle speed > 0 km/h (0 MPH)	Changes in indication may be delayed. This is normal.
	Off	Vehicle speed = 0 km/h (0 MPH)	
PKB SIG	On	Parking brake is applied.	
	Off	Parking brake is released.	

Display Item	Display	Vehicle status	Remarks
ILLUM SIG	On	Block the light beam from the auto light optical sensor when the light switch is ON.	—
	Off	Either of the following conditions • Lighting switch OFF. • Expose the auto light optical sensor to light when the light switch is ON.	
IGN SIG	On	Ignition switch ON.	
	Off	Ignition switch in ACC position.	
REV SIG	On	Selector lever in R position.	Changes in indication may be delayed. This is normal.
	Off	Selector lever in any position other than R.	

WORK SUPPORT

Adjusts the neutral position of the steering angle sensor.

CAUTION:

For vehicles with VDC, adjust the steering angle sensor neutral position on the ABS actuator control unit side. Refer to BRC-92, "Description".

Item	Description
ST ANGLE SENSOR ADJUSTMENT	**NOTE:** This item is displayed, but not used.

ECU IDENTIFICATION

The part number of display control unit is displayed.

CONFIGURATION

Configuration has three functions as follows.

Function		Description
Read/Write Configuration	Before Replace ECU	Allows the reading of vehicle specification written in display control unit to store the specification in CONSULT.
	After Replace ECU	Allows the writing of the vehicle information stored in CONSULT into the display control unit.
Manual Configuration		Allows the writing of the vehicle specification into the display control unit by hand.

CAUTION:

- **When replacing display control unit, you must perform “Read / Write Configuration” or “Manual Configuration” with CONSULT.**
- **Complete the procedure of “Read / Write Configuration” or “Manual Configuration” in order.**
- **If you set incorrect “Read / Write Configuration” or “Manual Configuration”, incidents might occur.**
- **Configuration is different for each vehicle model. Confirm configuration of each vehicle model.**

DIAGNOSIS SYSTEM (ACTIVE NOISE CONTROL UNIT)

CONSULT Function

INFOID:0000000013717284

APPLICATION ITEMS

CONSULT performs the following functions via the communication with the active noise control unit.

Diagnosis mode	Description
Self Diagnostic Result	Performs a diagnosis on the active noise control unit and a connection diagnosis for the communication circuit of the active noise cancellation system/active noise enhancement system, and displays the current and past malfunctions collectively.
Data Monitor	The diagnosis of vehicle signal that is input to the active noise control unit can be performed.
Work support	Can set active noise cancellation system and active noise enhancement system.
Active Test	Transmits a drive signal to check the operation.
ECU Identification	The part number of active noise control unit can be checked.

SELF DIAGNOSTIC RESULT

Refer to AV-135, "DTC Index".

DATA MONITOR

NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

Monitored item	Unit	Description
ANC OPERATING CONDITION	On/Off	Indicates active noise cancellation system operating condition. • On: Active noise cancellation system is operating • Off: Active noise cancellation system is not operate
ASC OPERATING CONDITION	On/Off	Indicates active noise enhancement system operating condition. • On: Active noise enhancement system is operating • Off: Active noise enhancement system is not operate
ENGINE SPEED	—	Value of the engine speed signal received from ECM.
DOOR STATUS	Open/Close	**NOTE:** This item is displayed, but cannot be monitored.
CONFIGURATION (PARA)	1 - 16	Indicates configuration result.

WORK SUPPORT

Item	Description
ANC SETTING	Active noise cancellation system can be switched to ON/OFF.
ASC SETTING	Active noise enhancement system can be switched to ON/OFF.

ACTIVE TEST

Test item	Description
ANC TEST TONE	Output/stop the test tone from the audio speaker.

ECU IDENTIFICATION

The part number of active noise control unit is displayed.

ECU DIAGNOSIS INFORMATION

DISPLAY CONTROL UNIT

Reference Value

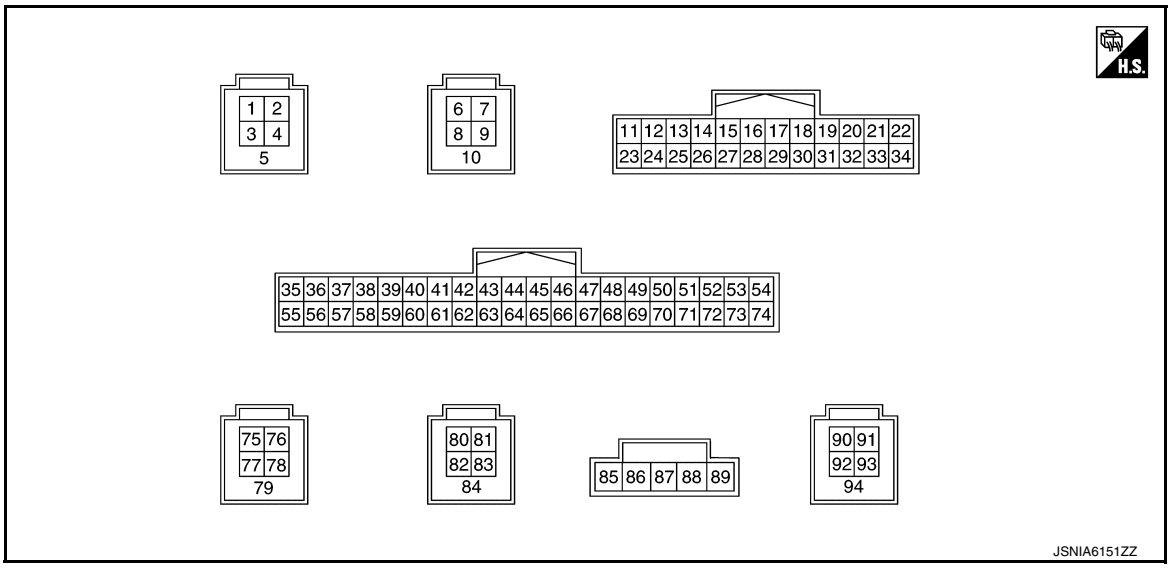
INFOID:0000000013717285

VALUES ON THE DIAGNOSIS TOOL

NOTE:
The following table includes information (items) inapplicable to this vehicle. for information (items) applicable to this vehicle, refer to CONSULT display items.

Monitor Item	Condition		Value/Status
VHCL SPD SIG	Ignition switch ON	Vehicle speed > 0 km/h (0 MPH)	On
		Vehicle speed = 0 km/h (0 MPH)	Off
PKB SIG	Ignition switch ON	Parking brake is applied.	On
		Parking brake is released.	Off
ILLUM SIG	Ignition switch ON	Block the light beam from the auto light optical sensor when the light switch is ON.	On
		Expose the auto light optical sensor to light when the light switch is OFF or ON.	Off
IGN SIG	Ignition switch ON.		On
	Ignition switch ACC.		Off
REV SIG	Ignition switch ON	Selector lever in R position.	On
		Selector lever in any position other than R.	Off

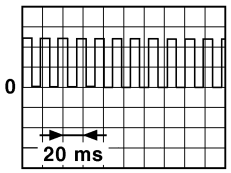
TERMINAL LAYOUT

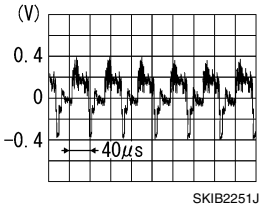
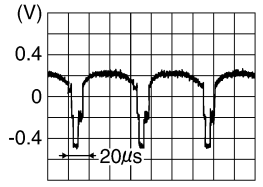
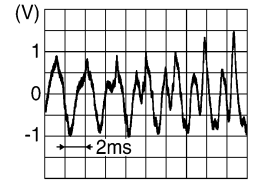
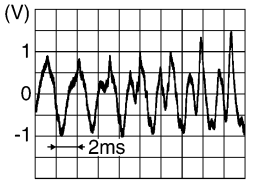
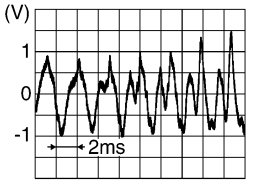
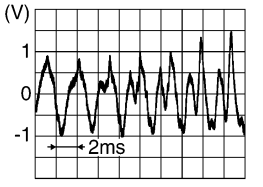


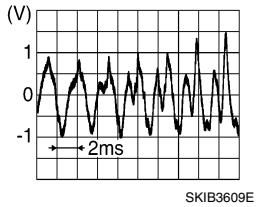
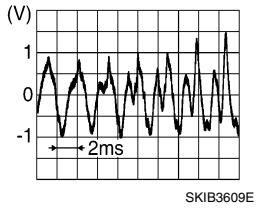
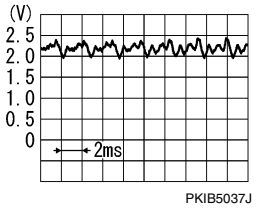
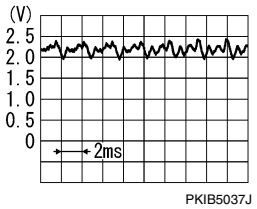
PHYSICAL VALUES

Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
1 (G)	—	USB ground	—	—	—
2 (W)	—	USB V BUS signal	Output	—	—

Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
3 (R)	—	USB D- signal	Input/ Output	—	—
4 (L)	—	USB D+ signal	Input/ Output	—	—
5 (—)	—	Shield	—	—	—
6 (G)	—	USB ground	—	—	—
7 (W)	—	USB V BUS signal	Output	—	—
8 (R)	—	USB D- signal	Input/ Output	—	—
9 (L)	—	USB D+ signal	Input/ Output	—	—
10 (—)	—	Shield	—	—	—
16 (LG)	—	AV communication signal (L)	Input/ Output	—	—
17 (P)	—	CAN-L	Input/ Output	—	—
19 (R)	22 (B)	Dimmer signal	Input	[Ignition switch ON] • Either of the following conditions - Lighting switch OFF - Expose the auto light optical sensor to light when the light switch is ON.	0 V
				[Ignition switch ON] • Block the light beam from the auto light optical sensor when the light switch is ON.	12.0 V
20 (BR)	22 (B)	Reverse signal	Input	[Ignition switch ON] • R position	12.0 V
				[Ignition switch ON] • Other than R position	0 V
22 (B)	—	Ground	—	[Ignition switch ON]	0 V
26 (BR)	22 (B)	Camera switch signal	Input	[Ignition switch ON] • Camera switch: ON	0 - 2.5 V
				[Ignition switch ON] • Camera switch: OFF	3.0 V
28 (SB)	—	AV communication signal (H)	Input/ Output	—	—
29 (L)	—	CAN-H	Input/ Output	—	—
30 (W)*1 (R)*2	22 (B)	Ignition signal	Input	[Ignition switch ON]	Battery voltage

Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
31 (R)	22 (B)	Vehicle speed signal (8-pulse)	Input	[Ignition switch ON] • When vehicle speed is approx. 40 km/h (25 MPH)	**NOTE:** The maximum voltage varies depending on the specification (destination unit).  JSNIA0012GB
33 (SB)	22 (B)	ACC power supply	Input	[Ignition switch ACC]	Battery voltage
34 (Y)	22 (B)	Battery power supply	Input	[Ignition switch OFF]	Battery voltage
36 (LG)	—	Composite image signal (-)	—	—	—
38 (—)	—	Shield	—	—	—
40*3 (—)	—	Manufacturer specific signal	—	—	—
42 (G)	—	Sound signal RH (–)	—	—	—
43 (—)	—	Shield	—	—	—
44 (L)	—	Sound signal LH (–)	—	—	—
45 (W)	—	TEL voice signal (–)	—	—	—
46 (—)	—	Shield	—	—	—
47 (R)	—	Voice guidance signal output (–)	—	—	—
48 (B)	—	Voice guidance signal input (–)	—	—	—
49 (W)	—	NS ON/OFF signal	—	—	—
50 (R)	—	Microphone signal ground (With navigation)	—	[Ignition switch ON]	0 V
51 (—)	—	Shield	—	—	—
52 (—)	—	Microphone signal ground	—	[Ignition switch ON]	0 V
54 (W)	—	Camera power supply ground	—	[Ignition switch ON]	0 V
55 (—)	—	Shield	—	—	—

Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
56 (BR)	36 (LG)	Composite image signal (+)	Input	[Ignition switch ON] • Image is displayed.	 SKIB2251J
58 (B)	22 (B)	Camera image signal	Input	[Ignition switch ON] • Image is displayed.	 SKIB0827E
60 (W)	—	Sound signal (-)	—	—	—
61 (B)	60 (W)	Sound signal (+)	Input	[Ignition switch ON] • Sound output	 SKIB3609E
62 (R)	42 (G)	Sound signal RH (+)	Output	[Ignition switch ON] • Sound output	 SKIB3609E
63 (—)	—	Shield	—	—	—
64 (V)	44 (L)	Sound signal LH (+)	Output	[Ignition switch ON] • Sound output	 SKIB3609E
65 (B)	45 (W)	TEL voice signal (+)	Input	[Ignition switch ON] • During voice guide output with the switch pressed	 SKIB3609E
66 (—)	—	Shield	—	—	—

Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
67 (G)	47 (R)	Voice guidance signal output (+)	Output	[Ignition switch ON] • Sound output	 SKIB3609E
68 (W)	48 (B)	Voice guidance signal input (+)	Input	[Ignition switch ON] • Sound output	 SKIB3609E
69 (—)	—	Shield	—	—	—
70 (G)	50 (R)	Microphone signal (NAVI)	Output	[Ignition switch ON] • Give a voice	 PKIB5037J
71 (R)*4 (G)*5	52 (—)	Microphone signal	Output	[Ignition switch ON] • Give a voice	 PKIB5037J
72 (L)	22 (B)	Microphone VCC	Output	[Ignition switch ON]	5.0 V
74 (R)	54 (W)	Camera power supply	Output	[Ignition switch ON] • At rear view camera image is displayed	6.0 V
				[Ignition switch ON] • Except for above	0 V
77 (W)	78 (B)	LVDS (+)	Input/ Output	—	—
78 (B)	—	LVDS (–)	Input/ Output	—	—
79 (—)	—	Shield	—	—	—
80 (G)	—	USB ground	—	—	—
81 (W)	—	USB V BUS signal	Output	—	—
82 (R)	—	USB D- signal	Input/ Output	—	—

Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
83 (L)	—	USB D+ signal	Input/ Output	—	—
84 (—)	—	Shield	—	—	—
85 (R)	—	USB V BUS signal	Output	—	—
86 (P)	—	USB D- signal	Input/ Output	—	—
87 (W)	—	USB D+ signal	Input/ Output	—	—
89 (—)	—	USB ground	—	—	—
92 (W)	—	LVDS (+)	Input/ Output	—	—
93 (B)	—	LVDS (–)	Input/ Output	—	—
94 (—)	—	Shield	—	—	—

*1: 2.0L turbo gasoline engine models
*2: VR30DDTT engine models
*3: Not used
*4: With telematics system
*5: Without telematics system

Fail-Safe (Display Control Unit)

INFOID:0000000013717286

If a malfunction occurs in the Infiniti InTouch, display control unit performs fail-safe activation according to the detected malfunction.

Detection item	Infiniti InTouch operation in fail-safe mode	DTC
Engine speed signal	Active noise cancellation system and active sound enhancement system function are deactivated.	B1F01
Front microphone (LH)	Active noise cancellation function is deactivated.	B1F0B B1F0C B1F0D B1F0E
Front microphone (RH)	Active noise cancellation function is deactivated.	B1F10 B1F11 B1F12 B1F13
Rear microphone	Active noise cancellation function is deactivated.	B1F15 B1F16 B1F17 B1F18
CAN communication	The system using the CAN communication signal from control unit which cannot communicate does not function.	U1000
	The system using the CAN communication signal does not function.	U1010
Display control unit	• Display is not displayed. • Display control unit restart. • Display control unit freezes. **NOTE:** Symptom other than an item may occur.	U121F

Detection item	Infiniti InTouch operation in fail-safe mode		DTC
Configuration	A function of display control unit becomes mismatched with a vehicle specification and destination.		U1223
BOSE amp.	BOSE system does not function.		U1231
Steering angle sensor	Predictive course line is not displayed.		U1232
NAVI control unit	• Map is not displayed. • Navigation screen does not operate. **NOTE:** Symptom other than an item may occur.		U1233
AV control unit	• Sound is not output by a speaker. • CD is not played. • Radio does not operate. **NOTE:** Symptom other than an item may occur.		U1234
GPS antenna	The vehicle positions of a navigation screen differ.		U1244
AV communication	AV control unit	• Sound is not output by a speaker. • CD is not played. • Radio does not operate. **NOTE:** Symptom other than an item may occur.	U1249
	BOSE amp.	Sound is not output by a speaker.	U124E
	Integral switch	• Integral switch display is not displayed. • Switch operation does not operate. • Touch panel operation does not operate. **NOTE:** Symptom other than an item may occur.	U1259
	Around view monitor control unit	Camera image is not displayed.	U125B
	Combination meter	• Audio information is not displayed by the information display in the combination meter. • Navigation indicator is not displayed by the information display in the combination meter. • Steering switch does not operate.	U1267
	Display control unit	The system of ECU which detected abnormalities does not operate.	U1300
		The system which is using AV communication does not operate.	U1310
Satellite radio antenna	Satellite radio is not received.		U1258
USB communication	NAVI control unit	A navigation menu cannot be selected (hatching display).	U125D
	TCU	Telematics system does not function.	U1266
	External data input box	Audio equipment which connected to USB does not operate.	U12B7
Rear view camera	Rear camera image is not displayed.		U12B8
Multifunction switch	Multifunction switch operation does not operate.		U12BA
Radio antenna	Radio is not received.		U12BE

Detection item	Infiniti InTouch operation in fail-safe mode		DTC
Speaker/squawker/tweeter/ woofer	With BOSE system		
	Door woofer	No sound from door woofer LH or RH.	U1601 U1609
	Door squawker	No sound from door squawker LH or RH.	U1602 U160A
	Tweeter	No sound from tweeter LH or RH.	U1603 U160B
	Front squawker	No sound from front squawker LH or RH.	U1626 U162E
	Center squawker	No sound from center squawker.	U162A
	Rear squawker	No sound from rear squawker LH or RH.	U1716 U171E
	Rear woofer	No sound from rear woofer LH or RH.	U1721 U1729
	Without BOSE system		
	Door speaker	No sound from door speaker LH or RH.	U1600 U1608
	Rear speaker	No sound from rear speaker LH or RH.	U1720 U1728

DTC Inspection Priority Chart

INFOID:0000000013717287

If multiple DTCs are detected simultaneously, check them one by one depending on the following DTC inspection priority chart.

Priority	Detected items (DTC)
1	U1223: CONFIG UNFINISH
2	• U1000: CAN COMM CIRCUIT • U1010: CONTROL UNIT (CAN)
3	• B1F01: ENG SPEED SIG ERROR • U1249: AUDIO H/U CONN • U124E: AMP CONN • U1259: 2ND DISP CONN • U125B: AROUND CAMERA CONN • U1267: METER CONN

Priority	Detected items (DTC)
4	• U121F: DISPLAY CONTROL UNIT • U1233: NAVI CONTROL UNIT • U1234: AV CONTROL UNIT • U1300: AV COMM CIRCUIT • U1310: CONTROL UNIT(AV)
5	• B1F0B: ANC MIC1 CIRC OPEN • B1F0C: ANC MIC1 CIRC SHORT • B1F0D: ANC MIC1 CIRC SHORT-BAT • B1F0E: ANC MIC1 CIRC SHORT-GND • B1F10: ANC MIC2 CIRC OPEN • B1F11: ANC MIC2 CIRC SHORT • B1F12: ANC MIC2 CIRC SHORT-BAT • B1F13: ANC MIC2 CIRC SHORT-GND • B1F15: ANC MIC3 CIRC OPEN • B1F16: ANC MIC3 CIRC SHORT • B1F17: ANC MIC3 CIRC SHORT-BAT • B1F18: ANC MIC3 CIRC SHORT-GND • U1232: ST ANGLE SEN CALIB • U1244: GPS ANTENNA CONN • U1258: XM ANTENNA CONN • U125D: DVD NAVI CONN • U1266: TCU CONN • U12B7: USB CONN • U12B8: REAR CAMERA CONN • U12BA: MULTIFUNCTION SWITCH CONN • U12BE: RADIO ANTENA CONN • U1231: AMP TEMP • U1600: FL-DOOR SPEAKER • U1601: FL-DOOR WOOFER • U1602: FL-DOOR SQUAWK • U1603: FL-DOOR TWEETER • U1608: FR-DOOR SPEAKER • U1609: FR-DOOR WOOFER • U160A: FR-DOOR SQUAWK • U160B: FR-DOOR TWEETER • U1626: F-INST L-SQUAWK • U162A: F-INST C-SQUAWK • U162E: F-INST R-SQUAWK • U1716: RL-SIDE SQUAWK • U171E: RR-SIDE SQUAWK • U1720: R-PSHELF L-SPEAKER • U1721: R-PSHELF L-WOOFER • U1728: R-PSHELF R-SPEAKER • U1729: R-PSHELF R-WOOFER

DTC Index

INFOID:0000000013717288

SELF-DIAGNOSIS RESULTS DISPLAY ITEM

DTC	CONSULT display	Reference
B1F01	ENG SPEED SIG ERROR	AV-295, "WITH BOSE SYSTEM : DTC Description"
B1F0B	ANC MIC1 CIRC OPEN	AV-304, "DTC Description"
B1F0C	ANC MIC1 CIRC SHORT	AV-304, "DTC Description"
B1F0D	ANC MIC1 CIRC SHORT-BAT	AV-304, "DTC Description"
B1F0E	ANC MIC1 CIRC SHORT-GND	AV-304, "DTC Description"
B1F10	ANC MIC2 CIRC OPEN	AV-309, "DTC Description"
B1F11	ANC MIC2 CIRC SHORT	AV-309, "DTC Description"
B1F12	ANC MIC2 CIRC SHORT-BAT	AV-309, "DTC Description"

DTC	CONSULT display		Reference
B1F13	ANC MIC2 CIRC SHORT-GND		AV-309, "DTC Description"
B1F15	ANC MIC3 CIRC OPEN		AV-314, "DTC Description"
B1F16	ANC MIC3 CIRC SHORT		AV-314, "DTC Description"
B1F17	ANC MIC3 CIRC SHORT-BAT		AV-314, "DTC Description"
B1F18	ANC MIC3 CIRC SHORT-GND		AV-314, "DTC Description"
U1000	CAN COMM CIRCUIT		AV-327, "DISPLAY CONTROL UNIT : DTC Description"
U1010	CONTROL UNIT (CAN)		AV-330, "DISPLAY CONTROL UNIT : DTC Description"
U121F	DISPLAY CONTROL UNIT		AV-332, "DTC Description"
U1223	CONFIG UNFINISH		AV-333, "DTC Description"
U1231	AMP TEMP		AV-334, "DTC Description"
U1232	ST ANGLE SEN CALIB		AV-335, "DTC Description"
U1233	NAVI CONTROL UNIT		AV-336, "DTC Description"
U1234	AV CONTROL UNIT		AV-337, "DTC Description"
U1244	GPS ANTENNA CONN		AV-338, "DTC Description"
U1249	AUDIO H/U CONN		AV-339, "DTC Description"
U124E	AMP CONN		AV-341, "DTC Description"
U1258	XM ANTENNA CONN	GND-SHORT	AV-343, "DTC Description"
		OPEN	
U1259	2ND DISP CONN		AV-345, "DTC Description"
U125B	AROUND CAMERA CONN		AV-347, "DTC Description"
U125D	DVD NAVI CONN		AV-349, "DTC Description"
U1266	TCU CONN		AV-350, "DTC Description"
U1267	METER CONN		AV-352, "DTC Description"
U12B7	USB CONN		AV-354, "DTC Description"
U12B8	REAR CAMERA CONN		AV-355, "DTC Description"
U12BA	MULTIFUNCTION SWITCH CONN		AV-357, "DTC Description"
U12BE	RADIO ANTENA CONN	GND-SHORT	AV-359, "DTC Description"
		OPEN	
U1300	AV COMM CIRCUIT		AV-361, "DTC Description"
U1310	CONTROL UNIT(AV)		AV-363, "DTC Description"
U1600	FL-DOOR SPEAKER	OPEN	AV-364, "DTC Description"
		SHORT	
		GND-SHORT	
		VB-SHORT	
U1601	FL-DOOR WOOFER	OPEN	AV-367, "DTC Description"
		SHORT	
		GND-SHORT	
		VB-SHORT	
U1602	FL-DOOR SQUAWK	OPEN	AV-370, "DTC Description"
		SHORT	
		GND-SHORT	
		VB-SHORT	

DTC	CONSULT display		Reference
U1603	FL-DOOR TWEETER	OPEN	AV-373, "DTC Description"
		SHORT	
		GND-SHORT	
		VB-SHORT	
U1608	FR-DOOR SPEAKER	OPEN	AV-364, "DTC Description"
		SHORT	
		GND-SHORT	
		VB-SHORT	
U1609	FR-DOOR WOOFER	OPEN	AV-367, "DTC Description"
		SHORT	
		GND-SHORT	
		VB-SHORT	
U160A	FR-DOOR SQUAWK	OPEN	AV-370, "DTC Description"
		SHORT	
		GND-SHORT	
		VB-SHORT	
U160B	FR-DOOR TWEETER	OPEN	AV-373, "DTC Description"
		SHORT	
		GND-SHORT	
		VB-SHORT	
U1626	F-INST L-SQUAWK	OPEN	AV-376, "DTC Description"
		SHORT	
		GND-SHORT	
		VB-SHORT	
U162A	F-INST C-SQUAWK	OPEN	AV-379, "DTC Description"
		SHORT	
		GND-SHORT	
		VB-SHORT	
U162E	F-INST R-SQUAWK	OPEN	AV-376, "DTC Description"
		SHORT	
		GND-SHORT	
		VB-SHORT	
U1716	RL-SIDE SQUAWK	OPEN	AV-381, "DTC Description"
		SHORT	
		GND-SHORT	
		VB-SHORT	
U171E	RR-SIDE SQUAWK	OPEN	AV-381, "DTC Description"
		SHORT	
		GND-SHORT	
		VB-SHORT	
U1720	R-PSHELF L-SPEAKER	OPEN	AV-384, "DTC Description"
		SHORT	
		GND-SHORT	
		VB-SHORT	

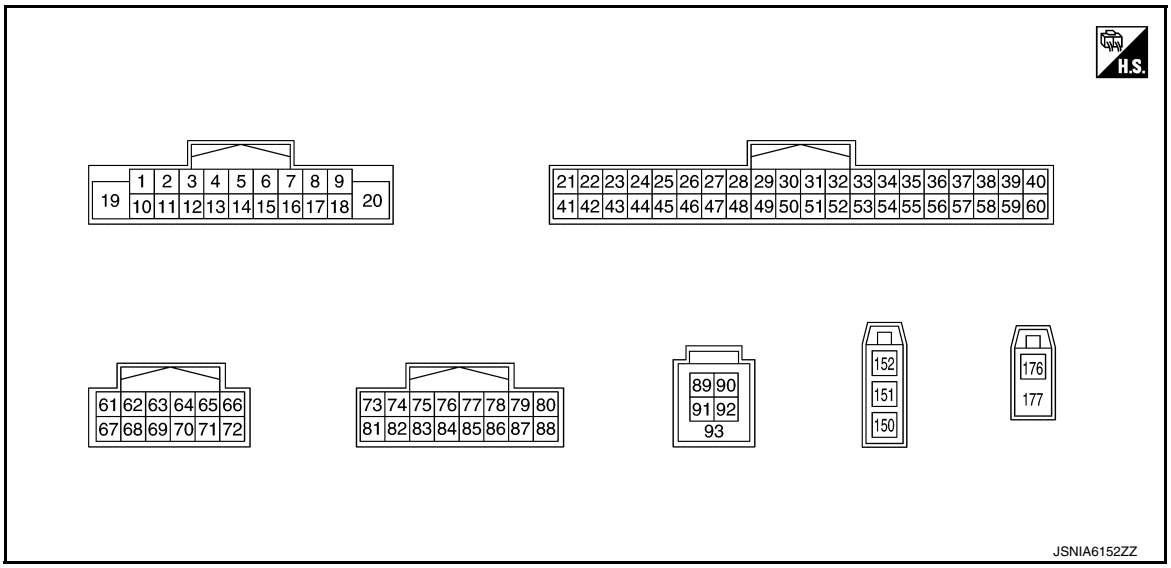
DTC	CONSULT display		Reference
U1721	R-PSHELF L-WOOFER	OPEN	AV-387, "DTC Description"
		SHORT	
		GND-SHORT	
		VB-SHORT	
U1728	R-PSHELF R-SPEAKER	OPEN	AV-384, "DTC Description"
		SHORT	
		GND-SHORT	
		VB-SHORT	
U1729	R-PSHELF R-WOOFER	OPEN	AV-387, "DTC Description"
		SHORT	
		GND-SHORT	
		VB-SHORT	

AV CONTROL UNIT

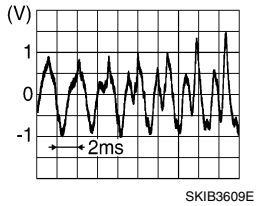
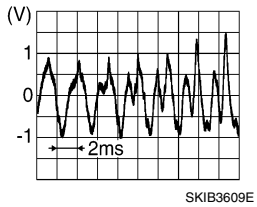
Reference Value

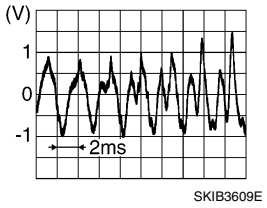
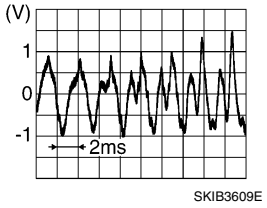
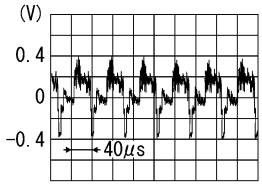
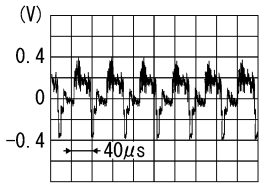
INFOID:0000000013717289

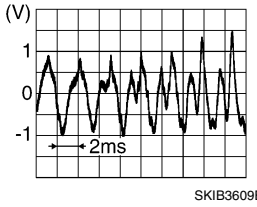
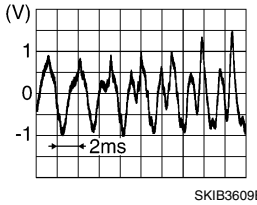
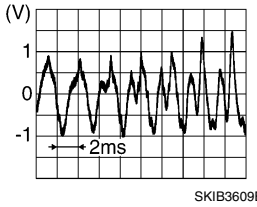
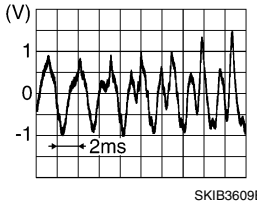
TERMINAL LAYOUT

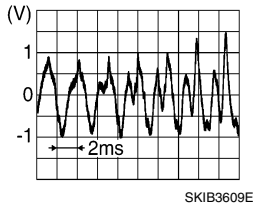
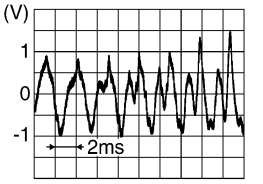
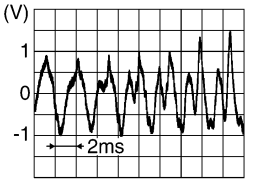
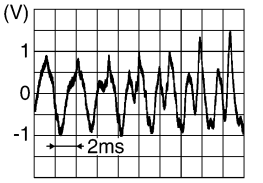


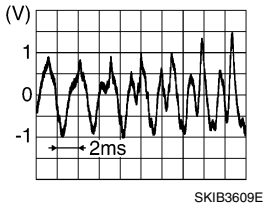
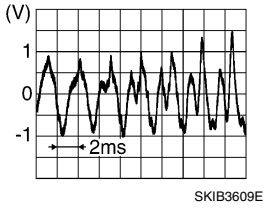
PHYSICAL VALUES

Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
1 (—)	—	Shield	—	—	—
2 (L)	3 (R)	Sound signal front LH (+)	Output	[Ignition switch ON] • Sound output	 SKIB3609E
3 (R)	—	Sound signal front LH (–)	—	—	—
4 (LG)	5 (SB)	Sound signal rear LH (+)	Output	[Ignition switch ON] • Sound output	 SKIB3609E
5 (SB)	—	Sound signal rear LH (–)	—	—	—
7 (SB)	20 (B)	ACC power supply	Input	[Ignition switch ACC]	Battery voltage
8 (W/B)	9 (BG)	Disk eject signal	Input	[Ignition switch ON] • Pressing the eject switch	0 V
				[Ignition switch ON] • Except for above	3.3 V

Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
9 (BG)	—	Disk eject signal ground	—	[Ignition switch ON]	0 V
10 (—)	—	Shield	—	—	—
11 (LG)	12 (P)	Sound signal front RH (+)	Output	[Ignition switch ON] • Sound output	 SKIB3609E
12 (P)	—	Sound signal front RH (–)	—	—	—
13 (L)	14 (P)	Sound signal rear RH (+)	Output	[Ignition switch ON] • Sound output	 SKIB3609E
14 (P)	—	Sound signal rear RH (–)	—	—	—
19 (Y)	20 (B)	Battery power supply	Input	[Ignition switch OFF]	Battery voltage
20 (B)	—	Ground	—	[Ignition switch ON]	0 V
22 (LG)	—	AV communication signal (L)	Input/ output	—	—
36 (L)	56 (V)	AUX image signal (+)	Input	[Ignition switch ON] • Image is displayed.	 SKIB2251J
38 (BR)	39 (LG)	Composite image signal (+)	Output	[Ignition switch ON] • Image is displayed.	 SKIB2251J
39 (LG)	—	Composite image signal (–)	—	—	—
40 (—)	—	Shield	—	—	—
42 (SB)	—	AV communication signal (H)	Input/ output	—	—

Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
56 (V)	—	AUX image signal (–)	—	—	—
57 (—)	—	Shield	—	—	—
61 (V)	67 (L)	Sound signal LH (+)	Input	[Ignition switch ON] • Sound output	 SKIB3609E
62 (R)	68 (G)	Sound signal RH (+)	Input	[Ignition switch ON] • Sound output	 SKIB3609E
63 (—)	—	Shield	—	—	—
65 (—)	—	Shield	—	—	—
66 (W)	71 (R)	AUX sound signal LH	Input	[Ignition switch ON] • Sound output	 SKIB3609E
67 (L)	—	Sound signal LH (–)	—	—	—
68 (G)	—	Sound signal RH (–)	—	—	—
69 (—)	—	Shield	—	—	—
71 (R)	—	AUX sound signal ground	—	—	—
72 (B)	71 (R)	AUX sound signal RH	Input	[Ignition switch ON] • Sound output	 SKIB3609E

Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
73 (B)	81 (W)	TEL voice signal (+)	Input	[Ignition switch ON] • During voice guide output with the switch pressed	 SKIB3609E
74 (—)	—	Shield	—	—	—
75 (G)	83 (R)	Voice guidance signal output (+)	Input	[Ignition switch ON] • Sound output	 SKIB3609E
76 (B)	—	Shield	—	—	—
77 (G)	78 (L)	Sound signal front LH (+)	Input	[Ignition switch ON] • Sound output	 SKIB3609E
78 (L)	—	Sound signal front LH (-)	—	—	—
79 (LG)	80 (P)	Sound signal rear LH (+)	Input	[Ignition switch ON] • Sound output	 SKIB3609E
80 (P)	—	Sound signal rear LH (-)	—	—	—
81 (W)	—	TEL voice signal (–)	—	—	—
82 (—)	—	Shield	—	—	—
83 (R)	—	Voice guidance signal output (–)	—	—	—
84 (B)	—	Shield	—	—	—

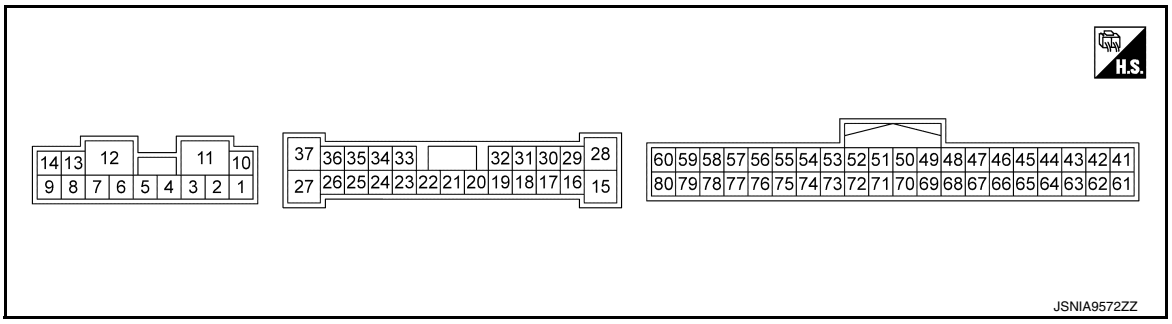
Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
85 (R)	86 (L)	Sound signal front RH (+)	Input	[Ignition switch ON] • Sound output	 SKIB3609E
86 (L)	—	Sound signal front RH (-)	—	—	—
87 (B)	88 (W)	Sound signal rear RH (+)	Input	[Ignition switch ON] • Sound output	 SKIB3609E
88 (W)	—	Sound signal rear RH (-)	—	—	—
89 (G)	—	USB ground	—	—	—
90 (W)	—	USB V BUS signal	—	—	—
91 (R)	—	USB D- signal	—	—	—
92 (L)	—	USB D+ signal	—	—	—
93 (—)	—	Shield	—	—	—
150 (—)	—	FM sub	Input	—	—
151 (—)	—	AM-FM main	Input	—	—
152 (—)	20 (B)	Antenna amp. ON signal	Output	[Ignition switch ACC]	12.0 V
176 (—)	20 (B)	Satellite radio antenna signal	Input	[Ignition switch ON] • Not connected satellite antenna connector.	5.0 V
177 (—)	—	Shield	—	—	—

BOSE AMP.

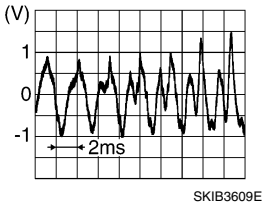
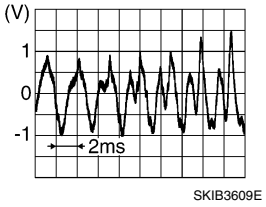
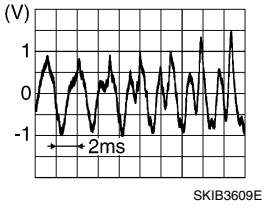
Reference Value

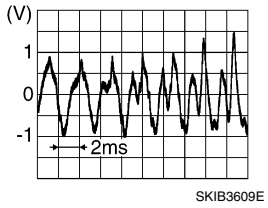
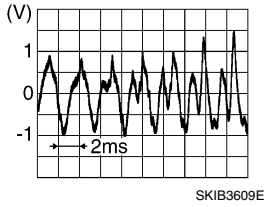
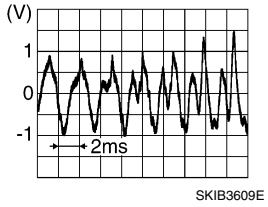
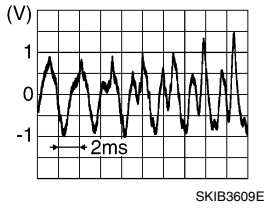
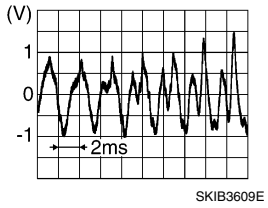
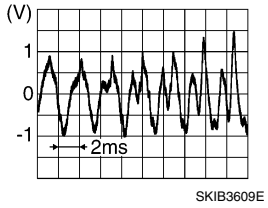
INFOID:0000000013717290

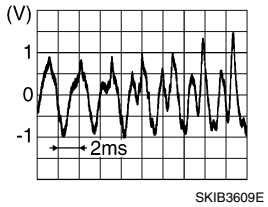
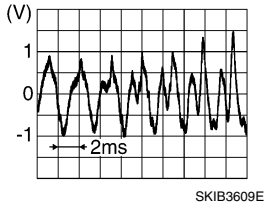
TERMINAL LAYOUT

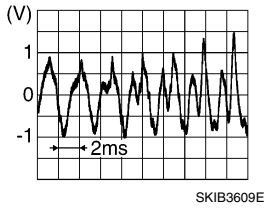
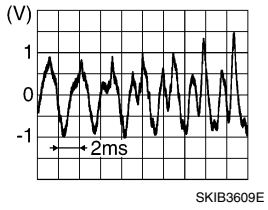
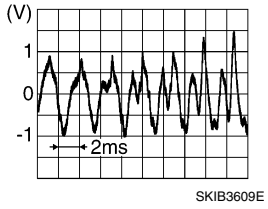
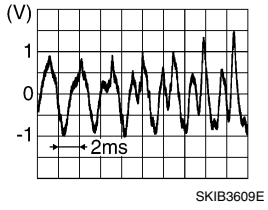
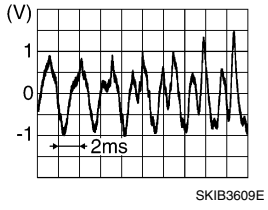
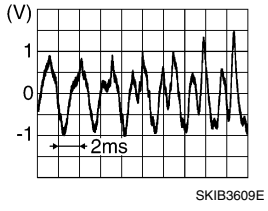


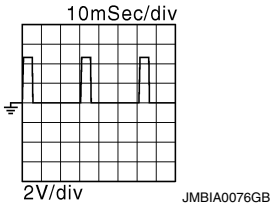
PHYSICAL VALUES

Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
1 (R)	2 (L)	Sound signal rear woofer LH (+)	Output	[Ignition switch ON] • Sound output	
2 (L)	—	Sound signal rear woofer LH (–)	—	—	—
3 (L)	4 (Y)	Sound signal door woofer RH (+)	Output	[Ignition switch ON] • Sound output	
4 (Y)	—	Sound signal door woofer RH (–)	—	—	—
5 (BR)	6 (R)	Sound signal rear woofer RH (+)	Output	[Ignition switch ON] • Sound output	
6 (R)	—	Sound signal rear woofer RH (–)	—	—	—
7 (B)	—	Ground	—	[Ignition switch ON]	0 V
8 (V)	—	Sound signal door woofer LH (–)	—	—	—
10 (BR)	7 (B)	Battery power supply	Input	[Ignition switch OFF]	Battery voltage

Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
11 (GR)	7 (B)	Battery power supply	Input	[Ignition switch OFF]	Battery voltage
12 (B)	—	Ground	—	[Ignition switch ON]	0 V
13 (P)	8 (V)	Sound signal door woofer LH (+)	Output	[Ignition switch ON] • Sound output	 SKIB3609E
16 (P)	29 (V)	Sound signal front squawker LH (+)	Output	[Ignition switch ON] • Sound output	 SKIB3609E
17 (BR)	18 (GR)	Sound signal center squawker (+)	Output	[Ignition switch ON] • Sound output	 SKIB3609E
18 (GR)	—	Sound signal center squawker (–)	—	—	—
19 (W)	32 (B)	Sound signal door squawker RH (+)	Output	[Ignition switch ON] • Sound output	 SKIB3609E
22 (W)	33 (B)	Sound signal rear squawker LH (+)	Output	[Ignition switch ON] • Sound output	 SKIB3609E
23 (L)	34 (P)	Sound signal rear squawker RH (+)	Output	[Ignition switch ON] • Sound output	 SKIB3609E

Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
24 (G)	35 (R)	Sound signal door squawker LH (+)	Output	[Ignition switch ON] • Sound output	
28* (B)	Ground	Engine type signal 2	Input	[Ignition switch ON]	0 V
29 (V)	—	Sound signal front squawker LH (–)	—	—	—
30 (L)	—	Sound signal front squawker RH (–)	—	—	—
31 (P)	30 (L)	Sound signal front squawker RH (+)	Output	[Ignition switch ON] • Sound output	
32 (B)	—	Sound signal door squawker RH (–)	—	—	—
33 (B)	—	Sound signal rear squawker LH (–)	—	—	—
34 (P)	—	Sound signal rear squawker RH (–)	—	—	—
35 (R)	—	Sound signal door squawker LH (–)	—	—	—
43 (W)	—	Front microphone (RH) ground	—	—	—
44 (R)	—	Voice guidance signal (–)	—	—	—
45 (R)	—	Sound signal LH (–)	—	—	—
46 (B)	—	Sound signal RH (–)	—	—	—
51 (B)	—	Rear microphone ground	—	—	—
52 (R)	—	Front microphone (LH) ground	—	—	—
54 (LG)	—	AV communication signal (L)	Input/ Output	—	—
56 (V)	7 (B)	ACC power supply	Input	[Ignition switch ACC]	Battery voltage

Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
63 (BG)	43 (W)	Front microphone (RH) signal	Input	[Ignition switch ON] • When inputting interior sound	 SKIB3609E
64 (G)	44 (R)	Voice guidance signal (+)	Input	[Ignition switch ON] • Sound output	 SKIB3609E
65 (L)	45 (R)	Sound signal LH (+)	Input	[Ignition switch ON] • Sound output	 SKIB3609E
66 (W)	46 (B)	Sound signal RH (+)	Input	[Ignition switch ON] • Sound output	 SKIB3609E
71 (R)	51 (B)	Rear microphone signal	Input	[Ignition switch ON] • When inputting interior sound	 SKIB3609E
72 (G)	52 (R)	Front microphone (LH) signal	Input	[Ignition switch ON] • When inputting interior sound	 SKIB3609E
74 (P)	—	AV communication signal (H)	Input/ Output	—	—

Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
78 (W)	7 (B)	Engine speed signal	Input	[Engine running] • Idle speed	 JMBIA0076GB
79 (—)	—	Shield	—	—	—

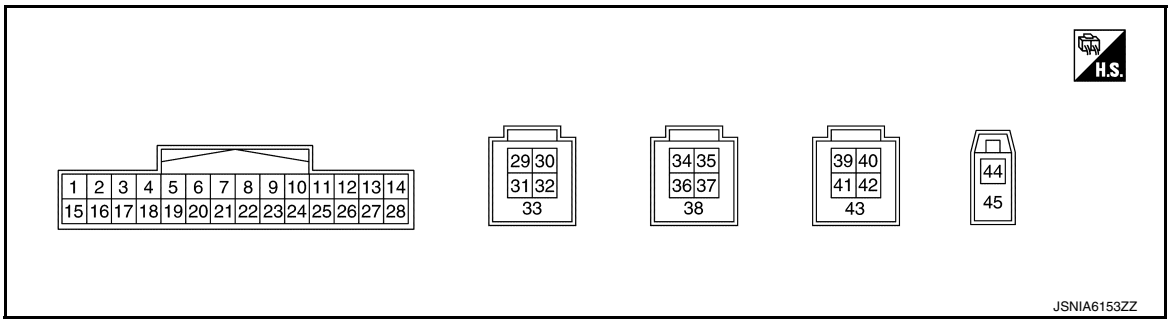
*: 2.0L turbo gasoline engine models

NAVI CONTROL UNIT

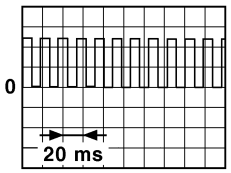
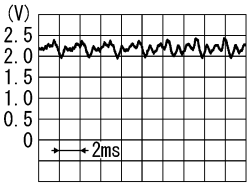
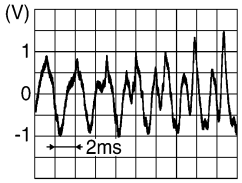
Reference Value

INFOID:0000000013717291

TERMINAL LAYOUT



PHYSICAL VALUES

Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
1 (Y)	3 (B)	Battery power supply	Input	[Ignition switch OFF]	Battery voltage
3 (B)	—	Ground	—	[Ignition switch ON]	0 V
5 (SB)	3 (B)	Acc power supply	Input	[Ignition switch ACC]	Battery voltage
7 (R)	3 (B)	Vehicle speed signal (8-pulse)	Input	[Ignition switch ON] • When vehicle speed is approx. 40 km/h (25 MPH)	**NOTE:** The maximum voltage varies depending on the specification (destination unit).  JSNIA0012GB
12 (G)	26 (R)	Microphone signal	Input	[Ignition switch ON] • Give a voice	 PKIB5037J
13 (—)	—	Shield	—	—	—
14 (W)	28 (B)	Voice guidance signal output (+)	Output	[Ignition switch ON] • Sound output	 SKIB3609E

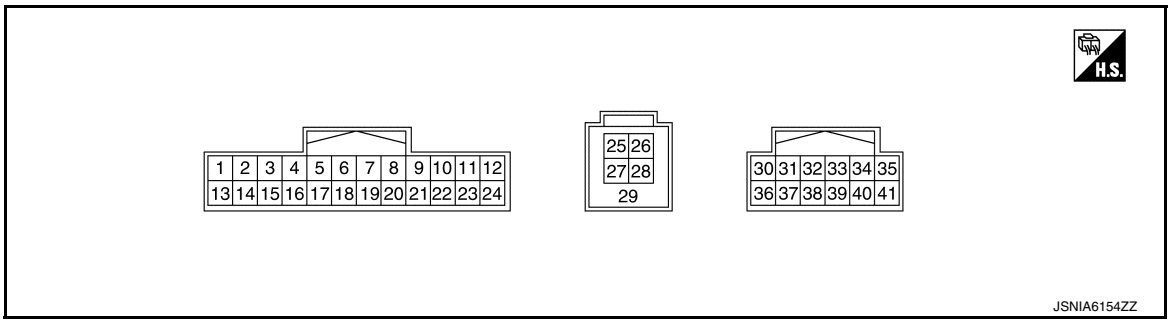
Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
15 (Y)	3 (B)	Battery power supply	Input	[Ignition switch OFF]	Battery voltage
17 (B)	—	Ground	—	[Ignition switch ON]	0 V
19 (W)	3 (B)	Ignition signal	Input	[Ignition switch ON]	Battery voltage
21 (BR)	3 (B)	Reverse signal	Input	[Ignition switch ON] • R position	12.0 V
				[Ignition switch ON] • Other than R position	0 V
26 (R)	—	Microphone signal ground	—	—	—
27 (—)	—	Shield	—	—	
28 (B)	—	Voice guidance signal output (–)	—	—	—
31 (W)	—	LVDS (+)	Input/ output	—	—
32 (B)	—	LVDS (–)	Input/ output	—	—
33 (—)	—	Shield	—	—	—
34 (G)	—	USB ground	—	—	—
35 (W)	—	USB V BUS signal	—	—	—
36 (R)	—	USB D- signal	—	—	—
37 (L)	—	USB D+ signal	—	—	—
38 (—)	—	Shield	—	—	—
39 (G)	—	USB ground	—	—	—
40 (W)	—	USB V BUS signal	—	—	—
41 (R)	—	USB D- signal	—	—	—
42 (L)	—	USB D+ signal	—	—	—
43 (—)	—	Shield	—	—	—
44 (—)	3 (B)	GPS antenna signal	Input	[Ignition switch ON] • Not connected GPS antenna connector	5.0 V
45 (—)	—	Shield	—	—	—

INTEGRAL SWITCH

Reference Value

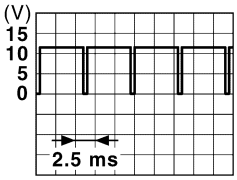
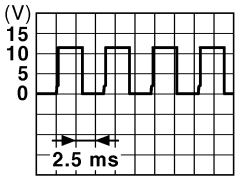
INFOID:0000000013717292

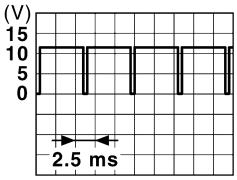
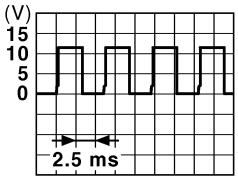
TERMINAL LAYOUT



PHYSICAL VALUES

Terminal (Wire color)		Description		Condition	Reference value (Approx.)
+	–	Signal name	Input/ Output		
2 (R)	13 (B)	Illumination signal	Input	[Ignition switch ON] • Lighting switch 1ST position	12.0 V
				[Ignition switch ON] • Lighting switch OFF	0 V
3 (LG)	—	AV communication signal (L)	—	—	—
4 (SB)	—	AV communication signal (H)	—	—	—
7 (W/B)	16 (BG)	Disk eject signal	Output	[Ignition switch ON] • Pressing the eject switch	0 - 1.5 V
				[Ignition switch ON] • Except for above	Battery voltage
13 (B)	—	Ground	—	[Ignition switch ON]	0 V
14 (SB)*1 (V)*2	13 (B)	ACC power supply	Input	[Ignition switch ACC]	Battery voltage

Terminal (Wire color)		Description		Condition		Reference value (Approx.)
+	–	Signal name	Input/ Output			
15 (B)	13 (B)	Illumination control signal	Input	[Ignition switch ON] • Lighting switch 1ST position • When meter illumination is minimum		 JSNIA5983GB
				[Ignition switch ON] • Lighting switch 1ST position • When meter illumination is step 11		 JPNIA1686GB
				[Ignition switch ON] • Lighting switch 1ST position • When meter illumination is maximum		0 V
16 (BG)	—	Disk eject signal ground	—	[Ignition switch ON]		0 V
18 (W)*1 (R)*2	13 (B)	Ignition signal	Input	[Ignition switch ON]		Battery voltage
19 (BR)	13 (B)	Camera switch signal	Output	[Ignition switch ON] • Camera switch: ON		0 - 2.5 V
				[Ignition switch ON] • Camera switch: OFF		3.0 V
27 (W)	—	LVDS (+)	Input/ output	—		—
28 (B)	—	LVDS (–)	Input/ output	—		—
29 (—)	—	Shield	—	—		—
30 (BR)	31 (W)	Illumination signal (Multi-function switch)	Output	[Ignition switch ON] • Lighting switch 1ST position		12.0 V
				[Ignition switch ON] • Lighting switch OFF		0 V
31 (W)	—	Ground (multifunction switch)	—	[Ignition switch ON]		0 V
32 (R)	31 (W)	ENCD-B signal	Input	[Ignition switch ON] • Multifunction switch: Rotate		2.0 - 4.3 V
33 (R)	31 (W)	Push switch A signal	Input	[Ignition switch ON] • Multifunction switch	OFF	4.3 - 4.9 V
					UP	2.8 - 3.3 V
					Down	1.6 - 2.0 V
					Back	0.4 - 0.55 V
34 (W)	31 (W)	Push switch C signal	Input	[Ignition switch ON] • Multifunction switch	OFF	4.3 - 4.9 V
					OK	2.3 - 2.8 V
					MAP/DISP	0.4 - 0.55 V

Terminal (Wire color)		Description		Condition		Reference value (Approx.)
+	–	Signal name	Input/ Output			
36 (V)	31 (W)	Illumination control signal (multifunction switch)	Output	[Ignition switch ON] • Lighting switch 1ST position • When meter illumination is minimum		 JSNIA5983GB
				[Ignition switch ON] • Lighting switch 1ST position • When meter illumination is step 11		 JPNIA1686GB
				[Ignition switch ON] • Lighting switch 1ST position • When meter illumination is maximum		0 V
37 (W)	31 (W)	ENCD-A signal	Input	[Ignition switch ON] • Multifunction switch: Rotate		2.0 - 4.3 V
38 (G)	31 (W)	Select switch signal	Input	[Ignition switch ON]		0.7 - 4.2 V
39 (B)	31 (W)	Push switch B signal	Input	[Ignition switch ON] • Multifunction switch	OFF	4.3 - 4.9 V
					Left	2.8 - 3.3 V
					Right	1.6 - 2.0 V
					CAMERA/ DAY NIGHT	0.4 - 0.55 V
40 (B)	—	Shield	—	—		—
41 (L)	31 (W)	L/R detection signal	Input	[Ignition switch ON]		0.7 - 4.2 V

*1: 2.0L turbo gasoline engine models
*2: VR30DDTT engine models

ACTIVE NOISE CONTROL UNIT

Reference Value

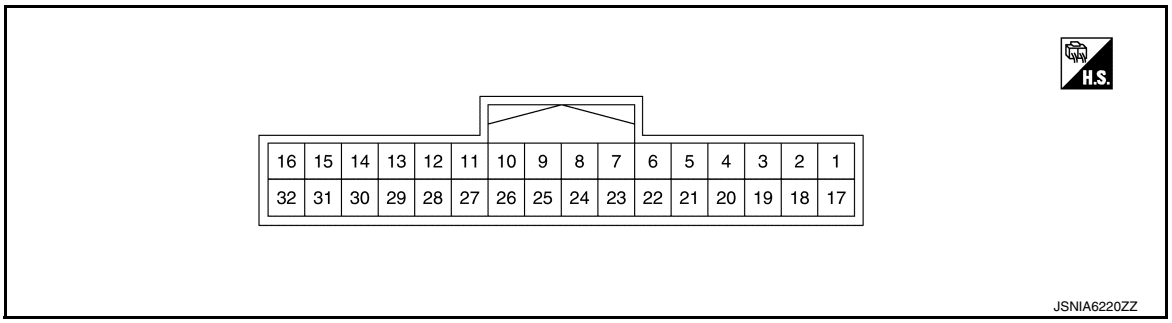
INFOID:0000000013717293

VALUES ON THE DIAGNOSIS TOOL

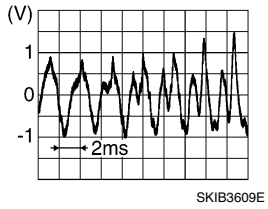
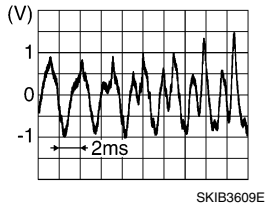
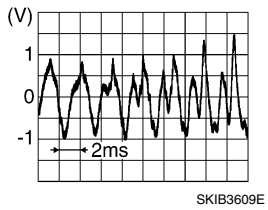
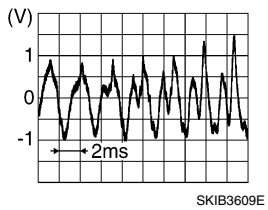
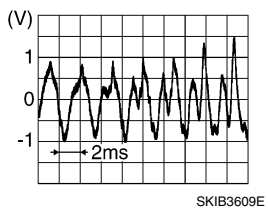
NOTE:
The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

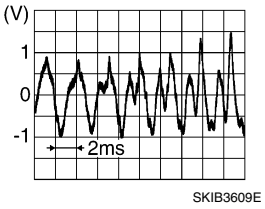
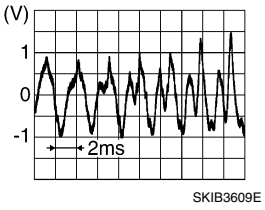
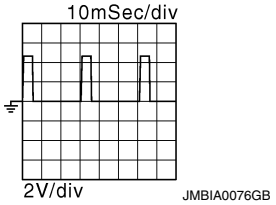
Monitor Item	Condition		Value/Status
ANC OPERATING CONDITION	Active noise cancellation system is not operating.		Off
	Active noise cancellation system is operating.		On
ASC OPERATING CONDITION	Active sound enhancement system is not operating.		Off
	Active sound enhancement system is operating.		On
ENGINE SPEED	Engine running.		Almost the same speed as the tachometer indication.
DOOR STATUS	**NOTE:** The item is indicated, but not monitored		
CONFIGURATION (PARA)	Ignition switch: ON	VR30DDTT engine (turbo low pressure) models	1
		2.0L turbo gasoline engine models	2
		VR30DDTT engine (turbo high pressure) models	3
		—	4
		—	5
		—	6
		—	7
		—	8
		—	9
		—	10
		—	11
		—	12
		—	13
		—	14
		—	15
		—	16

TERMINAL LAYOUT



PHYSICAL VALUES

Terminal (Wire color)		Description		Condition	Standard value	Reference value (Approx.)
+	–	Signal name	Input/ Output			
1 (—)	—	Ground	—	[Ignition switch ON]	—	0 V
2 (P)*1 (R)*2	—	CAN-L	Input/ Output	—	—	—
3*1 (B)	Ground	Engine type signal 1	—	[Ignition switch ON] **NOTE:** Output voltage varies with engine type 1.	0 - 5.0 V	0 V
4*2 (B)	Ground	Engine type signal 2	—	[Ignition switch ON] **NOTE:** Output voltage varies with engine type 2.	0 - 5.0 V	0 V
8 (G)	24 (R)	Front microphone signal (LH) (+)	Input	[Ignition switch ON] • When inputting interior sound	Waveform according to sound signal is input.	 SKIB3609E
9 (SB)*1 (BG)*2	25 (L)*1 (W)*2	Front microphone signal (RH) (+)	Input	[Ignition switch ON] • When inputting interior sound	Waveform according to sound signal is input.	 SKIB3609E
10 (BG)*1 (R)*2	26 (W)*1 (B)*2	Rear microphone signal (+)	Input	[Ignition switch ON] • When inputting interior sound	Waveform according to sound signal is input.	 SKIB3609E
12 (G)	28 (L)	Sound signal front LH (+)	Output	[Ignition switch ON] • Sound output	Outputs waveform synchronized with sound.	 SKIB3609E
13 (R)	29 (L)	Sound signal front RH (+)	Output	[Ignition switch ON] • Sound output	Outputs waveform synchronized with sound.	 SKIB3609E

Terminal (Wire color)		Description		Condition	Standard value	Reference value (Approx.)
+	–	Signal name	Input/ Output			
14 (LG)	30 (P)	Sound signal rear LH (+)	Output	[Ignition switch ON] • Sound output	Outputs waveform synchronized with sound.	 SKIB3609E
15 (B)	31 (W)	Sound signal rear RH (+)	Output	[Ignition switch ON] • Sound output	Outputs waveform synchronized with sound.	 SKIB3609E
16 (V)	23 (B)	ACC power supply	Input	[Ignition switch ACC]	9.0 - 16.0 V	Battery voltage
18 (L)	—	CAN-H	Input/ Output	—	—	—
19 (P)	23 (B)	Engine speed signal	Input	[Engine is running] • Idle **NOTE:** The pulse cycle changes depending on engine type.	—	 JMBIA0076GB
20 (W)	23 (B)	Ignition signal	Input	[Ignition switch ON]	9.0 - 16.0 V	Battery voltage
23 (B)	—	Ground	—	[Ignition switch ON]	—	0 V
24 (R)	—	Front microphone signal (LH) (–)	—	—	—	—
25 (L)*1 (W)*2	—	Front microphone signal (RH) (–)	—	—	—	—
26 (W)*1 (B)*2	—	Rear microphone signal (–)	—	—	—	—
28 (L)	—	Sound signal front LH (–)	—	—	—	—
29 (L)	—	Sound signal front RH (–)	—	—	—	—
30 (P)	—	Sound signal rear LH (–)	—	—	—	—
31 (W)	—	Sound signal rear RH (–)	—	—	—	—
32 (Y)	23 (B)	Battery power supply	Input	[Ignition switch OFF]	9 - 16.0 V	Battery voltage

*1: 2.0L turbo gasoline engine models
*2: VR30DDTT engine models

Fail-Safe (Active Noise Control Unit)

INFOID:0000000013717294

If a malfunction occurs in the Active noise cancellation system or Active sound enhancement system, active noise control unit performs fail-safe activation according to the detected malfunction.

Detection item	ANC/ASC operation in fail-safe mode	DTC
Active noise control unit	Active noise cancellation system and Active sound enhancement system function are deactivated.	B1F00
	DTC B1F05, B1F06, B1F07 and B1F20 is detected	U1010
Engine speed signal	Active noise cancellation system and Active sound enhancement system function are deactivated.	B1F01
CAN communication	Active noise cancellation system and Active sound enhancement system function are deactivated	B1F05 U0100 U0140
	Active sound enhancement system function is deactivated	B1F06 B1F20 U0155
	Active noise cancellation system and Active sound enhancement system are fixed to a standard mode.	B1F07 U0198
	DTC B1F05, B1F06, B1F07 and B1F20 is detected	U1000
Front microphone (LH)	Active noise cancellation system function is deactivated	B1F0A
Front microphone (RH)		B1F0F
Rear microphone		B1F14

DTC Inspection Priority Chart

INFOID:0000000013717295

If multiple DTCs are detected simultaneously, check them one by one depending on the following DTC inspection priority chart.

Priority	Detected items (DTC)
1	• U1000: CAN COMM CIRCUIT • U1010: CONTROL UNIT (CAN) • B1F00 ANC UNIT
2	• B1F05: CAN SIG ERROR/DIAG • B1F06: CAN SIG ERROR/ASC • B1F07: CAN SIG ERROR/MODE SWITCHING • B1F20: CAN SIG ERROR/ASC • U0100: LOST COMM (ECM A) • U0140: LOST COMM (BCM) • U0155: LOST COMM (METER) • U0198: LOST COMM (TCU)
3	• B1F01: ENG SPEED SIG ERROR • B1F0A: ANC MIC1/CONTROL UNIT • B1F0F: ANC MIC2/CONTROL UNIT • B1F14: ANC MIC3/CONTROL UNIT

DTC Index

INFOID:0000000013717296

ACTIVE NOISE CONTROL

DTC	CONSULT display	Reference
B1F00	ANC UNIT	AV-294, "DTC Description"
B1F01	ENG SPEED SIG ERROR	AV-296, "WITHOUT BOSE SYSTEM : DTC Description"
B1F05	CAN SIG ERROR/DIAG	AV-300, "DTC Description"
B1F06	CAN SIG ERROR/ASC	AV-300, "DTC Description"

DTC	CONSULT display	Reference
B1F07	CAN SIG ERROR/MODE SWITCHING	AV-300, "DTC Description"
B1F0A	ANC MIC1/CONTROL UNIT	AV-302, "DTC Description"
B1F0F	ANC MIC2/CONTROL UNIT	AV-307, "DTC Description"
B1F14	ANC MIC3/CONTROL UNIT	AV-312, "DTC Description"
B1F20	CAN SIG ERROR/ASC	AV-317, "DTC Description"
U0100	LOST COMM (ECM A)	AV-319, "DTC Description"
U0140	LOST COMM (BCM)	AV-321, "DTC Description"
U0155	LOST COMM (METER)	AV-323, "DTC Description"
U0198	LOST COMM (TCU)	AV-325, "DTC Description"
U1000	CAN COMM CIRCUIT	AV-328, "ACTIVE NOISE CONTROL UNIT : DTC Description"
U1010	CONTROL UNIT (CAN)	AV-330, "ACTIVE NOISE CONTROL UNIT : DTC Description"

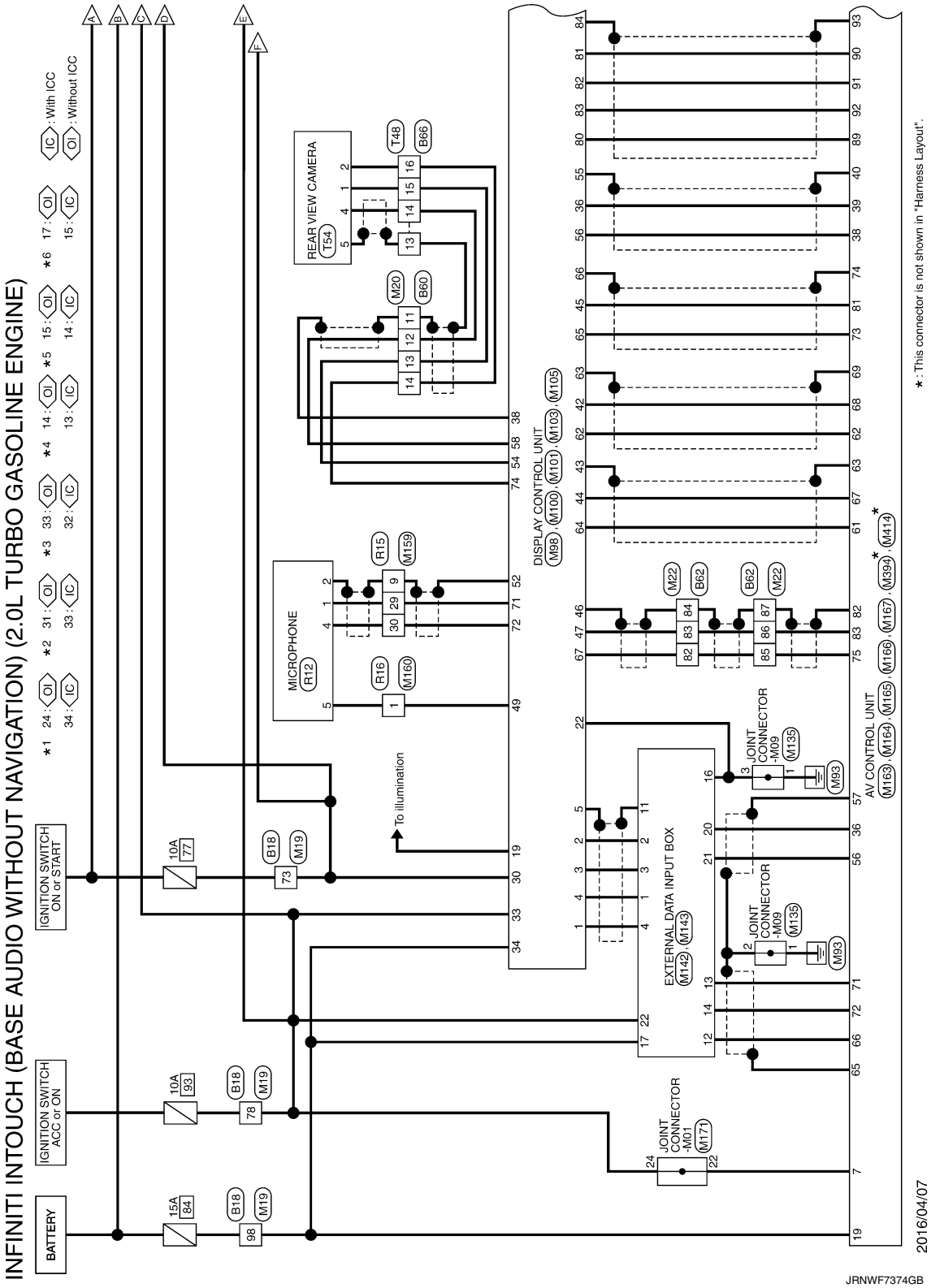
WIRING DIAGRAM

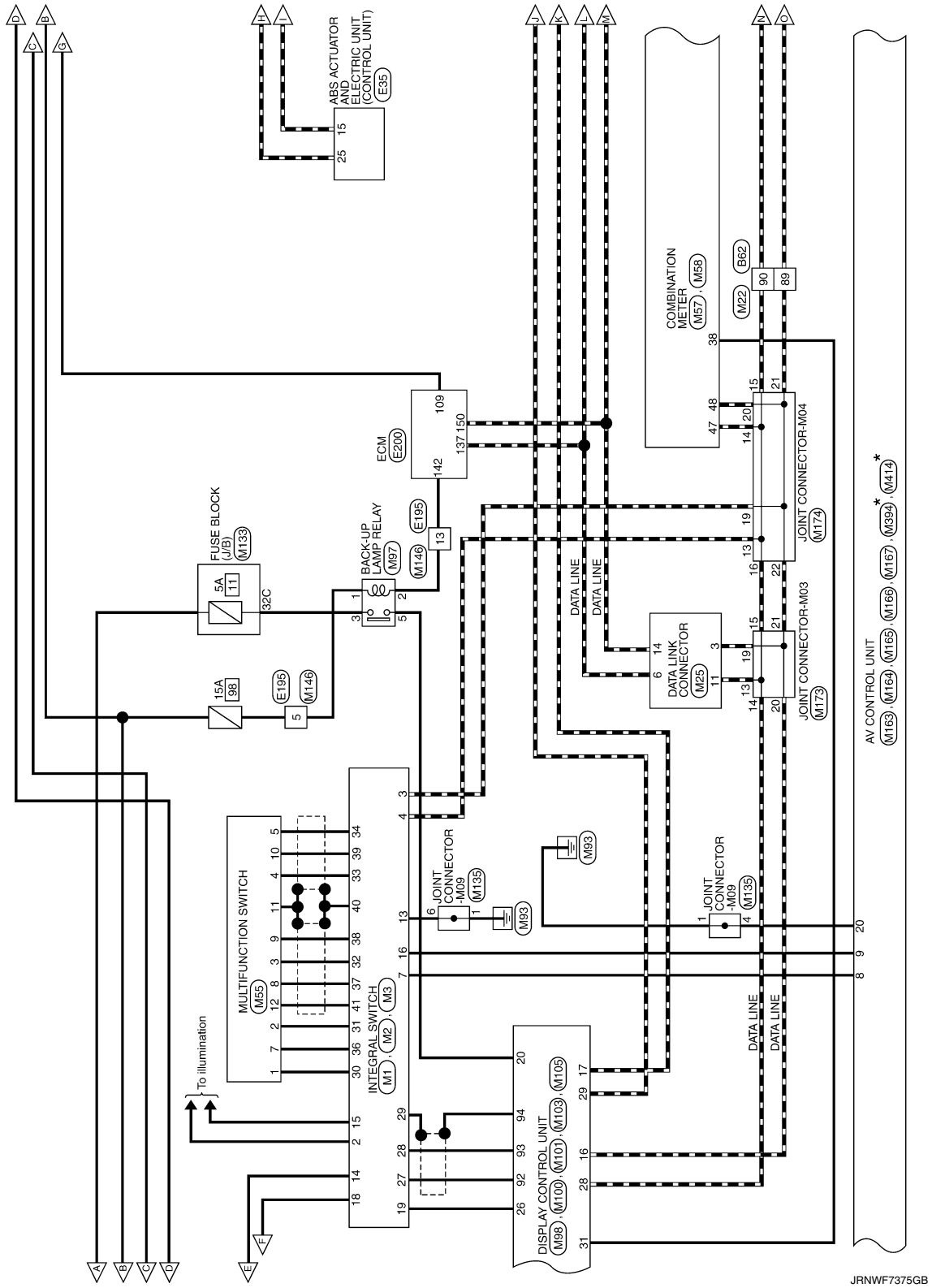
INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION)

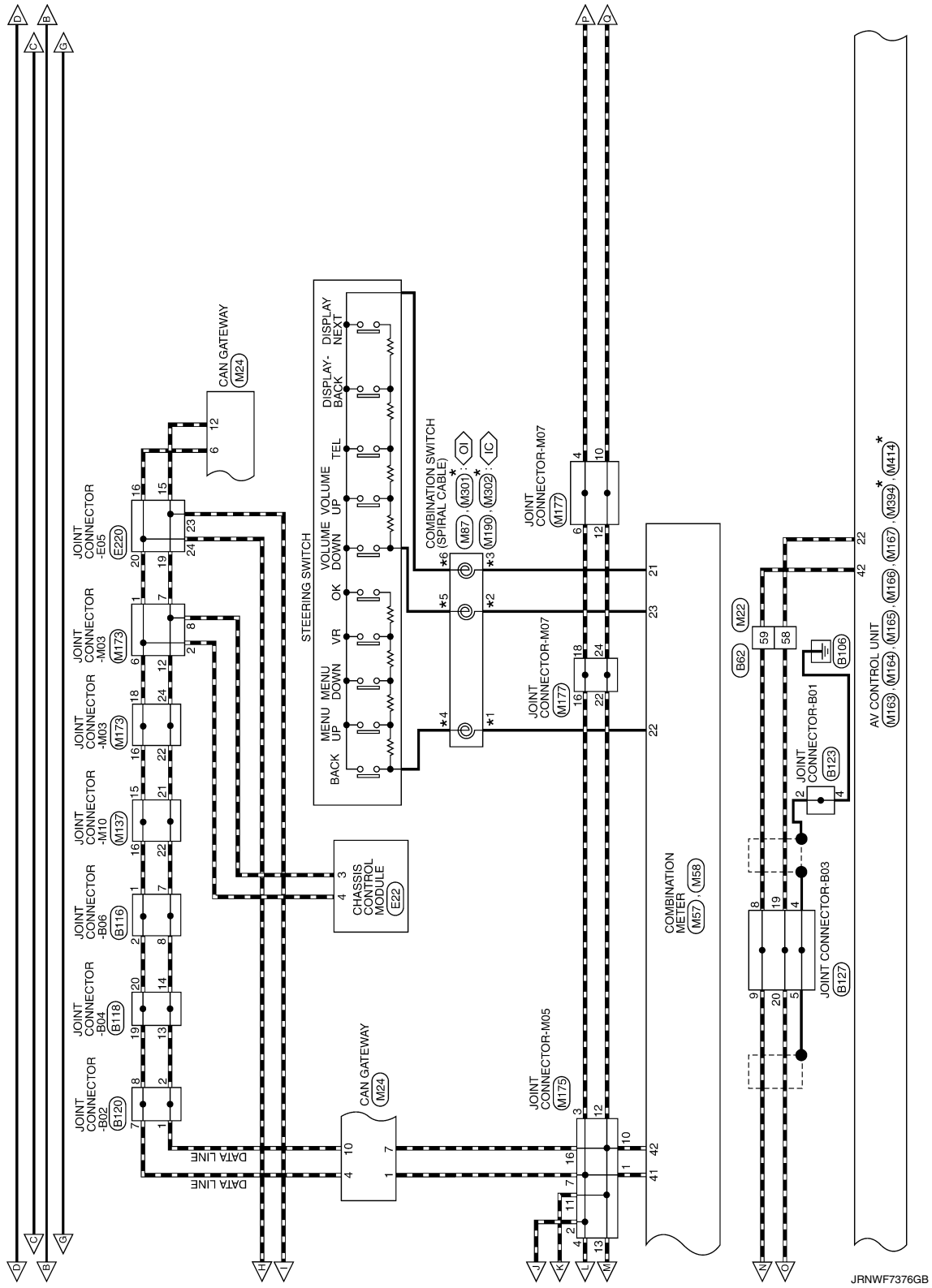
Wiring Diagram

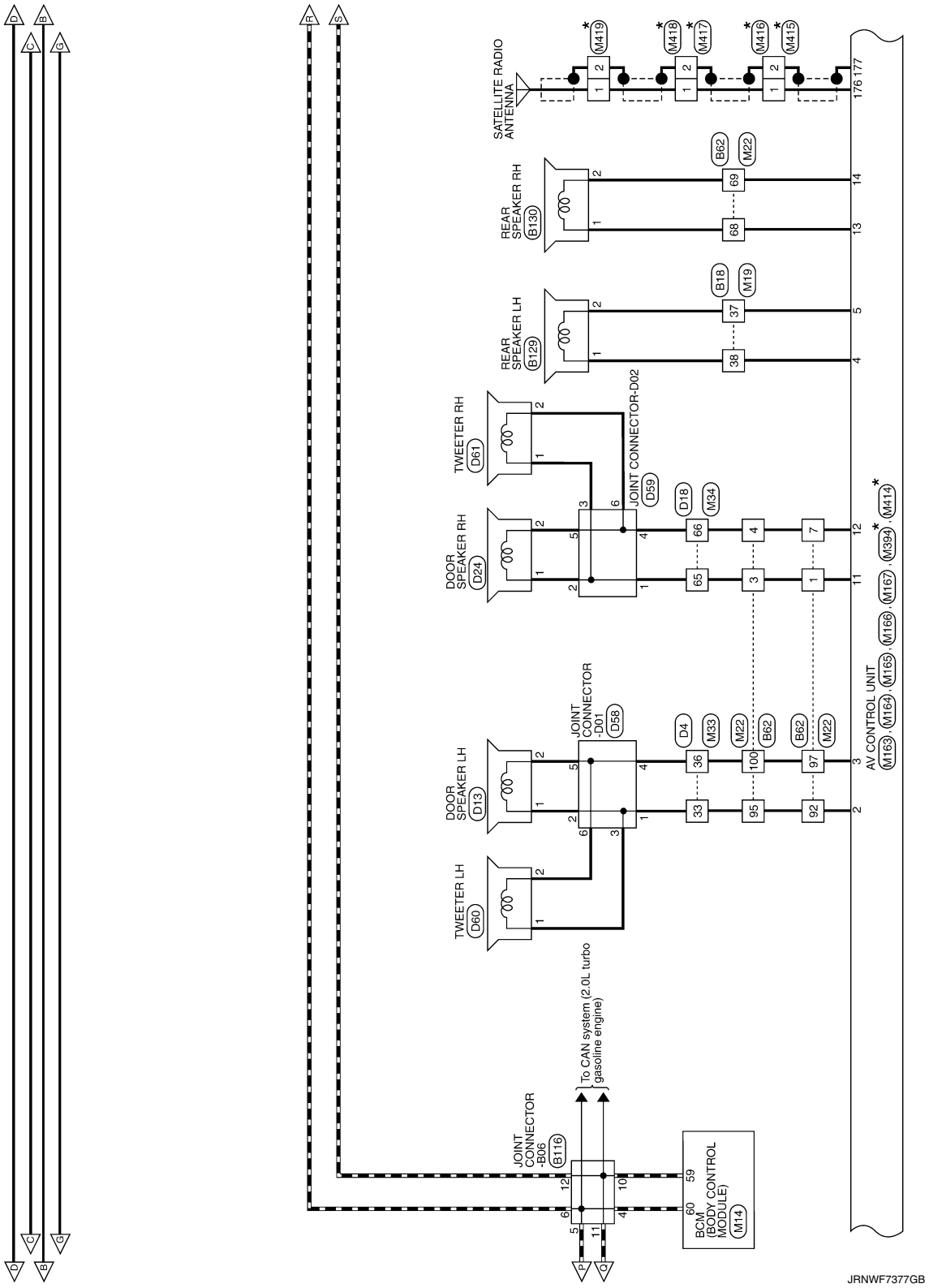
INFOID:0000000013717297

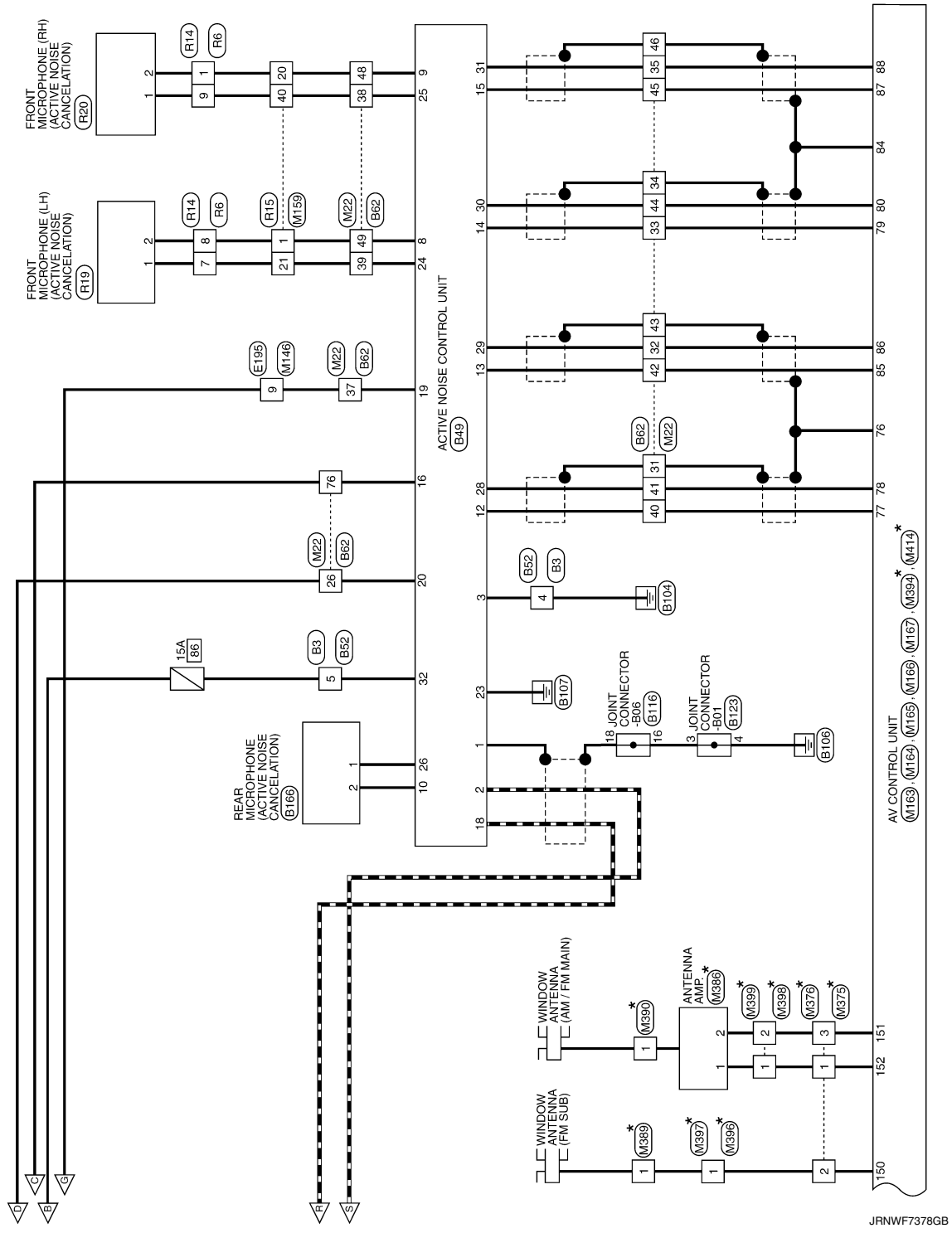
2.0L TURBO GASOLINE ENGINE




ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) E35
COMBINATION METER M57 M58
M22 B62
ECM E200
FUSE BLOCK (J/B) M133
BACK-UP LAMP RELAY M97
E195 M146
5A 11
15A 98
32C
JOINT CONNECTOR-M04 M174
JOINT CONNECTOR-M03 M173
DATA LINE
DATA LINK CONNECTOR M25
AV CONTROL UNIT M163, M164, M165, M166, M167, M394*, M414*
MULTIFUNCTION SWITCH M55
INTEGRAL SWITCH M1, M2, M3
JOINT CONNECTOR -M09 M135
M93
To illumination
DISPLAY CONTROL UNIT M98, M100, M101, M103, M105
JRNWF7375GB


CAN GATEWAY
M24
JOINT CONNECTOR -E05
E220
JOINT CONNECTOR -M03
M173
JOINT CONNECTOR -M10
M137
JOINT CONNECTOR -B06
B116
JOINT CONNECTOR -B04
B118
JOINT CONNECTOR -B02
B120
STEERING SWITCH
DISPLAY-BACK
DISPLAY NEXT
TEL
VOLUME UP
VOLUME DOWN
OK
VR
MENU DOWN
MENU UP
BACK
COMBINATION SWITCH (SPIRAL CABLE)
M87
M301
M190
M302
OI
IC
CHASSIS CONTROL MODULE
E22
JOINT CONNECTOR-M07
M177
JOINT CONNECTOR-M05
M175
COMBINATION METER
M57
M58
JOINT CONNECTOR-B01
B123
JOINT CONNECTOR-B03
B127
AV CONTROL UNIT
M163
M164
M165
M166
M167
M394
M414
B62
M22
B106
DATA LINE
JRNWF7376GB


SATELLITE RADIO ANTENNA
REAR SPEAKER RH B130
REAR SPEAKER LH B129
TWEETER RH D61
DOOR SPEAKER RH D24
JOINT CONNECTOR-D02 D59
JOINT CONNECTOR -D01 D58
DOOR SPEAKER LH D13
TWEETER LH D60
JOINT CONNECTOR -B06 B116
To CAN system (2.0L turbo gasoline engine)
BCM (BODY CONTROL MODULE) M14
AV CONTROL UNIT M163, M164, M165, M166, M167, M394, M414
JRNWF7377GB


FRONT MICROPHONE (RH) (ACTIVE NOISE CANCELATION) R20
FRONT MICROPHONE (LH) (ACTIVE NOISE CANCELATION) R19
REAR MICROPHONE (ACTIVE NOISE CANCELATION) B166
ACTIVE NOISE CONTROL UNIT B49
15A 86
JOINT CONNECTOR -B06 B116
JOINT CONNECTOR -B01 B123
B104
B106
B107
WINDOW ANTENNA (AM / FM MAIN) M390
WINDOW ANTENNA (FM SUB) M389 M397 M396
ANTENNA AMP. M386
M399 M398 M376 M375
AV CONTROL UNIT M163, M164, M165, M166, M167, M394, M414
JRNWF7378GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	B3
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS

H.S.

7	6	5	4		3	2	1
16	15	14	13	12	11	10	9	8

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
4	B	- [With 2.0L turbo gasoline engine]
4	BR	- [With VR30 engine]
5	BR	- [With 2.0L turbo gasoline engine and with BOSE system]
5	Y	- [Except with 2.0L turbo gasoline engine and with BOSE system]
6	SHIELD	-
7	R	-
8	SHIELD	-
9	P	-
11	B	-
12	GR	-
13	G	-
14	B	-
15	W	-
16	BR	-

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	L	-
5	Y	-
7	V	-
10	BG	-
11	BG	-
12	LG	-
13	GR	-
14	R	-
15	L	-
16	V	-
18	W	-
19	BR	-
20	W	-
22	R	-
23	V	-
24	R	- [With 2.0L turbo gasoline engine]
24	Y	- [With VR30 engine]
25	V	- [With 2.0L turbo gasoline engine]
25	W	- [With VR30 engine]
26	G	-
27	R	-
28	R	-
31	B	- [With VR30 engine]
31	BR	- [With 2.0L turbo gasoline engine]
32	B	-
33	B	-
34	LG	-
35	P	-
36	W	-
37	SB	-
38	LG	-
40	P	-
41	SB	-
42	BR	-
43	BG	-
44	BG	-
46	R	-
50	W	-
51	SB	-
52	V	-
53	LG	-
54	R	-
55	R	-
58	V	-
59	GR	-
60	G	-
61	G	-
62	BG	-
63	BR	-
64	Y	-
66	R	-
70	R	-
71	W	-
72	B	-
73	W	-
74	L	-
75	R	-
76	BR	-
77	B	-
78	SB	-
79	W	-
81	B	-
82	R	-
83	BG	-
84	L	-
85	R	-
86	B	-
88	G	-
89	V	-
91	GR	-
93	GR	-
94	GR	-
96	Y	-
98	BR	- [With VR30 engine and with BOSE system]
98	Y	- [Except with VR30 engine and with BOSE system]

Connector No.	B49
Connector Name	ACTIVE NOISE CONTROL UNIT
Connector Type	TH32FW-NH

H.S.

16	15	14	13	12		10	9	8			4	3	2	1
32	31	30	29	28		26	25	24	23			20	19	18

Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	GROUND
2	P	CAN-L [With 2.0L turbo gasoline engine]
2	R	CAN-L [With VR30 engine]
3	B	ENGINE TYPE SIGNAL 1
4	B	ENGINE TYPE SIGNAL 2
8	G	FRONT MICROPHONE SIGNAL (LH) (+)
9	BG	FRONT MICROPHONE SIGNAL (RH) (+) [With VR30 engine]
9	SB	FRONT MICROPHONE SIGNAL (RH) (+) [With 2.0L turbo gasoline engine]
10	BG	REAR MICROPHONE SIGNAL (+) [With 2.0L turbo gasoline engine]
10	R	REAR MICROPHONE SIGNAL (+) [With VR30 engine]
12	G	SOUND SIGNAL FRONT LH (+)
13	R	SOUND SIGNAL FRONT RH (+)
14	LG	SOUND SIGNAL REAR LH (+)
15	B	SOUND SIGNAL REAR RH (+)
16	V	ACC POWER SUPPLY
18	L	CAN-H
19	P	ENGINE SPEED SIGNAL
20	W	IGNITION SIGNAL
23	B	GROUND
24	R	FRONT MICROPHONE SIGNAL (LH) (-)
25	L	FRONT MICROPHONE SIGNAL (RH) (-) [With 2.0L turbo gasoline engine]
25	W	FRONT MICROPHONE SIGNAL (RH) (-) [With VR30 engine]
26	B	REAR MICROPHONE SIGNAL (-) [With 2.0L turbo gasoline engine]
26	W	REAR MICROPHONE SIGNAL (-) [With VR30 engine]
28	L	SOUND SIGNAL FRONT LH (-)
29	L	SOUND SIGNAL FRONT RH (-)
30	P	SOUND SIGNAL REAR LH (-)
31	W	SOUND SIGNAL REAR RH (-)
32	Y	BATTERY POWER SUPPLY

Connector No.	B52
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
4	B	- [With 2.0L turbo gasoline engine]
4	BR	- [With VR30 engine]
5	BR	- [With 2.0L turbo gasoline engine and with BOSE system]
5	Y	- [Except with 2.0L turbo gasoline engine and with BOSE system]
6	SHIELD	-
7	R	-
8	SHIELD	-
9	P	-
11	B	-
12	GR	-
13	G	-
14	B	-

JRNWF7379GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

15	W	-
16	BR	-

Connector No.	B60
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH

H.S.

8	7	6	5	4	3	2	1	
16	15	14	13	12	11	10	9	

Terminal No.	Color Of Wire	Signal Name [Specification]
7	R	-
8	L	-
10	Y	-
11	SHIELD	-
12	B	-
13	W	-
14	R	-

Connector No.	B62
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	[With 2.0L turbo gasoline engine and without BOSE system]
1	LG	- [With VR30 engine]
1	W	- [With 2.0L turbo gasoline engine and with BOSE system]
2	L	- [With VR30 engine]
2	SHIELD	- [With 2.0L turbo gasoline engine]
3	BR	- [With 2.0L turbo gasoline engine]
3	R	- [With VR30 engine and with BOSE system]
3	W	- [With VR30 engine and without BOSE system]
4	SHIELD	- [With VR30 engine]

4	Y	- [With 2.0L turbo gasoline engine]
5	G	- [With VR30 engine]
5	V	- [With 2.0L turbo gasoline engine]
6	BG	- [With VR30 engine]
6	BR	- [With 2.0L turbo gasoline engine]
7	B	[With 2.0L turbo gasoline engine and with BOSE system]
7	BR	- [With VR30 engine and without BOSE system]
7	W	- [With VR30 engine and with BOSE system]
7	Y	[With 2.0L turbo gasoline engine and without BOSE system]
8	B	- [With VR30 engine and with BOSE system]
8	G	- [With 2.0L turbo gasoline engine]
8	Y	- [With VR30 engine and without BOSE system]
9	LG	- [With 2.0L turbo gasoline engine]
9	SHIELD	- [With VR30 engine]
10	V	-
11	GR	-
12	Y	-
13	R	-
14	BG	-
15	BG	- [With 2.0L turbo gasoline engine]
15	GR	- [With VR30 engine]
16	V	-
17	P	-
18	L	-
19	G	-
20	GR	-
21	R	-
23	W	-
24	BG	- [With 2.0L turbo gasoline engine]
24	V	- [With VR30 engine]
25	L	- [With 2.0L turbo gasoline engine]
25	SB	- [With VR30 engine]
26	G	- [With VR30 engine]
26	W	- [With 2.0L turbo gasoline engine]
27	R	-
28	R	-
29	LG	-
30	LG	- [With 2.0L turbo gasoline engine]
30	P	- [With VR30 engine]
31	SHIELD	-
32	L	-
33	B	- [With VR30 engine]
33	LG	- [With 2.0L turbo gasoline engine]
34	SHIELD	-
35	LG	- [With VR30 engine]
35	W	- [With 2.0L turbo gasoline engine]
36	R	-
37	P	[With 2.0L turbo gasoline engine and without BOSE system]
37	R	- [With VR30 engine]
37	W	- [With 2.0L turbo gasoline engine and with BOSE system]

38	L	- [With 2.0L turbo gasoline engine and without BOSE system]
38	W	- [Except with 2.0L turbo gasoline engine and without BOSE system]
39	P	- [With VR30 engine and without BOSE system]
39	R	- [With 2.0L turbo gasoline engine]
39	W	- [With VR30 engine and with BOSE system]
40	G	-
41	L	-
42	R	-
43	SHIELD	-
44	P	-
45	B	- [With 2.0L turbo gasoline engine]
45	G	- [With VR30 engine]
46	SHIELD	-
47	G	-
48	BG	[Except with 2.0L turbo gasoline engine and without BOSE system]
48	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
49	G	-
51	GR	- [With 2.0L turbo gasoline engine]
51	L	- [With VR30 engine]
52	W	- [With 2.0L turbo gasoline engine]
52	Y	- [With VR30 engine]
53	R	-
54	GR	-
55	L	-
56	V	-
57	R	-
58	LG	-
59	P	-
60	BR	-
61	L	- [With 2.0L turbo gasoline engine]
61	R	- [With VR30 engine]
62	P	- [With 2.0L turbo gasoline engine]
62	V	- [With VR30 engine]
63	L	-
64	W	-
65	R	-
66	L	- [With 2.0L turbo gasoline engine]
66	LG	- [With VR30 engine]
67	G	-
68	L	-
69	P	-
71	GR	- [With 2.0L turbo gasoline engine]
71	R	- [With VR30 engine]
72	G	- [With VR30 engine]
72	Y	- [With 2.0L turbo gasoline engine]
73	R	- [With 2.0L turbo gasoline engine]
73	SHIELD	- [With VR30 engine]
74	BG	- [With 2.0L turbo gasoline engine]
74	L	- [With VR30 engine]
75	GR	- [With 2.0L turbo gasoline engine]

75	V	- [With VR30 engine]
76	GR	- [With VR30 engine]
76	V	- [With 2.0L turbo gasoline engine]
77	P	-
78	L	-
79	G	-
80	GR	- [With 2.0L turbo gasoline engine]
80	W	- [With VR30 engine]
81	B	- [With VR30 engine]
81	R	- [With 2.0L turbo gasoline engine]
82	G	- [With 2.0L turbo gasoline engine]
82	SHIELD	- [With VR30 engine]
83	R	- [With 2.0L turbo gasoline engine]
83	W	- [With VR30 engine]
84	BR	- [With VR30 engine]
84	SHIELD	- [With 2.0L turbo gasoline engine]
85	BG	- [With VR30 engine]
85	G	- [With 2.0L turbo gasoline engine]
86	R	-
87	LG	- [With VR30 engine]
87	SHIELD	- [With 2.0L turbo gasoline engine]
88	R	-
89	LG	-
90	P	-
92	L	- [With 2.0L turbo gasoline engine]
92	W	- [With VR30 engine]
93	SHIELD	-
94	R	-
95	L	- [With 2.0L turbo gasoline engine]
95	Y	- [With VR30 engine]
96	W	-
97	L	- [With VR30 engine]
97	R	[With 2.0L turbo gasoline engine and with BOSE system]
97	W	[With 2.0L turbo gasoline engine and without BOSE system]
99	BR	- [With VR30 engine and with BOSE system]
99	P	- [With 2.0L turbo gasoline engine]
99	Y	[With VR30 engine and without BOSE system]
100	BR	- [With VR30 engine]
100	W	- [With 2.0L turbo gasoline engine]

JRNWF7380GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	B66
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	BG	-
4	SHIELD	-
5	W	-
6	GR	-
8	B	-
9	R	-
10	P	-
11	B	-
13	SHIELD	- [With rear view monitor]
13	W	- [With around view monitor]
14	B	- [With rear view monitor]
14	G	- [With around view monitor]
15	R	- [With around view monitor]
15	W	- [With rear view monitor]
16	B	- [With around view monitor]
16	R	- [With rear view monitor]

Connector No.	B116
Connector Name	JOINT CONNECTOR-B06
Connector Type	24342_4GA2A

H.S.

6	5	4	3	2	1	
12	11	10	9	8	7	
18	17	16	15	14	13	
24	23	22	21	20	19	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	L	-
3	L	-
4	L	-
5	L	-
6	L	-
7	R	-
8	R	- [With Gateway]
8	V	- [Without Gateway]
9	R	- [With Gateway]
9	V	- [Without Gateway]
10	V	-
11	V	-
12	P	- [With 2.0L turbo gasoline engine]
12	R	- [With VR30 engine]
13	SHIELD	-
14	SHIELD	-
15	SHIELD	-
16	SHIELD	-
17	SHIELD	-
18	SHIELD	-
19	L	-
20	L	-
21	L	-
22	R	-
23	R	-
24	R	-

Connector No.	B118
Connector Name	JOINT CONNECTOR-B04
Connector Type	24342_4GA2A

H.S.

6	5	4	3	2	1	
12	11	10	9	8	7	
18	17	16	15	14	13	
24	23	22	21	20	19	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	- [With VR30 engine]
1	SHIELD	- [With 2.0L turbo gasoline engine]
2	LG	- [With VR30 engine]
2	SHIELD	- [With 2.0L turbo gasoline engine]
3	LG	- [With VR30 engine]
3	SHIELD	- [With 2.0L turbo gasoline engine]
4	LG	- [With VR30 engine]
4	SHIELD	- [With 2.0L turbo gasoline engine]
5	LG	- [With VR30 engine]
5	SHIELD	- [With 2.0L turbo gasoline engine]
6	LG	- [With VR30 engine]
6	SHIELD	- [With 2.0L turbo gasoline engine]
7	LG	- [With 2.0L turbo gasoline engine]
7	R	- [With VR30 engine]
8	R	-
9	LG	- [With 2.0L turbo gasoline engine]
9	R	- [With VR30 engine]
10	LG	- [With 2.0L turbo gasoline engine]
10	SHIELD	- [With VR30 engine]
11	LG	- [With 2.0L turbo gasoline engine]
11	SHIELD	- [With VR30 engine]
12	LG	- [With 2.0L turbo gasoline engine]
12	SHIELD	- [With VR30 engine]
13	L	- [With VR30 engine]
13	R	- [With 2.0L turbo gasoline engine]
14	L	- [With VR30 engine]
14	R	- [With 2.0L turbo gasoline engine]
15	L	- [With VR30 engine]
15	R	- [With 2.0L turbo gasoline engine]
16	L	-
17	L	-
18	L	-
19	L	- [With 2.0L turbo gasoline engine]
19	SHIELD	- [With VR30 engine]
20	L	- [With 2.0L turbo gasoline engine]
20	SHIELD	- [With VR30 engine]
21	L	- [With 2.0L turbo gasoline engine]
21	SHIELD	- [With VR30 engine]
22	R	-
23	R	-
24	R	-

Connector No.	B120
Connector Name	JOINT CONNECTOR-B02
Connector Type	24342_4GA2A

H.S.

6	5	4	3	2	1	
12	11	10	9	8	7	
18	17		15	14	13	
24	23	22	21	20	19	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	L	-
3	L	- [With VR30 engine]
3	R	- [With 2.0L turbo gasoline engine]
4	L	- [With VR30 engine]
4	R	- [With 2.0L turbo gasoline engine]
5	L	-
6	L	-
7	L	-
8	L	-
9	L	- [With 2.0L turbo gasoline engine]
9	R	- [With VR30 engine]
10	L	- [With 2.0L turbo gasoline engine]
10	R	- [With VR30 engine]
11	R	-
12	R	-
13	W	-
14	W	-
15	W	-
17	SHIELD	-
18	B	-
19	B	- [With 2.0L turbo gasoline engine]
19	GR	- [With VR30 engine]
20	GR	- [With VR30 engine]
20	SHIELD	- [With 2.0L turbo gasoline engine]
21	B	- [With 2.0L turbo gasoline engine]
21	GR	- [With VR30 engine]
22	W	-
23	W	-
24	W	-

Connector No.	B123
Connector Name	JOINT CONNECTOR-B01
Connector Type	TK04FW-J

H.S.

0	4	3	2	1	0

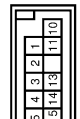
Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	-
2	SHIELD	-
3	B	- [With 2.0L turbo gasoline engine]
3	SHIELD	- [With VR30 engine]
4	B	-

JRNWF7381GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	B127
Connector Name	JOINT CONNECTOR-B03
Connector Type	NH20FG-DC

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	SHIELD	-
3	SHIELD	-
4	SHIELD	-
5	SHIELD	-
6	P	-
7	P	-
8	P	-
9	P	-
10	LG	-
11	LG	-
13	BG	-
14	BG	-
15	BG	-
17	LG	-
18	LG	-
19	LG	-
20	LG	-

Connector No.	B129
Connector Name	REAR SPEAKER LH
Connector Type	NS02FW-LC

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	SB	-

Connector No.	B130
Connector Name	REAR SPEAKER RH
Connector Type	NS02FW-LC

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	P	-

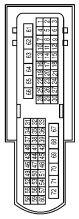
Connector No.	B166
Connector Name	REAR MICROPHONE (ACTIVE NOISE CANCELLATION)
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	MIC_GND [Except with 2.0L turbo gasoline engine and without BOSE system]
1	W	MIC_GND [With 2.0L turbo gasoline engine and without BOSE system]
2	BG	MIC_SIG [With 2.0L turbo gasoline engine and without BOSE system]
2	R	MIC_SIG [Except with 2.0L turbo gasoline engine and without BOSE system]

Connector No.	D4
Connector Name	WIRE TO WIRE
Connector Type	NH60FW-TS12

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
6	V	-
8	G	-
9	GR	-
10	Y	-
11	SHIELD	-
12	BG	-
13	L	-
14	B	-
15	Y	-
16	GR	-
17	R	-
18	GR	-
19	R	-
20	W	-
21	LG	-
22	W	-
23	L	-
24	G	-
25	BR	-
27	BR	-
28	V	-
29	B	-
30	W	-
31	P	-
32	Y	-
33	BR	-
34	L	-
35	R	-
36	GR	-
37	G	-
38	R	-
39	B	-
40	LG	-
41	L	-
43	BG	-
44	Y	-
46	W	-
47	R	-
49	BR	-
50	B	-
52	V	-
53	GR	-
54	R	-
55	SB	-
56	BR	-
57	R	-
58	L	-
59	V	-
60	G	-
61	BG	-
62	Y	-
63	SB	-
64	B	-
65	Y	-
66	BR	-
68	Y	-
69	L	-
70	W	-
71	LG	-
72	P	-

Connector No.	D13
Connector Name	DOOR SPEAKER LH
Connector Type	NS02FW-CS

H.S.

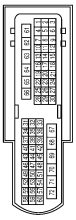
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	GR	-

JRNWF7382GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	D18
Connector Name	WIRE TO WIRE
Connector Type	NH60FW-TS12

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	P	-
5	BR	-
6	Y	-
8	W	-
9	L	-
10	L	-
11	GR	-
13	Y	-
16	R	-
17	B	-
18	W	-
19	B	-
20	G	-
21	SHIELD	-
22	GR	-
23	BG	-
24	B	-
25	BR	-
26	V	-
27	G	-
28	V	-
29	Y	-
30	R	-
38	R	-
39	B	-
49	LG	-
51	R	-
52	P	-
55	L	-
56	Y	-
57	R	-
58	SB	-
59	R	-
60	G	-
63	B	-
64	Y	-
65	BR	-
66	GR	-
69	W	-
70	L	-
71	BG	-
72	Y	-

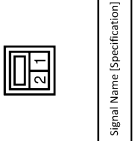
Connector No.	D24
Connector Name	DOOR SPEAKER RH
Connector Type	NS02FW-CS

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	GR	-

Connector No.	D58
Connector Name	JOINT CONNECTOR-D01
Connector Type	NS06FW-J

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	Y	- [With BOSE system]
2	BR	- [Without BOSE system]
2	Y	- [With BOSE system]
3	BR	- [Without BOSE system]
3	Y	- [With BOSE system]
4	GR	- [Without BOSE system]
4	L	- [With BOSE system]
5	GR	- [Without BOSE system]

5	L	- [With BOSE system]
6	GR	- [Without BOSE system]
6	L	- [With BOSE system]

Connector No.	D59
Connector Name	JOINT CONNECTOR-D02
Connector Type	NS06FW-J

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	L	- [With BOSE system]
2	BR	- [Without BOSE system]
2	L	- [With BOSE system]
3	BR	- [Without BOSE system]
3	L	- [With BOSE system]
4	GR	- [Without BOSE system]
4	W	- [With BOSE system]
5	GR	- [Without BOSE system]
5	W	- [With BOSE system]
6	GR	- [Without BOSE system]
6	W	- [With BOSE system]

Connector No.	D60
Connector Name	TWEETER LH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	Y	- [With BOSE system]
2	GR	- [Without BOSE system]

2	L	- [With BOSE system]

Connector No.	D61
Connector Name	TWEETER RH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	W	- [With BOSE system]
2	GR	- [Without BOSE system]
2	L	- [With BOSE system]

Connector No.	E22
Connector Name	CHASSIS CONTROL MODULE
Connector Type	TH24FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
3	P	CAN-L [Without Gateway]
3	R	CAN-L [With Gateway]
4	L	CAN-H
5	V	DRIVE MODE SELECT SWITCH (UP) [With VR30 engine]
5	Y	DRIVE MODE SELECT SW (DOWN)[With 2.0L turbo gasoline engine]
6	G	DRIVE MODE SELECT SW (DOWN)[With 2.0L turbo gasoline engine]
6	Y	DRIVE MODE SELECT SW (DOWN)[With VR30 engine]
7	W	CHASSIS COMMUNICATION-L
8	W	CHASSIS COMMUNICATION-L
10	BG	IGNITION POWER SUPPLY [With 2.0L turbo gasoline engine]
10	G	IGNITION POWER SUPPLY [With VR30 engine]
11	L	CHASSIS COMMUNICATION-H
12	B	GROUND [With VR30 engine]

JRNWF7383GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

12	B/W	GROUND [With 2.0L turbo gasoline engine]
19	BR	CHASSIS COMMUNICATION-H [With VR30 engine]
19	L	CHASSIS COMMUNICATION-H [With 2.0L turbo gasoline engine]
23	G	ESS RELAY [With VR30 engine]
23	R	ESS RELAY [With 2.0L turbo gasoline engine]

Connector No.	E35
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	SAZ30FB-SJZ4-U

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	B	GROUND
3	G	VALVE BATTERY [With VR30 engine]
3	P	VALVE BATTERY [With 2.0L turbo gasoline engine]
4	Y	MOTOR BATTERY
5	LG	STOP LAMP SW SIGNAL [With ADAS]
5	V	STOP LAMP SW SIGNAL [With ASCD]
7	GR	RR LH WHEEL SENSOR SIGNAL
8	G	RR LH WHEEL SENSOR POWER SUPPLY
9	BR	FR RH WHEEL SENSOR SIGNAL
10	GR	FR RH WHEEL SENSOR POWER SUPPLY
13	R	VACUUM SENSOR SIGNAL
15	P	CAN-L [Without Gateway]
15	R	CAN-L [With Gateway]
17	Y	RR RH WHEEL SENSOR SIGNAL
18	LG	RR RH WHEEL SENSOR POWER SUPPLY [With 2.0L turbo gasoline engine]
18	V	RR RH WHEEL SENSOR POWER SUPPLY [With VR30 engine]
19	SB	FR LH WHEEL SENSOR SIGNAL
20	BG	FR LH WHEEL SENSOR POWER SUPPLY
25	L	CAN-H
28	G	VACUUM SENSOR POWER SUPPLY
30	R	VDC OFF SW SIGNAL
32	SHIELD	VACUUM SENSOR GROUND
34	G	IGN

Connector No.	E195
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-NS10

Terminal No.	Color Of Wire	Signal Name [Specification]
5	BR	-
8	GR	-
9	P	-
10	R	-
11	L	-
12	P	-
13	GR	-
14	Y	-
15	G	-
16	W	-
17	L	-
18	R	-
19	BR	-
20	SHIELD	-
21	BR	-
22	V	-
23	W	-
24	L	-
25	G	-
26	G	-
30	Y	-
31	GR	-
32	SB	-
33	W	-
34	W	-
35	B	-
36	G	-
37	SHIELD	-
38	R	-
39	L	-
40	GR	-
41	W	-
42	B	-
43	BR	-
44	P	-
45	SB	-

Connector No.	E200
Connector Name	ECM
Connector Type	ADA52FB-AH26

Terminal No.	Color Of Wire	Signal Name [Specification]
97	G	POWER SUPPLY (MAIN)
98	B	ECM GROUND
99	G	POWER SUPPLY (MAIN)
100	B	ECM GROUND
101	G	POWER SUPPLY (MAIN)
102	B	ECM GROUND
103	V	COOLING FAN CONTROL SIGNAL (PWM)
104	Y	SENSOR POWER SUPPLY
105	R	SENSOR POWER SUPPLY
106	W	SENSOR GROUND
109	P	ENGINE SPEED SIGNAL
111	G	POWER SUPPLY
116	LG	STARTER RELAY-L
119	BR	SENSOR GROUND
120	BG	SENSOR GROUND
123	BR	MAIN RELAY CONTROL SIGNAL
127	V	FUEL PUMP ON SIGNAL
132	G	ACCELERATOR PEDAL POSITION SENSOR 1
137	L	CAN-H
138	L	DRIVETRAIN CAN-H
142	GR	BACK-UP LAMP SWITCH
143	LG	REFRIGERANT PRESSURE SENSOR
145	L	ACCELERATOR PEDAL POSITION SENSOR 2
146	L	FUEL TANK PRESSURE SENSOR
148	L	THROTTLE CONTROL MOTOR (CLOSE) [BANK 2]
150	P	CAN-L
151	P	DRIVETRAIN CAN-L
152	B	EVAP CANISTER VENT CONTROL VALVE
153	G	EVAP PURGE CONTROL VALVE

Connector No.	E220
Connector Name	JOINT CONNECTOR-E05
Connector Type	N-H24FB-J

Terminal No.	Color Of Wire	Signal Name [Specification]
3	W	-
4	L	-
7	W	-
8	L	-
15	R	-
16	L	-
19	R	-
20	L	-
23	R	-
24	L	-

Connector No.	M1
Connector Name	INTEGRAL SWITCH
Connector Type	TH24FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
2	R	ILLUMINATION SIGNAL
3	LG	AV COMMUNICATION SIGNAL (L)
4	SB	AV COMMUNICATION SIGNAL (H)
7	W/B	DISK EJECT SIGNAL
8	G	HAZARD SIGNAL
13	B	GROUND
14	SB	ACC POWER SUPPLY [With 2.0L turbo gasoline engine]
14	V	ACC POWER SUPPLY [With VR30 engine]
15	B	ILLUMINATION CONTROL SIGNAL
16	BG	DISK EJECT SIGNAL GROUND

JRNWF7384GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

18	R	IGNITION SIGNAL [With VR30 engine]
18	W	IGNITION SIGNAL [With 2.0L turbo gasoline engine]
19	BR	CAMERA SWITCH SIGNAL

Connector No.	M2
Connector Name	INTEGRAL SWITCH
Connector Type	Tyco_1554987-6

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
27	W	LVDS (+)
28	B	LVDS (-)
29	SHIELD	SHIELD

Connector No.	M3
Connector Name	INTEGRAL SWITCH
Connector Type	TH12FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
30	BR	ILLUMINATION SIGNAL (MULTIFUNCTION SWITCH)
31	W	GROUND (MULTIFUNCTION SWITCH)
32	R	ENCD-B SIGNAL
33	R	PUSH SWITCH A SIGNAL
34	W	PUSH SWITCH C SIGNAL
36	V	ILLUMINATION CONTROL SIGNAL (MULTIFUNCTION SWITCH)
37	W	ENCD-A SIGNAL
38	G	SELECT SWITCH SIGNAL
39	B	PUSH SWITCH B SIGNAL
40	B	SHIELD
41	L	L/R DETECTION SIGNAL

Connector No.	M14
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
48	R	PUSH-BTN IGN SW /ILL PWR
52	G	DONGLE LINK
54	V	COMM LINE
55	R	RAIN SENSOR
59	P	CAN-L
60	L	CAN-H
61	G	REAR WINDOW DEF RLY CONT
62	R	STARTER RLY CONT
64	V	I-KEY WARN BUZZER
65	B	OUTS HD LAMP CONT
66	B	BLOWER FAN RLY CONT [With VR30 engine]
66	Y	BLOWER FAN RLY CONT [With 2.0L turbo gasoline engine]
67	W/B	IGN RLYAY (F/B) CONT
68	R	DIMMER
69	GR	A/T SHIFT SELECT PWR SPLY
70	B	IGN RLYAY (IPDM E/R) CONT
71	G	DR DOOR REQ SW
72	SB	PASS DOOR REQ SW
75	BR	COMBI SW INPUT 5
76	BG	COMBI SW INPUT 4
77	V	COMBI SW INPUT 3
78	Y	COMBI SW INPUT 2
79	LG	COMBI SW INPUT 1
80	L	TR LID OPNR SW

Connector No.	M19
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	SB	-
5	Y	-
7	W	-
10	BG	-
11	BR	-
12	LG	-
13	GR	-
14	R	-
15	L	-
16	V	-
18	W	-
19	BR	-
20	W	-
24	R	- [With 2.0L turbo gasoline engine]
24	Y	- [With VR30 engine]
25	P	- [With 2.0L turbo gasoline engine]
25	W	- [With VR30 engine]
26	G	-
27	R	-
28	R	-
31	BR	-
32	B	-
33	B	-
34	V	-
35	P	-
36	W	-
37	SB	-
38	LG	-
40	P	-
41	G	-
42	BR	-
43	BR	-
44	BR	-
46	BG	-
50	W	-
51	Y	-
52	V	-
53	LG	-
54	R	-
55	R	-
58	V	-
59	BG	-
60	G	-
61	G	-
62	BG	-
63	BR	-
64	Y	-
66	R	-
70	LG	-
71	W	-
72	B	-
73	W	-
74	L	-
75	W	-
76	BR	-
77	B	-
78	SB	-
79	W	-
81	B	-
82	R	-
83	BG	-
84	L	-
85	W	-
86	B	-
88	G	-
89	V	-
91	GR	-
93	GR	-
94	GR	-
96	W	-
98	BR	- [With VR30 engine and with BOSE system]
98	Y	- [Except with VR30 engine and with BOSE system]

JRNWF7385GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH

H.S.

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

Terminal No.	Color Of Wire	Signal Name [Specification]
7	W	-
8	L	-
10	Y	-
11	SHIELD	-
12	B	-
13	W	-
14	R	-

Connector No.	M22
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	L	- [With VR30 engine]
2	SHIELD	- [With 2.0L turbo gasoline engine]
3	BR	- [With 2.0L turbo gasoline engine]
3	R	- [With VR30 engine]
4	SHIELD	- [With VR30 engine]
4	Y	- [With 2.0L turbo gasoline engine]
5	G	- [With VR30 engine]
5	V	- [With 2.0L turbo gasoline engine]
6	BG	- [With VR30 engine]
6	BR	- [With 2.0L turbo gasoline engine]
7	LG	- [With VR30 engine]
7	P	- [With 2.0L turbo gasoline engine]

8	G	- [With 2.0L turbo gasoline engine]
8	P	- [With VR30 engine]
9	LG	- [With 2.0L turbo gasoline engine]
9	SHIELD	- [With VR30 engine]
10	V	-
11	GR	-
12	V	-
13	LG	-
14	LG	-
15	BR	- [With 2.0L turbo gasoline engine]
15	P	- [With VR30 engine]
16	SB	- [With DCM]
16	V	- [Without DCM]
17	Y	-
18	L	-
19	G	-
20	GR	-
21	R	-
23	L	-
24	BG	- [With 2.0L turbo gasoline engine]
24	V	- [With VR30 engine]
25	L	- [With 2.0L turbo gasoline engine]
25	SB	- [With VR30 engine]
26	G	- [With VR30 engine]
26	W	- [With 2.0L turbo gasoline engine]
27	R	-
28	R	-
29	LG	-
30	SB	- [With VR30 engine]
30	W	- [With 2.0L turbo gasoline engine]
31	SHIELD	-
32	L	-
33	B	- [With VR30 engine]
33	LG	- [With 2.0L turbo gasoline engine]
34	SHIELD	-
35	LG	- [With VR30 engine]
35	W	- [With 2.0L turbo gasoline engine]
36	R	-
37	R	- [With VR30 engine]
37	V	- [With 2.0L turbo gasoline engine]
38	L	- [With 2.0L turbo gasoline engine and without BOSE system]
38	W	- [Except with 2.0L turbo gasoline engine and without BOSE system]
39	P	- [With VR30 engine and without BOSE system]
39	R	- [With 2.0L turbo gasoline engine]
39	V	- [With VR30 engine and with BOSE system]
40	G	-
41	L	-
42	R	-
43	SHIELD	-
44	P	-

45	B	- [With 2.0L turbo gasoline engine]
45	G	- [With VR30 engine]
46	SHIELD	-
47	G	-
48	BG	- [With VR30 engine and with BOSE system]
48	BR	- [With VR30 engine and without BOSE system]
48	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
49	G	-
51	L	- [With VR30 engine]
51	V	- [With 2.0L turbo gasoline engine]
52	L	- [With 2.0L turbo gasoline engine]
52	Y	- [With VR30 engine]
53	R	-
54	GR	-
55	L	-
56	P	-
57	R	-
58	LG	-
59	SB	-
60	BR	-
61	L	- [With 2.0L turbo gasoline engine]
61	R	- [With VR30 engine]
62	P	- [With 2.0L turbo gasoline engine]
62	V	- [With VR30 engine]
63	L	-
64	W	-
65	R	-
66	L	- [With 2.0L turbo gasoline engine]
66	R	- [With VR30 engine]
67	G	-
68	L	-
69	P	-
71	GR	- [With 2.0L turbo gasoline engine]
71	R	- [With VR30 engine]
72	G	- [With VR30 engine]
72	V	- [With 2.0L turbo gasoline engine]
73	LG	- [With 2.0L turbo gasoline engine]
73	SHIELD	- [With VR30 engine]
74	L	- [With VR30 engine]
74	LG	- [With 2.0L turbo gasoline engine]
75	P	-
76	SB	- [With 2.0L turbo gasoline engine]
76	V	- [With VR30 engine]
77	Y	-
78	L	-
79	G	-
80	GR	- [With 2.0L turbo gasoline engine]
80	W	- [With VR30 engine]
81	B	- [With VR30 engine]
81	R	- [With 2.0L turbo gasoline engine]

82	G	- [With 2.0L turbo gasoline engine]
82	SHIELD	- [With VR30 engine]
83	R	- [With 2.0L turbo gasoline engine]
83	W	- [With VR30 engine]
84	BR	- [With VR30 engine]
84	SHIELD	- [With 2.0L turbo gasoline engine]
85	BR	- [With VR30 engine]
85	G	- [With 2.0L turbo gasoline engine]
86	R	-
87	LG	- [With VR30 engine]
87	SHIELD	- [With 2.0L turbo gasoline engine]
88	R	-
89	LG	-
90	SB	-
92	L	- [With 2.0L turbo gasoline engine]
92	W	- [With VR30 engine]
93	SHIELD	-
94	R	-
95	L	- [With 2.0L turbo gasoline engine]
95	Y	- [With VR30 engine]
96	W	-
97	L	- [With VR30 engine]
97	R	- [With 2.0L turbo gasoline engine]
99	BR	- [With VR30 engine and with BOSE system]
99	P	- [With 2.0L turbo gasoline engine]
99	Y	- [With VR30 engine and without BOSE system]
100	BR	- [With VR30 engine]
100	W	- [With 2.0L turbo gasoline engine]

Connector No.	M24
Connector Name	CAN GATEWAY
Connector Type	TH12FW-NH

H.S.

1		3	4	5	6
7		9	10	11	12

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CAN-H (CAN COMMUNICATION CIRCUIT 1)
3	W	BATTERY POWER SUPPLY
4	L	CAN-H (CAN COMMUNICATION CIRCUIT 2)
5	B	GROUND
6	L	CAN-H (CAN COMMUNICATION CIRCUIT 2)
7	P	CAN-L (CAN COMMUNICATION CIRCUIT 1)

JRNWF7386GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

9	R	IGNITION POWER SUPPLY [With VR30 engine]
9	W	IGNITION POWER SUPPLY [With 2.0L turbo gasoline engine]
10	R	CAN-L (CAN COMMUNICATION CIRCUIT 2)
11	B	GROUND
12	R	CAN-L (CAN COMMUNICATION CIRCUIT 2)

Connector No.	M25
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	M_CAN_L
4	B	EARTH
5	B	EARTH
6	L	CAN-H
7	V	KLINE [With 2.0L turbo gasoline engine]
7	W	KLINE [With VR30 engine]
8	W	IGN_SW
11	SB	M_CAN_H
12	R	CAN-L
13	L	CAN-H
14	P	CAN-L
16	W	POWER

Connector No.	M33
Connector Name	WIRE TO WIRE
Connector Type	NH60MW-TS12

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
6	R	-
8	GR	-
9	GR	-
10	W	-
11	SHIELD	-
12	P	-
13	SB	-
14	LG	-
15	Y	-
16	Y	-
17	P	-
18	W/B	-
19	Y	- [With DRPO]
19	Y	- [Without DRPO]
20	V	-
21	B	-
22	BG	- [Without DRPO]
22	G	- [With DRPO]
23	L	-
24	Y	-
25	BG	- [Without DRPO]
25	L	- [With DRPO]
27	GR	-
28	V	-
29	B	-
30	W	-
31	B	-
32	SB	-
33	L	-
34	BR	-
35	LG	-
36	W	-
37	B	-
38	R	-
39	B	-
40	P	-
41	SB	-
43	W	- [With 2.0L turbo gasoline engine]
43	Y	- [With VR30 engine]
44	BG	-
46	BR	-
47	G	-
49	V	-
50	B	-
52	BR	-
53	B	-
54	L	-
55	BG	-
56	LG	-
57	V	-
58	R	-
59	G	-
60	L	-
61	G	-
62	R	-
63	V	-
64	B	-
65	R	-
66	BR	-
68	P	-
69	V	-
70	W	-
71	LG	-
72	V	-

Connector No.	M34
Connector Name	WIRE TO WIRE
Connector Type	NH60MW-TS12

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	R	-
5	L	-
6	R	-
8	W	-
9	GR	-
10	V	-
11	Y	-
13	LG	-
16	G	-
17	B	-
18	W	-
19	B	-
20	SB	- [With DRPO]
20	Y	- [Without DRPO]
21	SHIELD	-
22	B	-
23	BG	- [Without DRPO]
23	P	- [With DRPO]
24	G	-
25	LG	-
26	BG	- [Without DRPO]
26	BR	- [With DRPO]
27	R	-
28	SB	-
29	BG	- [Without DRPO]
29	W/B	- [With DRPO]
30	L	-
38	R	-
39	B	-
49	P	-
51	V	-
52	V	-
55	B	-
56	SB	-
57	G	-
58	G	-
59	LG	-
60	R	-
63	B	-
64	R	-
65	BR	-
66	Y	-
69	BR	-
70	Y	-
71	SB	-
72	W	-

Connector No.	M55
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH12FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	ILL
2	W	GND
3	R	ENCD-B SIGNAL
4	R	PUSH SWITCH A SIGNAL
5	W	PUSH SWITCH C SIGNAL

JRNWF7387GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

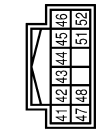
7	V	ILLUMINATION CONTROL SIGNAL
8	W	ENCD-A SIGNAL
9	G	SELECT SWITCH SIGNAL
10	B	PUSH SWITCH B SIGNAL
11	B	SHIELD
12	L	L/R_DETECTION SIGNAL

Connector No.	M57
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
6	GR	STOP/START OFF SWITCH INDICATOR SIGNAL
7	G	SECURITY SIGNAL
8	B	
11	W	ALTERNATOR SIGNAL
14	V	ACC POWER SUPPLY
16	V	AIR BAG SIGNAL
17	BR	METER CONTROL SWITCH GROUND
18	SB	TRIP/RESET SIGNAL
21	B	STEERING SWITCH SIGNAL GROUND
22	P	STEERING SWITCH SIGNAL A
23	W/B	STEERING SWITCH SIGNAL B
24	L	WASHER LEVEL SWITCH SIGNAL
25	LG	BRAKE FLUID LEVEL SWITCH SIGNAL
26	V	PARKING BRAKE SWITCH SIGNAL
27	G	PASSENGER SEAT BELT WARNING SIGNAL
28	W	SEAT BELT BUCKLE SWITCH SIGNAL [DRIVER SIDE]
30	G	MANUAL MODE SIGNAL [With 2.0L turbo gasoline engine models]
30	SB	MANUAL MODE SIGNAL [With VR30DDTT engine models]
31	G	NON-MANUAL MODE SIGNAL [With VR30DDTT engine models]
31	L	NON-MANUAL MODE SIGNAL [With 2.0L turbo gasoline engine models]
32	BG	MANUAL MODE SHIFT UP SIGNAL
33	GR	MANUAL MODE SHIFT DOWN SIGNAL [With VR30DDTT engine models]
33	P	MANUAL MODE SHIFT DOWN SIGNAL [With 2.0L turbo gasoline engine models]
34	BG	PADDLE SHIFTER UP SWITCH SIGNAL
35	G	PADDLE SHIFTER DOWN SWITCH SIGNAL
36	V	ILLUMINATION CONTROL SWITCH SIGNAL [+]
37	GR	ILLUMINATION CONTROL SWITCH SIGNAL [-]

38	R	VEHICLE SPEED SIGNAL (8-PULSE)

Connector No.	M58
Connector Name	COMBINATION METER
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
41	L	CAN-H
42	P	CAN-L
43	B	ILLUMINATION CONTROL SIGNAL
44	Y	FUEL LEVEL SENSOR GROUND
45	W	BATTERY POWER SUPPLY
46	BG	IGNITION SIGNAL [With 2.0L turbo gasoline engine models]
46	R	IGNITION SIGNAL [With VR30DDTT engine models]
47	SB	AV COMMUNICATION SIGNAL (H)
48	LG	AV COMMUNICATION SIGNAL (L)
51	BR	FUEL LEVEL SENSOR SIGNAL
52	B	GROUND

Connector No.	M87
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FGY-1V

Terminal No.	Color Of Wire	Signal Name [Specification]
24	P	-
25	SB	-
31	W/B	-
32	Y	-
33	B	-

Connector No.	M97
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS02FL-M2-LC

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	SB	- [With 2.0L turbo gasoline engine]
2	W	- [With VR30 engine]
3	R	-
5	BR	-

Connector No.	M98
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-5

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	USB GROUND
2	W	USB V BUS SIGNAL
3	R	USB D- SIGNAL
4	L	USB D+ SIGNAL
5	SHIELD	SHIELD

Connector No.	M100
Connector Name	DISPLAY CONTROL UNIT
Connector Type	TH24FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
16	LG	AV COMMUNICATION SIGNAL (L)
17	P	CAN-L
19	R	DIMMER SIGNAL
20	BR	REVERSE SIGNAL
22	B	GROUND
26	BR	CAMERA SWITCH SIGNAL
28	SB	AV COMMUNICATION SIGNAL (H)
29	L	CAN-H
30	R	IGNITION SIGNAL [With VR30 engine]
30	W	IGNITION SIGNAL [With 2.0L turbo gasoline engine]
31	R	VEHICLE SPEED SIGNAL (8-PULSE)
33	SB	ACC POWER SUPPLY
34	Y	BATTERY POWER SUPPLY

Connector No.	M101
Connector Name	DISPLAY CONTROL UNIT
Connector Type	TH40FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
36	LG	COMPOSITE IMAGE SIGNAL (-)
38	SHIELD	SHIELD
40	SHIELD	MANUFACTURER SPECIFIC SIGNAL
42	G	SOUND SIGNAL RH (-)
43	SHIELD	SHIELD
44	L	SOUND SIGNAL LH (+)
45	W	TEL VOICE SIGNAL (-)

JRNWF7388GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

46	SHIELD	SHIELD
47	R	VOICE GUIDANCE SIGNAL OUTPUT (-)
48	B	VOICE GUIDANCE SIGNAL INPUT (-)
49	W	NS ON/OFF SIGNAL
50	R	MICROPHONE SIGNAL GROUND [WITH NAVIGATION]
51	SHIELD	SHIELD
52	SHIELD	MICROPHONE SIGNAL GROUND
54	W	CAMERA POWER SUPPLY GROUND
55	SHIELD	SHIELD
56	BR	COMPOSITE IMAGE SIGNAL (+)
58	B	CAMERA IMAGE SIGNAL
60	W	SOUND SIGNAL (-)
61	B	SOUND SIGNAL (+)
62	R	SOUND SIGNAL RH (+)
63	SHIELD	SHIELD
64	V	SOUND SIGNAL LH (+)
65	B	TEL VOICE SIGNAL (+)
66	SHIELD	SHIELD
67	G	VOICE GUIDANCE SIGNAL OUTPUT (+)
68	W	VOICE GUIDANCE SIGNAL INPUT (+)
69	SHIELD	SHIELD
70	G	MICROPHONE SIGNAL (NAVI)
71	G	MICROPHONE SIGNAL [Without telematics system]
71	R	MICROPHONE SIGNAL [With telematics system]
72	L	MICROPHONE VCC
74	R	CAMERA POWER SUPPLY

Connector No.	M103
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-1

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
80	G	USB GROUND
81	W	USB V BUS SIGNAL
82	R	USB D- SIGNAL
83	L	USB D+ SIGNAL
84	SHIELD	SHIELD

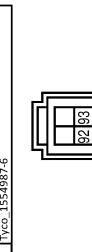
Connector No.	M105
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-6

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
92	W	LVDS (+)
93	B	LVDS (-)
94	SHIELD	SHIELD

Connector No.	M133
Connector Name	FUSE BLOCK (J/B)
Connector Type	TH40FW-NH

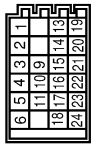
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
10C	V	-
12C	L	-
13C	L	-
14C	Y	-
15C	R	-
16C	R	-
17C	L	-
18C	BG	- [Without DRPO]
18C	P	- [With DRPO]
19C	B	-
1C	R	-
20C	W	-
21C	L	-
22C	L	-
23C	L	-
25C	LG	-
26C	SB	-
27C	P	-
28C	W	-
29C	W	-
2C	R	-
30C	R	-
31C	W	-
32C	R	-
33C	B	- [With VR30 engine]
33C	R	- [With 2.0L turbo gasoline engine]
34C	W/B	-
35C	SB	-
36C	R	-
37C	W	-
38C	SB	-
39C	V	-
3C	P	-
40C	G	-
4C	P	-
5C	P	-
6C	G	-
7C	G	-
8C	G	-
9C	V	-

Connector No.	M135
Connector Name	JOINT CONNECTOR-M09
Connector Type	24342_4GA2A

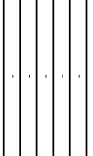
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-
4	B	-
5	B	-
6	B	-
9	LG	-
10	LG	-
11	LG	-
13	B	- [With VR30 engine]
13	SB	- [With 2.0L turbo gasoline engine]
14	B	- [With VR30 engine]
14	SB	- [With 2.0L turbo gasoline engine]
15	B	- [With VR30 engine]
15	SB	- [With 2.0L turbo gasoline engine]
16	SB	- [With 2.0L turbo gasoline engine]
16	Y	- [With VR30 engine]
17	SB	- [With 2.0L turbo gasoline engine]
17	Y	- [With VR30 engine]
18	SB	- [With 2.0L turbo gasoline engine]
18	Y	- [With VR30 engine]
19	SHIELD	-
20	R	-
21	R	-
22	SHIELD	-
23	L	-
24	L	-

Connector No.	M137
Connector Name	JOINT CONNECTOR-M10
Connector Type	24342_4GA2A

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-
4	B	-
5	B	-
7	B	-
8	B	-
9	B	-
10	B	-
11	B	-
13	L	-
15	L	-
16	L	-
19	R	-
21	R	-
22	R	-

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INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	M142
Connector Name	EXTERNAL DATA INPUT BOX
Connector Type	GTI17VS-10DS-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	USB D+ SIGNAL
2	W	USB V BUS SIGNAL
3	R	USB D- SIGNAL
4	G	USB GND
7	G	USB GND
8	R	USB D- SIGNAL
9	W	USB V BUS SIGNAL
10	L	USB D+ SIGNAL
11	SHIELD	SHIELD

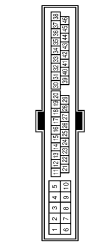
Connector No.	M143
Connector Name	EXTERNAL DATA INPUT BOX
Connector Type	TH12FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
12	W	AUX SOUND SIGNAL LH
13	R	AUX_AUDIO-
14	B	AUX SOUND SIGNAL RH
16	B	GND
17	Y	BAT
20	L	AUX IMAGE SIGNAL (+)
21	V	AUX IMAGE SIGNAL (-)
22	SB	ACC

Connector No.	M146
Connector Name	WIRE TO WIRE
Connector Type	TK36MW-NS10

H.S.

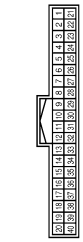


Terminal No.	Color Of Wire	Signal Name [Specification]
5	R	-
8	GR	-
9	V	-
10	BG	-
11	L	-
12	P	-
13	SB	-
14	Y	-
15	G	-
16	BR	-
17	W	-
18	R	-
19	L	-
20	SHIELD	-
21	BR	-
22	B	-
23	G	-
24	L	-
25	R	-
26	G	-
28	L	-
29	P	-
30	Y	-
31	GR	-
32	SB	-
33	BG	-
34	W	-
35	G	-
36	R	-
37	SHIELD	-
38	B	-
39	W	-
40	B	-
41	GR	-
42	B	-
43	LG	-

44	B	-
45	SB	-
46	B	-

Connector No.	M159
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-NH

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	BR	-
4	R	-
5	GR	-
6	W	-
9	SHIELD	-
10	W	-
11	R	-
12	L	-
13	G	-
14	W	[With VR30 engine]
14	Y	- [With 2.0L turbo gasoline engine]
15	B	-
17	B	-
19	R	-
20	BG	- [With 2.0L turbo gasoline engine and without BOSE system]
20	BR	- [With VR30 engine and with BOSE system]
20	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
21	R	-
22	G	-
24	B	-
25	W	-
26	R	-
28	B	-
29	G	-
30	L	-
31	R	-
32	W	-
33	L	-
36	V	-

38	LG	-
40	L	- [With 2.0L turbo gasoline engine and without BOSE system]
40	W	- [Except with 2.0L turbo gasoline engine and without BOSE system]

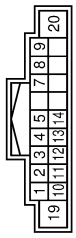
Connector No.	M160
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	LG	-
3	BR	-
4	R	-
6	B	-
7	R	-
8	V	-

Connector No.	M163
Connector Name	AV CONTROL UNIT
Connector Type	NH18FW-CS2

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	SHIELD
2	L	SOUND SIGNAL FRONT LH (+)
3	R	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (+)
5	SB	SOUND SIGNAL REAR LH (-)
7	SB	ACC POWER SUPPLY
8	W/B	DISK EJECT SIGNAL
9	BG	DISK EJECT SIGNAL GROUND

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INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Terminal No.	Color Of Wire	Signal Name [Specification]
10	SHIELD	SHIELD
11	LG	SOUND SIGNAL FRONT RH (+)
12	P	SOUND SIGNAL FRONT RH (-)
13	L	SOUND SIGNAL REAR RH (+)
14	P	SOUND SIGNAL REAR RH (-)
19	Y	BATTERY POWER SUPPLY
20	B	GROUND

Terminal No.	Color Of Wire	Signal Name [Specification]
65	SHIELD	SHIELD
66	W	AUX SOUND SIGNAL LH
67	L	SOUND SIGNAL LH (-)
68	G	SOUND SIGNAL RH (-)
69	SHIELD	SHIELD
71	R	AUX SOUND SIGNAL GROUND
72	B	AUX SOUND SIGNAL RH

Terminal No.	Color Of Wire	Signal Name [Specification]
89	G	USB GROUND
90	W	USB V BUS SIGNAL
91	R	USB D- SIGNAL
92	L	USB D+ SIGNAL
93	SHIELD	SHIELD

Terminal No.	Color Of Wire	Signal Name [Specification]
16	Y	- [With 2.0L turbo gasoline engine]
17	SB	- [With VR30 engine]
17	Y	- [With 2.0L turbo gasoline engine]
18	SB	- [With VR30 engine]
18	Y	- [With 2.0L turbo gasoline engine]
19	G	-
20	G	-
22	LG	- [With VR30 engine]
22	SB	- [With 2.0L turbo gasoline engine]
23	LG	- [With VR30 engine]
23	SB	- [With 2.0L turbo gasoline engine]
24	LG	- [With VR30 engine]
24	SB	- [With 2.0L turbo gasoline engine]

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	L	-
3	L	-
4	L	-
5	L	-
6	L	-
7	R	-
8	R	-
9	R	-
10	R	-
11	R	-
12	R	-
13	SB	-
14	SB	-
15	SB	-
16	L	- [With 2.0L turbo gasoline engine]
16	SB	- [With VR30 engine]
17	L	- [With 2.0L turbo gasoline engine]
17	SB	- [With VR30 engine]
18	L	- [With 2.0L turbo gasoline engine]
18	SB	- [With VR30 engine]

Terminal No.	Color Of Wire	Signal Name [Specification]
22	LG	AV COMMUNICATION SIGNAL (L)
36	L	AUX IMAGE SIGNAL (+)
38	BR	COMPOSITE IMAGE SIGNAL (+)
39	LG	COMPOSITE IMAGE SIGNAL (-)
40	SHIELD	SHIELD
42	SB	AV COMMUNICATION SIGNAL (H)
56	V	AUX IMAGE SIGNAL (-)
57	SHIELD	SHIELD

Terminal No.	Color Of Wire	Signal Name [Specification]
73	B	TEL VOICE SIGNAL (+)
74	SHIELD	SHIELD
75	G	VOICE GUIDANCE SIGNAL OUTPUT (+)
76	B	SHIELD
77	G	SOUND SIGNAL FRONT LH (+)
78	L	SOUND SIGNAL FRONT LH (-)
79	LG	SOUND SIGNAL REAR LH (+)
80	P	SOUND SIGNAL REAR LH (-)
81	W	TEL VOICE SIGNAL (-)
82	SHIELD	SHIELD

Terminal No.	Color Of Wire	Signal Name [Specification]
83	R	VOICE GUIDANCE SIGNAL OUTPUT (-)
84	B	SHIELD
85	R	SOUND SIGNAL FRONT RH (+)
86	L	SOUND SIGNAL FRONT RH (-)
87	B	SOUND SIGNAL REAR RH (+)
88	W	SOUND SIGNAL REAR RH (-)

Terminal No.	Color Of Wire	Signal Name [Specification]
61	V	SOUND SIGNAL LH (+)
62	R	SOUND SIGNAL RH (+)
63	SHIELD	SHIELD

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-
4	B	-
5	B	-
6	B	-
7	B	-
8	B	-
9	B	-
10	G	-
11	G	-
13	B	-
14	B	-
15	B	-
16	SB	- [With VR30 engine]

Connector No. M164
Connector Name AV CONTROL UNIT
Connector Type TH40FW-NH

Connector No. M166
Connector Name AV CONTROL UNIT
Connector Type TH16FW-NH

Connector No. M165
Connector Name AV CONTROL UNIT
Connector Type TH12FW-NH

Connector No. M167
Connector Name AV CONTROL UNIT
Connector Type Tyco_1554987-1

Connector No. M171
Connector Name JOINT CONNECTOR-M01
Connector Type 24342_4GA2A

Connector No. M173
Connector Name JOINT CONNECTOR-M03
Connector Type 24342_4GA2A

H.S.

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INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

19	BR	- [With VR30 engine]
19	LG	- [With 2.0L turbo gasoline engine]
20	BR	- [With VR30 engine]
20	LG	- [With 2.0L turbo gasoline engine]
21	BR	- [With VR30 engine]
21	LG	- [With 2.0L turbo gasoline engine]
22	R	- [With 2.0L turbo gasoline engine]
22	SB	- [With VR30 engine]
23	R	- [With 2.0L turbo gasoline engine]
23	SB	- [With VR30 engine]
24	R	- [With 2.0L turbo gasoline engine]
24	SB	- [With VR30 engine]

Connector No.	M174
Connector Name	JOINT CONNECTOR-M04
Connector Type	24342_4GA2A

H.S.

6	5	4	3		
	12	11	10	9	
18	17	16	15	14	13
24	23	22	21	20	19

Terminal No.	Color Of Wire	Signal Name [Specification]
3	L	-
4	L	-
5	L	-
6	L	-
9	Y	-
10	Y	-
11	Y	-
12	Y	-
13	SB	-
14	SB	-
15	SB	-
16	SB	-
17	SB	-
18	SB	-
19	LG	-
20	LG	-
21	LG	-
22	LG	-
23	LG	-
24	LG	-

Connector No.	M175
Connector Name	JOINT CONNECTOR-M05
Connector Type	NH20FL-DC

H.S.

		8	7	6	5	4	3	2	1
20	19	18	17	16	15	14	13	12	11	10

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	L	-
3	L	-
4	L	-
5	L	-
6	L	-
7	L	-
8	L	-
10	P	-
11	P	-
12	P	-
13	P	-
14	P	-
15	P	-
16	P	-
17	P	-
19	W	-
20	W	-

Connector No.	M177
Connector Name	JOINT CONNECTOR-M07
Connector Type	24342_4GA2A

H.S.

6	5	4	3	1
12	11	10	9	7
18	17	16		
24	23	22		

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
3	L	-
4	L	-
5	L	-
6	L	-
7	P	-
9	P	-
10	P	-
11	P	-
12	P	-
16	L	-
17	L	-
18	L	-
22	P	-
23	P	-
24	P	-

Connector No.	M190
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TH24FW-NH-Y-CPA

H.S.

			38	37	36	34	33	32	31
29	29	30	46	45		43	42	41	39

Terminal No.	Color Of Wire	Signal Name [Specification]
28	Y/R	-
29	Y	-
30	V/B	-
31	SB	-
32	B	-
33	W/B	-
34	P	-
36	BG	-
37	G	-
38	R	-
39	Y	-
41	B	-
42	B	-
43	LG	-
45	L	-
46	R	-

Connector No.	M301
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FGY

H.S.

20	19	18	17	16	15	14	13						

Terminal No.	Color Of Wire	Signal Name [Specification]
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-

Connector No.	M302
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	SUMITOMOTH-12

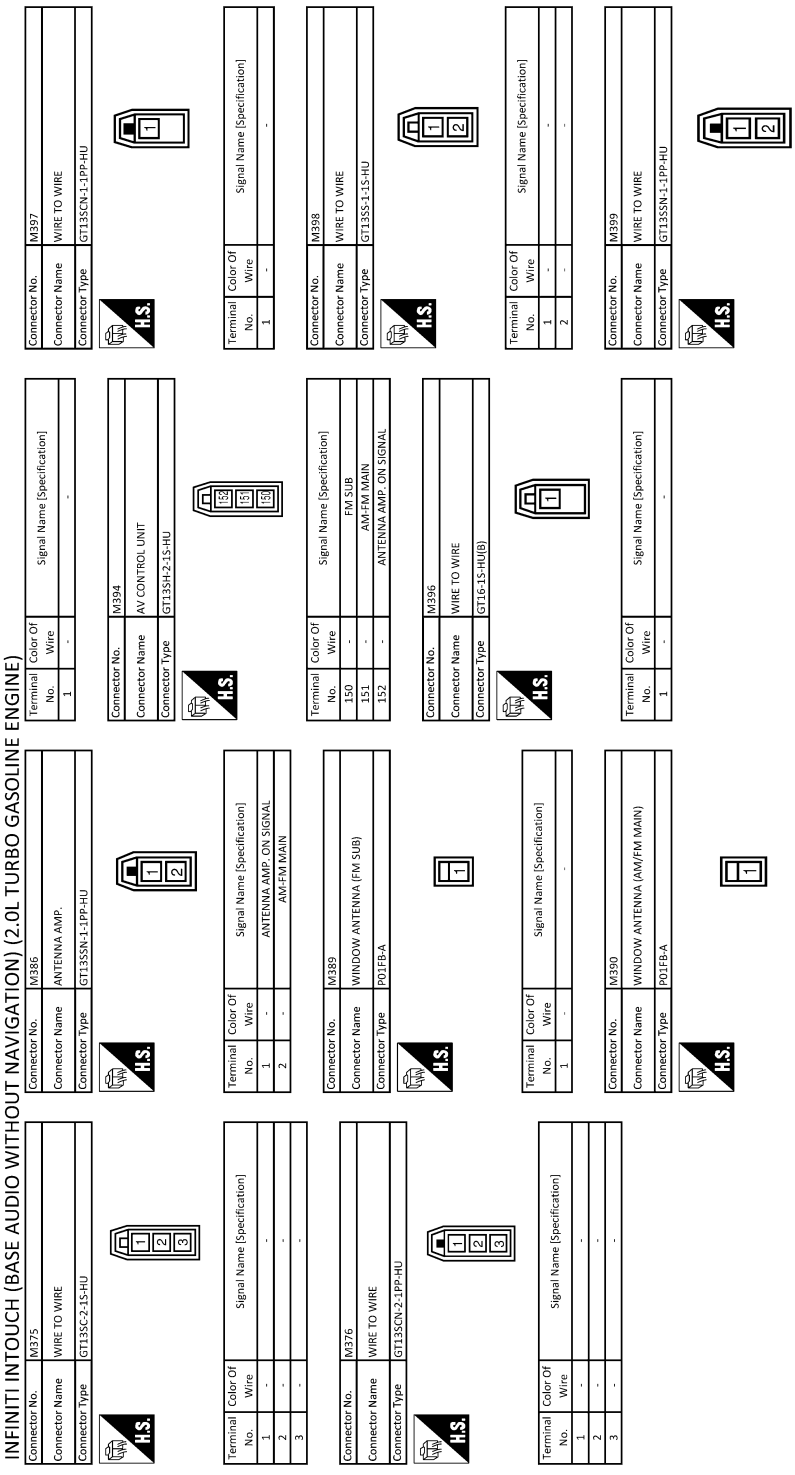
H.S.

18	17	16	15	14	13								
24	23	22	21	20	19								

Terminal No.	Color Of Wire	Signal Name [Specification]
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-
21	-	-
22	-	-
23	-	-
24	-	-

JRNWF7392GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)



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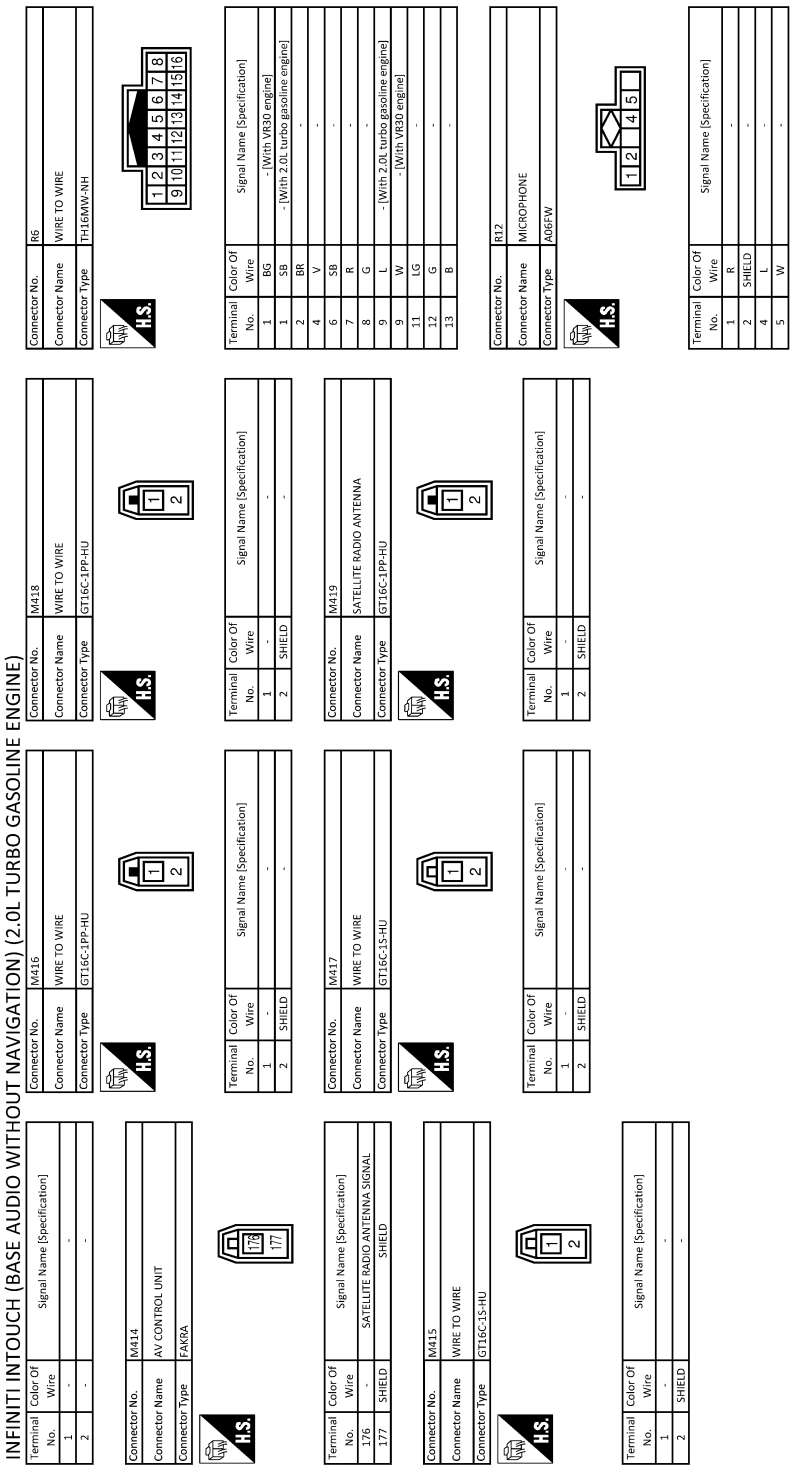

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INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	R14
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	- [With VR30 engine]
1	SB	- [With 2.0L turbo gasoline engine]
2	BR	-
4	V	-
6	SB	-
7	R	-
8	G	-
9	L	- [With 2.0L turbo gasoline engine]
9	W	- [With VR30 engine]
11	LG	-
12	G	-
13	B	-

Connector No.	R15
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	LG	-
3	BR	-
4	V	-
5	BG	-
6	GR	-
9	SHIELD	-
10	GR	-

11	R	-
12	L	-
13	G	-
14	W	- [With VR30 engine]
14	Y	- [With 2.0L turbo gasoline engine]
15	B	-
17	SB	-
19	BG	-
20	BG	- [Without BOSE system]
20	BR	- [With BOSE system]
21	R	-
22	G	-
24	B	-
25	P	-
26	BR	-
28	B	-
29	R	-
30	L	-
31	V	-
32	W	-
33	L	-
36	BR	-
38	SB	-
40	W	-

Connector No.	R16
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	Y	-
4	W	-
6	B	-
7	GR	-
8	V	-

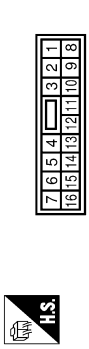
Connector No.	R19
Connector Name	FRONT MICROPHONE (LH) (ACTIVE NOISE CANCELLATION)
Connector Type	TK02FBR

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	LG	-

Connector No.	R20
Connector Name	FRONT MICROPHONE (RH) (ACTIVE NOISE CANCELLATION)
Connector Type	TK02FBR

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	BR	-

Connector No.	T48
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BG	-
4	L	-
5	P	-
6	G	-
8	B	-
9	R	-
10	P	-
11	L	-
13	G	- [With around view monitor]
13	L	- [With rear view monitor]
14	B	- [With rear view monitor]
14	R	- [With around view monitor]
15	B	- [With around view monitor]
15	W	- [With rear view monitor]
16	R	- [With rear view monitor]
16	W	- [With around view monitor]

Connector No.	T54
Connector Name	REAR VIEW CAMERA
Connector Type	RH06FB-1V

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	GND
2	R	CAMAERA_ON
4	B	COMP+

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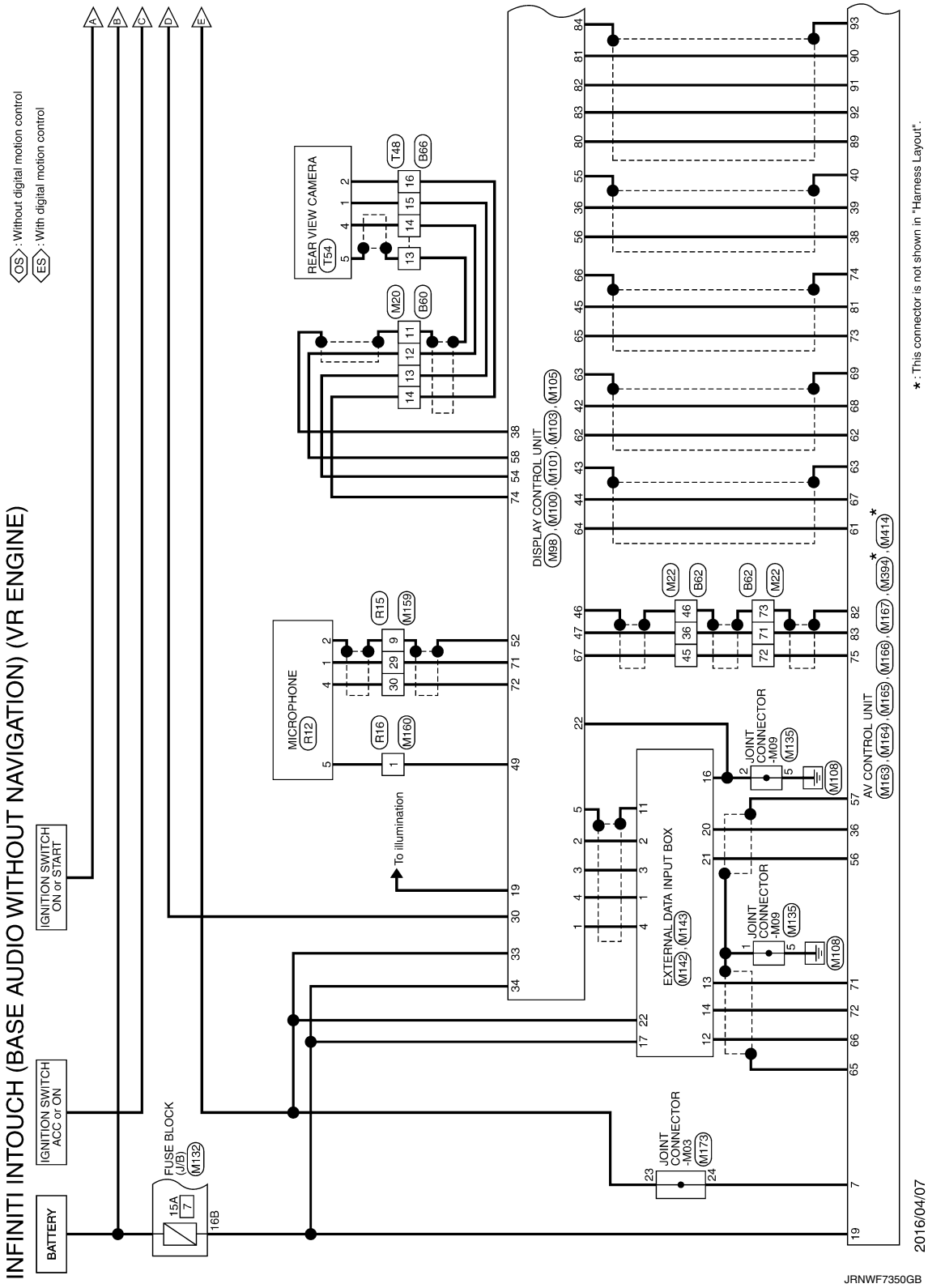
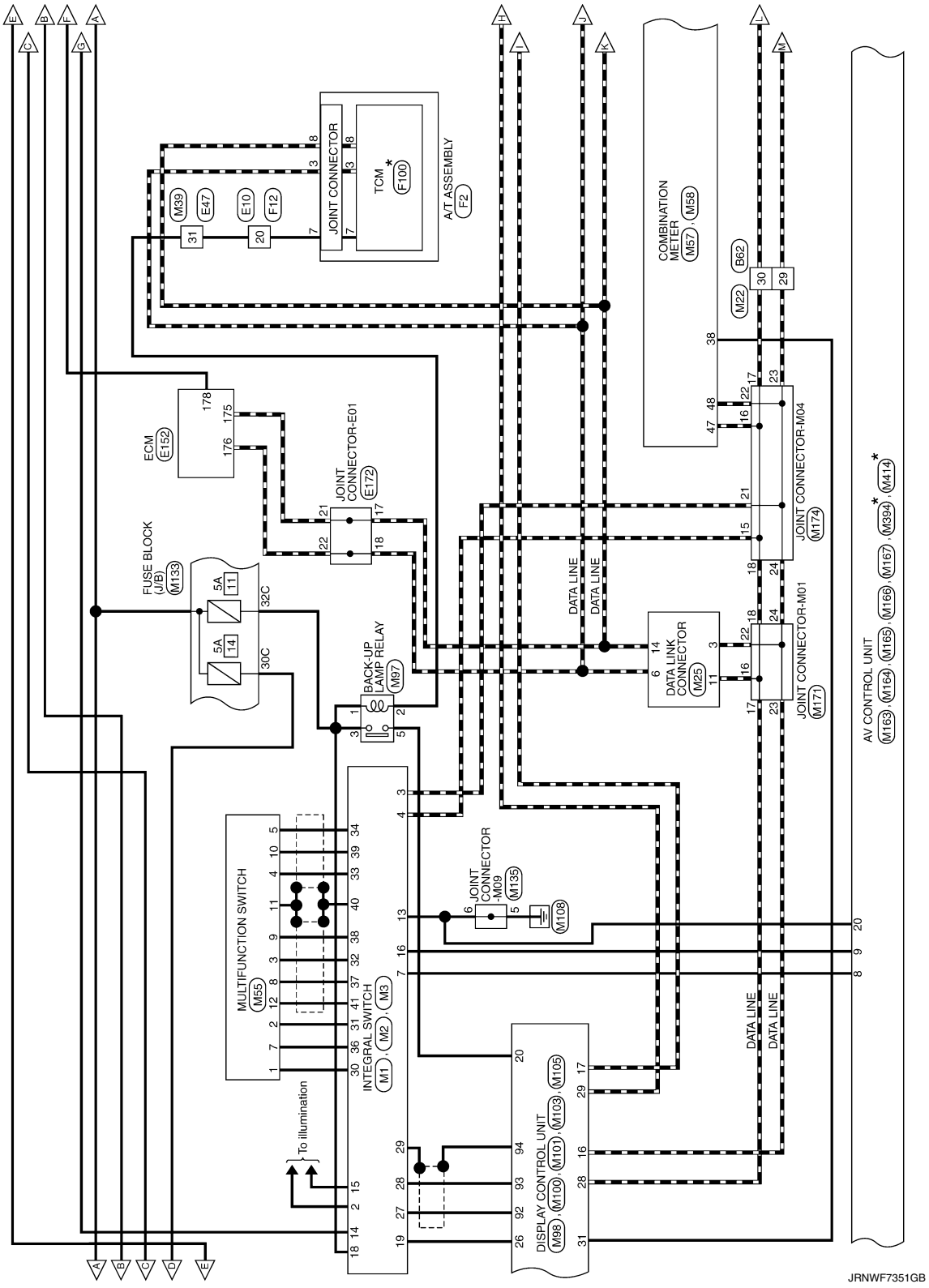
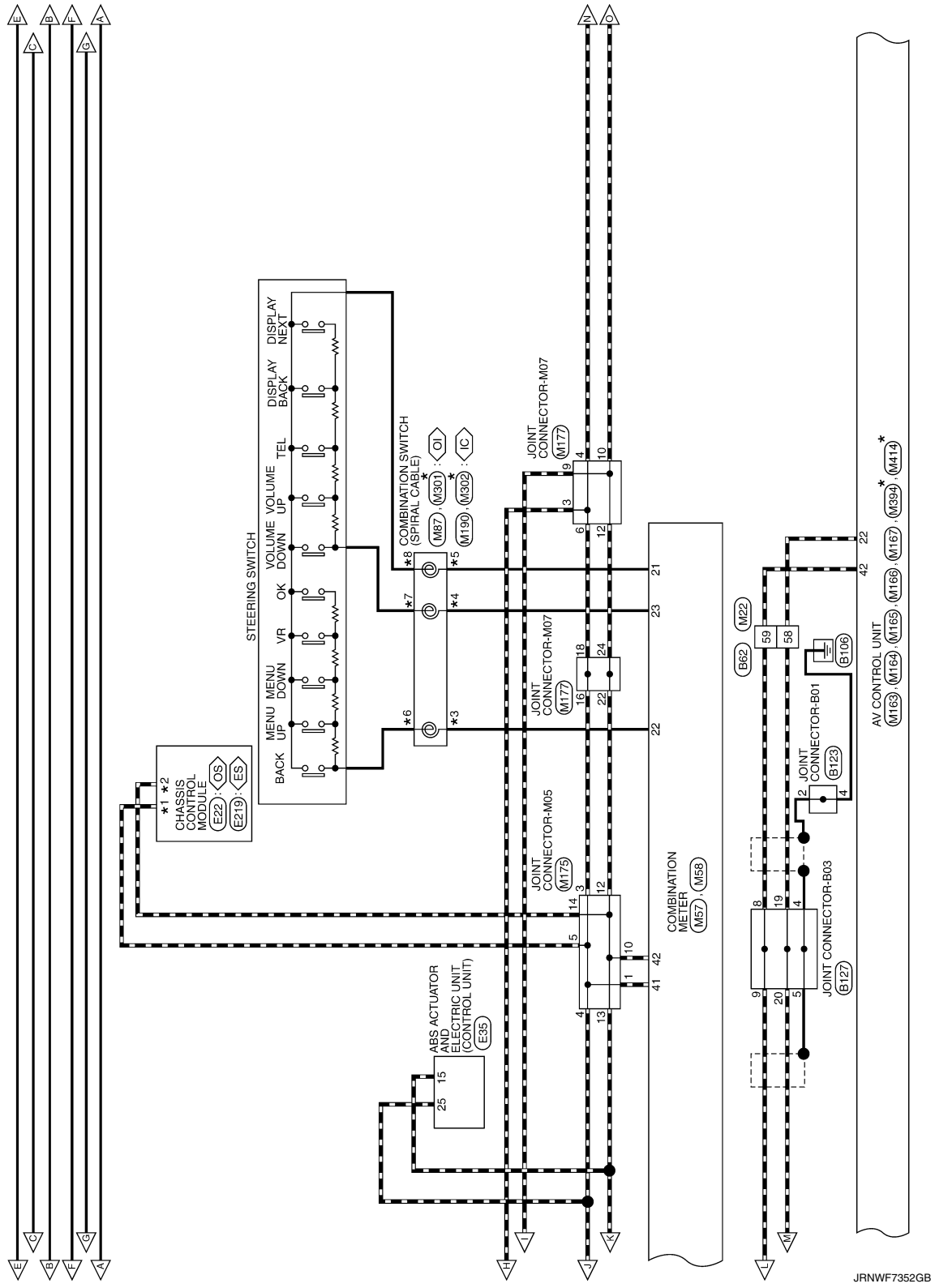
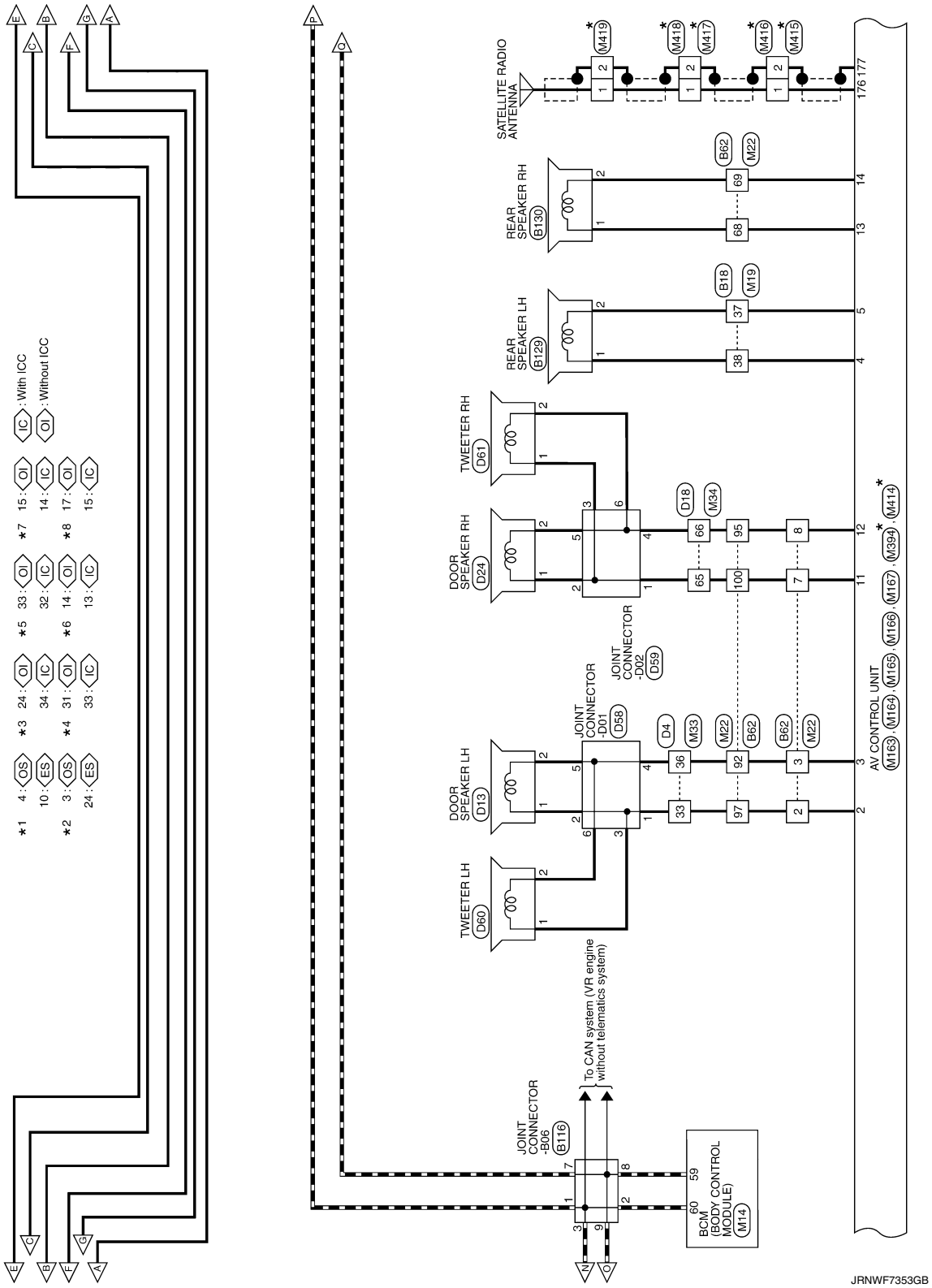
JRNWF7915GB

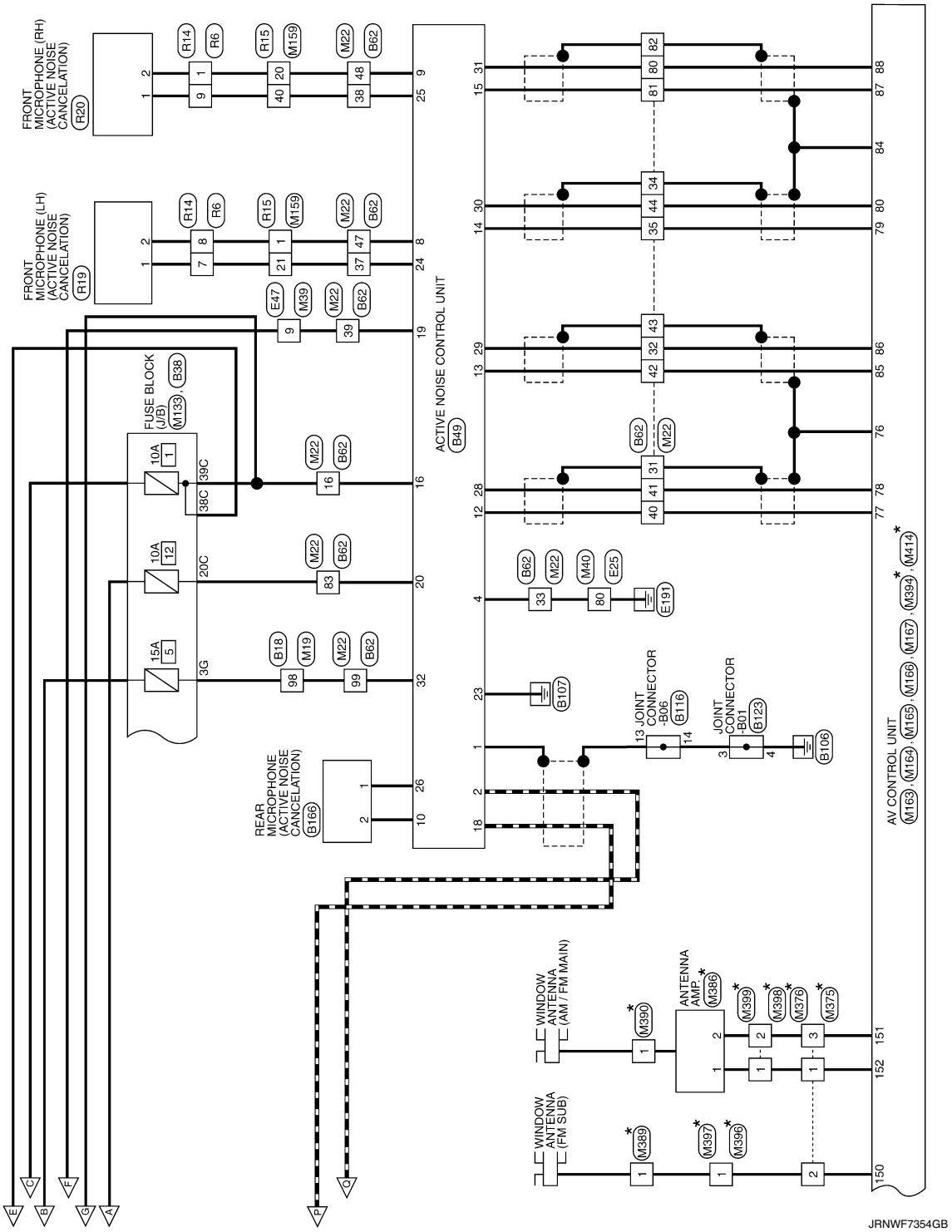
VR ENGINE


INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)
OS : Without digital motion control
ES : With digital motion control
BATTERY
IGNITION SWITCH ACC or ON
IGNITION SWITCH ON or START
FUSE BLOCK (J/B) M132
15A 7
16B
JOINT CONNECTOR -M03 M173
REAR VIEW CAMERA T54
T48 B66
M20 B60
MICROPHONE R12
R15 M159
R16 M160
To illumination
DISPLAY CONTROL UNIT M98, M100, M101, M103, M105
EXTERNAL DATA INPUT BOX M142, M143
JOINT CONNECTOR -M09 M135
M108
AV CONTROL UNIT M163, M164, M165, M166, M167, M394, M414
* : This connector is not shown in "Harness Layout".
2016/04/07
JRNWF7350GB


JOINT CONNECTOR
TCM *
F100
A/T ASSEMBLY
F2
M39
E47
E10
F12
COMBINATION METER
M57
M58
B62
M22
ECM
E152
JOINT CONNECTOR-E01
E172
FUSE BLOCK (J/B)
M133
5A 11
5A 14
32C
30C
BACK-UP LAMP RELAY
M97
DATA LINE
DATA LINK CONNECTOR
M25
JOINT CONNECTOR-M04
M174
JOINT CONNECTOR-M01
M171
AV CONTROL UNIT
M163, M164, M165, M166, M167, M394*, M414*
MULTIFUNCTION SWITCH
M55
INTEGRAL SWITCH
M1, M2, M3
To illumination
JOINT CONNECTOR -M09
M135
M108
DISPLAY CONTROL UNIT
M98, M100, M101, M103, M105
JRNWF7351GB


STEERING SWITCH
MENU UP
BACK
MENU DOWN
VR
OK
VOLUME DOWN
VOLUME UP
TEL
DISPLAY BACK
DISPLAY NEXT
COMBINATION SWITCH (SPIRAL CABLE)
M87 , M301 : OI
M190 , M302 : IC
CHASSIS CONTROL MODULE
E22 : OS
E219 : ES
ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
E35
JOINT CONNECTOR-M07
M177
JOINT CONNECTOR-M07
M177
JOINT CONNECTOR-M05
M175
COMBINATION METER
M57 , M58
JOINT CONNECTOR-B01
B123
JOINT CONNECTOR-B03
B127
AV CONTROL UNIT
M163 , M164 , M165 , M166 , M167 , M394 , M414
B62
M22
B106
JRNWF7352GB

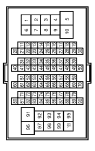

IC : With ICC
OI : Without ICC
SATELLITE RADIO ANTENNA
REAR SPEAKER RH B130
REAR SPEAKER LH B129
TWEETER RH D61
DOOR SPEAKER RH D24
DOOR SPEAKER LH D13
TWEETER LH D60
JOINT CONNECTOR -D01 D58
JOINT CONNECTOR -D02 D59
JOINT CONNECTOR -B06 B116
To CAN system (VR engine without telematics system)
BCM (BODY CONTROL MODULE) M14
AV CONTROL UNIT M163, M164, M165, M166, M167, M394, M414
JRNWF7353GB


FRONT MICROPHONE (RH) (ACTIVE NOISE CANCELATION) R20
FRONT MICROPHONE (LH) (ACTIVE NOISE CANCELATION) R19
REAR MICROPHONE (ACTIVE NOISE CANCELATION) B166
FUSE BLOCK (J/B) M133, B38
10A 1
10A 12
15A 5
ACTIVE NOISE CONTROL UNIT B49
JOINT CONNECTOR -B06 B116
JOINT CONNECTOR -B01 B123
AV CONTROL UNIT M163, M164, M165, M166, M167, M394, M414
WINDOW ANTENNA (AM / FM MAIN) M390
WINDOW ANTENNA (FM SUB) M389
ANTENNA AMP. M386
M399
M398
M376
M375
M397
M396
B107
B106
E191
JRNWF7354GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

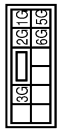
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	L	-
5	Y	-
7	V	-
10	BG	-
11	BG	-
12	LG	-
13	GR	-
14	R	-
15	L	-
16	V	-
18	W	-
19	BR	-
20	W	-
22	R	-
23	V	-
24	R	- [With 2.0L turbo gasoline engine] - [With VR30 engine]
24	Y	-
25	V	- [With 2.0L turbo gasoline engine] - [With VR30 engine]
25	W	-
26	G	-
27	R	-
28	R	-
31	B	- [With VR30 engine]
31	BR	- [With 2.0L turbo gasoline engine]
32	B	-
33	B	-
34	LG	-
35	P	-
36	W	-
37	SB	-
38	LG	-
40	P	-
41	SB	-
42	BR	-
43	BG	-
44	BG	-
46	R	-
50	W	-
51	SB	-
52	V	-
53	LG	-
54	R	-
55	R	-
58	V	-
59	GR	-
60	G	-
61	G	-
62	BG	-
63	BR	-
64	Y	-
66	R	-
70	R	-
71	W	-
72	B	-
73	W	-
74	L	-
75	R	-
76	BR	-
77	B	-
78	SB	-
79	W	-
81	B	-
82	R	-
83	BG	-
84	L	-
85	R	-
86	B	-
88	G	-
89	V	-
91	GR	-
93	GR	-
94	GR	-
96	Y	-
98	BR	- [With VR30 engine and with BOSE system] - [Except with VR30 engine and with BOSE system]
98	Y	

Connector No.	B38
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS

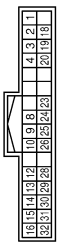
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1G	GR	-
2G	W	-
3G	BR	-
5G	W	-
6G	GR	-

Connector No.	B49
Connector Name	ACTIVE NOISE CONTROL UNIT
Connector Type	TH32FW-NH

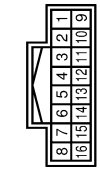
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	GROUND
2	P	CAN-L [With 2.0L turbo gasoline engine]
2	R	CAN-L [With VR30 engine]
3	B	ENGINE TYPE SIGNAL 1
4	B	ENGINE TYPE SIGNAL 2
8	G	FRONT MICROPHONE SIGNAL (LH) (+)
9	BG	FRONT MICROPHONE SIGNAL (RH) (+) [With VR30 engine]
9	SB	FRONT MICROPHONE SIGNAL (RH) (+) [With 2.0L turbo gasoline engine]
10	BG	REAR MICROPHONE SIGNAL (+) [With 2.0L turbo gasoline engine]
10	R	REAR MICROPHONE SIGNAL (+) [With VR30 engine]
12	G	SOUND SIGNAL FRONT LH (+)
13	R	SOUND SIGNAL FRONT RH (+)
14	LG	SOUND SIGNAL REAR LH (+)
15	B	SOUND SIGNAL REAR RH (+)
16	V	ACC POWER SUPPLY
18	L	CAN-H
19	P	ENGINE SPEED SIGNAL
20	W	IGNITION SIGNAL
23	B	GROUND
24	R	FRONT MICROPHONE SIGNAL (LH) (-)
25	L	FRONT MICROPHONE SIGNAL (RH) (-) [With 2.0L turbo gasoline engine]
25	W	FRONT MICROPHONE SIGNAL (RH) (-) [With VR30 engine]
26	B	REAR MICROPHONE SIGNAL (-) [With 2.0L turbo gasoline engine]
26	W	REAR MICROPHONE SIGNAL (-) [With VR30 engine]
28	L	SOUND SIGNAL FRONT RH (-)
29	L	SOUND SIGNAL FRONT LH (-)
30	P	SOUND SIGNAL REAR LH (-)
31	W	SOUND SIGNAL REAR RH (-)
32	Y	BATTERY POWER SUPPLY

Connector No.	B60
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
7	R	-
8	L	-
10	Y	-
11	SHIELD	-
12	B	-
13	W	-
14	R	-

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INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

Connector No.	B62
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	: [With 2.0L turbo gasoline engine and without BOSE system]
1	LG	- [With VR30 engine]
1	W	: [With 2.0L turbo gasoline engine and with BOSE system]
2	L	- [With VR30 engine]
2	SHIELD	- [With 2.0L turbo gasoline engine]
3	BR	- [With 2.0L turbo gasoline engine]
3	R	: [With VR30 engine and with BOSE system]
3	W	: [With VR30 engine and without BOSE system]
4	SHIELD	- [With VR30 engine]
4	Y	- [With 2.0L turbo gasoline engine]
5	G	- [With VR30 engine]
5	V	: [With 2.0L turbo gasoline engine]
6	BG	- [With VR30 engine]
6	BR	- [With 2.0L turbo gasoline engine]
7	B	: [With 2.0L turbo gasoline engine and with BOSE system]
7	BR	- [With VR30 engine and without BOSE system]
7	W	: [With VR30 engine and with BOSE system]
7	Y	: [With 2.0L turbo gasoline engine and without BOSE system]
8	B	: [With VR30 engine and with BOSE system]
8	G	- [With 2.0L turbo gasoline engine]
8	Y	- [With VR30 engine and without BOSE system]
9	LG	- [With 2.0L turbo gasoline engine]
9	SHIELD	- [With VR30 engine]
10	V	-
11	GR	-
12	Y	-
13	R	-
14	BG	-
15	BG	- [With 2.0L turbo gasoline engine]
15	GR	- [With VR30 engine]
16	V	-
17	P	-
18	L	-
19	G	-
20	GR	-
21	R	-
23	W	-
24	BG	- [With 2.0L turbo gasoline engine]
24	V	- [With VR30 engine]
25	L	- [With 2.0L turbo gasoline engine]
25	SB	- [With VR30 engine]
26	G	- [With VR30 engine]
26	W	- [With 2.0L turbo gasoline engine]
27	R	-
28	R	-
29	LG	-
30	LG	- [With 2.0L turbo gasoline engine]
30	P	- [With VR30 engine]
31	SHIELD	-
32	L	-
33	B	- [With VR30 engine]
33	LG	- [With 2.0L turbo gasoline engine]
34	SHIELD	-
35	LG	- [With VR30 engine]
35	W	- [With 2.0L turbo gasoline engine]
36	R	-
37	P	: [With 2.0L turbo gasoline engine and without BOSE system]
37	R	- [With VR30 engine]
37	W	: [With 2.0L turbo gasoline engine and with BOSE system]
38	L	- [With 2.0L turbo gasoline engine and without BOSE system]
38	W	: [Except with 2.0L turbo gasoline engine and without BOSE system]
39	P	: [With VR30 engine and without BOSE system]
39	R	- [With 2.0L turbo gasoline engine]
39	W	- [With VR30 engine and with BOSE system]
40	G	-
41	L	-
42	R	-
43	SHIELD	-
44	P	-
45	B	- [With 2.0L turbo gasoline engine]
45	G	- [With VR30 engine]
46	SHIELD	-
47	G	-
48	BG	[Except with 2.0L turbo gasoline engine and without BOSE system]
48	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
49	G	-
51	GR	- [With 2.0L turbo gasoline engine]
51	L	- [With VR30 engine]
52	W	- [With 2.0L turbo gasoline engine]
52	Y	- [With VR30 engine]
53	R	-
54	GR	-
55	L	-
56	V	-
57	R	-
58	LG	-
59	P	-
60	BR	-
61	L	- [With 2.0L turbo gasoline engine]
61	R	- [With VR30 engine]
62	P	- [With VR30 engine]
62	V	- [With 2.0L turbo gasoline engine]
63	L	-
64	W	-
65	R	-
66	L	- [With 2.0L turbo gasoline engine]
66	LG	- [With VR30 engine]
67	G	-
68	L	-
69	P	-
71	GR	- [With 2.0L turbo gasoline engine]
71	R	- [With VR30 engine]
72	G	- [With VR30 engine]
72	Y	- [With 2.0L turbo gasoline engine]
73	R	- [With 2.0L turbo gasoline engine]
73	SHIELD	- [With VR30 engine]
74	BG	- [With 2.0L turbo gasoline engine]
74	L	- [With VR30 engine]
75	GR	- [With 2.0L turbo gasoline engine]
75	V	- [With VR30 engine]
76	GR	- [With VR30 engine]
76	V	- [With 2.0L turbo gasoline engine]
77	P	-
78	L	-
79	G	-
80	GR	- [With 2.0L turbo gasoline engine]
80	W	- [With VR30 engine]
81	B	- [With VR30 engine]
81	R	- [With 2.0L turbo gasoline engine]
82	G	- [With 2.0L turbo gasoline engine]
82	SHIELD	- [With VR30 engine]
83	R	- [With 2.0L turbo gasoline engine]
83	W	- [With VR30 engine]
84	BR	- [With VR30 engine]
84	SHIELD	- [With 2.0L turbo gasoline engine]
85	BG	- [With VR30 engine]
85	G	- [With 2.0L turbo gasoline engine]
86	R	-
87	LG	- [With VR30 engine]
87	SHIELD	- [With 2.0L turbo gasoline engine]
88	R	-
89	LG	-
90	P	-
92	L	- [With 2.0L turbo gasoline engine]
92	W	- [With VR30 engine]
93	SHIELD	-
94	R	-
95	L	- [With 2.0L turbo gasoline engine]
95	Y	- [With VR30 engine]
96	W	-
97	L	- [With VR30 engine]
97	R	- [With 2.0L turbo gasoline engine and with BOSE system]
97	W	- [With 2.0L turbo gasoline engine and without BOSE system]
99	BR	- [With VR30 engine and with BOSE system]
99	P	- [With 2.0L turbo gasoline engine]
99	Y	- [With VR30 engine and without BOSE system]
100	BR	- [With VR30 engine]
100	W	- [With 2.0L turbo gasoline engine]

Connector No.	B66
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	BG	-
4	SHIELD	-
5	W	-
6	GR	-
8	B	-
9	R	-
10	P	-
11	B	-
13	SHIELD	- [With rear view monitor]
13	W	- [With around view monitor]
14	B	- [With rear view monitor]
14	G	- [With around view monitor]
15	R	- [With around view monitor]
15	W	- [With rear view monitor]
16	B	- [With around view monitor]
16	R	- [With rear view monitor]

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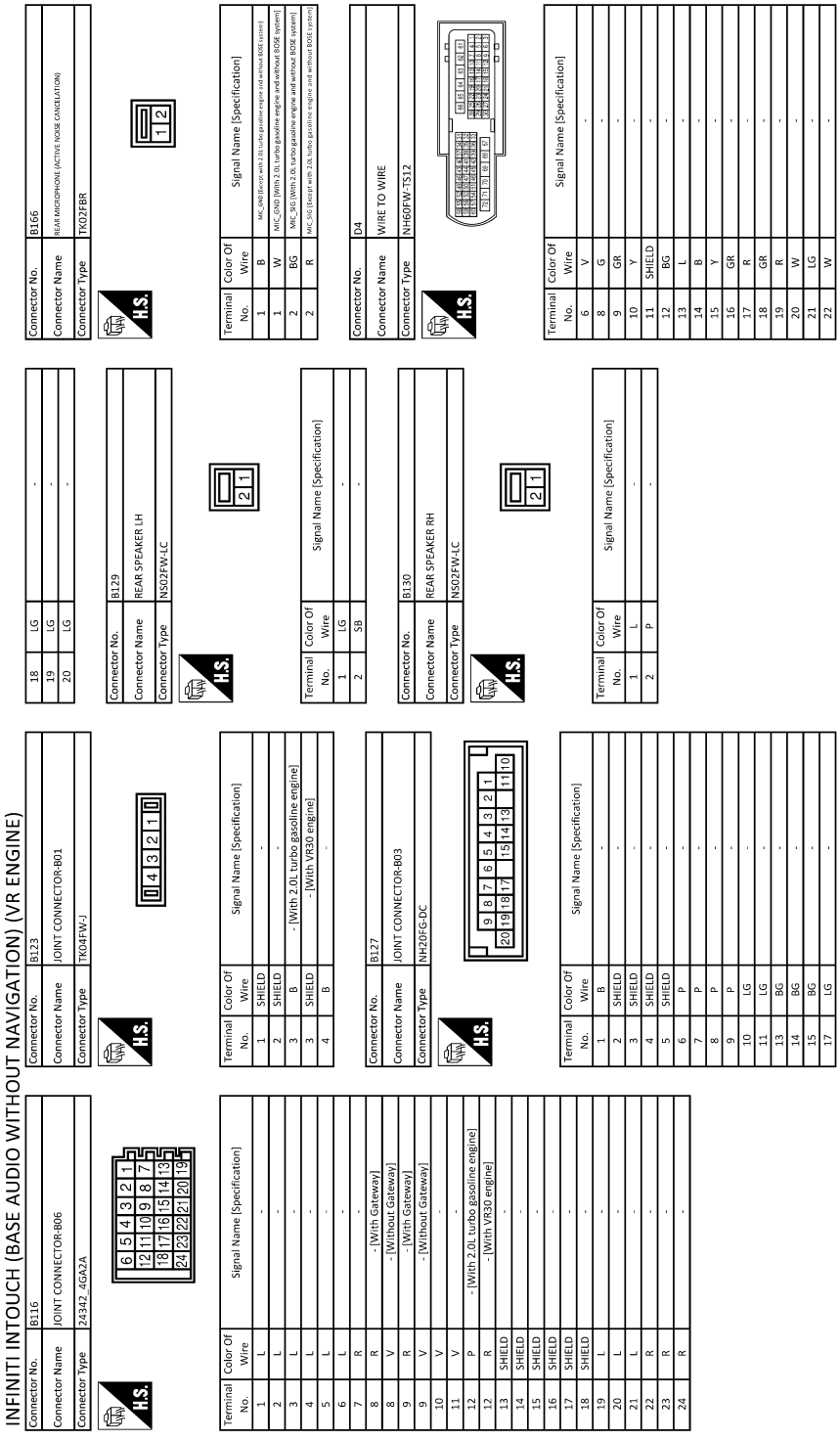
INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)



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INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

23	L
24	G
25	BR
27	BR
28	V
29	B
30	W
31	P
32	Y
33	BR
34	L
35	R
36	GR
37	G
38	R
39	B
40	LG
41	L
43	BG
44	Y
46	W
47	R
49	BR
50	B
52	V
53	GR
54	R
55	SB
56	BR
57	R
58	L
59	V
60	G
61	BG
62	Y
63	SB
64	B
65	Y
66	BR
68	Y
69	L
70	W
71	LG
72	P

Connector No.	D13
Connector Name	DOOR SPEAKER LH
Connector Type	NS02FW-CS

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	GR	-

Connector No.	D18
Connector Name	WIRE TO WIRE
Connector Type	NH60FW-TS12

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	P	-
5	BR	-
6	Y	-
8	W	-
9	L	-
10	L	-
11	GR	-
13	Y	-
16	R	-
17	B	-
18	W	-
19	B	-
20	G	-
21	SHIELD	-
22	GR	-
23	BG	-
24	B	-

25	BR
26	V
27	G
28	V
29	Y
30	R
38	R
39	B
49	LG
51	R
52	P
55	L
56	Y
57	R
58	SB
59	R
60	G
63	B
64	Y
65	BR
66	GR
69	W
70	L
71	BG
72	Y

Connector No.	D24
Connector Name	DOOR SPEAKER RH
Connector Type	NS02FW-CS

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	GR	-

Connector No.	D58
Connector Name	JOINT CONNECTOR-D01
Connector Type	NS06FW-J

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	Y	- [With BOSE system]
2	BR	- [Without BOSE system]
2	Y	- [With BOSE system]
3	BR	- [Without BOSE system]
3	Y	- [With BOSE system]
4	GR	- [Without BOSE system]
4	L	- [With BOSE system]
5	GR	- [Without BOSE system]
5	L	- [With BOSE system]
6	GR	- [Without BOSE system]
6	L	- [With BOSE system]

Connector No.	D59
Connector Name	JOINT CONNECTOR-D02
Connector Type	NS06FW-J

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	L	- [With BOSE system]
2	BR	- [Without BOSE system]
2	L	- [With BOSE system]
3	BR	- [Without BOSE system]
3	L	- [With BOSE system]
4	GR	- [Without BOSE system]
4	W	- [With BOSE system]

JRNWF7358GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

5	GR	- [Without BOSE system]
5	W	- [With BOSE system]
6	GR	- [Without BOSE system]
6	W	- [With BOSE system]

Connector No.	D60
Connector Name	TWEETER LH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	Y	- [With BOSE system]
2	GR	- [Without BOSE system]
2	L	- [With BOSE system]

Connector No.	D61
Connector Name	TWEETER RH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	W	- [With BOSE system]
2	GR	- [Without BOSE system]
2	L	- [With BOSE system]

Connector No.	E10
Connector Name	WIRE TO WIRE
Connector Type	SAA36MB-RS8-SHZB

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	R	-
3	LG	-
4	R	-
5	G	-
7	V	-
8	W	-
9	W	-
10	BG	-
11	LG	-
12	BG	-
13	L	-
14	Y	-
15	LG	-
16	G	-
17	L	-
18	P	-
19	GR	-
20	G	-
21	GR	-
22	W	-
23	G	-
24	BG	-
25	V	-
26	BR	-
27	W	-
28	BG	-
29	LG	-
30	G	-
31	Y	-
32	R	-
33	B	-
34	V	-
35	LG	-
36	W	-
37	V	-
38	BR	-
39	GR	-
40	SHIELD	-
41	B	-
42	R	-
43	Y	-
44	SHIELD	-
45	Y	-
46	P	-
47	L	-
48	LG	-
49	BG	-
50	SHIELD	-
51	W	-
52	G	-

Connector No.	E22
Connector Name	CHASSIS CONTROL MODULE
Connector Type	TH24FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
3	P	CAN-L [Without Gateway]
3	R	CAN-L [With Gateway]
4	L	CAN-H
5	V	DRIVE MODE SELECT SWITCH (UP) [With VR30 engine]
5	Y	DRIVE MODE SELECT SWITCH (UP) [With 2.0L turbo gasoline engine]
6	G	DRIVE MODE SELECT SW (DOWN) [With 2.0L turbo gasoline engine]
6	Y	DRIVE MODE SELECT SW (DOWN) [With VR30 engine]
7	W	CHASSIS COMMUNICATION-L
8	W	CHASSIS COMMUNICATION-L
10	BG	IGNITION POWER SUPPLY [With 2.0L turbo gasoline engine]
10	G	IGNITION POWER SUPPLY [With VR30 engine]
11	L	CHASSIS COMMUNICATION-H
12	B	GROUND [With VR30 engine]
12	B/W	GROUND [With 2.0L turbo gasoline engine]
19	BR	CHASSIS COMMUNICATION-H [With VR30 engine]
19	L	CHASSIS COMMUNICATION-H [With 2.0L turbo gasoline engine]
23	G	ESS RELAY [With VR30 engine]
23	R	ESS RELAY [With 2.0L turbo gasoline engine]

Connector No.	E25
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	-
6	V	-
7	L	-
8	BG	- [With VR30 engine]
8	BR	- [With 2.0L turbo gasoline engine]
9	B	- [With 2.0L turbo gasoline engine]
9	GR	- [With VR30 engine]
10	BR	-
11	L	-
12	GR	- [With VR30 engine]
12	P	- [With 2.0L turbo gasoline engine]
13	SHIELD	- [With 2.0L turbo gasoline engine]
13	W	- [With VR30 engine]
14	B	-
15	GR	- [With 2.0L turbo gasoline engine]
15	SB	- [With VR30 engine]
16	BR	- [With 2.0L turbo gasoline engine]
16	Y	- [With VR30 engine]
17	BR	- [With VR30 engine]
17	GR	- [With 2.0L turbo gasoline engine]
18	G	- [With 2.0L turbo gasoline engine]
18	P	- [With VR30 engine]
19	Y	-
31	W	- [With 2.0L turbo gasoline engine]
31	Y	- [With VR30 engine]
32	G	- [With 2.0L turbo gasoline engine]
32	GR	- [With VR30 engine]
33	L	- [With VR30 engine]
33	Y	- [With 2.0L turbo gasoline engine]
34	P	-
35	GR	-
36	R	-
37	L	- [With 2.0L turbo gasoline engine]
37	V	- [With VR30 engine]
38	L	- [With VR30 engine]
38	R	- [With 2.0L turbo gasoline engine]

JRNWF7359GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

39	BR	- [With 2.0L turbo gasoline engine]
39	Y	- [With VR30 engine]
40	SB	-
41	LG	-
45	L	- [With 2.0L turbo gasoline engine]
45	W	- [With VR30 engine]
46	B	- [With VR30 engine]
46	Y	- [With 2.0L turbo gasoline engine]
47	G	-
48	SHIELD	-
49	R	-
50	BR	- [With VR30 engine]
50	GR	- [With 2.0L turbo gasoline engine]
51	L	-
52	W	-
54	P	- [With VR30 engine]
54	W	- [With 2.0L turbo gasoline engine]
55	B	- [With 2.0L turbo gasoline engine]
55	W	- [With VR30 engine]
56	BG	- [With 2.0L turbo gasoline engine]
56	SB	- [With VR30 engine]
57	BG	- [With VR30 engine]
57	W	- [With 2.0L turbo gasoline engine]
58	B/W	-
59	W	-
61	R	-
64	Y	-
65	BR	-
67	LG	-
68	BG	-
69	L	-
70	R	-
71	G	- [With 2.0L turbo gasoline engine]
71	LG	- [With VR30 engine]
72	L	- [With 2.0L turbo gasoline engine]
72	V	- [With VR30 engine]
73	G	- [With VR30 engine]
73	W	- [With 2.0L turbo gasoline engine]
74	BR	- [With VR30 engine]
74	L	- [With 2.0L turbo gasoline engine]
75	R	- [With 2.0L turbo gasoline engine]
75	V	- [With VR30 engine]
76	G	-
77	Y	-
78	LG	- [With 2.0L turbo gasoline engine and with ADAS]
78	P	- [With VR30 engine]
78	V	- [With 2.0L turbo gasoline engine and without ADAS]
79	SB	-
80	B	- [With VR30 engine]
80	G	- [With 2.0L turbo gasoline engine]
81	R	-
82	V	-
83	BR	- [With 2.0L turbo gasoline engine]
83	R	- [With VR30 engine]
84	LG	-
86	BG	-
87	G	-
88	GR	-
89	LG	-
90	G	- [With VR30 engine]
90	GR	- [With 2.0L turbo gasoline engine]
91	G	-
92	W	-
93	BG	-
94	GR	- [With VR30 engine]
94	L	- [With 2.0L turbo gasoline engine]
95	R	-
96	W	-
97	LG	-
98	L	-
99	LG	- [With 2.0L turbo gasoline engine]
99	P	- [With VR30 engine]
100	SHIELD	-

Connector No.	E35
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	SAZ30FB-SJZ4-U

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	B	GROUND
3	G	VALVE BATTERY [With VR30 engine]
3	P	VALVE BATTERY [With 2.0L turbo gasoline engine]
4	Y	MOTOR BATTERY
5	LG	STOP LAMP SW SIGNAL [With ADAS]
5	V	STOP LAMP SW SIGNAL [With ASCD]
7	GR	RR LH WHEEL SENSOR SIGNAL
8	G	RR LH WHEEL SENSOR POWER SUPPLY
9	BR	FR RH WHEEL SENSOR SIGNAL
10	GR	FR RH WHEEL SENSOR POWER SUPPLY

13	R	VACUUM SENSOR SIGNAL
15	P	CAN-L [Without Gateway]
15	R	CAN-L [With Gateway]
17	Y	RR RH WHEEL SENSOR SIGNAL
18	LG	RR RH WHEEL SENSOR POWER SUPPLY [With 2.0L turbo gasoline engine]
18	V	RR RH WHEEL SENSOR POWER SUPPLY [With VR30 engine]
19	SB	FR LH WHEEL SENSOR SIGNAL
20	BG	FR LH WHEEL SENSOR POWER SUPPLY
25	L	CAN-H
28	G	VACUUM SENSOR POWER SUPPLY
30	R	VDC OFF SW SIGNAL
32	SHIELD	VACUUM SENSOR GROUND
34	G	IGN

Connector No.	E47
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	V	-
3	L	-
4	P	- [Without Gateway]
4	R	- [With Gateway]
5	W	-
6	SB	-
7	BR	-
8	W	-
9	BG	- [Without BOSE system]
9	V	- [With BOSE system]
10	V	-
11	SB	-
12	G	-
13	G	-
15	BR	-
16	P	-
17	SHIELD	-
18	L	-
19	Y	-
20	W	-

21	G	-
22	R	-
23	BR	-
26	BG	-
27	LG	-
28	BR	-
29	W	-
30	Y	-
31	G	-
32	LG	-

Connector No.	E152
Connector Name	ECM
Connector Type	RH24FB-RZ8-L-RH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
173	SB	FUEL TANK PRESSURE SENSOR
175	P	CAN-L
176	L	CAN-H
177	G	SENSOR POWER SUPPLY [FUEL TANK PRESSURE SENSOR]
178	V	TACHO METER SIGNAL
180	P	FUEL TANK TEMPERATURE SENSOR
182	W	FUEL PUMP CONTROL MODULE [FPCM] CHECK
185	SB	IGNITION SWITCH
186	SB	ASCD STEERING SWITCH
187	BG	SENSOR GROUND [ASCD STEERING SWITCH]
188	Y	FUEL PUMP CONTROL MODULE [FPCM]
189	Y	ENGINE COMMUNICATION LINE-L
190	L	ENGINE COMMUNICATION LINE-H
191	P	STOP LAMP SWITCH
192	BG	BRAKE PEDAL POSITION SWITCH
193	GR	EVAP CANISTER VENT CONTROL VALVE
194	W	SENSOR POWER SUPPLY
195	BR	ACCELERATOR PEDAL POSITION SENSOR 2
196	R	SENSOR GROUND [ACCELERATOR PEDAL POSITION SENSOR 2]
197	R	ECM POWER SUPPLY
198	L	SENSOR POWER SUPPLY
199	B	ECM GROUND
200	V	SENSOR GROUND
201	B	ECM GROUND

JRNWF7360GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

202	Y	ACCELERATOR PEDAL POSITION SENSOR 1
203	G	SENSOR GROUND
204	B	ECM GROUND

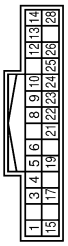
Connector No.	E172
Connector Name	JOINT CONNECTOR-E01
Connector Type	SGA28FLBR-J

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	Y	-
3	W	-
4	L	-
5	GR	-
6	Y	-
7	W	-
8	L	-
9	GR	-
10	Y	-
11	W	-
12	L	-
15	W	-
16	BG	-
17	P	-
18	L	-
19	W	-
20	BG	-
21	P	-
22	L	-
23	SB	-
24	LG	-
25	P	-
26	L	-

Connector No.	E219
Connector Name	CHASSIS CONTROL MODULE
Connector Type	TH28FW

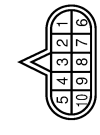
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	ACTUATOR (FL)-L
3	BR	ACTUATOR (RR)-H
4	BG	IGNITION POWER SUPPLY
5	W	CHASSIS COMMUNICATION-L
6	B	GROUND
8	BR	CHASSIS COMMUNICATION-H
9	Y	DRIVE MODE SELECT SW (DOWN)
10	L	CAN-H
12	G	ACTUATOR (FR)-H
13	G	ESS RELAY
14	L	ACTUATOR (RL)-L
15	Y	ACTUATOR (RR)-L
17	V	ACTUATOR (FL)-H
19	L	CHASSIS COMMUNICATION-H
21	W	CHASSIS COMMUNICATION-L
22	V	DRIVE MODE SELECT SWITCH (UP)
23	B	GROUND
24	P	CAN-L (Without Gateway)
24	R	CAN-L (With Gateway)
25	G	IGNITION POWER SUPPLY
26	V	ACTUATOR (RL)-H
28	R	ACTUATOR (FR)-L

Connector No.	F2
Connector Name	A/T ASSEMBLY
Connector Type	RK10FG-DGY

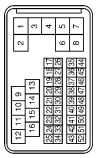
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	IGNITION POWER SUPPLY
2	P	BATTERY POWER SUPPLY (MEMORY BACK-UP)
3	L	CAN-H
4	R	K-LINE
5	BR	GROUND
6	GR	IGNITION POWER SUPPLY
7	BG	BACK-UP LAMP RELAY
8	P	CAN-L
9	V	STARTER RELAY
10	B	GROUND

Connector No.	F12
Connector Name	WIRE TO WIRE
Connector Type	SAA36FB-RS8-SHZ8

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	GR	-
3	BG	-
4	R	-
5	G	-
7	L	-
8	W	-
9	W	-
10	BG	-
11	R	-
12	LG	-
13	L	-
14	Y	-
15	LG	-
16	Y	-
17	L	-
18	P	-
19	GR	-
20	BG	-
21	GR	-
22	W	-
23	G	-
24	SB	-
25	V	-
26	W	-
27	V	-
28	W	-
29	Y	-
30	R	-
31	P	-
32	R	-
33	P	-
34	BG	-
35	LG	-
36	SB	-
37	V	-
38	BR	-
39	GR	-
40	SHIELD	-
41	B	-
42	R	-
43	Y	-
45	Y	-
46	P	-
47	L	-
48	LG	-
49	BG	-
50	SHIELD	-
51	W	-
52	G	-

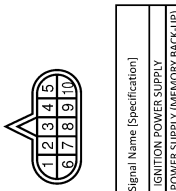
JRNWF7361GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

Connector No.	F100
Connector Name	TCM
Connector Type	SP10FG

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	IGNITION POWER SUPPLY
2	-	BATTERY POWER SUPPLY (MEMORY BACK-UP)
3	-	CAN-H
4	-	K-LINE
5	-	GROUND
6	-	IGNITION POWER SUPPLY
7	-	BACK-UP LAMP RELAY
8	-	CAN-L
9	-	STARTER RELAY
10	-	GROUND

Connector No.	M1
Connector Name	INTEGRAL SWITCH
Connector Type	TH24FW-NH

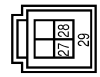


Terminal No.	Color Of Wire	Signal Name [Specification]
2	R	ILLUMINATION SIGNAL
3	LG	AV COMMUNICATION SIGNAL (L)
4	SB	AV COMMUNICATION SIGNAL (H)
7	W/B	DISK EJECT SIGNAL
8	G	HAZARD SIGNAL
13	B	GROUND
14	SB	ACC POWER SUPPLY [With 2.0L turbo gasoline engine]
14	V	ACC POWER SUPPLY [With VR30 engine]
15	B	ILLUMINATION CONTROL SIGNAL
16	BG	DISK EJECT SIGNAL GROUND

Connector No.	F100
Connector Name	TCM
Connector Type	SP10FG

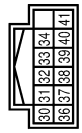
Terminal No.	Color Of Wire	Signal Name [Specification]
18	R	IGNITION SIGNAL [With VR30 engine]
18	W	IGNITION SIGNAL [With 2.0L turbo gasoline engine]
19	BR	CAMERA SWITCH SIGNAL

Connector No.	M2
Connector Name	INTEGRAL SWITCH
Connector Type	Tyco_1554987-6



Terminal No.	Color Of Wire	Signal Name [Specification]
27	W	LVDS (+)
28	B	LVDS (-)
29	SHIELD	SHIELD

Connector No.	M3
Connector Name	INTEGRAL SWITCH
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
30	BR	ILLUMINATION SIGNAL [MULTIFUNCTION SWITCH]
31	W	GROUND [MULTIFUNCTION SWITCH]
32	R	ENCD-B SIGNAL
33	R	PUSH SWITCH A SIGNAL
34	W	PUSH SWITCH C SIGNAL
36	V	ILLUMINATION CONTROL SIGNAL [MULTIFUNCTION SWITCH]
37	W	ENCD-A SIGNAL
38	G	SELECT SWITCH SIGNAL
39	B	PUSH SWITCH B SIGNAL
40	B	SHIELD
41	L	L/R DETECTION SIGNAL

Connector No.	M14
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
48	R	PUSH-BTN IGN SW ILL PWR
52	G	DONGLE LINK
54	V	COMM LINE
55	R	RAIN SENSOR
59	P	CAN-L
60	L	CAN-H
61	G	REAR WINDOW DEF RLY CONT
62	R	STARTER RLY CONT
64	V	I-KEY WARN BUZZER
65	B	OUTS HD LAMP CONT
66	B	BLOWER FAN RLY CONT [With VR30 engine]
66	Y	BLOWER FAN RLY CONT [With 2.0L turbo gasoline engine]
67	W/B	IGN RLYAY (F/B) CONT
68	R	DIMMER
69	GR	A/T SHIFT SELECT PWR SPLY
70	B	IGN RLYAY (IPDM E/R) CONT
71	G	DR DOOR REQ SW
72	SB	PASS DOOR REQ SW
75	BR	COMBI SW INPUT 5
76	BG	COMBI SW INPUT 4
77	V	COMBI SW INPUT 3
78	Y	COMBI SW INPUT 2
79	LG	COMBI SW INPUT 1
80	L	TR LID OPNR SW

Connector No.	M19
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

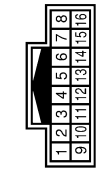
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	SB	-
5	Y	-
7	W	-
10	BG	-
11	BR	-
12	LG	-
13	GR	-
14	R	-
15	L	-
16	V	-
18	W	-
19	BR	-
20	W	-
24	R	- [With 2.0L turbo gasoline engine]
24	Y	- [With VR30 engine]
25	P	- [With 2.0L turbo gasoline engine]
25	W	- [With VR30 engine]
26	G	-
27	R	-
28	R	-
31	BR	-
32	B	-
33	B	-
34	V	-
35	P	-
36	W	-
37	SB	-
38	LG	-
40	P	-
41	G	-
42	BR	-
43	BR	-
44	BR	-
46	BG	-

JRNWF7362GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

50	W	-
51	Y	-
52	V	-
53	LG	-
54	R	-
55	R	-
58	V	-
59	BG	-
60	G	-
61	G	-
62	BG	-
63	BR	-
64	Y	-
66	R	-
70	LG	-
71	W	-
72	B	-
73	W	-
74	L	-
75	W	-
76	BR	-
77	B	-
78	SB	-
79	W	-
81	B	-
82	R	-
83	BG	-
84	L	-
85	W	-
86	B	-
88	G	-
89	V	-
91	GR	-
93	GR	-
94	GR	-
96	W	-
98	BR	- [With VR30 engine and with BOSE system]
98	Y	- [Except with VR30 engine and with BOSE system]

Connector No. M20
Connector Name WIRE TO WIRE
Connector Type TH16MW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
7	W	-
8	L	-
10	Y	-
11	SHIELD	-
12	B	-
13	W	-
14	R	-

Connector No. M22
Connector Name WIRE TO WIRE
Connector Type TH80MW-CS16-TM4

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	L	- [With VR30 engine]
2	SHIELD	- [With 2.0L turbo gasoline engine]
3	BR	- [With 2.0L turbo gasoline engine]
3	R	- [With VR30 engine]
4	SHIELD	- [With VR30 engine]
4	Y	- [With 2.0L turbo gasoline engine]
5	G	- [With VR30 engine]
5	V	- [With 2.0L turbo gasoline engine]
6	BG	- [With VR30 engine]
6	BR	- [With 2.0L turbo gasoline engine]
7	LG	- [With VR30 engine]
7	P	- [With 2.0L turbo gasoline engine]

8	G	- [With 2.0L turbo gasoline engine]
8	P	- [With VR30 engine]
9	LG	- [With 2.0L turbo gasoline engine]
9	SHIELD	- [With VR30 engine]
10	V	-
11	GR	-
12	V	-
13	LG	-
14	LG	-
15	BR	- [With 2.0L turbo gasoline engine]
15	P	- [With VR30 engine]
16	SB	- [With DCM]
16	V	- [Without DCM]
17	Y	-
18	L	-
19	G	-
20	GR	-
21	R	-
23	L	-
24	BG	- [With 2.0L turbo gasoline engine]
24	V	- [With VR30 engine]
25	L	- [With 2.0L turbo gasoline engine]
25	SB	- [With VR30 engine]
26	G	- [With VR30 engine]
26	W	- [With 2.0L turbo gasoline engine]
27	R	-
28	R	-
29	LG	-
30	SB	- [With VR30 engine]
30	W	- [With 2.0L turbo gasoline engine]
31	SHIELD	-
32	L	-
33	B	- [With VR30 engine]
33	LG	- [With 2.0L turbo gasoline engine]
34	SHIELD	-
35	LG	- [With VR30 engine]
35	W	- [With 2.0L turbo gasoline engine]
36	R	-
37	R	- [With VR30 engine]
37	V	- [With 2.0L turbo gasoline engine]
38	L	- [With 2.0L turbo gasoline engine and without BOSE system]
38	W	- [Except with 2.0L turbo gasoline engine and without BOSE system]
39	P	- [With VR30 engine and without BOSE system]
39	R	- [With 2.0L turbo gasoline engine]
39	V	- [With VR30 engine and with BOSE system]
40	G	-
41	L	-
42	R	-
43	SHIELD	-
44	P	-

45	B	- [With 2.0L turbo gasoline engine]
45	G	- [With VR30 engine]
46	SHIELD	-
47	G	-
48	BG	- [With VR30 engine and with BOSE system]
48	BR	- [With VR30 engine and without BOSE system]
48	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
49	G	-
51	L	- [With VR30 engine]
51	V	- [With 2.0L turbo gasoline engine]
52	L	- [With 2.0L turbo gasoline engine]
52	Y	- [With VR30 engine]
53	R	-
54	GR	-
55	L	-
56	P	-
57	R	-
58	LG	-
59	SB	-
60	BR	-
61	L	- [With 2.0L turbo gasoline engine]
61	R	- [With VR30 engine]
62	P	- [With 2.0L turbo gasoline engine]
62	V	- [With VR30 engine]
63	L	-
64	W	-
65	R	-
66	L	- [With 2.0L turbo gasoline engine]
66	R	- [With VR30 engine]
67	G	-
68	L	-
69	P	-
71	GR	- [With 2.0L turbo gasoline engine]
71	R	- [With VR30 engine]
72	G	- [With VR30 engine]
72	V	- [With 2.0L turbo gasoline engine]
73	LG	- [With 2.0L turbo gasoline engine]
73	SHIELD	- [With VR30 engine]
74	L	- [With VR30 engine]
74	LG	- [With 2.0L turbo gasoline engine]
75	P	-
76	SB	- [With 2.0L turbo gasoline engine]
76	V	- [With VR30 engine]
77	Y	-
78	L	-
79	G	-
80	GR	- [With 2.0L turbo gasoline engine]
80	W	- [With VR30 engine]
81	B	- [With VR30 engine]
81	R	- [With 2.0L turbo gasoline engine]

JRNWF7363GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

82	G	- [With 2.0L turbo gasoline engine]
82	SHIELD	- [With VR30 engine]
83	R	- [With 2.0L turbo gasoline engine]
83	W	- [With VR30 engine]
84	BR	- [With VR30 engine]
84	SHIELD	- [With 2.0L turbo gasoline engine]
85	BR	- [With VR30 engine]
85	G	- [With 2.0L turbo gasoline engine]
86	R	-
87	LG	- [With VR30 engine]
87	SHIELD	- [With 2.0L turbo gasoline engine]
88	R	-
89	LG	-
90	SB	-
92	L	- [With 2.0L turbo gasoline engine]
92	W	- [With VR30 engine]
93	SHIELD	-
94	R	-
95	L	- [With 2.0L turbo gasoline engine]
95	Y	- [With VR30 engine]
96	W	-
97	L	- [With VR30 engine]
97	R	- [With 2.0L turbo gasoline engine]
99	BR	- [With VR30 engine and with BOSE system]
99	P	- [With 2.0L turbo gasoline engine]
99	Y	[With VR30 engine and without BOSE system]
100	BR	- [With VR30 engine]
100	W	- [With 2.0L turbo gasoline engine]

Connector No.	M25
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW

Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	M_CAN_L
4	B	EARTH
5	B	EARTH
6	L	CAN-H
7	V	K-LINE [With 2.0L turbo gasoline engine]
7	W	K-LINE [With VR30 engine]
8	W	IGN_SW
11	SB	M_CAN_H
12	R	CAN-L
13	L	CAN-H
14	P	CAN-L
16	W	POWER

Connector No.	M33
Connector Name	WIRE TO WIRE
Connector Type	NH60MW-TS12

Terminal No.	Color Of Wire	Signal Name [Specification]
6	R	-
8	GR	-
9	GR	-
10	W	-
11	SHIELD	-
12	P	-
13	SB	-
14	LG	-
15	Y	-
16	Y	-
17	P	-
18	W/B	-
19	LG	- [With DRPO]
19	Y	- [Without DRPO]
20	V	-
21	B	-
22	BG	- [Without DRPO]
22	G	- [With DRPO]
23	L	-
24	Y	-
25	BG	- [Without DRPO]
25	L	- [With DRPO]
27	GR	-
28	V	-
29	B	-
30	W	-
31	B	-
32	SB	-
33	L	-
34	BR	-
35	LG	-
36	W	-
37	B	-
38	R	-
39	B	-
40	P	-
41	SB	-
43	W	- [With 2.0L turbo gasoline engine]
43	Y	- [With VR30 engine]
44	BG	-
46	BR	-
47	G	-
49	V	-
50	B	-
52	BR	-
53	B	-
54	L	-
55	BG	-
56	LG	-
57	V	-
58	R	-
59	G	-
60	L	-
61	G	-
62	R	-
63	V	-
64	B	-
65	R	-
66	BR	-
68	P	-
69	V	-
70	W	-
71	LG	-
72	V	-

Connector No.	M34
Connector Name	WIRE TO WIRE
Connector Type	NH60MW-TS12

Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	R	-
5	L	-
6	R	-
8	W	-
9	GR	-
10	V	-
11	Y	-
13	LG	-
16	G	-
17	B	-
18	W	-
19	B	-
20	SB	- [With DRPO]
20	Y	- [Without DRPO]
21	SHIELD	-
22	B	-
23	BG	- [Without DRPO]
23	P	- [With DRPO]
24	G	-
25	LG	-
26	BG	- [Without DRPO]
26	BR	- [With DRPO]
27	R	-
28	SB	-
29	BG	- [Without DRPO]
29	W/B	- [With DRPO]
30	L	-
38	R	-
39	B	-
49	P	-
51	V	-
52	V	-
55	B	-
56	SB	-
57	G	-

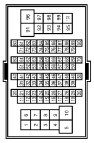
JRNWF7364GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W/B	-
2	SB	-
3	L	-
4	P	- [Without Gateway]
4	R	- [With Gateway]
5	BR	-
6	SB	-
7	L	-
8	W	-
9	P	- [Without BOSE system]
9	V	- [With BOSE system]
10	V	-
11	SB	-
12	G	-
13	G	-
15	R	-
16	SB	-
17	SHIELD	-
18	W	-
19	Y	-
20	L	-
21	G	-
22	R	-
23	BR	-
26	Y	-
27	LG	-
28	BR	-
29	W/B	-
30	Y	-
31	W	-
32	LG	-

Connector No.	M39
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	-
6	W/B	-
7	V	- [With VR30 engine]
8	BG	- [With 2.0L turbo gasoline engine]
8	BR	- [With VR30 engine]
9	LG	- [With 2.0L turbo gasoline engine]
9	P	- [With VR30 engine]
10	W	- [With 2.0L turbo gasoline engine]
11	W	- [With VR30 engine]
11	Y	- [With 2.0L turbo gasoline engine]
12	B	- [With VR30 engine]
12	BR	- [With 2.0L turbo gasoline engine]
13	GR	- [With VR30 engine]
13	SHIELD	- [With 2.0L turbo gasoline engine]
14	B	-
15	BG	- [With 2.0L turbo gasoline engine]
15	SB	- [With VR30 engine]
16	B	- [With 2.0L turbo gasoline engine]
16	BR	-
17	LG	- [With VR30 engine]
18	B	- [With 2.0L turbo gasoline engine]
18	W/B	- [With VR30 engine]
19	Y	-
31	W	-
32	G	- [With 2.0L turbo gasoline engine]
32	V	- [With VR30 engine]
33	L	- [With VR30 engine]
33	Y	- [With 2.0L turbo gasoline engine]
34	P	-
35	BG	-
36	G	-
37	B	- [With VR30 engine]
37	L	- [With 2.0L turbo gasoline engine]
38	L	- [With VR30 engine]
38	R	- [With 2.0L turbo gasoline engine]
39	R	- [With 2.0L turbo gasoline engine]
39	Y	- [With VR30 engine]
40	GR	-
41	L	-
45	L	- [With 2.0L turbo gasoline engine]
45	W	- [With VR30 engine]
46	G	- [With VR30 engine]
46	Y	- [With 2.0L turbo gasoline engine]
47	BG	- [With 2.0L turbo gasoline engine]
47	R	- [With VR30 engine]
48	SHIELD	-
49	B	- [With VR30 engine]
49	G	- [With 2.0L turbo gasoline engine]
50	B	- [With 2.0L turbo gasoline engine]
50	BR	- [With VR30 engine]
51	L	-
52	W	-
54	SB	- [With 2.0L turbo gasoline engine]
54	Y	- [With VR30 engine]
55	B	- [With 2.0L turbo gasoline engine]
55	P	- [With VR30 engine]
56	BG	[With VR30 engine]
56	GR	- [With 2.0L turbo gasoline engine]
57	GR	- [With VR30 engine]
57	P	- [With 2.0L turbo gasoline engine]
58	B	-
59	SB	-
61	W/B	-
64	Y	-
65	R	-
67	LG	-
68	BG	-
69	L	-
70	R	-
71	V	- [With VR30 engine]
71	W	- [With 2.0L turbo gasoline engine]
72	L	- [With 2.0L turbo gasoline engine]
72	LG	- [With VR30 engine]
73	R	-
73	W	- [With 2.0L turbo gasoline engine]
74	BR	- [With VR30 engine]
74	L	- [With 2.0L turbo gasoline engine]
75	B	- [With VR30 engine]
75	R	- [With 2.0L turbo gasoline engine]
76	W/B	-
77	SB	-
78	G	- [With VR30 engine]
78	LG	- [With 2.0L turbo gasoline engine]
79	R	-
80	B	- [With VR30 engine]
80	G	- [With 2.0L turbo gasoline engine]
81	R	-
82	LG	-
83	BR	- [With 2.0L turbo gasoline engine]
83	R	- [With VR30 engine]
84	V	-
86	V	-
87	G	-
88	R	-
89	V	-
90	G	- [With VR30 engine]
90	V	- [With 2.0L turbo gasoline engine]
91	W	-
92	G	- [With VR30 engine]
92	W	- [With 2.0L turbo gasoline engine]
93	BR	-
94	GR	- [With VR30 engine]
94	L	- [With 2.0L turbo gasoline engine]
95	BR	- [With VR30 engine]
95	R	- [With 2.0L turbo gasoline engine]
96	W	-
97	LG	-
98	Y	-
99	BR	- [With VR30 engine]
99	LG	- [With 2.0L turbo gasoline engine]
100	SHIELD	-

JRNWF7365GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

Connector No.	M55
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH12FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	ILL
2	W	GND
3	R	ENCD-B SIGNAL
4	R	PUSH SWITCH A SIGNAL
5	W	PUSH SWITCH C SIGNAL
7	V	ILLUMINATION CONTROL SIGNAL
8	W	ENCD-A SIGNAL
9	G	SELECT SWITCH SIGNAL
10	B	PUSH SWITCH B SIGNAL
11	B	SHIELD
12	L	L/R_DETECTION SIGNAL

Connector No.	M57
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	GROUND
6	GR	STOP/START OFF SWITCH INDICATOR SIGNAL
7	G	SECURITY SIGNAL
8	B	-
11	W	ALTERNATOR SIGNAL
14	V	ACC POWER SUPPLY
16	V	AIR BAG SIGNAL
17	BR	METER CONTROL SWITCH GROUND
18	SB	TRIP/RESET SIGNAL
21	B	STEERING SWITCH SIGNAL GROUND
22	P	STEERING SWITCH SIGNAL A
23	W/B	STEERING SWITCH SIGNAL B
24	L	WASHER LEVEL SWITCH SIGNAL
25	LG	BRAKE FLUID LEVEL SWITCH SIGNAL
26	V	PARKING BRAKE SWITCH SIGNAL
27	G	PASSENGER SEAT BELT WARNING SIGNAL
28	W	SEAT BELT BUCKLE SWITCH SIGNAL [DRIVER SIDE]
30	G	MANUAL MODE SIGNAL [With 2.0L turbo gasoline engine models]
30	SB	MANUAL MODE SIGNAL [With VR30DDTT engine models]
31	G	NON-MANUAL MODE SIGNAL [With VR30DDTT engine models]
31	L	NON-MANUAL MODE SIGNAL [With 2.0L turbo gasoline engine models]
32	BG	MANUAL MODE SHIFT UP SIGNAL
33	GR	MANUAL MODE SHIFT DOWN SIGNAL [With VR30DDTT engine models]
33	P	MANUAL MODE SHIFT DOWN SIGNAL [With 2.0L turbo gasoline engine models]
34	BG	PADDLE SHIFTER UP SWITCH SIGNAL
35	G	PADDLE SHIFTER DOWN SWITCH SIGNAL
36	V	ILLUMINATION CONTROL SWITCH SIGNAL (+)
37	GR	ILLUMINATION CONTROL SWITCH SIGNAL (-)
38	R	VEHICLE SPEED SIGNAL (8-PULSE)

Connector No.	M58
Connector Name	COMBINATION METER
Connector Type	TH12FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
41	L	CAN-H
42	P	CAN-L
43	B	ILLUMINATION CONTROL SIGNAL
44	Y	FUEL LEVEL SENSOR GROUND
45	W	BATTERY POWER SUPPLY
46	BG	IGNITION SIGNAL [With 2.0L turbo gasoline engine models]
46	R	IGNITION SIGNAL [With VR30DDTT engine models]
47	SB	AV COMMUNICATION SIGNAL (H)
48	LG	AV COMMUNICATION SIGNAL (L)
51	BR	FUEL LEVEL SENSOR SIGNAL
52	B	GROUND

Connector No.	M87
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FGY-1V

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
24	P	-
25	SB	-
31	W/B	-
32	Y	-
33	B	-

Connector No.	M97
Connector Name	BACK-UP LAMP RELAY
Connector Type	MSD2FL-M2-LC

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	SB	- [With 2.0L turbo gasoline engine]
2	W	- [With VR30 engine]
3	R	-
5	BR	-

Connector No.	M98
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-5

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	USB GROUND
2	W	USB V BUS SIGNAL
3	R	USB D- SIGNAL
4	L	USB D+ SIGNAL
5	SHIELD	SHIELD

Connector No.	M100
Connector Name	DISPLAY CONTROL UNIT
Connector Type	TH24FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
16	LG	AV COMMUNICATION SIGNAL (L)
17	P	CAN-L
19	R	DIMMER SIGNAL
20	BR	REVERSE SIGNAL
22	B	GROUND
26	BR	CAMERA SWITCH SIGNAL
28	SB	AV COMMUNICATION SIGNAL (H)
29	L	CAN-H
30	R	IGNITION SIGNAL [With VR30 engine]
30	W	IGNITION SIGNAL [With 2.0L turbo gasoline engine]
31	R	VEHICLE SPEED SIGNAL (8-PULSE)
33	SB	ACC POWER SUPPLY
34	Y	BATTERY POWER SUPPLY

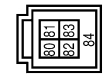
JRNWF7366GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

Connector No.	M101
Connector Name	DISPLAY CONTROL UNIT
Connector Type	TH40FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
36	LG	COMPOSITE IMAGE SIGNAL (-)
38	SHIELD	SHIELD
40	SHIELD	MANUFACTURER SPECIFIC SIGNAL
42	G	SOUND SIGNAL RH (-)
43	SHIELD	SHIELD
44	L	SOUND SIGNAL LH (-)
45	W	TEL VOICE SIGNAL (-)
46	SHIELD	SHIELD
47	R	VOICE GUIDANCE SIGNAL OUTPUT (-)
48	B	VOICE GUIDANCE SIGNAL INPUT (-)
49	W	NS ON/OFF SIGNAL
50	R	MICROPHONE SIGNAL GROUND [WITH NAVIGATION]
51	SHIELD	SHIELD
52	SHIELD	MICROPHONE SIGNAL GROUND
54	W	CAMERA POWER SUPPLY GROUND
55	SHIELD	SHIELD
56	BR	COMPOSITE IMAGE SIGNAL (+)
58	B	CAMERA IMAGE SIGNAL
60	W	SOUND SIGNAL (-)
61	B	SOUND SIGNAL (+)
62	R	SOUND SIGNAL RH (+)
63	SHIELD	SHIELD
64	V	SOUND SIGNAL LH (+)
65	B	TEL VOICE SIGNAL (+)
66	SHIELD	SHIELD
67	G	VOICE GUIDANCE SIGNAL OUTPUT (+)
68	W	VOICE GUIDANCE SIGNAL INPUT (+)
69	SHIELD	SHIELD
70	G	MICROPHONE SIGNAL [NAVI]
71	G	MICROPHONE SIGNAL [Without telematics system]
71	R	MICROPHONE SIGNAL [With telematics system]
72	L	MICROPHONE VCC
74	R	CAMERA POWER SUPPLY

Connector No.	M103
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-1

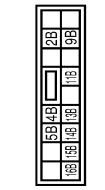


Terminal No.	Color Of Wire	Signal Name [Specification]
80	G	USB GROUND
81	W	USB V BUS SIGNAL
82	R	USB D- SIGNAL
83	L	USB D+ SIGNAL
84	SHIELD	SHIELD

Connector No.	M105
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-6

Terminal No.	Color Of Wire	Signal Name [Specification]
92	W	LVDS (+)
93	B	LVDS (-)
94	SHIELD	SHIELD

Connector No.	M132
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
11B	LG	-
13B	P	-
14B	G	-
15B	Y	-
16B	Y	-
2B	B	-
4B	W	-
5B	R	-
9B	Y	-

Connector No.	M133
Connector Name	FUSE BLOCK (J/B)
Connector Type	TH40FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
10C	V	-
12C	L	-
13C	L	-
14C	Y	-
15C	R	-
16C	R	-
17C	L	-
18C	BG	- [Without DRPO]
18C	P	- [With DRPO]
19C	B	-
1C	R	-

20C	W	-
21C	L	-
22C	L	-
23C	L	-
25C	LG	-
26C	SB	-
27C	P	-
28C	W	-
29C	W	-
2C	R	-
30C	R	-
31C	W	-
32C	R	-
33C	B	- [With VR30 engine]
33C	R	- [With 2.0L turbo gasoline engine]
34C	W/B	-
35C	SB	-
36C	R	-
37C	W	-
38C	SB	-
39C	V	-
3C	P	-
40C	G	-
4C	P	-
5C	P	-
6C	G	-
7C	G	-
8C	G	-
9C	V	-

Connector No.	M135
Connector Name	JOINT CONNECTOR-M09
Connector Type	24342_4GA2A

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-
4	B	-
5	B	-

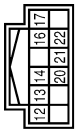
JRNWF7367GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

6	B
9	LG
10	LG
11	LG
13	B
13	SB
14	B
14	SB
15	B
15	SB
16	SB
16	Y
17	SB
17	Y
18	SB
18	Y
19	SHIELD
20	R
21	R
22	SHIELD
23	L
24	L

-	
-	
-	
- [With VR30 engine]	
- [With 2.0L turbo gasoline engine]	
- [With VR30 engine]	
- [With 2.0L turbo gasoline engine]	
- [With VR30 engine]	
- [With 2.0L turbo gasoline engine]	
- [With VR30 engine]	
- [With 2.0L turbo gasoline engine]	
- [With VR30 engine]	
- [With 2.0L turbo gasoline engine]	
- [With VR30 engine]	
-	
-	
-	
-	

Connector No.	M143
Connector Name	EXTERNAL DATA INPUT BOX
Connector Type	TH12FW-NH

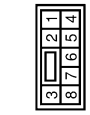


Terminal No.	Color Of Wire	Signal Name [Specification]
12	W	AUX SOUND SIGNAL LH
13	R	AUX_AUDIO-
14	B	AUX SOUND SIGNAL RH
16	B	GND
17	Y	BAT
20	L	AUX IMAGE SIGNAL (+)
21	V	AUX IMAGE SIGNAL (-)
22	SB	ACC

Connector No.	M159
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-NH

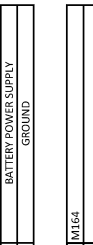
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	BR	-
4	R	-
5	GR	-
6	W	-
9	SHIELD	-
10	W	-
11	R	-
12	L	-
13	G	-
14	W	- [With VR30 engine]
14	Y	- [With 2.0L turbo gasoline engine]
15	B	-
17	B	-
19	R	-
20	BG	- [With 3.5L turbo gasoline engine and with VR30 engine and without BOSE system]
20	BR	- [With VR30 engine and with BOSE system]
20	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
21	R	-
22	G	-
24	B	-
25	W	-
26	R	-
28	B	-
29	G	-
30	L	-
31	R	-
32	W	-
33	L	-
36	V	-
38	LG	-
40	L	- [With 2.0L turbo gasoline engine and without BOSE system]
40	W	- [Except with 2.0L turbo gasoline engine and without BOSE system]

Connector No.	M160
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS



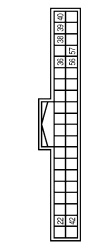
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	LG	-
3	BR	-
4	R	-
6	B	-
7	R	-
8	V	-

Connector No.	M163
Connector Name	AV CONTROL UNIT
Connector Type	NH18FW-CS2



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	SHIELD
2	L	SOUND SIGNAL FRONT LH (+)
3	R	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (+)
5	SB	SOUND SIGNAL REAR LH (-)
7	SB	ACC POWER SUPPLY
8	W/B	DISK EJECT SIGNAL
9	BG	DISK EJECT SIGNAL GROUND
10	SHIELD	SHIELD
11	LG	SOUND SIGNAL FRONT RH (+)
12	P	SOUND SIGNAL FRONT RH (-)
13	L	SOUND SIGNAL REAR RH (+)
14	P	SOUND SIGNAL REAR RH (-)
19	Y	BATTERY POWER SUPPLY
20	B	GROUND

Connector No.	M164
Connector Name	AV CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
22	LG	AV COMMUNICATION SIGNAL (L)
36	L	AUX IMAGE SIGNAL (+)
38	BR	COMPOSITE IMAGE SIGNAL (+)
39	LG	COMPOSITE IMAGE SIGNAL (-)
40	SHIELD	SHIELD

Connector No.	M142
Connector Name	EXTERNAL DATA INPUT BOX
Connector Type	GT17VS-10DS-HU

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	USB D+ SIGNAL
2	W	USB V BUS SIGNAL
3	R	USB D- SIGNAL
4	G	USB GND
7	G	USB GND
8	R	USB D- SIGNAL
9	W	USB V BUS SIGNAL
10	L	USB D+ SIGNAL
11	SHIELD	SHIELD

JRNWF7368GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

42	SB	AV COMMUNICATION SIGNAL (H)
56	V	AUX IMAGE SIGNAL (-)
57	SHIELD	SHIELD

Connector No.	M165
Connector Name	AV CONTROL UNIT
Connector Type	TH12FW-NH

61	62	63		65	66
67	68	69		71	72

Terminal No.	Color Of Wire	Signal Name [Specification]
61	V	SOUND SIGNAL LH (+)
62	R	SOUND SIGNAL RH (+)
63	SHIELD	SHIELD
65	SHIELD	SHIELD
66	W	AUX SOUND SIGNAL LH
67	L	SOUND SIGNAL LH (-)
68	G	SOUND SIGNAL RH (-)
69	SHIELD	SHIELD
71	R	AUX SOUND SIGNAL GROUND
72	B	AUX SOUND SIGNAL RH

Connector No.	M166
Connector Name	AV CONTROL UNIT
Connector Type	TH16FW-NH

73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88

Terminal No.	Color Of Wire	Signal Name [Specification]
73	B	TEL VOICE SIGNAL (+)
74	SHIELD	SHIELD
75	G	VOICE GUIDANCE SIGNAL OUTPUT (+)
76	B	SHIELD
77	G	SOUND SIGNAL FRONT LH (+)
78	L	SOUND SIGNAL FRONT LH (-)
79	LG	SOUND SIGNAL REAR LH (+)
80	P	SOUND SIGNAL REAR LH (-)
81	W	TEL VOICE SIGNAL (-)
82	SHIELD	SHIELD
83	R	VOICE GUIDANCE SIGNAL OUTPUT (-)
84	B	SHIELD
85	R	SOUND SIGNAL FRONT RH (+)
86	L	SOUND SIGNAL FRONT RH (-)
87	B	SOUND SIGNAL REAR RH (+)
88	W	SOUND SIGNAL REAR RH (-)

Connector No.	M167
Connector Name	AV CONTROL UNIT
Connector Type	Tyco_1554987-1

89	90	
91	92	
	93	

Terminal No.	Color Of Wire	Signal Name [Specification]
89	G	USB GROUND
90	W	USB V BUS SIGNAL
91	R	USB D- SIGNAL
92	L	USB D+ SIGNAL
93	SHIELD	SHIELD

Connector No.	M171
Connector Name	JOINT CONNECTOR-M01
Connector Type	24342_4GA2A

6	5	4	3	2	1		
	11	10	9	8	7		
18	17	16	15	14	13		
24	23	22		20	19		

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-
4	B	-
5	B	-
6	B	-
7	B	-
8	B	-
9	G	-
10	G	-
11	G	-
13	B	-
14	B	-
15	B	-
16	SB	- [With VR30 engine]
16	Y	- [With 2.0L turbo gasoline engine]
17	SB	- [With VR30 engine]
17	Y	- [With 2.0L turbo gasoline engine]
18	SB	- [With VR30 engine]
18	Y	- [With 2.0L turbo gasoline engine]
19	G	-
20	G	-
22	LG	- [With VR30 engine]
22	SB	- [With 2.0L turbo gasoline engine]
23	LG	- [With VR30 engine]
23	SB	- [With 2.0L turbo gasoline engine]
24	LG	- [With VR30 engine]
24	SB	- [With 2.0L turbo gasoline engine]

Connector No.	M173
Connector Name	JOINT CONNECTOR-M03
Connector Type	24342_4GA2A

6	5	4	3	2	1		
12	11	10	9	8	7		
18	17	16	15	14	13		
24	23	22	21	20	19		

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	L	-
3	L	-
4	L	-
5	L	-
6	L	-
7	R	-
8	R	-
9	R	-
10	R	-
11	R	-
12	R	-
13	SB	-
14	SB	-
15	SB	-
16	L	- [With 2.0L turbo gasoline engine]
16	SB	- [With VR30 engine]
17	L	- [With 2.0L turbo gasoline engine]
17	SB	- [With VR30 engine]
18	L	- [With 2.0L turbo gasoline engine]
18	SB	- [With VR30 engine]
19	BR	- [With VR30 engine]
19	LG	- [With 2.0L turbo gasoline engine]
20	BR	- [With VR30 engine]
20	LG	- [With 2.0L turbo gasoline engine]
21	BR	- [With VR30 engine]
21	LG	- [With 2.0L turbo gasoline engine]
22	R	- [With 2.0L turbo gasoline engine]
22	SB	- [With VR30 engine]
23	R	- [With 2.0L turbo gasoline engine]
23	SB	- [With VR30 engine]
24	R	- [With 2.0L turbo gasoline engine]
24	SB	- [With VR30 engine]

Connector No.	M174
Connector Name	JOINT CONNECTOR-M04
Connector Type	24342_4GA2A

6	5	4	3				
12	11	10	9				
18	17	16	15	14	13		
24	23	22	21	20	19		

Terminal No.	Color Of Wire	Signal Name [Specification]
3	L	-
4	L	-
5	L	-
6	L	-
9	Y	-

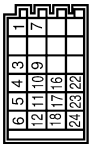
JRNWF7369GB

INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

10	Y
11	Y
12	Y
13	SB
14	SB
15	SB
16	SB
17	SB
18	SB
19	LG
20	LG
21	LG
22	LG
23	LG
24	LG

Connector No.	M177
Connector Name	JOINT CONNECTOR-M07
Connector Type	24342_4GA2A

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
3	L	-
4	L	-
5	L	-
6	L	-
7	P	-
9	P	-
10	P	-
11	P	-
12	P	-
16	L	-
17	L	-
18	L	-
22	P	-
23	P	-
24	P	-

32	B
33	W/B
34	P
36	BG
37	G
38	R
39	Y
41	B
42	B
43	LG
45	L
46	R

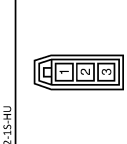
Connector No.	M301
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FGY

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-

Connector No.	M302
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	SUMITOMOTH-12

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-
21	-	-
22	-	-
23	-	-
24	-	-

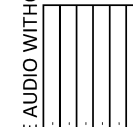
Connector No.	M375
Connector Name	WIRE TO WIRE
Connector Type	GT13SC-2-1S-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-
3	-	-

Connector No.	M175
Connector Name	JOINT CONNECTOR-M05
Connector Type	NH20FL-DC

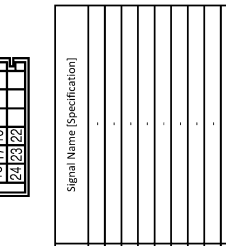
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	L	-
3	L	-
4	L	-
5	L	-
6	L	-
7	L	-
8	L	-
10	P	-
11	P	-
12	P	-
13	P	-
14	P	-
15	P	-
16	P	-
17	P	-
19	W	-
20	W	-

Connector No.	M190
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TH24FW-NH-Y-CPA

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
28	Y/R	-
29	Y	-
30	Y/B	-
31	SB	-

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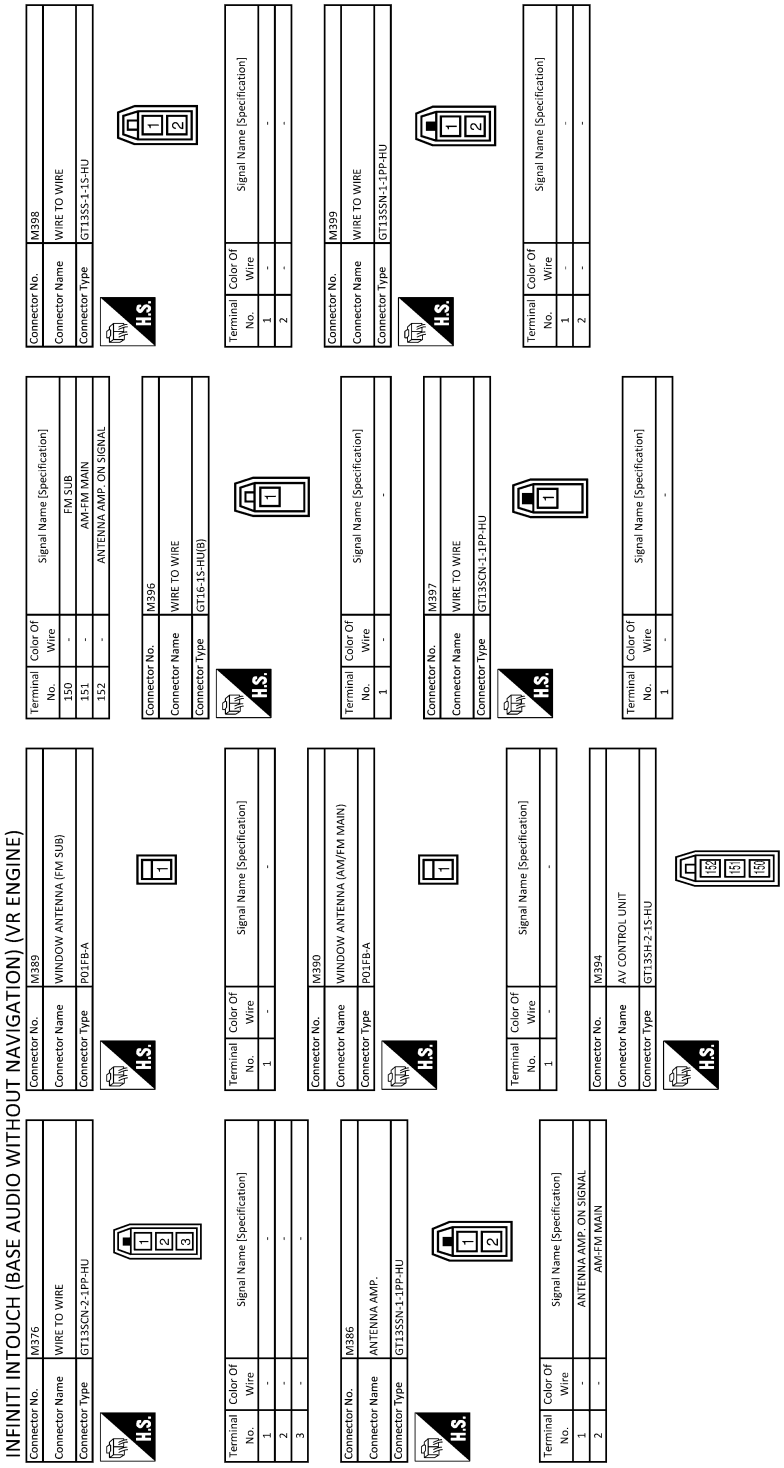
INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)



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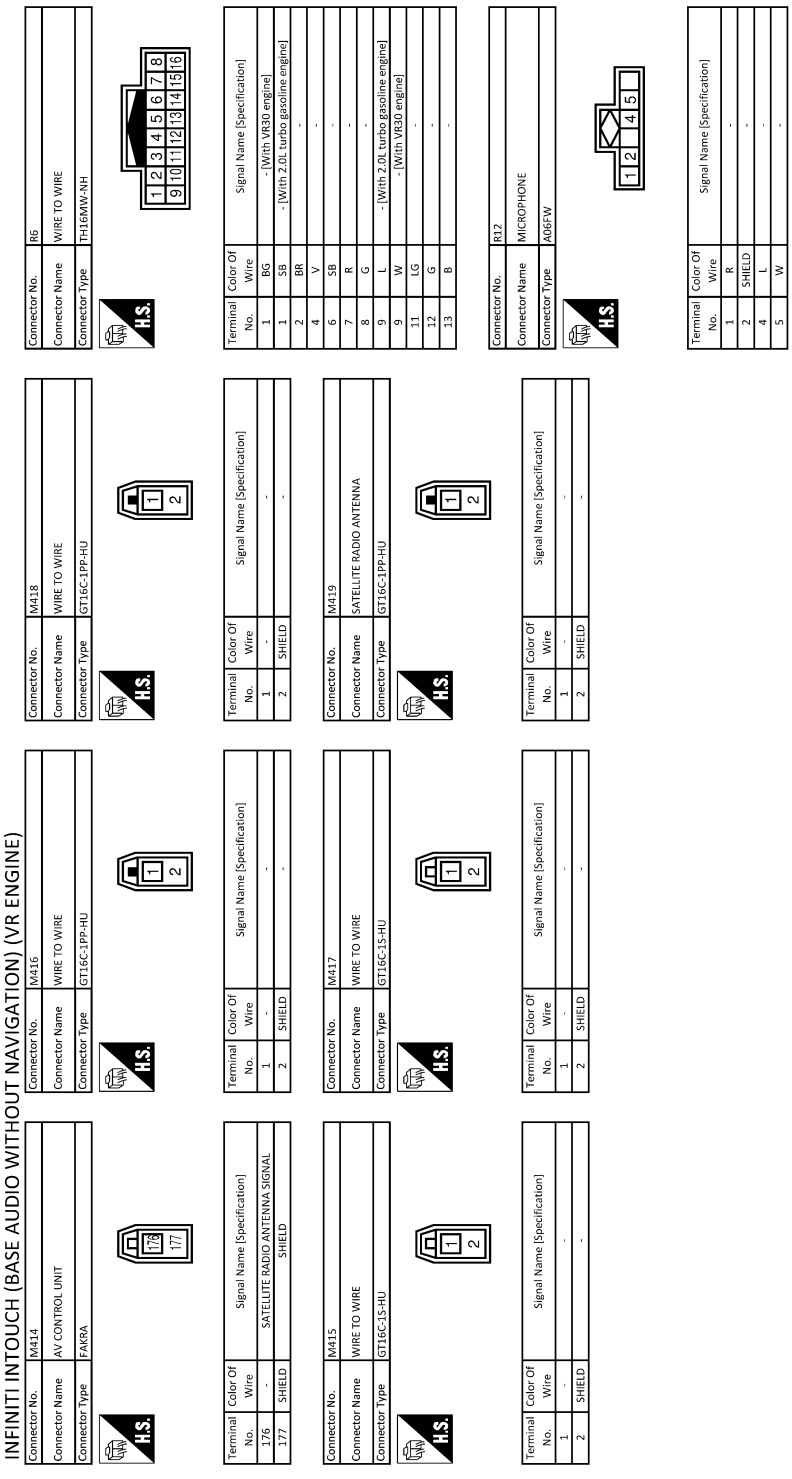
INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)



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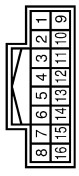
INFINITI INTOUCH (BASE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

Connector No.	R14
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH



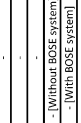
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	- [With VR30 engine]
1	SB	- [With 2.0L turbo gasoline engine]
2	BR	-
4	V	-
6	SB	-
7	R	-
8	G	-
9	L	- [With 2.0L turbo gasoline engine]
9	W	- [With VR30 engine]
11	LG	-
12	G	-
13	B	-

11	R	-
12	L	-
13	G	-
14	W	- [With VR30 engine]
14	Y	- [With 2.0L turbo gasoline engine]
15	B	-
17	SB	-
19	BG	-
20	BG	- [Without BOSE system]
20	BR	- [With BOSE system]
21	R	-
22	G	-
24	B	-
25	P	-
26	BR	-
28	B	-
29	R	-
30	L	-
31	V	-
32	W	-
33	L	-
36	BR	-
38	SB	-
40	W	-

Connector No.	R15
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	LG	-
3	BR	-
4	V	-
5	BG	-
6	GR	-
9	SHIELD	-
10	GR	-

Connector No.	R16
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	Y	-
4	W	-
6	B	-
7	GR	-
8	V	-

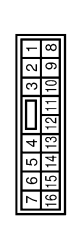
Connector No.	R19
Connector Name	FRONT MICROPHONE (LH) (ACTIVE NOISE CANCELLATION)
Connector Type	TK02FBR

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	LG	-

Connector No.	R20
Connector Name	FRONT MICROPHONE (RH) (ACTIVE NOISE CANCELLATION)
Connector Type	TK02FBR

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	BR	-

Connector No.	T48
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BG	-
4	L	-
5	P	-
6	G	-
8	B	-
9	R	-
10	P	-
11	L	-
13	G	- [With around view monitor]
13	L	- [With rear view monitor]
14	B	- [With rear view monitor]
14	R	- [With around view monitor]
15	B	- [With around view monitor]
15	W	- [With rear view monitor]
16	R	- [With rear view monitor]
16	W	- [With around view monitor]

Connector No.	T54
Connector Name	REAR VIEW CAMERA
Connector Type	RH06FB-1V

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	GND
2	R	CAMAERA_ON
4	B	COMP+

JRNWF7373GB

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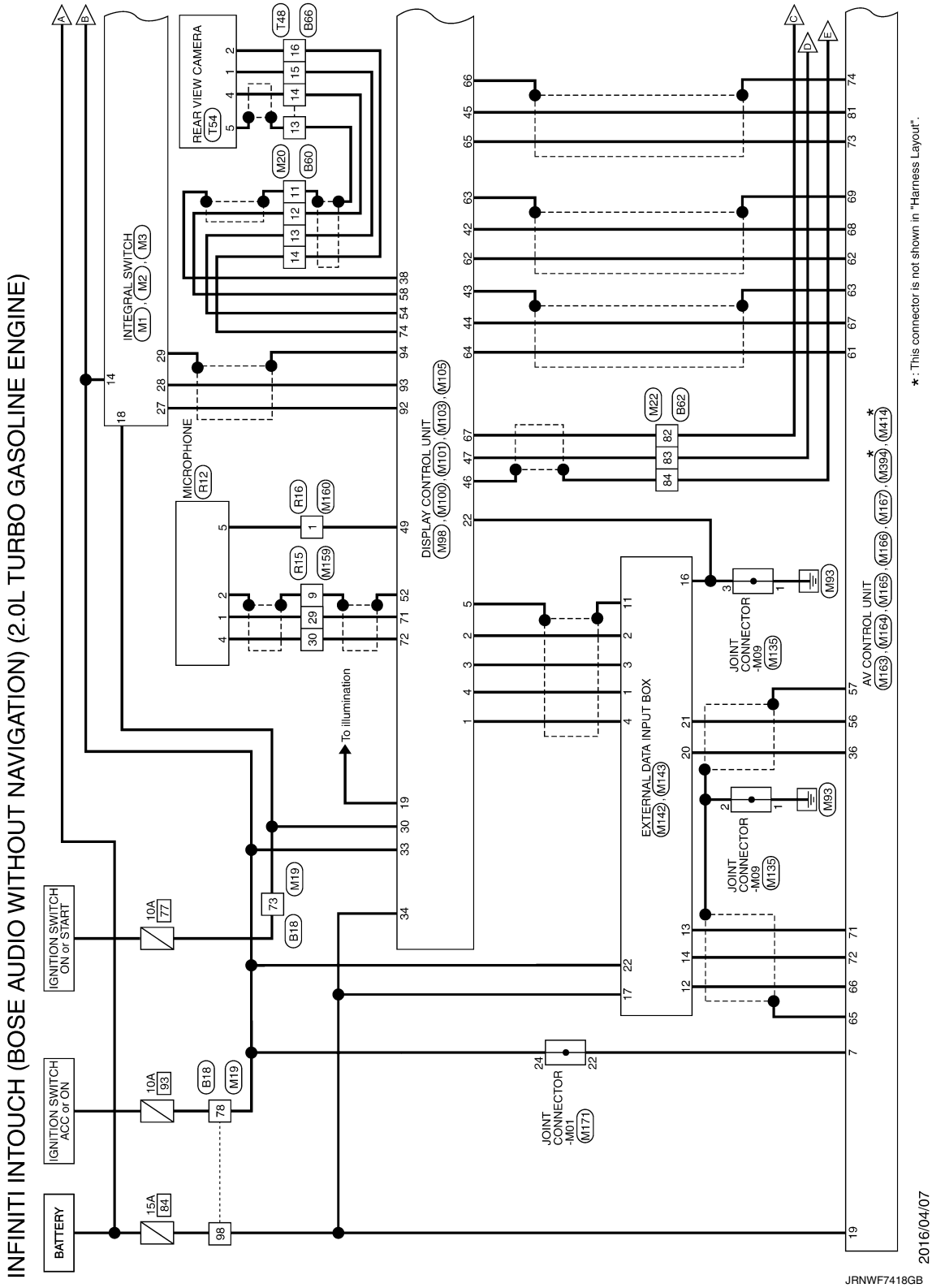
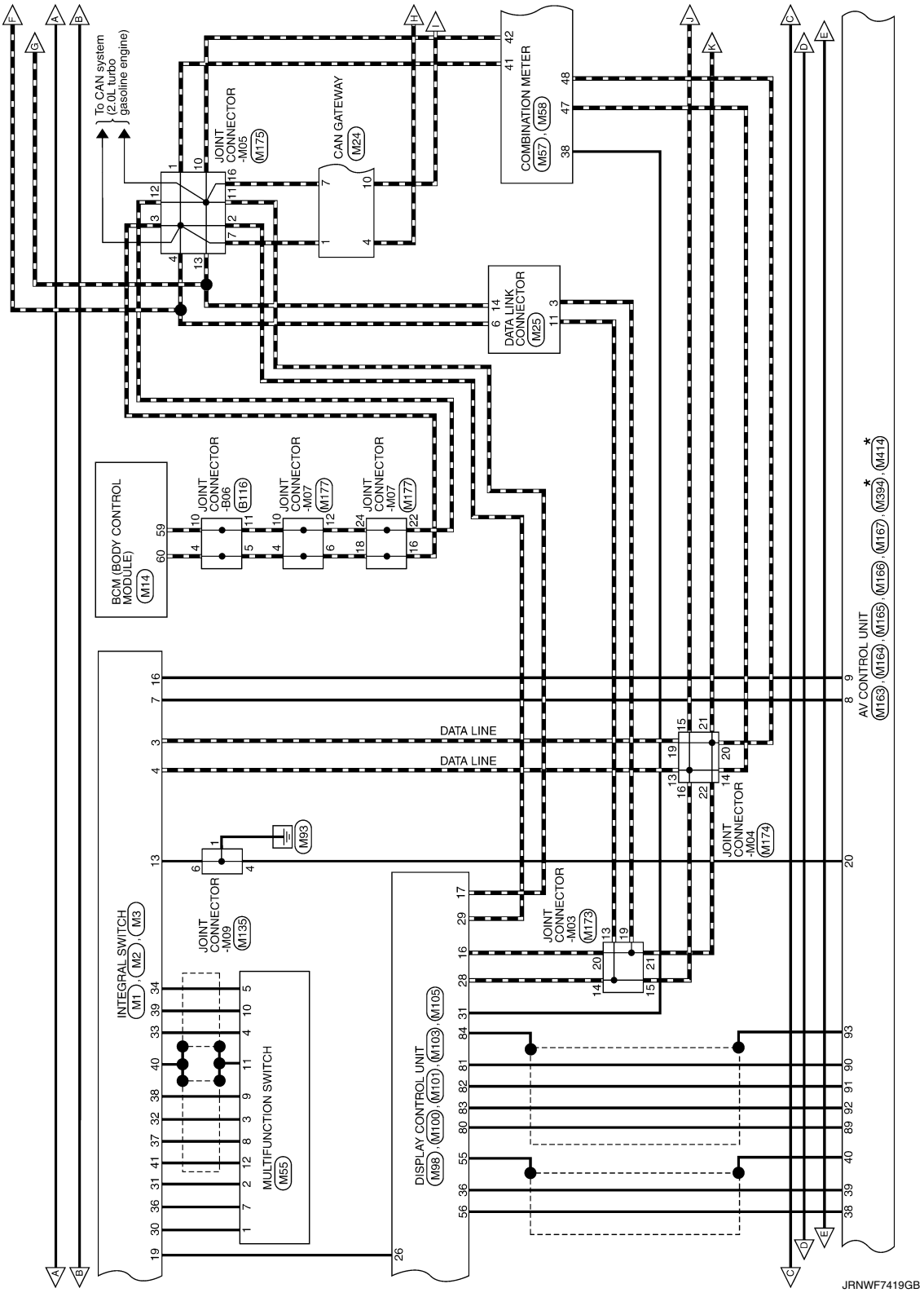
INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION)

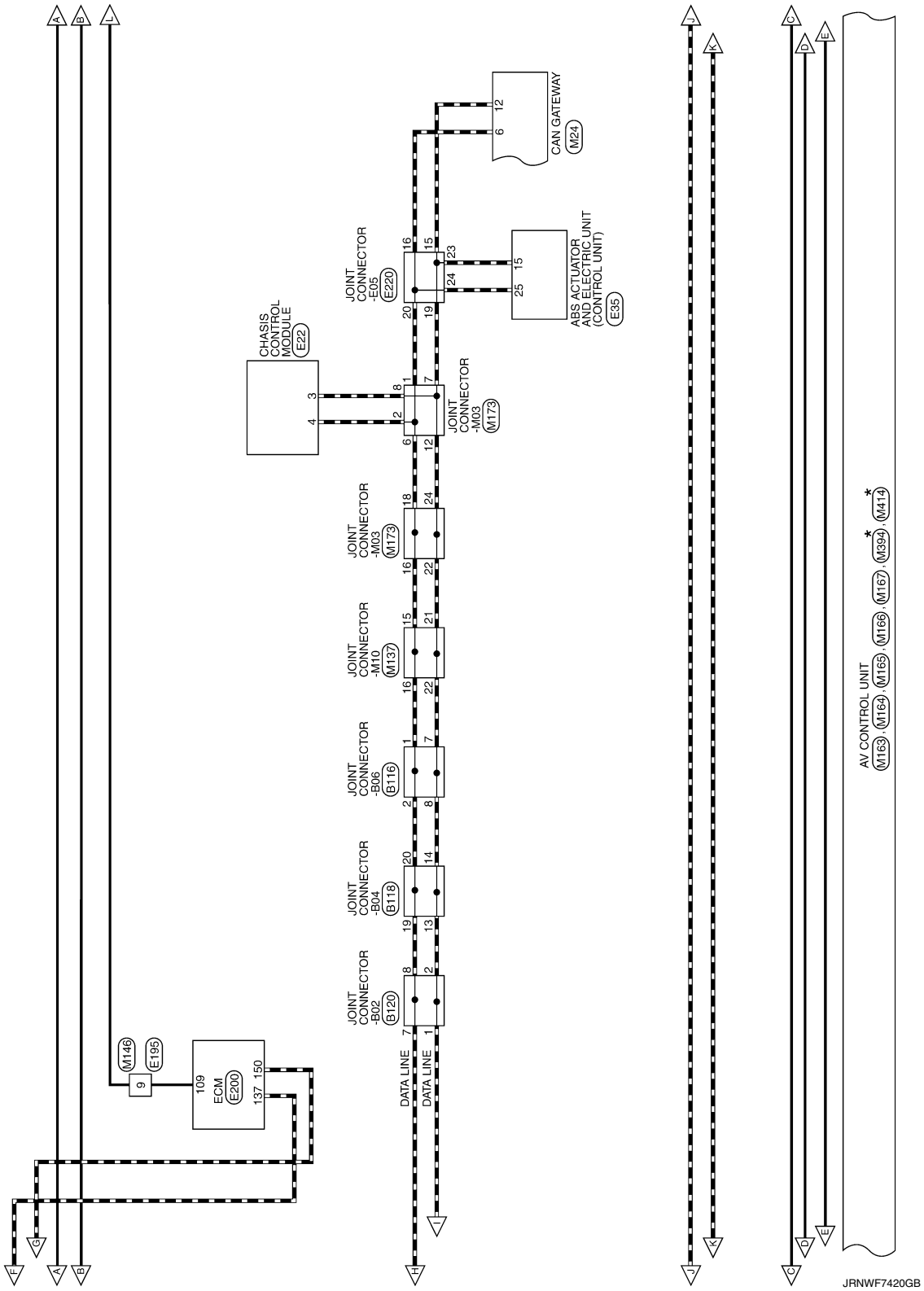
Wiring Diagram

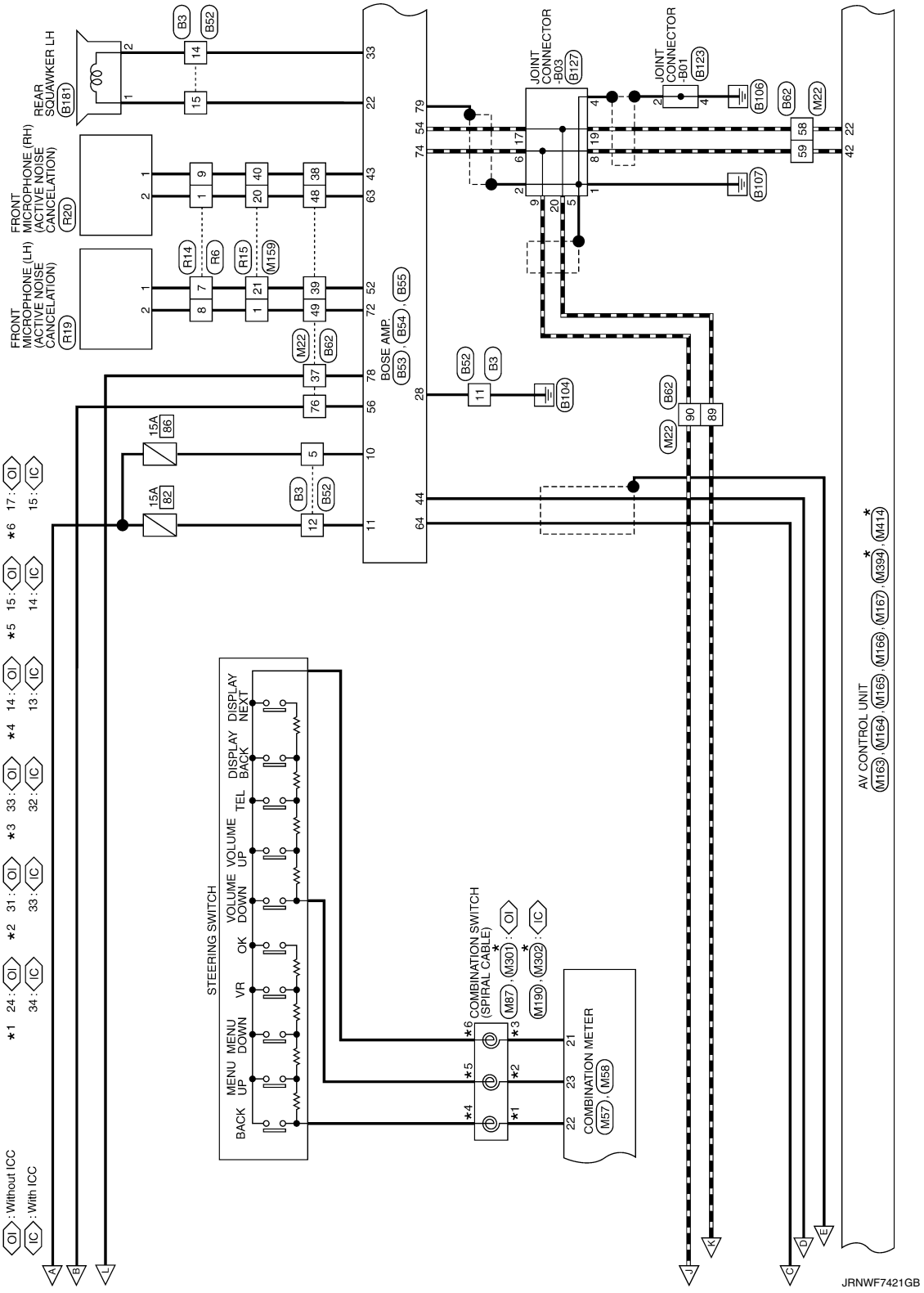
INFOID:0000000013717298

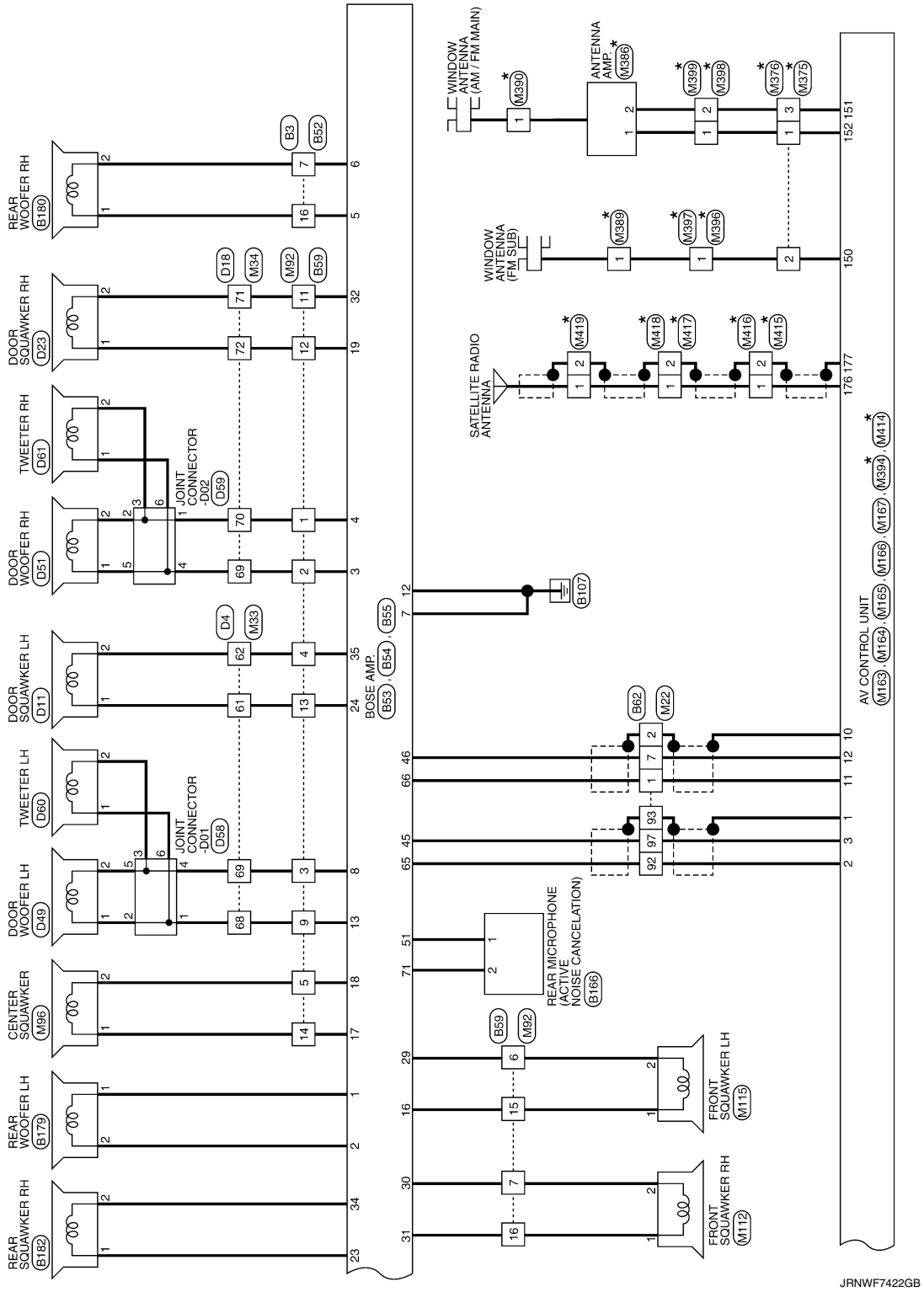
2.0L TURBO GASOLINE ENGINE




To CAN system (2.0L turbo gasoline engine)
JOINT CONNECTOR -M05 (M175)
CAN GATEWAY (M24)
COMBINATION METER (M57), (M58)
DATA LINK CONNECTOR (M25)
BCM (BODY CONTROL MODULE) (M14)
JOINT CONNECTOR -B06 (B116)
JOINT CONNECTOR -M07 (M177)
JOINT CONNECTOR -M07 (M177)
DATA LINE
DATA LINE
JOINT CONNECTOR -M04 (M174)
AV CONTROL UNIT (M163), (M164), (M165), (M166), (M167), *(M394), *(M414)
(M93)
JOINT CONNECTOR -M09 (M135)
INTEGRAL SWITCH (M1), (M2), (M3)
MULTIFUNCTION SWITCH (M55)
JOINT CONNECTOR -M03 (M173)
DISPLAY CONTROL UNIT (M98), (M100), (M101), (M103), (M105)
JRNWF7419GB


CAN GATEWAY
M24
ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
E35
JOINT CONNECTOR -E05
E220
CHASIS CONTROL MODULE
E22
JOINT CONNECTOR -M03
M173
JOINT CONNECTOR -M03
M173
JOINT CONNECTOR -M10
M137
JOINT CONNECTOR -B06
B116
JOINT CONNECTOR -B04
B118
JOINT CONNECTOR -B02
B120
DATA LINE
DATA LINE
M146
E195
ECM
E200
AV CONTROL UNIT
M163, M164, M165, M166, M167, M394*, M414*
JRNWF7420GB


REAR SQUAWKER LH
B181
FRONT MICROPHONE (RH) (ACTIVE NOISE CANCELATION)
R20
FRONT MICROPHONE (LH) (ACTIVE NOISE CANCELATION)
R19
BOSE AMP
B53, B54, B55
JOINT CONNECTOR -B03
B127
JOINT CONNECTOR -B01
B123
15A 86
15A 82
STEERING SWITCH
BACK
MENU UP
MENU DOWN
VR
OK
VOLUME DOWN
VOLUME UP
TEL
DISPLAY BACK
DISPLAY NEXT
COMBINATION SWITCH (SPIRAL CABLE)
M87, M301, M302
M190
COMBINATION METER
M57, M58
AV CONTROL UNIT
M163, M164, M165, M166, M167, M394, M414
OI : Without ICC
IC : With ICC
JRNWF7421GB


REAR SQUAWKER RH B182
REAR WOOFER LH B179
CENTER SQUAWKER M96
DOOR WOOFER LH D49
TWEETER LH D60
DOOR SQUAWKER LH D11
DOOR WOOFER RH D51
TWEETER RH D61
DOOR SQUAWKER RH D23
REAR WOOFER RH B180
JOINT CONNECTOR -D01 D58
JOINT CONNECTOR -D02 D59
BOSE AMP B53, B54, B55
REAR MICROPHONE (ACTIVE NOISE CANCELATION) B166
FRONT SQUAWKER LH M115
FRONT SQUAWKER RH M112
WINDOW ANTENNA (AM / FM MAIN) M390
ANTENNA AMP. M386
WINDOW ANTENNA (FM SUB) M389
SATELLITE RADIO ANTENNA M419 M418 M417 M416 M415
AV CONTROL UNIT M163, M164, M165, M166, M167, M394, M414
B107
B62 M22
JRNWF7422GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	B3
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS

H.S.

7 6 5 4 3 2 1
16 15 14 13 12 11 10 9 8

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
4	B	- [With 2.0L turbo gasoline engine]
4	BR	- [With VR30 engine]
5	BR	- [With 2.0L turbo gasoline engine and with BOSE system]
5	Y	- [Except with 2.0L turbo gasoline engine and with BOSE system]
6	SHIELD	-
7	R	-
8	SHIELD	-
9	P	-
11	B	-
12	GR	-
13	G	-
14	B	-
15	W	-
16	BR	-

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	L	-
5	Y	-
7	V	-
10	BG	-
11	BG	-
12	LG	-
13	GR	-
14	R	-
15	L	-
16	V	-
18	W	-
19	BR	-
20	W	-
22	R	-
23	V	-
24	R	- [With 2.0L turbo gasoline engine]
24	Y	- [With VR30 engine]
25	V	- [With 2.0L turbo gasoline engine]
25	W	- [With VR30 engine]
26	G	-
27	R	-
28	R	-
31	B	- [With VR30 engine]
31	BR	- [With 2.0L turbo gasoline engine]
32	B	-
33	B	-
34	LG	-
35	P	-
36	W	-
37	SB	-
38	LG	-
40	P	-
41	SB	-
42	BR	-
43	BG	-
44	BG	-
46	R	-
50	W	-
51	SB	-
52	V	-
53	LG	-
54	R	-
55	R	-
58	V	-
59	GR	-
60	G	-
61	G	-
62	BG	-
63	BR	-
64	Y	-
66	R	-
70	R	-
71	W	-
72	B	-
73	W	-
74	L	-
75	R	-
76	BR	-
77	B	-
78	SB	-
79	W	-
81	B	-
82	R	-
83	BG	-
84	L	-
85	R	-
86	B	-
88	G	-
89	V	-
91	GR	-
93	GR	-
94	GR	-
96	Y	-
98	BR	- [With VR30 engine and with BOSE system]
98	Y	- [Except with VR30 engine and with BOSE system]

Connector No.	B52
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS

H.S.

1 2 3 4 5 6 7
8 9 10 11 12 13 14 15 16

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
4	B	- [With 2.0L turbo gasoline engine]
4	BR	- [With VR30 engine]
5	BR	- [With 2.0L turbo gasoline engine and with BOSE system]
5	Y	- [Except with 2.0L turbo gasoline engine and with BOSE system]
6	SHIELD	-
7	R	-
8	SHIELD	-
9	P	-
11	B	-
12	GR	-
13	G	-
14	B	-
15	W	-
16	BR	-

Connector No.	B53
Connector Name	BOSE AMP.
Connector Type	SGA12FBR-SJA2

H.S.

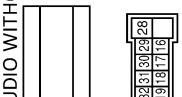
13 12 11 10
8 7 6 5 4 3 2 1

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	SOUND SIGNAL REAR WOOFER LH (+)
2	L	SOUND SIGNAL REAR WOOFER LH (-)
3	L	SOUND SIGNAL DOOR WOOFER RH (+)
4	Y	SOUND SIGNAL DOOR WOOFER RH (-)
5	BR	SOUND SIGNAL REAR WOOFER RH (+)
6	R	SOUND SIGNAL REAR WOOFER RH (-)
7	B	GROUND
8	V	SOUND SIGNAL DOOR WOOFER LH (-)
10	BR	BATTERY POWER SUPPLY
11	GR	BATTERY POWER SUPPLY
12	B	GROUND
13	P	SOUND SIGNAL DOOR WOOFER LH (+)
11	B	-
12	GR	-
13	G	-
14	B	-
15	W	-
16	BR	-

JRNWF7423GB

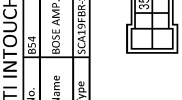
INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	B54
Connector Name	BOSE AMP.
Connector Type	SCA19FBR-SGA4



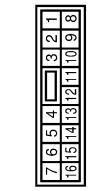
Terminal No.	Color Of Wire	Signal Name [Specification]
16	P	SOUND SIGNAL FRONT SQUAWKER LH (+)
17	BR	SOUND SIGNAL CENTER SQUAWKER (+)
18	GR	SOUND SIGNAL CENTER SQUAWKER (-)
19	W	SOUND SIGNAL DOOR SQUAWKER RH (+)
22	W	SOUND SIGNAL REAR SQUAWKER LH (+)
23	L	SOUND SIGNAL REAR SQUAWKER RH (+)
24	G	SOUND SIGNAL DOOR SQUAWKER LH (+)
28	B	ENGINE TYPE SIGNAL 2
29	V	SOUND SIGNAL FRONT SQUAWKER LH (-)
30	L	SOUND SIGNAL FRONT SQUAWKER RH (-)
31	P	SOUND SIGNAL FRONT SQUAWKER RH (+)
32	B	SOUND SIGNAL DOOR SQUAWKER RH (-)
33	B	SOUND SIGNAL REAR SQUAWKER LH (-)
34	P	SOUND SIGNAL REAR SQUAWKER RH (-)
35	R	SOUND SIGNALDOOR SQUAWKER LH (-)

Connector No.	B55
Connector Name	BOSE AMP.
Connector Type	TH40FW-NH



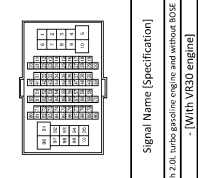
Terminal No.	Color Of Wire	Signal Name [Specification]
43	W	FRONT MICROPHONE (RH) GROUND
44	R	VOICE GUIDANCE SIGNAL (-)
45	R	SOUND SIGNAL LH (-)
46	B	SOUND SIGNAL RH (-)
51	B	REAR MICROPHONE GROUND
52	R	FRONT MICROPHONE (LH) GROUND
54	LG	AV COMMUNICATION SIGNAL (L)
56	V	ACC POWER SUPPLY
63	BG	FRONT MICROPHONE (RH) SIGNAL
64	G	VOICE GUIDANCE SIGNAL (+)
65	L	SOUND SIGNAL LH (+)
66	W	SOUND SIGNAL RH (+)
71	R	REAR MICROPHONE SIGNAL
72	G	FRONT MICROPHONE (LH) SIGNAL
74	P	AV COMMUNICATION SIGNAL (H)
78	W	ENGINE SPEED SIGNAL
79	SHIELD	SHIELD

Connector No.	B59
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



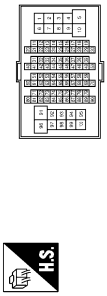
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	L	-
3	V	-
4	R	-
5	GR	-
6	V	-
7	L	-
9	P	-
10	GR	-
11	B	-
12	W	-
13	G	-
14	BR	-
15	P	-
16	P	-

Connector No.	B60
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
7	R	-
8	L	-
10	Y	-
11	SHIELD	-
12	B	-
13	W	-
14	R	-

Connector No.	B62
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [With 2.0L turbo gasoline engine and without BOSE system]
1	LG	- [With VR30 engine]
1	W	- [With 2.0L turbo gasoline engine and with BOSE system]
2	L	- [With VR30 engine]
2	SHIELD	- [With 2.0L turbo gasoline engine]
3	BR	- [With 2.0L turbo gasoline engine]
3	R	- [With VR30 engine and with BOSE system]
3	W	- [With VR30 engine and without BOSE system]
4	SHIELD	- [With VR30 engine]
4	Y	- [With 2.0L turbo gasoline engine]
5	G	- [With VR30 engine]
5	V	- [With 2.0L turbo gasoline engine]
6	BG	- [With VR30 engine]
6	BR	- [With 2.0L turbo gasoline engine]
7	B	- [With 2.0L turbo gasoline engine and with BOSE system]
7	BR	- [With VR30 engine and without BOSE system]
7	W	- [With VR30 engine and with BOSE system]
7	Y	- [With 2.0L turbo gasoline engine and without BOSE system]
8	B	- [With VR30 engine and with BOSE system]
8	G	- [With 2.0L turbo gasoline engine]
8	Y	- [With VR30 engine and without BOSE system]
9	LG	- [With 2.0L turbo gasoline engine]
9	SHIELD	- [With VR30 engine]
10	V	-
11	GR	-
12	Y	-
13	R	-
14	BG	-
15	BG	- [With 2.0L turbo gasoline engine]
15	GR	- [With VR30 engine]
16	V	-
17	P	-
18	L	-
19	G	-
20	GR	-
21	R	-
23	W	-
24	BG	- [With 2.0L turbo gasoline engine]
24	V	- [With VR30 engine]
25	L	- [With 2.0L turbo gasoline engine]
25	SB	- [With VR30 engine]
26	G	- [With VR30 engine]
26	W	- [With 2.0L turbo gasoline engine]
27	R	-
28	R	-
29	LG	-
30	LG	- [With 2.0L turbo gasoline engine]
30	P	- [With VR30 engine]
31	SHIELD	-
32	L	-
33	B	- [With VR30 engine]
33	LG	- [With 2.0L turbo gasoline engine]
34	SHIELD	-
35	LG	- [With VR30 engine]
35	W	- [With 2.0L turbo gasoline engine]
36	R	-
37	P	- [With 2.0L turbo gasoline engine and without BOSE system]
37	R	- [With VR30 engine]
37	W	- [With 2.0L turbo gasoline engine and with BOSE system]
38	L	- [With 2.0L turbo gasoline engine and without BOSE system]
38	W	- [Except with 2.0L turbo gasoline engine and without BOSE system]
39	P	- [With VR30 engine and without BOSE system]
39	R	- [With 2.0L turbo gasoline engine]

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INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

39	W	- [With VR30 engine and with BOSE system]
40	G	-
41	L	-
42	R	-
43	SHIELD	-
44	P	-
45	B	- [With 2.0L turbo gasoline engine]
45	G	- [With VR30 engine]
46	SHIELD	-
47	G	-
48	BG	- [Except with 2.0L turbo gasoline engine and without BOSE system]
48	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
49	G	-
51	GR	- [With 2.0L turbo gasoline engine]
51	L	- [With VR30 engine]
52	W	- [With 2.0L turbo gasoline engine]
52	Y	- [With VR30 engine]
53	R	-
54	GR	-
55	L	-
56	V	-
57	R	-
58	LG	-
59	P	-
60	BR	-
61	L	- [With 2.0L turbo gasoline engine]
61	R	- [With VR30 engine]
62	P	- [With VR30 engine]
62	V	- [With 2.0L turbo gasoline engine]
63	L	-
64	W	-
65	R	-
66	L	- [With 2.0L turbo gasoline engine]
66	LG	- [With VR30 engine]
67	G	-
68	L	-
69	P	-
71	GR	- [With 2.0L turbo gasoline engine]
71	R	- [With VR30 engine]
72	G	- [With VR30 engine]
72	Y	- [With 2.0L turbo gasoline engine]
73	R	- [With 2.0L turbo gasoline engine]
73	SHIELD	- [With VR30 engine]
74	BG	- [With 2.0L turbo gasoline engine]
74	L	- [With VR30 engine]
75	GR	- [With 2.0L turbo gasoline engine]
75	V	- [With VR30 engine]
76	GR	- [With VR30 engine]
76	V	- [With 2.0L turbo gasoline engine]
77	P	-
78	L	-
79	G	-
80	GR	- [With 2.0L turbo gasoline engine]
80	W	- [With VR30 engine]
81	B	- [With VR30 engine]
81	R	- [With 2.0L turbo gasoline engine]
82	G	- [With 2.0L turbo gasoline engine]
82	SHIELD	- [With VR30 engine]
83	R	- [With 2.0L turbo gasoline engine]
83	W	- [With VR30 engine]
84	BR	- [With VR30 engine]
84	SHIELD	- [With 2.0L turbo gasoline engine]
85	BG	- [With VR30 engine]
85	G	- [With 2.0L turbo gasoline engine]
86	R	-
87	LG	- [With VR30 engine]
87	SHIELD	- [With 2.0L turbo gasoline engine]
88	R	-
89	LG	-
90	P	-
92	L	- [With 2.0L turbo gasoline engine]
92	W	- [With VR30 engine]
93	SHIELD	-
94	R	-
95	L	- [With 2.0L turbo gasoline engine]
95	Y	- [With VR30 engine]
96	W	-
97	L	- [With VR30 engine]
97	R	- [With 2.0L turbo gasoline engine and with BOSE system]
97	W	- [With 2.0L turbo gasoline engine and without BOSE system]
99	BR	- [With VR30 engine and with BOSE system]
99	P	- [With 2.0L turbo gasoline engine]
99	Y	- [With VR30 engine and without BOSE system]
100	BR	- [With VR30 engine]
100	W	- [With 2.0L turbo gasoline engine]

Connector No. B66
Connector Name WIRE TO WIRE
Connector Type NS16MW-CS

H.S.

1	2	3		4	5	6	7	
8	9	10	11	12	13	14	15	16

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	BG	-
4	SHIELD	-
5	W	-
6	GR	-
8	B	-
9	R	-
10	P	-
11	B	-
13	SHIELD	- [With rear view monitor]
13	W	- [With around view monitor]
14	B	- [With rear view monitor]
14	G	- [With around view monitor]
15	R	- [With around view monitor]
15	W	- [With rear view monitor]
16	B	- [With around view monitor]
16	R	- [With rear view monitor]

Connector No. B116
Connector Name JOINT CONNECTOR-B06
Connector Type 24342_4GA2A

H.S.

6	5	4	3	2	1			
12	11	10	9	8	7			
18	17	16	15	14	13			
24	23	22	21	20	19			

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	L	-
3	L	-
4	L	-
5	L	-
6	L	-
7	R	-
8	R	- [With Gateway]
8	V	- [Without Gateway]
9	R	- [With Gateway]
9	V	- [Without Gateway]
10	V	-
11	V	-
12	P	- [With 2.0L turbo gasoline engine]
12	R	- [With VR30 engine]
13	SHIELD	-
14	SHIELD	-
15	SHIELD	-
16	SHIELD	-
17	SHIELD	-
18	SHIELD	-
19	L	-
20	L	-
21	L	-
22	R	-
23	R	-
24	R	-

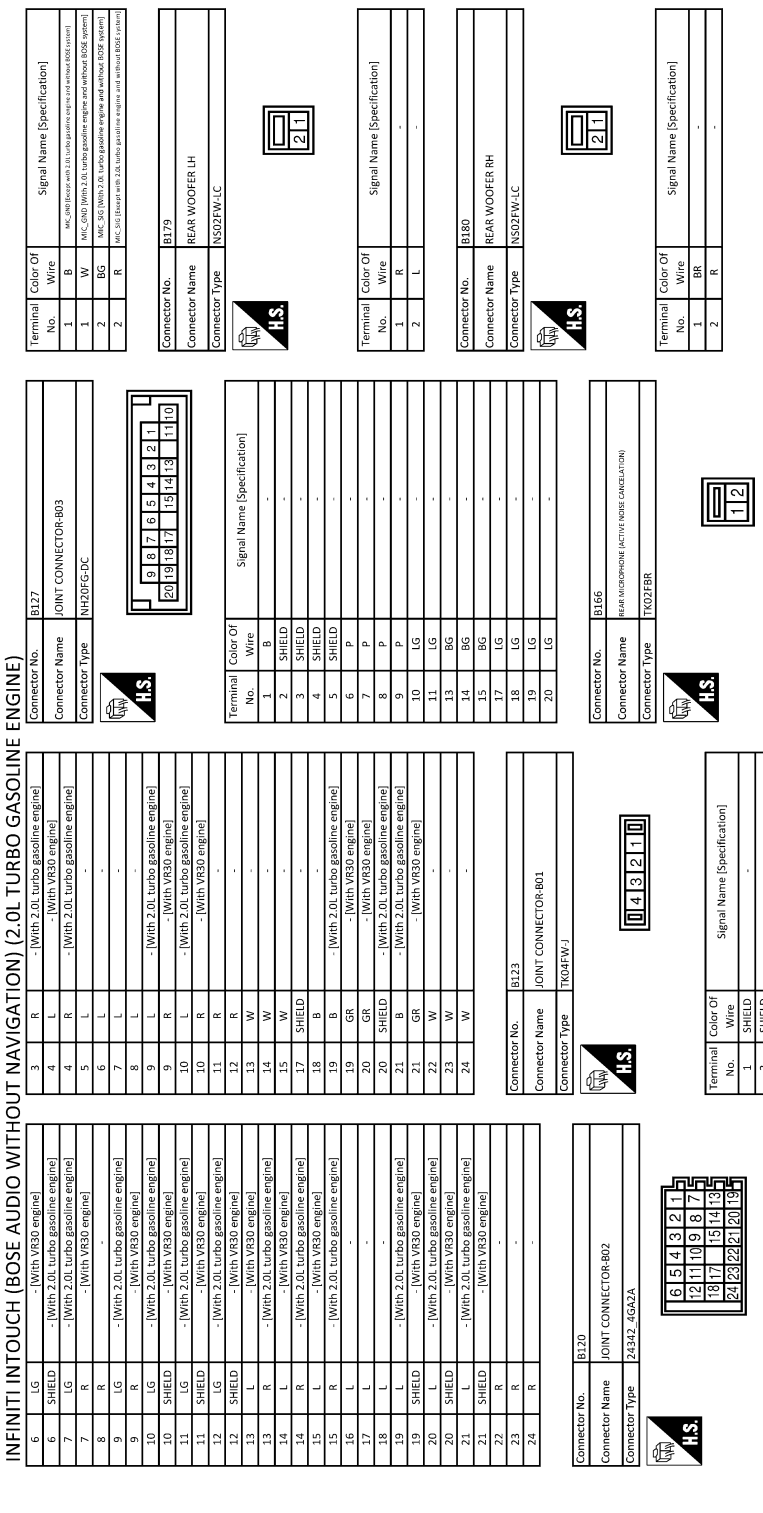
Connector No. B118
Connector Name JOINT CONNECTOR-B04
Connector Type 24342_4GA2A

H.S.

6	5	4	3	2	1			
12	11	10	9	8	7			
18	17	16	15	14	13			
24	23	22	21	20	19			

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	- [With VR30 engine]
1	SHIELD	- [With 2.0L turbo gasoline engine]
2	LG	- [With VR30 engine]
2	SHIELD	- [With 2.0L turbo gasoline engine]
3	LG	- [With VR30 engine]
3	SHIELD	- [With 2.0L turbo gasoline engine]
4	LG	- [With VR30 engine]
4	SHIELD	- [With 2.0L turbo gasoline engine]
5	LG	- [With VR30 engine]
5	SHIELD	- [With 2.0L turbo gasoline engine]

JRNWF7425GB



JRNWF7426GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	B181
Connector Name	REAR SQUAWKER LH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	B	-

Connector No.	B182
Connector Name	REAR SQUAWKER RH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	P	-

Connector No.	D4
Connector Name	WIRE TO WIRE
Connector Type	NH60FW-TS12

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
6	V	-
8	G	-
9	GR	-
10	Y	-
11	SHIELD	-
12	BG	-
13	L	-
14	B	-
15	Y	-
16	GR	-
17	R	-
18	GR	-
19	R	-
20	W	-
21	LG	-
22	W	-
23	L	-
24	G	-
25	BR	-
27	BR	-
28	V	-
29	B	-
30	W	-
31	P	-
32	Y	-
33	BR	-
34	L	-
35	R	-
36	GR	-
37	G	-
38	R	-
39	B	-
40	LG	-
41	L	-
43	BG	-
44	Y	-
46	W	-
47	R	-
49	BR	-
50	B	-
52	V	-
53	GR	-
54	R	-
55	SB	-
56	BR	-
57	R	-
58	L	-
59	V	-
60	G	-
61	BG	-
62	Y	-
63	SB	-
64	B	-
65	Y	-
66	BR	-
68	Y	-
69	L	-
70	W	-
71	LG	-
72	P	-

Connector No.	D11
Connector Name	DOOR SQUAWKER LH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	-
2	Y	-

Connector No.	D18
Connector Name	WIRE TO WIRE
Connector Type	NH60FW-TS12

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	P	-
5	BR	-
6	Y	-
8	W	-
9	L	-
10	L	-
11	GR	-
13	Y	-
16	R	-
17	B	-
18	W	-
19	B	-
20	G	-
21	SHIELD	-
22	GR	-
23	BG	-
24	B	-
25	BR	-
26	V	-
27	G	-
28	V	-
29	Y	-
30	R	-
38	R	-
39	B	-
49	LG	-
51	R	-
52	P	-
55	L	-
56	Y	-
57	R	-
58	SB	-
59	R	-
60	G	-
63	B	-

JRNWF7427GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

64	Y	-
65	BR	-
66	GR	-
69	W	-
70	L	-
71	BG	-
72	Y	-

Connector No.	D23
Connector Name	DOOR SQUAWKER RH
Connector Type	TK02FBR

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BG	-

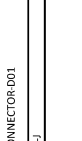
Connector No.	D49
Connector Name	DOOR WOOFER LH
Connector Type	NS02FW-LC

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	L	-

Connector No.	D51
Connector Name	DOOR WOOFER RH
Connector Type	NS02FW-LC

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	L	-

Connector No.	D58
Connector Name	JOINT CONNECTOR-D01
Connector Type	NS06FW-J



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	Y	- [With BOSE system]
2	BR	- [Without BOSE system]
2	Y	- [With BOSE system]
3	BR	- [Without BOSE system]
3	Y	- [With BOSE system]
4	GR	- [Without BOSE system]
4	L	- [With BOSE system]
5	GR	- [Without BOSE system]
5	L	- [With BOSE system]
6	GR	- [Without BOSE system]
6	L	- [With BOSE system]

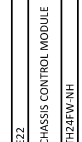
Connector No.	D59
Connector Name	JOINT CONNECTOR-D02
Connector Type	NS06FW-J

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	L	- [With BOSE system]
2	BR	- [Without BOSE system]
2	L	- [With BOSE system]
3	BR	- [Without BOSE system]
3	L	- [With BOSE system]
4	GR	- [Without BOSE system]
4	W	- [With BOSE system]
5	GR	- [Without BOSE system]
5	W	- [With BOSE system]
6	GR	- [Without BOSE system]
6	W	- [With BOSE system]

Connector No.	D60
Connector Name	TWEETER LH
Connector Type	TK02FBR

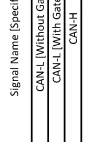
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	Y	- [With BOSE system]
2	GR	- [Without BOSE system]
2	L	- [With BOSE system]

Connector No.	D61
Connector Name	TWEETER RH
Connector Type	TK02FBR



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	W	- [With BOSE system]
2	GR	- [Without BOSE system]
2	L	- [With BOSE system]

Connector No.	E22
Connector Name	CHASSIS CONTROL MODULE
Connector Type	TH24FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
3	P	CAN-L [Without Gateway]
3	R	CAN-L [With Gateway]
4	L	CAN-H
5	V	DRIVE MODE SELECT SWITCH (UP) [With VR30 engine]
5	Y	DRIVE MODE SELECT SW (UP) [With 2.0L turbo gasoline engine]
6	G	DRIVE MODE SELECT SW (DOWN) [With 2.0L turbo gasoline engine]
6	Y	DRIVE MODE SELECT SW (DOWN) [With VR30 engine]
7	W	CHASSIS COMMUNICATION-L
8	W	CHASSIS COMMUNICATION-L
10	BG	IGNITION POWER SUPPLY [With 2.0L turbo gasoline engine]
10	G	IGNITION POWER SUPPLY [With VR30 engine]
11	L	CHASSIS COMMUNICATION-H
12	B	GROUND [With VR30 engine]
12	B/W	GROUND [With 2.0L turbo gasoline engine]
19	BR	CHASSIS COMMUNICATION-H [With VR30 engine]
19	L	CHASSIS COMMUNICATION-H [With 2.0L turbo gasoline engine]

JRNWF7428GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

23	G	ESS RELAY [With VR30 engine]
23	R	ESS RELAY [With 2.0L turbo gasoline engine]

Connector No.	E35
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	SAZ30FB-SJZ4-U

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	B	GROUND
3	G	VALVE BATTERY [With VR30 engine]
3	P	VALVE BATTERY [With 2.0L turbo gasoline engine]
4	Y	MOTOR BATTERY
5	LG	STOP LAMP SW SIGNAL [With ADAS]
5	V	STOP LAMP SW SIGNAL [With ASCD]
7	GR	RR LH WHEEL SENSOR SIGNAL
8	G	RR LH WHEEL SENSOR POWER SUPPLY
9	BR	FR RH WHEEL SENSOR SIGNAL
10	GR	FR RH WHEEL SENSOR POWER SUPPLY
13	R	VACUUM SENSOR SIGNAL
15	P	CAN-L [Without Gateway]
15	R	CAN-L [With Gateway]
17	Y	RR RH WHEEL SENSOR SIGNAL
18	LG	RR RH WHEEL SENSOR POWER SUPPLY [With 2.0L turbo gasoline engine]
18	V	RR RH WHEEL SENSOR POWER SUPPLY [With VR30 engine]
19	SB	FR LH WHEEL SENSOR SIGNAL
20	BG	FR LH WHEEL SENSOR POWER SUPPLY
25	L	CAN-H
28	G	VACUUM SENSOR POWER SUPPLY
30	R	VDC OFF SW SIGNAL
32	SHIELD	VACUUM SENSOR GROUND
34	G	IGN

Connector No.	E195
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-NS10

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
5	BR	-
8	GR	-
9	P	-
10	R	-
11	L	-
12	P	-
13	GR	-
14	Y	-
15	G	-
16	W	-
17	L	-
18	R	-
19	BR	-
20	SHIELD	-
21	BR	-
22	V	-
23	W	-
24	L	-
25	G	-
26	G	-
30	Y	-
31	GR	-
32	SB	-
33	W	-
34	W	-
35	B	-
36	G	-
37	SHIELD	-
38	R	-
39	L	-
40	GR	-
41	W	-
42	B	-
43	BR	-
44	P	-
45	SB	-

46	Y	-

Connector No.	E200
Connector Name	ECM
Connector Type	ADA52FB-AH26

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
97	G	POWER SUPPLY (MAIN)
98	B	ECM GROUND
99	G	POWER SUPPLY (MAIN)
100	B	ECM GROUND
101	G	POWER SUPPLY (MAIN)
102	B	ECM GROUND
103	V	COOLING FAN CONTROL SIGNAL (PWM)
104	Y	SENSOR POWER SUPPLY
105	R	SENSOR POWER SUPPLY
106	W	SENSOR GROUND
109	P	ENGINE SPEED SIGNAL
111	G	POWER SUPPLY
116	LG	STARTER RELAY-L
119	BR	SENSOR GROUND
120	BG	SENSOR GROUND
123	BR	MAIN RELAY CONTROL SIGNAL
127	V	FUEL PUMP ON SIGNAL
132	G	ACCELERATOR PEDAL POSITION SENSOR 1
137	L	CAN-H
138	L	DRIVETRAIN CAN-H
142	GR	BACK-UP LAMP SWITCH
143	LG	REFRIGERANT PRESSURE SENSOR
145	L	ACCELERATOR PEDAL POSITION SENSOR 2
146	L	FUEL TANK PRESSURE SENSOR
148	L	THROTTLE CONTROL MOTOR (CLOSE) (BANK 2)
150	P	CAN-L
151	P	DRIVETRAIN CAN-L
152	B	EVAP CANISTER VENT CONTROL VALVE
153	G	EVAP PURGE CONTROL VALVE

Connector No.	E220
Connector Name	JOINT CONNECTOR-E05
Connector Type	NH24FB-J

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
3	W	-
4	L	-
7	W	-
8	L	-
15	R	-
16	L	-
19	R	-
20	L	-
23	R	-
24	L	-

Connector No.	M1
Connector Name	INTEGRAL SWITCH
Connector Type	TH24FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
2	R	ILLUMINATION SIGNAL
3	LG	AV COMMUNICATION SIGNAL (L)
4	SB	AV COMMUNICATION SIGNAL (H)
7	W/B	DISK EJECT SIGNAL
8	G	HAZARD SIGNAL
13	B	GROUND
14	SB	ACC POWER SUPPLY [With 2.0L turbo gasoline engine]
14	V	ACC POWER SUPPLY [With VR30 engine]
15	B	ILLUMINATION CONTROL SIGNAL
16	BG	DISK EJECT SIGNAL GROUND

JRNWF7429GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

18	R	IGNITION SIGNAL [With VR30 engine]
18	W	IGNITION SIGNAL [With 2.0L turbo gasoline engine]
19	BR	CAMERA SWITCH SIGNAL

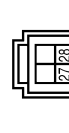
Connector No.	M2
Connector Name	INTEGRAL SWITCH
Connector Type	Tyco_1554987-6

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
27	W	LVDS (+)
28	B	LVDS (-)
29	SHIELD	SHIELD

Connector No.	M3
Connector Name	INTEGRAL SWITCH
Connector Type	TH12FW-NH

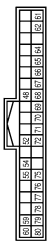
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
30	BR	ILLUMINATION SIGNAL (MULTIFUNCTION SWITCH)
31	W	GROUND (MULTIFUNCTION SWITCH)
32	R	ENCD-B SIGNAL
33	R	PUSH SWITCH A SIGNAL
34	W	PUSH SWITCH C SIGNAL
36	V	ILLUMINATION CONTROL SIGNAL (MULTIFUNCTION SWITCH)
37	W	ENCD-A SIGNAL
38	G	SELECT SWITCH SIGNAL
39	B	PUSH SWITCH B SIGNAL
40	B	SHIELD
41	L	L/R DETECTION SIGNAL

Connector No.	M14
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH

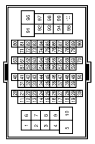
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
48	R	PUSH-BTN IGN SW ILL PWR
52	G	DONGLE LINK
54	V	COMM LINE
55	R	RAIN SENSOR
59	P	CAN-L
60	L	CAN-H
61	G	REAR WINDOW DEF RLY CONT
62	R	STARTER RLY CONT
64	V	I-KEY WARN BUZZER
65	B	OUTS HD LAMP CONT
66	B	BLOWER FAN RLY CONT [With VR30 engine]
66	Y	BLOWER FAN RLY CONT [With 2.0L turbo gasoline engine]
67	W/B	IGN RLYAY (F/B) CONT
68	R	DIMMER
69	GR	A/T SHIFT SELECT PWR SPLY
70	B	IGN RLYAY (IPDM E/R) CONT
71	G	DR DOOR REQ SW
72	SB	PASS DOOR REQ SW
75	BR	COMBI SW INPUT 5
76	BG	COMBI SW INPUT 4
77	V	COMBI SW INPUT 3
78	Y	COMBI SW INPUT 2
79	LG	COMBI SW INPUT 1
80	L	TR LID OPNR SW

Connector No.	M19
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	SB	-
5	Y	-
7	W	-
10	BG	-
11	BR	-
12	LG	-
13	GR	-
14	R	-
15	L	-
16	V	-
18	W	-
19	BR	-
20	W	-
24	R	- [With 2.0L turbo gasoline engine]
24	Y	- [With VR30 engine]
25	P	- [With 2.0L turbo gasoline engine]
25	W	- [With VR30 engine]
26	G	-
27	R	-
28	R	-
31	BR	-
32	B	-
33	B	-
34	V	-
35	P	-
36	W	-
37	SB	-
38	LG	-
40	P	-
41	G	-
42	BR	-
43	BR	-
44	BR	-
46	BG	-
50	W	-
51	Y	-
52	V	-
53	LG	-
54	R	-
55	R	-
58	V	-
59	BG	-
60	G	-
61	G	-
62	BG	-
63	BR	-
64	Y	-
66	R	-
70	LG	-
71	W	-
72	B	-
73	W	-
74	L	-
75	W	-
76	BR	-
77	B	-
78	SB	-
79	W	-
81	B	-
82	R	-
83	BG	-
84	L	-
85	W	-
86	B	-
88	G	-
89	V	-
91	GR	-
93	GR	-
94	GR	-
96	W	-
98	BR	- [With VR30 engine and with BOSE system]
98	Y	- [Except with VR30 engine and with BOSE system]

JRNWF7430GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH

H.S.

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

Terminal No.	Color Of Wire	Signal Name [Specification]
7	W	-
8	L	-
10	Y	-
11	SHIELD	-
12	B	-
13	W	-
14	R	-

Connector No.	M22
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	L	- [With VR30 engine]
2	SHIELD	- [With 2.0L turbo gasoline engine]
3	BR	- [With 2.0L turbo gasoline engine]
3	R	- [With VR30 engine]
4	SHIELD	- [With VR30 engine]
4	Y	- [With 2.0L turbo gasoline engine]
5	G	- [With VR30 engine]
5	V	- [With 2.0L turbo gasoline engine]
6	BG	- [With VR30 engine]
6	BR	- [With 2.0L turbo gasoline engine]
7	LG	- [With VR30 engine]
7	P	- [With 2.0L turbo gasoline engine]
8	G	- [With 2.0L turbo gasoline engine]
8	P	- [With VR30 engine]
9	LG	- [With 2.0L turbo gasoline engine]
9	SHIELD	- [With VR30 engine]
10	V	-
11	GR	-
12	V	-
13	LG	-
14	LG	-
15	BR	- [With 2.0L turbo gasoline engine]
15	P	- [With VR30 engine]
16	SB	- [With DCM]
16	V	- [Without DCM]
17	Y	-
18	L	-
19	G	-
20	GR	-
21	R	-
23	L	-
24	BG	- [With 2.0L turbo gasoline engine]
24	V	- [With VR30 engine]
25	L	- [With 2.0L turbo gasoline engine]
25	SB	- [With VR30 engine]
26	G	- [With VR30 engine]
26	W	- [With 2.0L turbo gasoline engine]
27	R	-
28	R	-
29	LG	-
30	SB	- [With VR30 engine]
30	W	- [With 2.0L turbo gasoline engine]
31	SHIELD	-
32	L	-
33	B	- [With VR30 engine]
33	LG	- [With 2.0L turbo gasoline engine]
34	SHIELD	-
35	LG	- [With VR30 engine]
35	W	- [With 2.0L turbo gasoline engine]
36	R	-
37	R	- [With VR30 engine]
37	V	- [With 2.0L turbo gasoline engine]
38	L	- [With 2.0L turbo gasoline engine and without BOSE system]
38	W	- [Except with 2.0L turbo gasoline engine and without BOSE system]
39	P	- [With VR30 engine and without BOSE system]
39	R	- [With 2.0L turbo gasoline engine]
39	V	- [With VR30 engine and with BOSE system]
40	G	-
41	L	-
42	R	-
43	SHIELD	-
44	P	-
45	B	- [With 2.0L turbo gasoline engine]
45	G	- [With VR30 engine]
46	SHIELD	-
47	G	-
48	BG	- [With 2.0L turbo gasoline engine and with BOSE system]
48	BR	- [With VR30 engine and with BOSE system]
48	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
49	G	-
51	L	- [With VR30 engine]
51	V	- [With 2.0L turbo gasoline engine]
52	L	- [With 2.0L turbo gasoline engine]
52	Y	- [With VR30 engine]
53	R	-
54	GR	-
55	L	-
56	P	-
57	R	-
58	LG	-
59	SB	-
60	BR	-
61	L	- [With 2.0L turbo gasoline engine]
61	R	- [With VR30 engine]
62	P	- [With 2.0L turbo gasoline engine]
62	V	- [With VR30 engine]
63	L	-
64	W	-
65	R	-
66	L	- [With 2.0L turbo gasoline engine]
66	R	- [With VR30 engine]
67	G	-
68	L	-
69	P	-
71	GR	- [With 2.0L turbo gasoline engine]
71	R	- [With VR30 engine]
72	G	- [With VR30 engine]
72	V	- [With 2.0L turbo gasoline engine]
73	LG	- [With 2.0L turbo gasoline engine]
73	SHIELD	- [With VR30 engine]
74	L	- [With VR30 engine]
74	LG	- [With 2.0L turbo gasoline engine]
75	P	-
76	SB	- [With 2.0L turbo gasoline engine]
76	V	- [With VR30 engine]
77	Y	-
78	L	-
79	G	-
80	GR	- [With 2.0L turbo gasoline engine]
80	W	- [With VR30 engine]
81	B	- [With VR30 engine]
81	R	- [With 2.0L turbo gasoline engine]
82	G	- [With 2.0L turbo gasoline engine]
82	SHIELD	- [With VR30 engine]
83	R	- [With 2.0L turbo gasoline engine]
83	W	- [With VR30 engine]
84	BR	- [With VR30 engine]
84	SHIELD	- [With 2.0L turbo gasoline engine]
85	BR	- [With VR30 engine]
85	G	- [With 2.0L turbo gasoline engine]
86	R	-
87	LG	- [With VR30 engine]
87	SHIELD	- [With 2.0L turbo gasoline engine]
88	R	-
89	LG	-
90	SB	-
92	L	- [With 2.0L turbo gasoline engine]
92	W	- [With VR30 engine]
93	SHIELD	-
94	R	-
95	L	- [With 2.0L turbo gasoline engine]
95	Y	- [With VR30 engine]
96	W	-
97	L	- [With VR30 engine]
97	R	- [With 2.0L turbo gasoline engine]
99	BR	- [With VR30 engine and with BOSE system]
99	P	- [With 2.0L turbo gasoline engine]
99	Y	- [With VR30 engine and without BOSE system]
100	BR	- [With VR30 engine]
100	W	- [With 2.0L turbo gasoline engine]

Connector No.	M24
Connector Name	CAN GATEWAY
Connector Type	TH12FW-NH

H.S.

1		3	4	5	6
7		9	10	11	12

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CAN-H (CAN COMMUNICATION CIRCUIT 1)
3	W	BATTERY POWER SUPPLY
4	L	CAN-H (CAN COMMUNICATION CIRCUIT 2)
5	B	GROUND
6	L	CAN-H (CAN COMMUNICATION CIRCUIT 2)
7	P	CAN-L (CAN COMMUNICATION CIRCUIT 1)

JRNWF7431GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

9	R	IGNITION POWER SUPPLY [With VR30 engine]
9	W	IGNITION POWER SUPPLY [With 2.0L turbo gasoline engine]
10	R	CAN-L (CAN COMMUNICATION CIRCUIT 2)
11	B	GROUND
12	R	CAN-L (CAN COMMUNICATION CIRCUIT 2)

Connector No.	M25
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	M_CAN_L
4	B	EARTH
5	B	EARTH
6	L	CAN-H
7	V	K-LINE [With 2.0L turbo gasoline engine]
7	W	K-LINE [With VR30 engine]
8	W	IGN_SW
11	SB	M_CAN_H
12	R	CAN-L
13	L	CAN-H
14	P	CAN-L
16	W	POWER

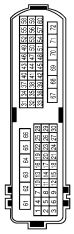
Connector No.	M33
Connector Name	WIRE TO WIRE
Connector Type	NH60MW-TS12

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
6	R	-
8	GR	-
9	GR	-
10	W	-
11	SHIELD	-
12	P	-
13	SB	-
14	LG	-
15	Y	-
16	Y	-
17	P	-
18	W/B	-
19	LG	- [With DRPO]
19	Y	- [Without DRPO]
20	V	-
21	B	-
22	BG	- [Without DRPO]
22	G	- [With DRPO]
23	L	-
24	Y	-
25	BG	- [Without DRPO]
25	L	- [With DRPO]
27	GR	-
28	V	-
29	B	-
30	W	-
31	B	-
32	SB	-
33	L	-
34	BR	-
35	LG	-
36	W	-
37	B	-
38	R	-
39	B	-
40	P	-
41	SB	-
43	W	- [With 2.0L turbo gasoline engine]
43	Y	- [With VR30 engine]
44	BG	-
46	BR	-
47	G	-
49	V	-
50	B	-
52	BR	-
53	B	-
54	L	-
55	BG	-
56	LG	-
57	V	-
58	R	-
59	G	-
60	L	-
61	G	-
62	R	-
63	V	-
64	B	-
65	R	-
66	BR	-
68	P	-
69	V	-
70	W	-
71	LG	-
72	V	-

Connector No.	M34
Connector Name	WIRE TO WIRE
Connector Type	NH60MW-TS12

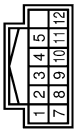
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	R	-
5	L	-
6	R	-
8	W	-
9	GR	-
10	V	-
11	Y	-
13	LG	-
16	G	-
17	B	-
18	W	-
19	B	-
20	SB	- [With DRPO]
20	Y	- [Without DRPO]
21	SHIELD	-
22	B	-
23	BG	- [Without DRPO]
23	P	- [With DRPO]
24	G	-
25	LG	-
26	BG	- [Without DRPO]
26	BR	- [With DRPO]
27	R	-
28	SB	-
29	BG	- [Without DRPO]
29	W/B	- [With DRPO]
30	L	-
38	R	-
39	B	-
49	P	-
51	V	-
52	V	-
55	B	-
56	SB	-
57	G	-
58	G	-
59	LG	-
60	R	-
63	B	-
64	R	-
65	BR	-
66	Y	-
69	BR	-
70	Y	-
71	SB	-
72	W	-

Connector No.	M55
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH12FW-NH

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	ILL
2	W	GND
3	R	ENCD-B SIGNAL
4	R	PUSH SWITCH A SIGNAL
5	W	PUSH SWITCH C SIGNAL

JRNWF7432GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

7	V	ILLUMINATION CONTROL SIGNAL
8	W	ENCD-A SIGNAL
9	G	SELECT SWITCH SIGNAL
10	B	PUSH SWITCH-9 SIGNAL
11	B	SHIELD
12	L	L/R DETECTION SIGNAL

38	R	VEHICLE SPEED SIGNAL (8-PULSE)

Connector No.	M92	
Connector Name	WIRE TO WIRE	
Connector Type	NS16MW-CS	

Connector No.	M98	
Connector Name	DISPLAY CONTROL UNIT	
Connector Type	Tyco 1554987-5	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BR	-
3	V	-
4	R	-
5	GR	-
6	V	-
7	L	-
9	P	-
10	GR	-
11	SB	-
12	W	-
13	G	-
14	BR	-
15	P	-
16	LG	-

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	USB GROUND
2	W	USB V BUS SIGNAL
3	R	USB D- SIGNAL
4	L	USB D+ SIGNAL
5	SHIELD	SHIELD

Connector No.	M57	
Connector Name	COMBINATION METER	
Connector Type	TH40FW-NH	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
6	GR	STOP/START OFF SWITCH INDICATOR SIGNAL
7	G	SECURITY SIGNAL
8	B	
11	W	ALTERNATOR SIGNAL
14	V	ACC POWER SUPPLY
16	V	AIR BAG SIGNAL
17	BR	METER CONTROL SWITCH GROUND
18	SB	TRIP/RESET SIGNAL
21	B	STEERING SWITCH SIGNAL GROUND
22	P	STEERING SWITCH SIGNAL A
23	W/B	STEERING SWITCH SIGNAL B
24	L	WASHER LEVEL SWITCH SIGNAL
25	LG	BRAKE FLUID LEVEL SWITCH SIGNAL
26	V	PARKING BRAKE SWITCH SIGNAL
27	G	PASSENGER SEAT BELT WARNING SIGNAL
28	W	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
30	G	MANUAL MODE SIGNAL [With 2.0L turbo gasoline engine models]
30	SB	MANUAL MODE SIGNAL [With VR30DDTT engine models]
31	G	NON-MANUAL MODE SIGNAL [With 2.0L turbo gasoline engine models]
31	L	NON-MANUAL MODE SIGNAL [With VR30DDTT engine models]
32	BG	MANUAL MODE SHIFT UP SIGNAL
33	GR	MANUAL MODE SHIFT DOWN SIGNAL [With VR30DDTT engine models]
33	P	MANUAL MODE SHIFT DOWN SIGNAL [With 2.0L turbo gasoline engine models]
34	BG	PADDLE SHIFTER UP SWITCH SIGNAL
35	G	PADDLE SHIFTER DOWN SWITCH SIGNAL
36	V	ILLUMINATION CONTROL SWITCH SIGNAL (+)
37	GR	ILLUMINATION CONTROL SWITCH SIGNAL (-)

Connector No.	M58	
Connector Name	COMBINATION METER	
Connector Type	TH12FW-NH	

Terminal No.	Color Of Wire	Signal Name [Specification]
41	L	CAN-H
42	P	CAN-L
43	B	ILLUMINATION CONTROL SIGNAL
44	Y	FUEL LEVEL SENSOR GROUND
45	W	BATTERY POWER SUPPLY
46	BG	IGNITION SIGNAL [With 2.0L turbo gasoline engine models]
46	R	IGNITION SIGNAL [With VR30DDTT engine models]
47	SB	AV COMMUNICATION SIGNAL (H)
48	LG	AV COMMUNICATION SIGNAL (L)
51	BR	FUEL LEVEL SENSOR SIGNAL
52	B	GROUND

Connector No.	M87	
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)	
Connector Type	TK08FGY-1V	

Terminal No.	Color Of Wire	Signal Name [Specification]
24	P	-
25	SB	-
31	W/B	-
32	Y	-
33	B	-

Connector No.	M96	
Connector Name	CENTER SQUAWKER	
Connector Type	TK02FBR	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	GR	-

Terminal No.	Color Of Wire	Signal Name [Specification]
16	LG	AV COMMUNICATION SIGNAL (L)
17	P	CAN-L
19	R	DIMMER SIGNAL
20	BR	REVERSE SIGNAL
22	B	GROUND
26	BR	CAMERA SWITCH SIGNAL
28	SB	AV COMMUNICATION SIGNAL (H)
29	L	CAN-H
30	R	IGNITION SIGNAL [With VR30 engine]
30	W	IGNITION SIGNAL [With 2.0L turbo gasoline engine]
31	R	VEHICLE SPEED SIGNAL (8-PULSE)
33	SB	ACC POWER SUPPLY
34	Y	BATTERY POWER SUPPLY

Connector No.	M100	
Connector Name	DISPLAY CONTROL UNIT	
Connector Type	TH24FW-NH	

JRNWF7433GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	M101
Connector Name	DISPLAY CONTROL UNIT
Connector Type	TH40FW-NH

H.S.

38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71

Terminal No.	Color Of Wire	Signal Name [Specification]
36	LG	COMPOSITE IMAGE SIGNAL (-)
38	SHIELD	SHIELD
40	SHIELD	MANUFACTURER SPECIFIC SIGNAL
42	G	SOUND SIGNAL RH (-)
43	SHIELD	SHIELD
44	L	SOUND SIGNAL LH (-)
45	W	TEL VOICE SIGNAL (-)
46	SHIELD	SHIELD
47	R	VOICE GUIDANCE SIGNAL OUTPUT (-)
48	B	VOICE GUIDANCE SIGNAL INPUT (-)
49	W	NS ON/OFF SIGNAL
50	R	MICROPHONE SIGNAL GROUND [WITH NAVIGATION]
51	SHIELD	SHIELD
52	SHIELD	MICROPHONE SIGNAL GROUND
54	W	CAMERA POWER SUPPLY GROUND
55	SHIELD	SHIELD
56	BR	COMPOSITE IMAGE SIGNAL (+)
58	B	CAMERA IMAGE SIGNAL
60	W	SOUND SIGNAL (-)
61	B	SOUND SIGNAL (+)
62	R	SOUND SIGNAL RH (+)
63	SHIELD	SHIELD
64	V	SOUND SIGNAL LH (+)
65	B	TEL VOICE SIGNAL (+)
66	SHIELD	SHIELD
67	G	VOICE GUIDANCE SIGNAL OUTPUT (+)
68	W	VOICE GUIDANCE SIGNAL INPUT (+)
69	SHIELD	SHIELD
70	G	MICROPHONE SIGNAL [NAVI]
71	G	MICROPHONE SIGNAL [Without telematics system]
71	R	MICROPHONE SIGNAL [With telematics system]
72	L	MICROPHONE VCC
74	R	CAMERA POWER SUPPLY

Connector No.	M103
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-1

H.S.

80	81
82	83
84	

Terminal No.	Color Of Wire	Signal Name [Specification]
80	G	USB GROUND
81	W	USB V BUS SIGNAL
82	R	USB D- SIGNAL
83	L	USB D+ SIGNAL
84	SHIELD	SHIELD

Connector No.	M105
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-6

H.S.

92	93
94	

Terminal No.	Color Of Wire	Signal Name [Specification]
92	W	LVDS (+)
93	B	LVDS (-)
94	SHIELD	SHIELD

Connector No.	M112
Connector Name	FRONT SQUAWKER RH
Connector Type	TK02FBR

H.S.

2	1

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	L	-

Connector No.	M115
Connector Name	FRONT SQUAWKER LH
Connector Type	TK02FBR

H.S.

2	1

Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	V	-

Connector No.	M135
Connector Name	JOINT CONNECTOR-M09
Connector Type	24342_4GA2A

H.S.

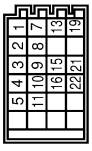
6	5	4	3	2	1
	11	10	9		
18	17	16	15	14	13
24	23	22	21	20	19

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-
4	B	-
5	B	-
6	B	-
9	LG	-
10	LG	-
11	LG	-
13	B	- [With VR30 engine]
13	SB	- [With 2.0L turbo gasoline engine]
14	B	- [With VR30 engine]
14	SB	- [With 2.0L turbo gasoline engine]
15	B	- [With VR30 engine]
15	SB	- [With 2.0L turbo gasoline engine]
16	SB	- [With 2.0L turbo gasoline engine]
16	Y	- [With VR30 engine]
17	SB	- [With 2.0L turbo gasoline engine]
17	Y	- [With VR30 engine]
18	SB	- [With 2.0L turbo gasoline engine]
18	Y	- [With VR30 engine]
19	SHIELD	-
20	R	-
21	R	-
22	SHIELD	-
23	L	-
24	L	-

JRNWF7434GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	M137
Connector Name	JOINT CONNECTOR-M10
Connector Type	24342-4GA2A

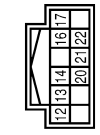


Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-
4	B	-
5	B	-
7	B	-
8	B	-
9	B	-
10	B	-
11	B	-
13	L	-
15	L	-
16	L	-
19	R	-
21	R	-
22	R	-

Connector No.	M142
Connector Name	EXTERNAL DATA INPUT BOX
Connector Type	GT17VS-10DS-HU

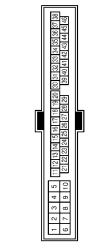
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	USB D+ SIGNAL
2	W	USB V BUS SIGNAL
3	R	USB D- SIGNAL
4	G	USB GND
7	G	USB GND
8	R	USB D- SIGNAL
9	W	USB V BUS SIGNAL
10	L	USB D+ SIGNAL
11	SHIELD	SHIELD

Connector No.	M143
Connector Name	EXTERNAL DATA INPUT BOX
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
12	W	AUX SOUND SIGNAL LH
13	R	AUX_AUDIO-
14	B	AUX SOUND SIGNAL RH
16	B	GND
17	Y	BAT
20	L	AUX IMAGE SIGNAL (+)
21	V	AUX IMAGE SIGNAL (-)
22	SB	ACC

Connector No.	M146
Connector Name	WIRE TO WIRE
Connector Type	TK36MW-NS10



Terminal No.	Color Of Wire	Signal Name [Specification]
5	R	-
8	GR	-
9	V	-
10	BG	-
11	L	-
12	P	-
13	SB	-
14	Y	-
15	G	-
16	BR	-
17	W	-
18	R	-
19	L	-
20	SHIELD	-
21	BR	-
22	B	-
23	G	-
24	L	-
25	R	-
26	G	-
28	L	-
29	P	-
30	Y	-
31	GR	-
32	SB	-
33	BG	-
34	W	-
35	G	-
36	R	-
37	SHIELD	-
38	B	-
39	W	-
40	B	-
41	GR	-
42	B	-
43	LG	-
44	B	-
45	SB	-
46	B	-

Connector No.	M159
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	BR	-
4	R	-
5	GR	-
6	W	-
9	SHIELD	-
10	W	-
11	R	-
12	L	-
13	G	-
14	W	[With VR30 engine]
14	Y	- [With 2.0L turbo gasoline engine]
15	B	-
17	B	-
19	R	-
20	BG	With 2.0L turbo gasoline engine and with rear power sunshade control
20	BR	- [With VR30 engine and with BOSE system]
20	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
21	R	-
22	G	-
24	B	-
25	W	-
26	R	-
28	B	-
29	G	-
30	L	-
31	R	-
32	W	-
33	L	-
36	V	-
38	LG	-
40	L	- [With 2.0L turbo gasoline engine and without BOSE system]
40	W	- [Except with 2.0L turbo gasoline engine and without BOSE system]

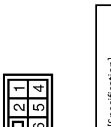
JRNWF7435GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	M160
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	LG	-
3	BR	-
4	R	-
6	B	-
7	R	-
8	V	-

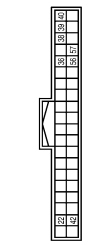
Connector No.	M163
Connector Name	AV CONTROL UNIT
Connector Type	NH18FW-CS2



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	SHIELD
2	L	SOUND SIGNAL FRONT LH (+)
3	R	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (+)
5	SB	SOUND SIGNAL REAR LH (-)
7	SB	ACC POWER SUPPLY
8	W/B	DISK EJECT SIGNAL
9	BG	DISK EJECT SIGNAL GROUND
10	SHIELD	SHIELD
11	LG	SOUND SIGNAL FRONT RH (+)
12	P	SOUND SIGNAL FRONT RH (-)
13	L	SOUND SIGNAL REAR RH (+)
14	P	SOUND SIGNAL REAR RH (-)

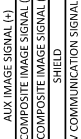
19	Y	BATTERY POWER SUPPLY
20	B	GROUND

Connector No.	M164
Connector Name	AV CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
22	LG	AV COMMUNICATION SIGNAL (L)
36	L	AUX IMAGE SIGNAL (+)
38	BR	COMPOSITE IMAGE SIGNAL (+)
39	LG	COMPOSITE IMAGE SIGNAL (-)
40	SHIELD	SHIELD
42	SB	AV COMMUNICATION SIGNAL (H)
56	V	AUX IMAGE SIGNAL (-)
57	SHIELD	SHIELD

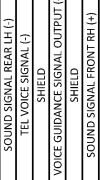
Connector No.	M165
Connector Name	AV CONTROL UNIT
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
61	V	SOUND SIGNAL LH (+)
62	R	SOUND SIGNAL RH (+)
63	SHIELD	SHIELD
65	SHIELD	SHIELD
66	W	AUX SOUND SIGNAL LH
67	L	SOUND SIGNAL LH (-)
68	G	SOUND SIGNAL RH (-)
69	SHIELD	SHIELD

71	R	AUX SOUND SIGNAL GROUND
72	B	AUX SOUND SIGNAL RH

Connector No.	M166
Connector Name	AV CONTROL UNIT
Connector Type	TH16FW-NH

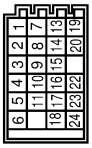


Terminal No.	Color Of Wire	Signal Name [Specification]
73	B	TEL VOICE SIGNAL (+)
74	SHIELD	SHIELD
75	G	VOICE GUIDANCE SIGNAL OUTPUT (+)
76	B	SHIELD
77	G	SOUND SIGNAL FRONT LH (+)
78	L	SOUND SIGNAL FRONT LH (-)
79	LG	SOUND SIGNAL REAR LH (+)
80	P	SOUND SIGNAL REAR LH (-)
81	W	TEL VOICE SIGNAL (-)
82	SHIELD	SHIELD
83	R	VOICE GUIDANCE SIGNAL OUTPUT (-)
84	B	SHIELD
85	R	SOUND SIGNAL FRONT RH (+)
86	L	SOUND SIGNAL FRONT RH (-)
87	B	SOUND SIGNAL REAR RH (+)
88	W	SOUND SIGNAL REAR RH (-)

Connector No.	M167
Connector Name	AV CONTROL UNIT
Connector Type	Tyco_1554987-1

Terminal No.	Color Of Wire	Signal Name [Specification]
89	G	USB GROUND
90	W	USB V BUS SIGNAL
91	R	USB D- SIGNAL
92	L	USB D+ SIGNAL
93	SHIELD	SHIELD

Connector No.	M171
Connector Name	JOINT CONNECTOR-M01
Connector Type	24342_4GA2A



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-
4	B	-
5	B	-
6	B	-
7	B	-
8	B	-
9	B	-
10	G	-
11	G	-
13	B	-
14	B	-
15	B	-
16	SB	- [With VR30 engine]

JRNWF7436GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

16	Y	- [With 2.0L turbo gasoline engine]
17	SB	- [With VR30 engine]
17	Y	- [With 2.0L turbo gasoline engine]
18	SB	- [With VR30 engine]
18	Y	- [With 2.0L turbo gasoline engine]
19	G	-
20	G	-
22	LG	- [With VR30 engine]
22	SB	- [With 2.0L turbo gasoline engine]
23	LG	- [With VR30 engine]
23	SB	- [With 2.0L turbo gasoline engine]
24	LG	- [With VR30 engine]
24	SB	- [With 2.0L turbo gasoline engine]

Connector No.	M173
Connector Name	JOINT CONNECTOR-M03
Connector Type	24342_4GA2A

H.S.

	6	5	4	3	2	1
	12	11	10	9	8	7
	18	17	16	15	14	13
	24	23	22	21	20	19

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	L	-
3	L	-
4	L	-
5	L	-
6	L	-
7	R	-
8	R	-
9	R	-
10	R	-
11	R	-
12	R	-
13	SB	-
14	SB	-
15	SB	-
16	L	- [With 2.0L turbo gasoline engine]
16	SB	- [With VR30 engine]
17	L	- [With 2.0L turbo gasoline engine]
17	SB	- [With VR30 engine]
18	L	- [With 2.0L turbo gasoline engine]
18	SB	- [With VR30 engine]

Connector No.	M174
Connector Name	JOINT CONNECTOR-M04
Connector Type	24342_4GA2A

H.S.

	6	5	4	3		
	12	11	10	9		
	18	17	16	15	14	13
	24	23	22	21	20	19

Terminal No.	Color Of Wire	Signal Name [Specification]
3	L	-
4	L	-
5	L	-
6	L	-
9	Y	-
10	Y	-
11	Y	-
12	Y	-
13	SB	-
14	SB	-
15	SB	-
16	SB	-
17	SB	-
18	SB	-
19	LG	-
20	LG	-
21	LG	-
22	LG	-
23	LG	-
24	LG	-

Connector No.	M175
Connector Name	JOINT CONNECTOR-M05
Connector Type	NH20FL-DC

H.S.

							8	7	6	5	4	3	2	1					
20	19						17	16	15				13	12	11	10			

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	L	-
3	L	-
4	L	-
5	L	-
6	L	-
7	L	-
8	L	-
10	P	-
11	P	-
12	P	-
13	P	-
14	P	-
15	P	-
16	P	-
17	P	-
19	W	-
20	W	-

Connector No.	M177
Connector Name	JOINT CONNECTOR-M07
Connector Type	24342_4GA2A

H.S.

	6	5	4	3		1
	12	11	10	9	8	7
	18	17	16			
	24	23	22			

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
3	L	-
4	L	-
5	L	-
6	L	-
7	P	-
9	P	-
10	P	-
11	P	-
12	P	-
16	L	-
17	L	-
18	L	-
22	P	-
23	P	-
24	P	-

Connector No.	M190
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TH24FW-NH-Y-CPA

H.S.

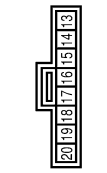
									38	37	36		34	33	32	31			
28	29	30					46	45				43	42	41		39			

Terminal No.	Color Of Wire	Signal Name [Specification]
28	Y/R	-
29	Y	-
30	Y/B	-
31	SB	-
32	B	-
33	W/B	-
34	P	-
36	BG	-
37	G	-
38	R	-
39	Y	-
41	B	-
42	B	-
43	LG	-
45	L	-
46	R	-

JRNWF7437GB

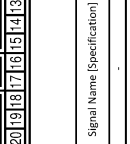
INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	M301
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FGY



Terminal No.	Color Of Wire	Signal Name [Specification]
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-

Connector No.	M302
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	SUMITOMOTH-12

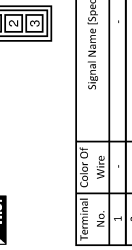


Terminal No.	Color Of Wire	Signal Name [Specification]
13	-	-
14	-	-
15	-	-
16	-	-
17	-	-
18	-	-
19	-	-
20	-	-
21	-	-
22	-	-
23	-	-
24	-	-

Connector No.	M375
Connector Name	WIRE TO WIRE
Connector Type	GT13SC-2-1S-HU

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-
3	-	-

Connector No.	M376
Connector Name	WIRE TO WIRE
Connector Type	GT13SCN-2-1PP-HU

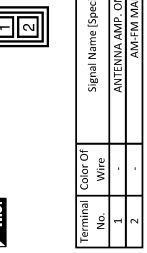


Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-
3	-	-

Connector No.	M386
Connector Name	ANTENNA AMP.
Connector Type	GT13SSN-1-1PP-HU

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	ANTENNA AMP. ON SIGNAL
2	-	AM-FM MAIN

Connector No.	M389
Connector Name	WINDOW ANTENNA (FM SUB)
Connector Type	P01FB-A

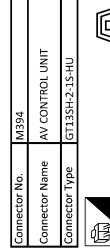


Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-

Connector No.	M390
Connector Name	WINDOW ANTENNA (AM/FM MAIN)
Connector Type	P01FB-A

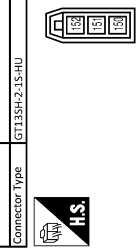
Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-

Connector No.	M394
Connector Name	AV CONTROL UNIT
Connector Type	GT13SH-2-1S-HU



Terminal No.	Color Of Wire	Signal Name [Specification]
150	-	FM SUB
151	-	AM-FM MAIN
152	-	ANTENNA AMP. ON SIGNAL

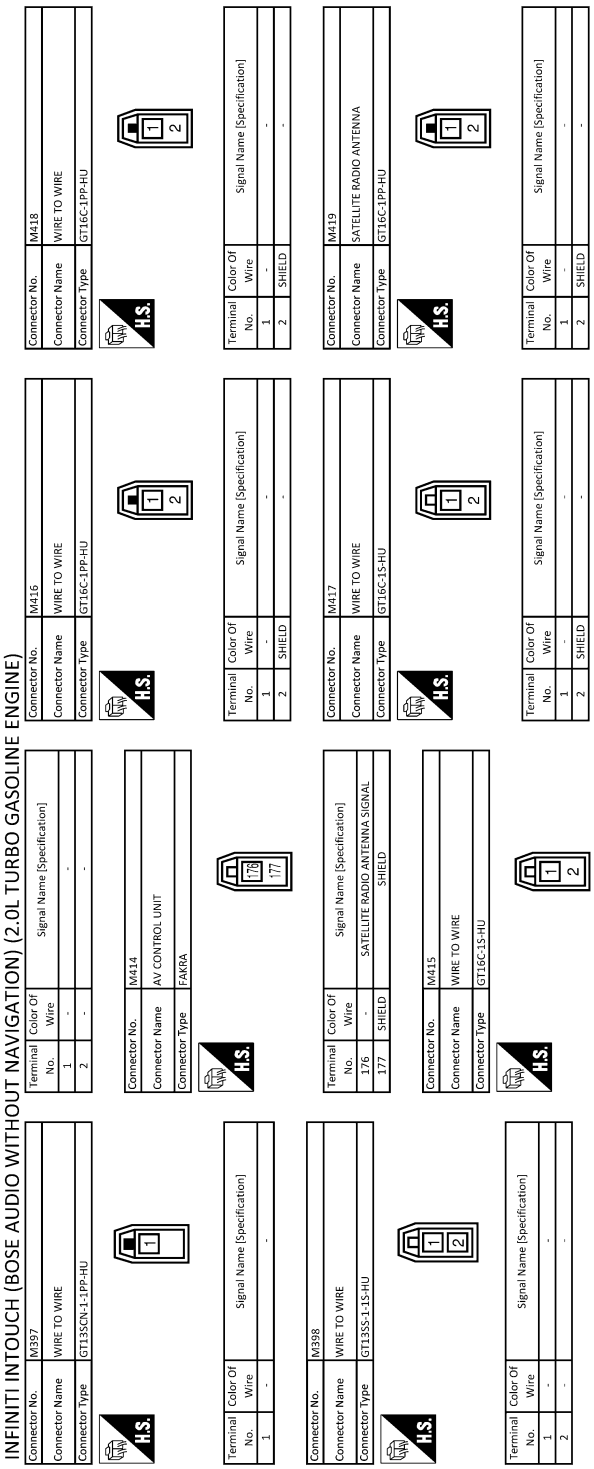
Connector No.	M396
Connector Name	WIRE TO WIRE
Connector Type	GT16-1S-HU(B)



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-

JRNWF7438GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

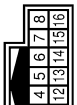


JRNWF7439GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	R6
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH

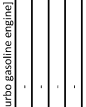
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	- [With VR30 engine]
1	SB	- [With 2.0L turbo gasoline engine]
2	BR	-
4	V	-
6	SB	-
7	R	-
8	G	-
9	L	- [With 2.0L turbo gasoline engine]
9	W	- [With VR30 engine]
11	LG	-
12	G	-
13	B	-

Connector No.	R14
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	- [With VR30 engine]
1	SB	- [With 2.0L turbo gasoline engine]
2	BR	-
4	V	-
6	SB	-
7	R	-
8	G	-
9	L	- [With 2.0L turbo gasoline engine]
9	W	- [With VR30 engine]
11	LG	-
12	G	-
13	B	-

11	R	-
12	L	-
13	G	-
14	W	- [With VR30 engine]
14	Y	- [With 2.0L turbo gasoline engine]
15	B	-
17	SB	-
19	BG	-
20	BG	- [Without BOSE system]
20	BR	- [With BOSE system]
21	R	-
22	G	-
24	B	-
25	P	-
26	BR	-
28	B	-
29	R	-
30	L	-
31	V	-
32	W	-
33	L	-
36	BR	-
38	SB	-
40	W	-

Connector No.	R16
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	Y	-
4	W	-
6	B	-
7	GR	-
8	V	-

Connector No.	R19
Connector Name	(FRONT MICROPHONE (LH) (ACTIVE NOISE CANCELATION)
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	LG	-

Connector No.	R20
Connector Name	(FRONT MICROPHONE (RH) (ACTIVE NOISE CANCELATION)
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	BR	-

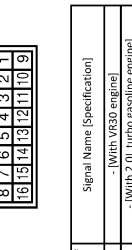
Connector No.	R12
Connector Name	MICROPHONE
Connector Type	A06FW

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	SHIELD	-
4	L	-
5	W	-

Connector No.	R15
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-NH

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	LG	-
3	BR	-
4	V	-
5	BG	-
6	GR	-
9	SHIELD	-
10	GR	-

JRNWF7440GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	T48
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS

H.S.

7	6	5	4		3	2	1
16	15	14	13	12	11	10	9	8

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BG	-
4	L	-
5	P	-
6	G	-
8	B	-
9	R	-
10	P	-
11	L	-
13	G	- [With around view monitor]
13	L	- [With rear view monitor]
14	B	- [With rear view monitor]
14	R	- [With around view monitor]
15	B	- [With around view monitor]
15	W	- [With rear view monitor]
16	R	- [With rear view monitor]
16	W	- [With around view monitor]

Connector No.	T54
Connector Name	REAR VIEW CAMERA
Connector Type	RH06FB-1V

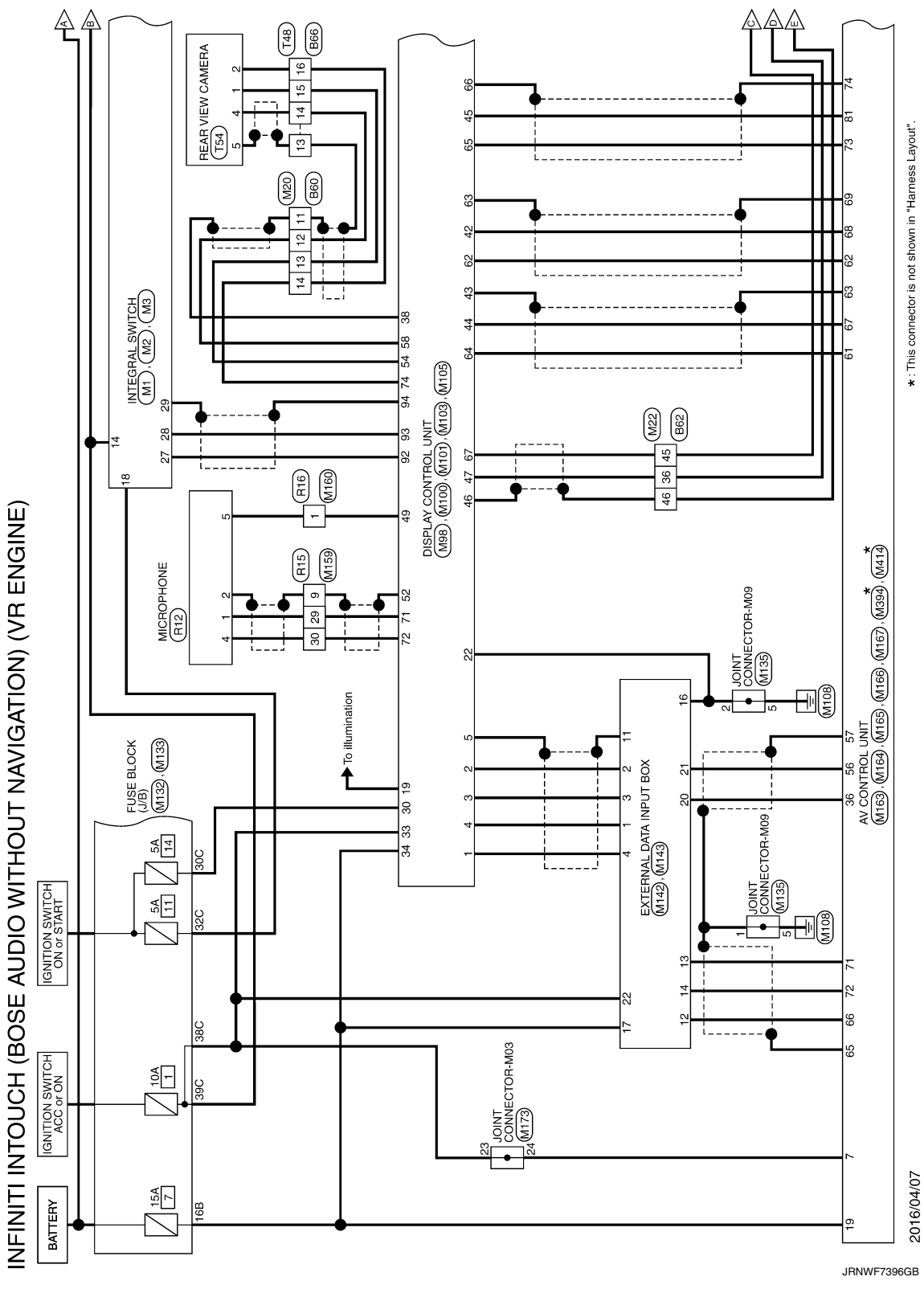
H.S.

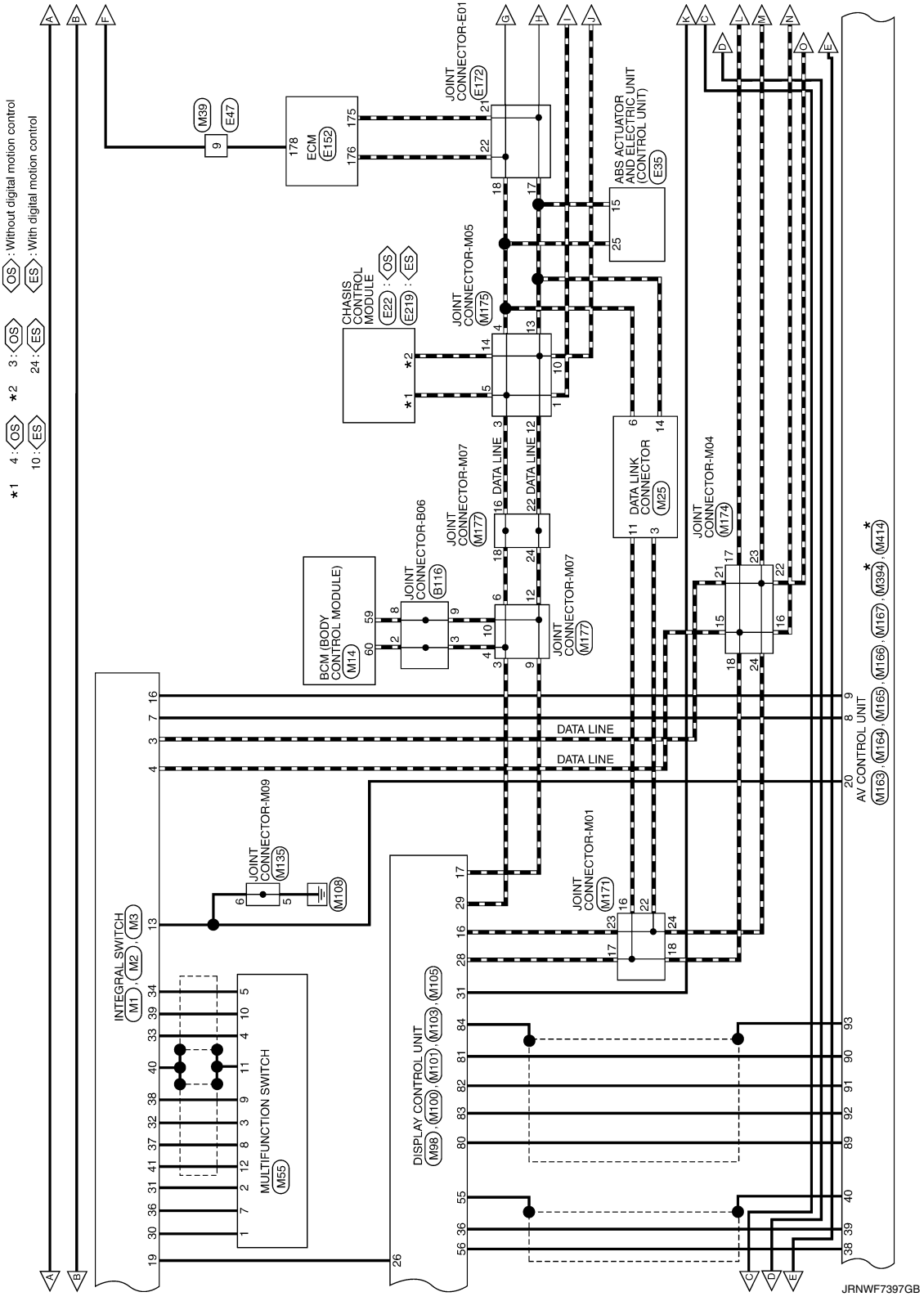
1	2
4	5

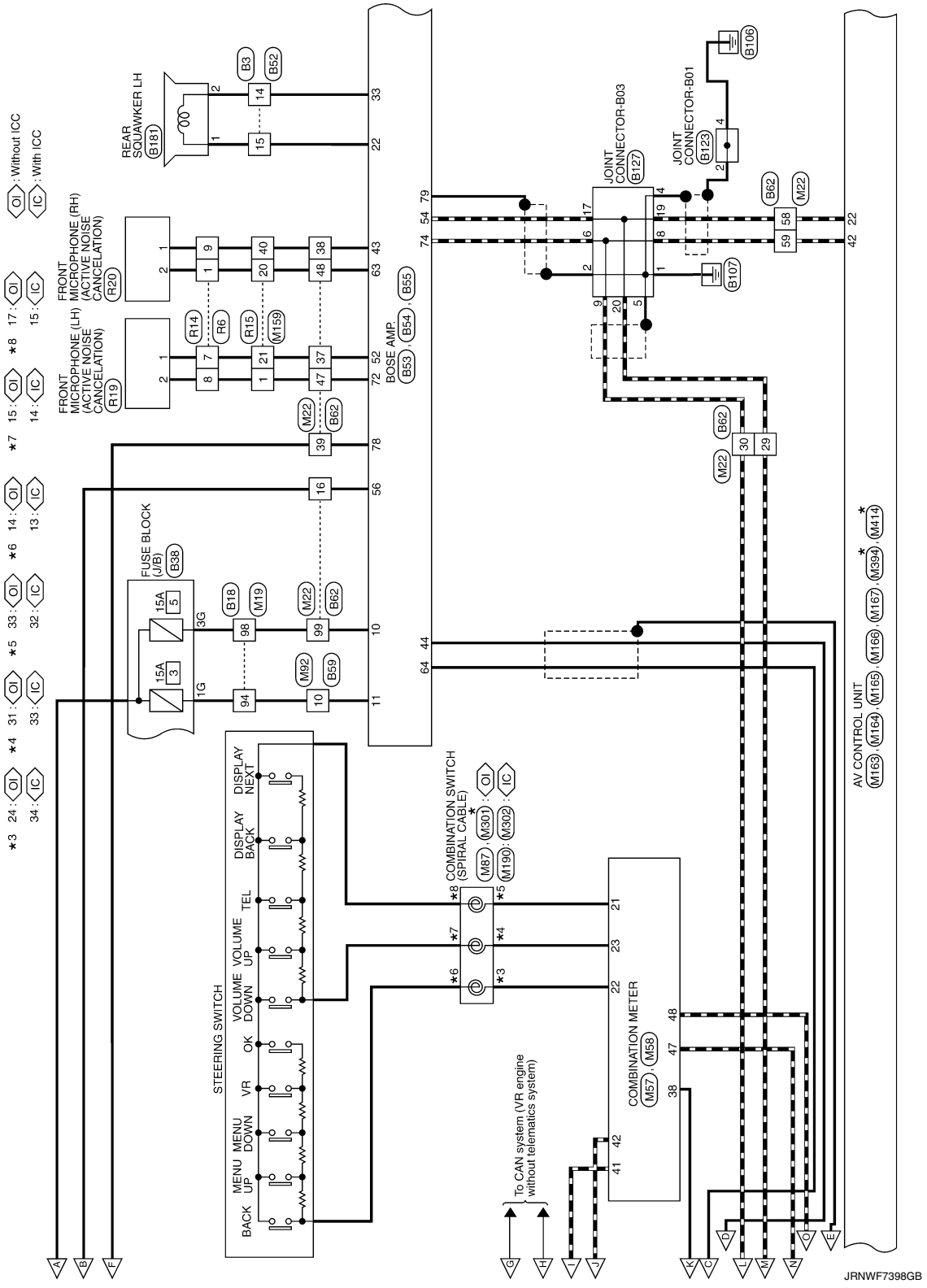
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	GND
2	R	CAMAERA_ON
4	B	COMP+

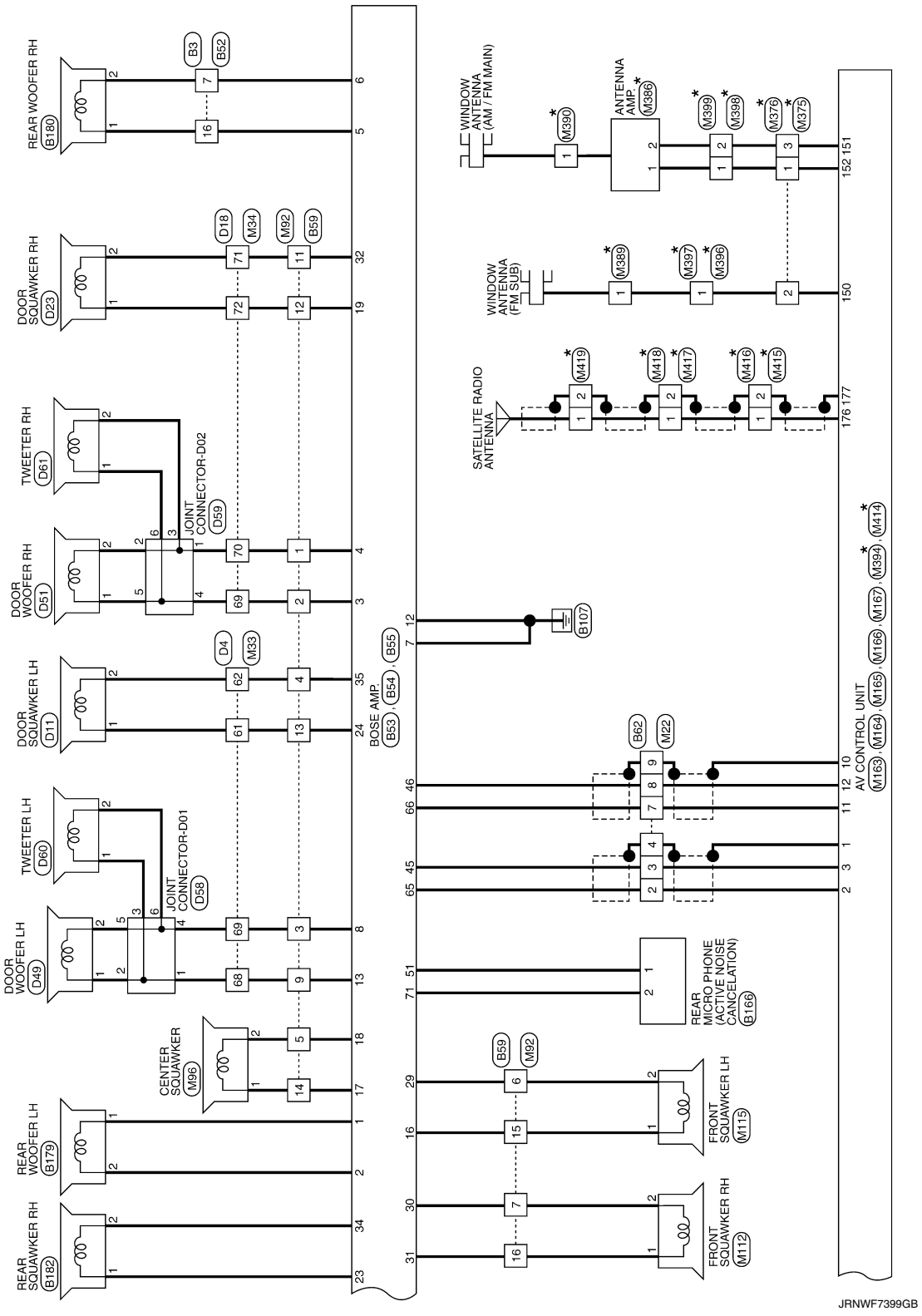
COMP-

JRNWF7917GB


INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)
BATTERY
IGNITION SWITCH ACC or ON
IGNITION SWITCH ON or START
FUSE BLOCK (J/B) M132, M133
INTEGRAL SWITCH M1, M2, M3
REAR VIEW CAMERA T54
MICROPHONE R12
DISPLAY CONTROL UNIT M98, M100, M101, M103, M105
EXTERNAL DATA INPUT BOX M142, M143
AV CONTROL UNIT M163, M164, M165, M166, M167, M394, M414
JOINT CONNECTOR-M03 M173
JOINT CONNECTOR-M09 M135
To illumination
*: This connector is not shown in "Harness Layout".
2016/04/07
JRNWF7396GB

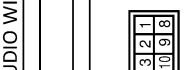

OS : Without digital motion control
ES : With digital motion control
*1 4 : OS 10 : ES
*2 3 : OS 24 : ES
M39 9 E47
ECM E152 178 175 176
JOINT CONNECTOR-E01 E172 21 22
ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) E35 15 25
CHASSIS CONTROL MODULE E22 : OS E219 : ES *2 *1
JOINT CONNECTOR-M05 M175 4 13 14 5 10 1
DATA LINE 16 22 12 3
JOINT CONNECTOR-M07 M177 18 24 6 12 3 9
JOINT CONNECTOR-B06 B116 8 9 2 3 10 4
BCM (BODY CONTROL MODULE) M14 59 60
DATA LINK CONNECTOR M25 11 3 6 14
JOINT CONNECTOR-M04 M174 21 17 23 15 22 16 18 24
AV CONTROL UNIT M163, M164, M165, M166, M167, M394, M414 20 9 8
DATA LINE
DATA LINE
JOINT CONNECTOR-M09 M135 6 5 M108
JOINT CONNECTOR-M01 M171 29 16 23 17 22 18 24
INTEGRAL SWITCH M1, M2, M3 13
MULTIFUNCTION SWITCH M55
DISPLAY CONTROL UNIT M98, M100, M101, M103, M105 17 28 31 84 81 82 83 80 55 36 56 26 93 90 91 92 89 40 39 38
JRNWF7397GB


OI : Without ICC
IC : With ICC
REAR SQUAWKER LH (B181)
FRONT MICROPHONE (RH) (ACTIVE NOISE CANCELATION) (R20)
FRONT MICROPHONE (LH) (ACTIVE NOISE CANCELATION) (R19)
BOSE AMP (B53) (B54) (B55)
JOINT CONNECTOR-B03 (B127)
JOINT CONNECTOR-B01 (B123)
FUSE BLOCK (J/B) (B38)
15A 5
15A 3
STEERING SWITCH
DISPLAY NEXT
DISPLAY BACK
TEL
VOLUME UP
VOLUME DOWN
OK
VR
MENU DOWN
MENU UP
BACK
COMBINATION SWITCH (SPIRAL CABLE) (M87) (M190) (M301) (M302)
COMBINATION METER (M57) (M58)
To CAN system (VR engine without telematics system)
AV CONTROL UNIT (M163) (M164) (M165) (M166) (M167) (M394) (M414)
JRNWF7398GB


REAR WOOFER RH B180
REAR WOOFER LH B179
REAR SQUAWKER RH B182
DOOR SQUAWKER RH D23
DOOR SQUAWKER LH D11
DOOR WOOFER RH D51
DOOR WOOFER LH D49
TWEETER RH D61
TWEETER LH D60
JOINT CONNECTOR-D02
JOINT CONNECTOR-D01
CENTER SQUAWKER M96
BOSE AMP B53, B54, B55
B107
B3
B52
D18
M34
M92
B59
D4
M33
D58
D59
WINDOW ANTENNA (AM / FM MAIN)
M390
ANTENNA AMP M386
M399
M398
M376
M375
WINDOW ANTENNA (FM SUB)
M389
M397
M396
SATELLITE RADIO ANTENNA
M419
M418
M417
M416
M415
B62
M22
AV CONTROL UNIT
M163, M164, M165, M166, M167, M394, M414
REAR MICRO PHONE (ACTIVE NOISE CANCELATION) B166
FRONT SQUAWKER LH M115
FRONT SQUAWKER RH M112
JRNWF7399GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

Connector No.	B3
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS

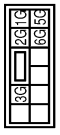


Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
4	B	- [With 2.0L turbo gasoline engine]
4	BR	- [With VR30 engine]
5	BR	- [With 2.0L turbo gasoline engine and with BOSE system]
5	Y	- [Except with 2.0L turbo gasoline engine and with BOSE system]
6	SHIELD	-
7	R	-
8	SHIELD	-
9	P	-
11	B	-
12	GR	-
13	G	-
14	B	-
15	W	-
16	BR	-

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

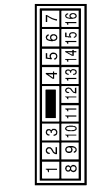
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	L	-
5	Y	-
7	V	-
10	BG	-
11	BG	-
12	LG	-
13	GR	-
14	R	-
15	L	-
16	V	-
18	W	-
19	BR	-
20	W	-
22	R	-
23	V	-
24	R	- [With 2.0L turbo gasoline engine]
24	Y	- [With VR30 engine]
25	V	- [With 2.0L turbo gasoline engine]
25	W	- [With VR30 engine]
26	G	-
27	R	-
28	R	-
31	B	- [With VR30 engine]
31	BR	- [With 2.0L turbo gasoline engine]
32	B	-
33	B	-
34	LG	-
35	P	-
36	W	-
37	SB	-
38	LG	-
40	P	-
41	SB	-
42	BR	-
43	BG	-
44	BG	-
46	R	-
50	W	-
51	SB	-
52	V	-
53	LG	-
54	R	-
55	R	-
58	V	-
59	GR	-
60	G	-
61	G	-
62	BG	-
63	BR	-
64	Y	-
66	R	-
70	R	-
71	W	-
72	B	-
73	W	-
74	L	-
75	R	-
76	BR	-
77	B	-
78	SB	-
79	W	-
81	B	-
82	R	-
83	BG	-
84	L	-
85	R	-
86	B	-
88	G	-
89	V	-
91	GR	-
93	GR	-
94	GR	-
96	Y	-
98	BR	- [With VR30 engine and with BOSE system]
98	Y	- [Except with VR30 engine and with BOSE system]

Connector No.	B38
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



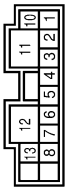
Terminal No.	Color Of Wire	Signal Name [Specification]
1G	GR	-
2G	W	-
3G	BR	-
5G	W	-
6G	GR	-

Connector No.	B52
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
4	B	- [With 2.0L turbo gasoline engine]
4	BR	- [With VR30 engine]
5	BR	- [With 2.0L turbo gasoline engine and with BOSE system]
5	Y	- [Except with 2.0L turbo gasoline engine and with BOSE system]
6	SHIELD	-
7	R	-
8	SHIELD	-
9	P	-
11	B	-
12	GR	-
13	G	-
14	B	-
15	W	-
16	BR	-

Connector No.	B53
Connector Name	BOSE AMP.
Connector Type	SGA12FBR-SJA2



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	SOUND SIGNAL REAR WOOFER LH (+)
2	L	SOUND SIGNAL REAR WOOFER LH (-)
3	L	SOUND SIGNAL DOOR WOOFER RH (+)
4	Y	SOUND SIGNAL DOOR WOOFER RH (-)

JRNWF7400GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

5	BR	SOUND SIGNAL REAR WOOFER RH (+)
6	R	SOUND SIGNAL REAR WOOFER RH (-)
7	B	GROUND
8	V	SOUND SIGNAL DOOR WOOFER LH (-)
10	BR	BATTERY POWER SUPPLY
11	GR	BATTERY POWER SUPPLY
12	B	GROUND
13	P	SOUND SIGNAL DOOR WOOFER LH (+)

Connector No.	B55
Connector Name	BOSE AMP.
Connector Type	TH40FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
43	W	FRONT MICROPHONE (RH) GROUND
44	R	VOICE GUIDANCE SIGNAL (-)
45	R	SOUND SIGNAL LH (-)
46	B	SOUND SIGNAL RH (-)
51	B	REAR MICROPHONE GROUND
52	R	FRONT MICROPHONE (LH) GROUND
54	LG	AV COMMUNICATION SIGNAL (L)
56	V	ACC POWER SUPPLY
63	BG	FRONT MICROPHONE (RH) SIGNAL
64	G	VOICE GUIDANCE SIGNAL (+)
65	L	SOUND SIGNAL LH (+)
66	W	SOUND SIGNAL RH (+)
71	R	REAR MICROPHONE SIGNAL
72	G	FRONT MICROPHONE (LH) SIGNAL
74	P	AV COMMUNICATION SIGNAL (H)
78	W	ENGINE SPEED SIGNAL
79	SHIELD	SHIELD

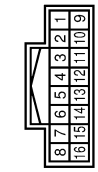
Connector No.	B54
Connector Name	BOSE AMP.
Connector Type	SCA19FBR-SG44

Terminal No.	Color Of Wire	Signal Name [Specification]
16	P	SOUND SIGNAL FRONT SQUAWKER LH (+)
17	BR	SOUND SIGNAL CENTER SQUAWKER (+)
18	GR	SOUND SIGNAL CENTER SQUAWKER (-)
19	W	SOUND SIGNAL DOOR SQUAWKER RH (+)
22	W	SOUND SIGNAL REAR SQUAWKER LH (+)
23	L	SOUND SIGNAL REAR SQUAWKER RH (+)
24	G	SOUND SIGNAL DOOR SQUAWKER LH (+)
28	B	ENGINE TYPE SIGNAL 2
29	V	SOUND SIGNAL FRONT SQUAWKER LH (-)
30	L	SOUND SIGNAL FRONT SQUAWKER RH (-)
31	P	SOUND SIGNAL FRONT SQUAWKER RH (+)
32	B	SOUND SIGNAL DOOR SQUAWKER RH (-)
33	B	SOUND SIGNAL REAR SQUAWKER LH (-)
34	P	SOUND SIGNAL REAR SQUAWKER RH (-)
35	R	SOUND SIGNALDOOR SQUAWKER LH (-)

Connector No.	B59
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS

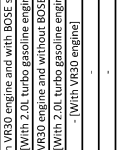
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	L	-
3	V	-
4	R	-
5	GR	-
6	V	-
7	L	-
9	P	-
10	GR	-
11	B	-
12	W	-
13	G	-
14	BR	-
15	P	-
16	P	-

Connector No.	B60
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
7	R	-
8	L	-
10	Y	-
11	SHIELD	-
12	B	-
13	W	-
14	R	-

Connector No.	B62
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [With 2.0L turbo gasoline engine and without BOSE System]
1	LG	- [With VR30 engine]
1	W	- [With 2.0L turbo gasoline engine and with BOSE system]
2	L	- [With VR30 engine]
2	SHIELD	- [With 2.0L turbo gasoline engine]
3	BR	- [With 2.0L turbo gasoline engine]
3	R	- [With VR30 engine and with BOSE system]
3	W	- [With VR30 engine and without BOSE system]
4	SHIELD	- [With VR30 engine]
4	Y	- [With 2.0L turbo gasoline engine]
5	G	- [With VR30 engine]
5	V	- [With 2.0L turbo gasoline engine]
6	BG	- [With VR30 engine]
6	BR	- [With 2.0L turbo gasoline engine]
7	B	- [With 2.0L turbo gasoline engine and with BOSE system]
7	BR	- [With VR30 engine and without BOSE system]
7	W	- [With VR30 engine and with BOSE system]
7	Y	- [With 2.0L turbo gasoline engine and without BOSE System]
8	B	- [With VR30 engine and with BOSE system]
8	G	- [With 2.0L turbo gasoline engine]
8	Y	- [With VR30 engine and without BOSE system]
9	LG	- [With 2.0L turbo gasoline engine]
9	SHIELD	- [With VR30 engine]
10	V	-
11	GR	-
12	Y	-
13	R	-
14	BG	-
15	BG	- [With 2.0L turbo gasoline engine]
15	GR	- [With VR30 engine]
16	V	-
17	P	-
18	L	-
19	G	-
20	GR	-
21	R	-

JRNWF7401GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

23	W	-
24	BG	- [With 2.0L turbo gasoline engine]
24	V	- [With VR30 engine]
25	L	- [With 2.0L turbo gasoline engine]
25	SB	- [With VR30 engine]
26	G	- [With VR30 engine]
26	W	- [With 2.0L turbo gasoline engine]
27	R	-
28	R	-
29	LG	-
30	LG	- [With 2.0L turbo gasoline engine]
30	P	- [With VR30 engine]
31	SHIELD	-
32	L	-
33	B	- [With VR30 engine]
33	LG	- [With 2.0L turbo gasoline engine]
34	SHIELD	-
35	LG	- [With VR30 engine]
35	W	- [With 2.0L turbo gasoline engine]
36	R	-
37	P	- [With 2.0L turbo gasoline engine and without BOSE system]
37	R	- [With VR30 engine]
37	W	- [With 2.0L turbo gasoline engine and with BOSE system]
38	L	- [With 2.0L turbo gasoline engine and without BOSE system]
38	W	- [Except with 2.0L turbo gasoline engine and without BOSE system]
39	P	- [With VR30 engine and without BOSE system]
39	R	- [With 2.0L turbo gasoline engine]
39	W	- [With VR30 engine and with BOSE system]
40	G	-
41	L	-
42	R	-
43	SHIELD	-
44	P	-
45	B	- [With 2.0L turbo gasoline engine]
45	G	- [With VR30 engine]
46	SHIELD	-
47	G	-
48	BG	- [Except with 2.0L turbo gasoline engine and without BOSE system]
48	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
49	G	-
51	GR	- [With 2.0L turbo gasoline engine]
51	L	- [With VR30 engine]
52	W	- [With 2.0L turbo gasoline engine]
52	Y	- [With VR30 engine]
53	R	-
54	GR	-
55	L	-
56	V	-
57	R	-
58	LG	-

59	P	-
60	BR	-
61	L	- [With 2.0L turbo gasoline engine]
61	R	- [With VR30 engine]
62	P	- [With VR30 engine]
62	V	- [With 2.0L turbo gasoline engine]
63	L	-
64	W	-
65	R	-
66	L	- [With 2.0L turbo gasoline engine]
66	LG	- [With VR30 engine]
67	G	-
68	L	-
69	P	-
71	GR	- [With 2.0L turbo gasoline engine]
71	R	- [With VR30 engine]
72	G	- [With VR30 engine]
72	Y	- [With 2.0L turbo gasoline engine]
73	R	- [With 2.0L turbo gasoline engine]
73	SHIELD	- [With VR30 engine]
74	BG	- [With 2.0L turbo gasoline engine]
74	L	- [With VR30 engine]
75	GR	- [With 2.0L turbo gasoline engine]
75	V	- [With VR30 engine]
76	GR	- [With VR30 engine]
76	V	- [With 2.0L turbo gasoline engine]
77	P	-
78	L	-
79	G	-
80	GR	- [With 2.0L turbo gasoline engine]
80	W	- [With VR30 engine]
81	B	- [With VR30 engine]
81	R	- [With 2.0L turbo gasoline engine]
82	G	- [With 2.0L turbo gasoline engine]
82	SHIELD	- [With VR30 engine]
83	R	- [With 2.0L turbo gasoline engine]
83	W	- [With VR30 engine]
84	BR	- [With VR30 engine]
84	SHIELD	- [With 2.0L turbo gasoline engine]
85	BG	- [With VR30 engine]
85	G	- [With 2.0L turbo gasoline engine]
86	R	-
87	LG	- [With VR30 engine]
87	SHIELD	- [With 2.0L turbo gasoline engine]
88	R	-
89	LG	-
90	P	-
92	L	- [With 2.0L turbo gasoline engine]
92	W	- [With VR30 engine]
93	SHIELD	-

94	R	-
95	L	- [With 2.0L turbo gasoline engine]
95	Y	- [With VR30 engine]
96	W	-
97	L	- [With VR30 engine]
97	R	- [With 2.0L turbo gasoline engine and with BOSE system]
97	W	- [With 2.0L turbo gasoline engine and without BOSE system]
99	BR	- [With VR30 engine and with BOSE system]
99	P	- [With 2.0L turbo gasoline engine]
99	Y	- [With VR30 engine and without BOSE system]
100	BR	- [With VR30 engine]
100	W	- [With 2.0L turbo gasoline engine]

Connector No.	B66
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	BG	-
4	SHIELD	-
5	W	-
6	GR	-
8	B	-
9	R	-
10	P	-
11	B	-
13	W	- [With rear view monitor]
13	SHIELD	- [With around view monitor]
14	B	- [With rear view monitor]
14	G	- [With around view monitor]
15	R	- [With around view monitor]
15	W	- [With rear view monitor]
16	B	- [With around view monitor]
16	R	- [With rear view monitor]

Connector No.	B116
Connector Name	JOINT CONNECTOR-B06
Connector Type	24342_4GM2A

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	L	-
3	L	-
4	L	-
5	L	-
6	L	-
7	R	-
8	R	- [With Gateway]
8	V	- [Without Gateway]
9	R	- [With Gateway]
9	V	- [Without Gateway]
10	V	-
11	V	-
12	P	- [With 2.0L turbo gasoline engine]
12	R	- [With VR30 engine]
13	SHIELD	-
14	SHIELD	-
15	SHIELD	-
16	SHIELD	-
17	SHIELD	-
18	SHIELD	-
19	L	-
20	L	-
21	L	-
22	R	-
23	R	-
24	R	-

JRNWF7402GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

Connector No.	B123
Connector Name	JOINT CONNECTOR-801
Connector Type	TK04FW-J

Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	-
2	SHIELD	-
3	B	- [With 2.0L turbo gasoline engine]
4	B	- [With VR30 engine]

18	LG	-
19	LG	-
20	LG	-

Connector No.	B166
Connector Name	REAR MICROPHONE (ACTIVE NOISE CANCELLATION)
Connector Type	TK02FBR

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	MIC_GND (Except with 2.0L turbo gasoline engine and without BOSE system)
1	W	MIC_GND (With 2.0L turbo gasoline engine and without BOSE system)
2	BG	MIC_SIG (With 2.0L turbo gasoline engine and without BOSE system)
2	R	MIC_SIG (Except with 2.0L turbo gasoline engine and without BOSE system)

Connector No.	B179
Connector Name	REAR WOOFER LH
Connector Type	NS02FW-LC

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	L	-

Connector No.	B180
Connector Name	REAR WOOFER RH
Connector Type	NS02FW-LC

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	R	-

Connector No.	B181
Connector Name	REAR SQUAWKER LH
Connector Type	TK02FBR

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	B	-

Connector No.	B182
Connector Name	REAR SQUAWKER RH
Connector Type	TK02FBR

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	P	-

Connector No.	D4
Connector Name	WIRE TO WIRE
Connector Type	NH60FW-TS12

Terminal No.	Color Of Wire	Signal Name [Specification]
6	V	-
8	G	-
9	GR	-
10	Y	-
11	SHIELD	-
12	BG	-
13	L	-
14	B	-
15	Y	-
16	GR	-
17	R	-
18	GR	-
19	R	-
20	W	-
21	LG	-
22	W	-
23	L	-
24	G	-

Connector No.	B127
Connector Name	JOINT CONNECTOR-803
Connector Type	NH20FG-DC

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	SHIELD	-
3	SHIELD	-
4	SHIELD	-
5	SHIELD	-
6	P	-
7	P	-
8	P	-
9	P	-
10	LG	-
11	LG	-
13	BG	-
14	BG	-
15	BG	-
17	LG	-

JRNWF7403GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

25	BR
27	BR
28	V
29	B
30	W
31	P
32	Y
33	BR
34	L
35	R
36	GR
37	G
38	R
39	B
40	LG
41	L
43	BG
44	Y
46	W
47	R
49	BR
50	B
52	V
53	GR
54	R
55	SB
56	BR
57	R
58	L
59	V
60	G
61	BG
62	Y
63	SB
64	B
65	Y
66	BR
68	Y
69	L
70	W
71	LG
72	P

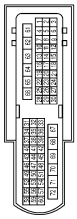
Connector No.	D11
Connector Name	DOOR SQUAWKER LH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	-
2	Y	-

Connector No.	D18
Connector Name	WIRE TO WIRE
Connector Type	NH60FW-TS12

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	P	-
5	BR	-
6	Y	-
8	W	-
9	L	-
10	L	-
11	GR	-
13	Y	-
16	R	-
17	B	-
18	W	-
19	B	-
20	G	-
21	SHIELD	-
22	GR	-
23	BG	-
24	B	-

25	BR
26	V
27	G
28	V
29	Y
30	R
38	R
39	B
49	LG
51	R
52	P
55	L
56	Y
57	R
58	SB
59	R
60	G
63	B
64	Y
65	BR
66	GR
69	W
70	L
71	BG
72	Y

Connector No.	D23
Connector Name	DOOR SQUAWKER RH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BG	-

Connector No.	D49
Connector Name	DOOR WOOFER LH
Connector Type	NS02FW-LC

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	L	-

Connector No.	D51
Connector Name	DOOR WOOFER RH
Connector Type	NS02FW-LC

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	L	-

JRNWF7404GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

Connector No.	D58
Connector Name	JOINT CONNECTOR-D01
Connector Type	NS06FW-J

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	Y	- [With BOSE system]
2	BR	- [Without BOSE system]
2	Y	- [With BOSE system]
3	BR	- [Without BOSE system]
3	Y	- [With BOSE system]
4	GR	- [Without BOSE system]
4	L	- [With BOSE system]
5	GR	- [Without BOSE system]
5	L	- [With BOSE system]
6	GR	- [Without BOSE system]
6	L	- [With BOSE system]

Connector No.	D59
Connector Name	JOINT CONNECTOR-D02
Connector Type	NS06FW-J

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	L	- [With BOSE system]
2	BR	- [Without BOSE system]
2	L	- [With BOSE system]
3	BR	- [Without BOSE system]
3	L	- [With BOSE system]
4	GR	- [Without BOSE system]
4	W	- [With BOSE system]
5	GR	- [Without BOSE system]
5	W	- [With BOSE system]
6	GR	- [Without BOSE system]
6	W	- [With BOSE system]

Connector No.	D60
Connector Name	TWEETER LH
Connector Type	TK02FBR

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	Y	- [With BOSE system]
2	GR	- [Without BOSE system]
2	L	- [With BOSE system]

Connector No.	D61
Connector Name	TWEETER RH
Connector Type	TK02FBR

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	W	- [With BOSE system]
2	GR	- [Without BOSE system]
2	L	- [With BOSE system]

Connector No.	E22
Connector Name	CHASSIS CONTROL MODULE
Connector Type	TH24FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
3	P	CAN-L [Without Gateway]
3	R	CAN-L [With Gateway]
4	L	CAN-H
5	V	DRIVE MODE SELECT SWITCH (UP) [With VR30 engine]
5	Y	DRIVE MODE SELECT SWITCH (UP) [With 2.0L turbo gasoline engine]
6	G	DRIVE MODE SELECT SW (DOWN) [With 2.0L turbo gasoline engine]
6	Y	DRIVE MODE SELECT SW (DOWN) [With VR30 engine]
7	W	CHASSIS COMMUNICATION-L
8	W	CHASSIS COMMUNICATION-L
10	BG	IGNITION POWER SUPPLY [With 2.0L turbo gasoline engine]
10	G	IGNITION POWER SUPPLY [With VR30 engine]
11	L	CHASSIS COMMUNICATION-H
12	B	GROUND [With VR30 engine]
12	B/W	GROUND [With 2.0L turbo gasoline engine]
19	BR	CHASSIS COMMUNICATION-H [With VR30 engine]
19	L	CHASSIS COMMUNICATION-H [With 2.0L turbo gasoline engine]
23	G	ESS RELAY [With VR30 engine]
23	R	ESS RELAY [With 2.0L turbo gasoline engine]

Connector No.	E35
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	SAZ30FB-SJ24-U

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	B	GROUND
3	G	VALVE BATTERY [With VR30 engine]
3	P	VALVE BATTERY [With 2.0L turbo gasoline engine]
4	Y	MOTOR BATTERY
5	LG	STOP LAMP SW SIGNAL [With ADAS]
5	V	STOP LAMP SW SIGNAL [With ASCD]
7	GR	RR LH WHEEL SENSOR SIGNAL
8	G	RR LH WHEEL SENSOR POWER SUPPLY
9	BR	FR RH WHEEL SENSOR SIGNAL
10	GR	FR RH WHEEL SENSOR POWER SUPPLY
13	R	VACUUM SENSOR SIGNAL
15	P	CAN-L [Without Gateway]
15	R	CAN-L [With Gateway]
17	Y	RR RH WHEEL SENSOR SIGNAL
18	LG	RR RH WHEEL SENSOR POWER SUPPLY [With VR30 engine]
18	V	RR RH WHEEL SENSOR POWER SUPPLY [With 2.0L turbo gasoline engine]
19	SB	FR LH WHEEL SENSOR SIGNAL
20	BG	FR LH WHEEL SENSOR POWER SUPPLY
25	L	CAN-H
28	G	VACUUM SENSOR POWER SUPPLY
30	R	VDC OFF SW SIGNAL
32	SHIELD	VACUUM SENSOR GROUND
34	G	IGN

Connector No.	E47
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH

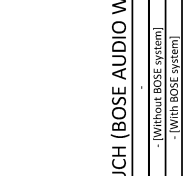
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	V	-
3	L	-
4	P	- [Without Gateway]
4	R	- [With Gateway]
5	W	-
6	SB	-
7	BR	-

JRNWF7405GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

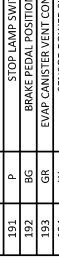
8	W	-
9	BG	- [Without BOSE system]
9	V	- [With BOSE system]
10	V	-
11	SB	-
12	G	-
13	G	-
15	BR	-
16	P	-
17	SHIELD	-
18	L	-
19	Y	-
20	W	-
21	G	-
22	R	-
23	BR	-
26	BG	-
27	LG	-
28	BR	-
29	W	-
30	Y	-
31	G	-
32	LG	-

Connector No.	E152
Connector Name	ECM
Connector Type	RH24FB-RZ8-L-RH



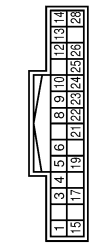
Terminal No.	Color Of Wire	Signal Name [Specification]
173	SB	FUEL TANK PRESSURE SENSOR
175	P	CAN-L
176	L	CAN-H
177	G	SENSOR POWER SUPPLY [FUEL TANK PRESSURE SENSOR]
178	V	TACHO METER SIGNAL
180	P	FUEL TANK TEMPERATURE SENSOR
182	W	FUEL PUMP CONTROL MODULE [FPCM] CHECK
185	SB	IGNITION SWITCH
186	SB	ASCD STEERING SWITCH
187	BG	SENSOR GROUND [ASCD STEERING SWITCH]
188	Y	FUEL PUMP CONTROL MODULE [FPCM]
189	Y	ENGINE COMMUNICATION LINE-L
190	L	ENGINE COMMUNICATION LINE-H
191	P	STOP LAMP SWITCH
192	BG	BRAKE PEDAL POSITION SWITCH
193	GR	EVAP CANISTER VENT CONTROL VALVE
194	W	SENSOR POWER SUPPLY
195	BR	ACCELERATOR PEDAL POSITION SENSOR 2
196	R	SENSOR GROUND [ACCELERATOR PEDAL POSITION SENSOR 2]
197	R	ECM POWER SUPPLY
198	L	SENSOR POWER SUPPLY
199	B	ECM GROUND
200	V	SENSOR GROUND
201	B	ECM GROUND
202	Y	ACCELERATOR PEDAL POSITION SENSOR 1
203	G	SENSOR GROUND
204	B	ECM GROUND

Connector No.	E172
Connector Name	JOINT CONNECTOR-E01
Connector Type	SGA28FLBR-J



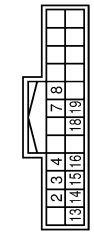
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	Y	-
3	W	-
4	L	-
5	GR	-
6	Y	-
7	W	-
8	L	-
9	GR	-
10	Y	-
11	W	-
12	L	-
15	W	-
16	BG	-
17	P	-
18	L	-
19	W	-
20	BG	-
21	P	-
22	L	-
23	SB	-
24	LG	-
25	P	-
26	L	-

Connector No.	E219
Connector Name	CHASSIS CONTROL MODULE
Connector Type	TH28FW



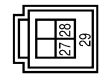
Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	ACTUATOR [FL]-L
3	BR	ACTUATOR [RR]-H
4	BG	IGNITION POWER SUPPLY
5	W	CHASSIS COMMUNICATION-L
6	B	GROUND
8	BR	CHASSIS COMMUNICATION-H
9	Y	DRIVE MODE SELECT SW [DOWN]
10	L	CAN-H
12	G	ACTUATOR [FR]-H
13	G	ESS RELAY
14	L	ACTUATOR [RL]-L
15	Y	ACTUATOR [RR]-L
17	V	ACTUATOR [FL]-H
19	L	CHASSIS COMMUNICATION-H
21	W	CHASSIS COMMUNICATION-L
22	V	DRIVE MODE SELECT SWITCH [UP]
23	B	GROUND
24	P	CAN-L [Without Gateway]
24	R	CAN-L [With Gateway]
25	G	IGNITION POWER SUPPLY
26	V	ACTUATOR [RL]-H
28	R	ACTUATOR [FR]-L

Connector No.	M1
Connector Name	INTEGRAL SWITCH
Connector Type	TH24FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
2	R	ILLUMINATION SIGNAL
3	LG	AV COMMUNICATION SIGNAL (L)
4	SB	AV COMMUNICATION SIGNAL (H)
7	W/B	DISK EJECT SIGNAL
8	G	HAZARD SIGNAL
13	B	GROUND
14	SB	ACC POWER SUPPLY [With 2.0L turbo gasoline engine]
14	V	ACC POWER SUPPLY [With VR30 engine]
15	B	ILLUMINATION CONTROL SIGNAL
16	BG	DISK EJECT SIGNAL GROUND
18	R	IGNITION SIGNAL [With VR30 engine]
18	W	IGNITION SIGNAL [With 2.0L turbo gasoline engine]
19	BR	CAMERA SWITCH SIGNAL

Connector No.	M2
Connector Name	INTEGRAL SWITCH
Connector Type	Tyco_1554987-6



Terminal No.	Color Of Wire	Signal Name [Specification]
27	W	LVDS (+)
28	B	LVDS (-)
29	SHIELD	SHIELD

JRNWF7406GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

Connector No.	M3
Connector Name	INTEGRAL SWITCH
Connector Type	TH12FW-NH

H.S.

30 31 32 33 34
36 37 38 39 40 41

Terminal No.	Color Of Wire	Signal Name [Specification]
30	BR	ILLUMINATION SIGNAL (MULTIFUNCTION SWITCH)
31	W	GROUND (MULTIFUNCTION SWITCH)
32	R	ENCD-B SIGNAL
33	R	PUSH SWITCH A SIGNAL
34	W	PUSH SWITCH C SIGNAL
36	V	ILLUMINATION CONTROL SIGNAL (MULTIFUNCTION SWITCH)
37	W	ENCD-A SIGNAL
38	G	SELECT SWITCH SIGNAL
39	B	PUSH SWITCH B SIGNAL
40	B	SHIELD
41	L	L/R DETECTION SIGNAL

Connector No.	M14
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
48	R	PUSH-BTN IGN SW ILL PWR
52	G	DONGLE LINK
54	V	COMM LINE
55	R	RAIN SENSOR
59	P	CAN-L
60	L	CAN-H
61	G	REAR WINDOW DEF RLY CONT
62	R	STARTER RLY CONT
64	V	I-KEY WARN BUZZER
65	B	OUTS HD LAMP CONT
66	B	BLOWER FAN RLY CONT [With VR30 engine]
66	Y	BLOWER FAN RLY CONT [With 2.0L turbo gasoline engine]
67	W/B	IGN RLYAY (F/B) CONT
68	R	DIMMER
69	GR	A/T SHIFT SELECT PWR SPLY
70	B	IGN RLYAY (IPDM E/R) CONT
71	G	DR DOOR REQ SW
72	SB	PASS DOOR REQ SW
75	BR	COMBI SW INPUT 5
76	BG	COMBI SW INPUT 4
77	V	COMBI SW INPUT 3
78	Y	COMBI SW INPUT 2
79	LG	COMBI SW INPUT 1
80	L	TR LID OPNR SW

Connector No.	M19
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	SB	-
5	Y	-
7	W	-
10	BG	-
11	BR	-
12	LG	-
13	GR	-
14	R	-
15	L	-
16	V	-
18	W	-
19	BR	-
20	W	-
24	R	- [With 2.0L turbo gasoline engine]
24	Y	- [With VR30 engine]
25	P	- [With 2.0L turbo gasoline engine]
25	W	- [With VR30 engine]
26	G	-
27	R	-
28	R	-
31	BR	-
32	B	-
33	B	-
34	V	-
35	P	-
36	W	-
37	SB	-
38	LG	-
40	P	-
41	G	-
42	BR	-
43	BR	-
44	BR	-
46	BG	-
50	W	-
51	Y	-
52	V	-
53	LG	-
54	R	-
55	R	-
58	V	-
59	BG	-
60	G	-
61	G	-
62	BG	-
63	BR	-
64	Y	-
66	R	-
70	LG	-
71	W	-
72	B	-
73	W	-
74	L	-
75	W	-
76	BR	-
77	B	-
78	SB	-
79	W	-
81	B	-
82	R	-
83	BG	-
84	L	-
85	W	-
86	B	-
88	G	-
89	V	-
91	GR	-
93	GR	-
94	GR	-
96	W	-
98	BR	- [With VR30 engine and with BOSE system]
98	Y	- [Except with VR30 engine and with BOSE system]

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH

H.S.

1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16

Terminal No.	Color Of Wire	Signal Name [Specification]
7	W	-
8	L	-
10	Y	-
11	SHIELD	-
12	B	-
13	W	-
14	R	-

Connector No.	M22
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

H.S.

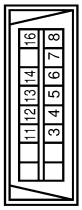
Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	L	- [With VR30 engine]
2	SHIELD	- [With 2.0L turbo gasoline engine]
3	BR	- [With 2.0L turbo gasoline engine]
3	R	- [With VR30 engine]
4	SHIELD	- [With VR30 engine]

JRNWF7407GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

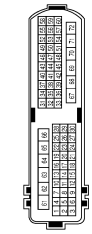
4	Y	- [With 2.0L turbo gasoline engine]
5	G	- [With VR30 engine]
5	V	- [With 2.0L turbo gasoline engine]
6	BG	- [With VR30 engine]
6	BR	- [With 2.0L turbo gasoline engine]
7	LG	- [With VR30 engine]
7	P	- [With 2.0L turbo gasoline engine]
8	G	- [With 2.0L turbo gasoline engine]
8	P	- [With VR30 engine]
9	LG	- [With 2.0L turbo gasoline engine]
9	SHIELD	- [With VR30 engine]
10	V	-
11	GR	-
12	V	-
13	LG	-
14	LG	- [With VR30 engine]
15	BR	- [With 2.0L turbo gasoline engine]
15	P	- [With VR30 engine]
16	SB	- [Without DCM]
16	V	-
17	Y	-
18	L	-
19	G	-
20	GR	-
21	R	-
23	L	-
24	BG	- [With 2.0L turbo gasoline engine]
24	V	- [With VR30 engine]
25	L	- [With 2.0L turbo gasoline engine]
25	SB	- [With VR30 engine]
26	G	- [With VR30 engine]
26	W	- [With 2.0L turbo gasoline engine]
27	R	-
28	R	-
29	LG	-
30	SB	- [With VR30 engine]
30	W	- [With 2.0L turbo gasoline engine]
31	SHIELD	-
32	L	-
33	B	- [With VR30 engine]
33	LG	- [With 2.0L turbo gasoline engine]
34	SHIELD	- [With VR30 engine]
35	LG	- [With 2.0L turbo gasoline engine]
35	W	- [With 2.0L turbo gasoline engine]
36	R	-
37	R	- [With VR30 engine]
37	V	- [With 2.0L turbo gasoline engine]
38	L	[With 2.0L turbo gasoline engine and without BOSE system]
38	W	[Except with 2.0L turbo gasoline engine and without BOSE system]
39	P	- [With VR30 engine and without BOSE system]
39	R	- [With 2.0L turbo gasoline engine]
39	V	- [With VR30 engine and with BOSE system]
40	G	-
41	L	-
42	R	-
43	SHIELD	-
44	P	-
45	B	- [With 2.0L turbo gasoline engine]
45	G	- [With VR30 engine]
46	SHIELD	-
47	G	-
48	BG	- [With VR30 engine and with BOSE system]
48	BR	- [With VR30 engine]
48	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
49	G	-
51	L	- [With VR30 engine]
51	V	- [With 2.0L turbo gasoline engine]
52	L	- [With 2.0L turbo gasoline engine]
52	Y	- [With VR30 engine]
53	R	-
54	GR	-
55	L	-
56	P	-
57	R	-
58	LG	-
59	SB	-
60	BR	-
61	L	- [With 2.0L turbo gasoline engine]
61	R	- [With VR30 engine]
62	P	- [With 2.0L turbo gasoline engine]
62	V	- [With VR30 engine]
63	L	-
64	W	-
65	R	-
66	L	- [With 2.0L turbo gasoline engine]
66	R	- [With VR30 engine]
67	G	-
68	L	-
69	P	-
71	GR	- [With 2.0L turbo gasoline engine]
71	R	- [With VR30 engine]
72	G	- [With VR30 engine]
72	V	- [With 2.0L turbo gasoline engine]
73	LG	- [With 2.0L turbo gasoline engine]
73	SHIELD	- [With VR30 engine]
74	L	- [With VR30 engine]
74	LG	- [With 2.0L turbo gasoline engine]
75	P	-
76	SB	- [With 2.0L turbo gasoline engine]
76	V	- [With VR30 engine]
77	Y	-
78	L	-
79	G	-
80	GR	- [With 2.0L turbo gasoline engine]
80	W	- [With VR30 engine]
81	B	- [With VR30 engine]
81	R	- [With 2.0L turbo gasoline engine]
82	G	- [With 2.0L turbo gasoline engine]
82	SHIELD	- [With VR30 engine]
83	R	- [With 2.0L turbo gasoline engine]
83	W	- [With VR30 engine]
84	BR	- [With VR30 engine]
84	SHIELD	- [With 2.0L turbo gasoline engine]
85	BR	- [With VR30 engine]
85	G	- [With 2.0L turbo gasoline engine]
86	R	-
87	LG	- [With VR30 engine]
87	SHIELD	- [With 2.0L turbo gasoline engine]
88	R	-
89	LG	-
90	SB	-
92	L	- [With 2.0L turbo gasoline engine]
92	W	- [With VR30 engine]
93	SHIELD	-
94	R	-
95	L	- [With 2.0L turbo gasoline engine]
95	Y	- [With VR30 engine]
96	W	-
97	L	- [With VR30 engine]
97	R	- [With 2.0L turbo gasoline engine]
99	BR	[With VR30 engine and with BOSE system]
99	P	- [With 2.0L turbo gasoline engine]
99	Y	[With VR30 engine and without BOSE system]
100	BR	- [With VR30 engine]
100	W	- [With 2.0L turbo gasoline engine]

Connector No.	M25
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	M_CAN_L
4	B	EARTH
5	B	EARTH
6	L	CAN-H
7	V	KLINE [With 2.0L turbo gasoline engine]
7	W	KLINE [With VR30 engine]
8	W	IGN_SW
11	SB	M_CAN_H
12	R	CAN-L
13	L	CAN-H
14	P	CAN-L
16	W	POWER

Connector No.	M33
Connector Name	WIRE TO WIRE
Connector Type	NH60MW-TS12



Terminal No.	Color Of Wire	Signal Name [Specification]
6	R	-
8	GR	-
9	GR	-
10	W	-
11	SHIELD	-
12	P	-
13	SB	-
14	LG	-

JRNWF7408GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

15	Y	-
16	Y	-
17	P	-
18	W/B	-
19	LG	- [With DRPO]
19	Y	- [Without DRPO]
20	V	-
21	B	-
22	BG	- [Without DRPO]
22	G	- [With DRPO]
23	L	-
24	Y	-
25	BG	- [Without DRPO]
25	L	- [With DRPO]
27	GR	-
28	V	-
29	B	-
30	W	-
31	B	-
32	SB	-
33	L	-
34	BR	-
35	LG	-
36	W	-
37	B	-
38	R	-
39	B	-
40	P	-
41	SB	-
43	W	- [With 2.0L turbo gasoline engine]
43	Y	- [With VR30 engine]
44	BG	-
46	BR	-
47	G	-
49	V	-
50	B	-
52	BR	-
53	B	-
54	L	-
55	BG	-
56	LG	-
57	V	-
58	R	-
59	G	-
60	L	-
61	G	-
62	R	-
63	V	-
64	B	-
65	R	-
66	BR	-
68	P	-
69	V	-
70	W	-
71	LG	-
72	V	-

Connector No.	M34
Connector Name	WIRE TO WIRE
Connector Type	NH60MW-TS12

Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	R	-
5	L	-
6	R	-
8	W	-
9	GR	-
10	V	-
11	Y	-
13	LG	-
16	G	-
17	B	-
18	W	-
19	B	- [With DRPO]
20	SB	- [Without DRPO]
20	Y	- [With DRPO]
21	SHIELD	-
22	B	-
23	BG	- [Without DRPO]
23	P	- [With DRPO]
24	G	-
25	LG	-
26	BG	- [Without DRPO]
26	BR	- [With DRPO]
27	R	-
28	SB	-
29	BG	- [Without DRPO]
29	W/B	- [With DRPO]
30	L	-

38	R	-
39	B	-
49	P	-
51	V	-
52	V	-
55	B	-
56	SB	-
57	G	-
58	G	-
59	LG	-
60	R	-
63	B	-
64	R	-
65	BR	-
66	Y	-
69	BR	-
70	Y	-
71	SB	-
72	W	-

Connector No.	M39
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W/B	-
2	SB	-
3	L	-
4	P	- [Without Gateway]
4	R	- [With Gateway]
5	BR	-
6	SB	-
7	L	-
8	W	-
9	P	- [Without BOSE system]
9	V	- [With BOSE system]
10	V	-
11	SB	-
12	G	-
13	G	-

15	R	-
16	SB	-
17	SHIELD	-
18	W	-
19	Y	-
20	L	-
21	G	-
22	R	-
23	BR	-
26	Y	-
27	LG	-
28	BR	-
29	W/B	-
30	Y	-
31	W	-
32	LG	-

Connector No.	M55
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH12FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	ILL
2	W	GND
3	R	ENCD-B SIGNAL
4	R	PUSH SWITCH A SIGNAL
5	W	PUSH SWITCH C SIGNAL
7	V	ILLUMINATION CONTROL SIGNAL
8	W	ENCD-A SIGNAL
9	G	SELECT SWITCH SIGNAL
10	B	PUSH SWITCH B SIGNAL
11	B	SHIELD
12	L	L/R DETECTION SIGNAL

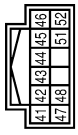
JRNWF7409GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

Connector No.	M57
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH

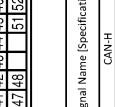
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
6	GR	STOP/START OFF SWITCH INDICATOR SIGNAL
7	G	SECURITY SIGNAL
8	B	-
11	W	ALTERNATOR SIGNAL
14	V	ACC POWER SUPPLY
16	V	AIR BAG SIGNAL
17	BR	METER CONTROL SWITCH GROUND
18	SB	TRIP/RESET SIGNAL
21	B	STEERING SWITCH SIGNAL GROUND
22	P	STEERING SWITCH SIGNAL A
23	W/B	STEERING SWITCH SIGNAL B
24	L	WASHER LEVEL SWITCH SIGNAL
25	LG	BRAKE FLUID LEVEL SWITCH SIGNAL
26	V	PARKING BRAKE SWITCH SIGNAL
27	G	PASSENGER SEAT BELT WARNING SIGNAL
28	W	SEAT BELT BUCKLE SWITCH SIGNAL [DRIVER SIDE]
30	G	MANUAL MODE SIGNAL [With 2.0L turbo gasoline engine models]
30	SB	MANUAL MODE SIGNAL [With VR30DDTT engine models]
31	G	NON-MANUAL MODE SIGNAL [With VR30DDTT engine models]
31	L	NON-MANUAL MODE SIGNAL [With 2.0L turbo gasoline engine models]
32	BG	MANUAL MODE SHIFT UP SIGNAL
33	GR	MANUAL MODE SHIFT DOWN SIGNAL [With VR30DDTT engine models]
33	P	MANUAL MODE SHIFT DOWN SIGNAL [With 2.0L turbo gasoline engine models]
34	BG	PADDLE SHIFTER UP SWITCH SIGNAL
35	G	PADDLE SHIFTER DOWN SWITCH SIGNAL
36	V	ILLUMINATION CONTROL SWITCH SIGNAL (+)
37	GR	ILLUMINATION CONTROL SWITCH SIGNAL (-)
38	R	VEHICLE SPEED SIGNAL (8-PULSE)

Connector No.	M58
Connector Name	COMBINATION METER
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
41	L	CAN-H
42	P	CAN-L
43	B	ILLUMINATION CONTROL SIGNAL
44	Y	FUEL LEVEL SENSOR GROUND
45	W	BATTERY POWER SUPPLY
46	BG	IGNITION SIGNAL [With 2.0L turbo gasoline engine models]
46	R	IGNITION SIGNAL [With VR30DDTT engine models]
47	SB	AV COMMUNICATION SIGNAL (H)
48	LG	AV COMMUNICATION SIGNAL (L)
51	BR	FUEL LEVEL SENSOR SIGNAL
52	B	GROUND

Connector No.	M87
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FGY-1V



Terminal No.	Color Of Wire	Signal Name [Specification]
24	P	-
25	SB	-
31	W/B	-
32	Y	-
33	B	-

Connector No.	M92
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BR	-
3	V	-
4	R	-
5	GR	-
6	V	-
7	L	-
9	P	-
10	GR	-
11	SB	-
12	W	-
13	G	-
14	BR	-
15	P	-
16	LG	-

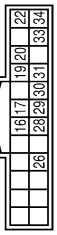
Connector No.	M96
Connector Name	CENTER SQUAWKER
Connector Type	TK02FBR

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	GR	-

Connector No.	M98
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-5

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	USB GROUND
2	W	USB V BUS SIGNAL
3	R	USB D- SIGNAL
4	L	USB D+ SIGNAL
5	SHIELD	SHIELD

Connector No.	M100
Connector Name	DISPLAY CONTROL UNIT
Connector Type	TH24FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
16	LG	AV COMMUNICATION SIGNAL (L)
17	P	CAN-L
19	R	DIMMER SIGNAL
20	BR	REVERSE SIGNAL
22	B	GROUND
26	BR	CAMERA SWITCH SIGNAL
28	SB	AV COMMUNICATION SIGNAL (H)
29	L	CAN-H
30	R	IGNITION SIGNAL [With VR30 engine]
30	W	IGNITION SIGNAL [With 2.0L turbo gasoline engine]
31	R	VEHICLE SPEED SIGNAL (8-PULSE)
33	SB	ACC POWER SUPPLY
34	Y	BATTERY POWER SUPPLY

JRNWF7410GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

Connector No.	M101
Connector Name	DISPLAY CONTROL UNIT
Connector Type	TH40FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
36	LG	COMPOSITE IMAGE SIGNAL (-)
38	SHIELD	SHIELD
40	SHIELD	MANUFACTURER SPECIFIC SIGNAL
42	G	SOUND SIGNAL RH (-)
43	SHIELD	SHIELD
44	L	SOUND SIGNAL LH (-)
45	W	TEL VOICE SIGNAL (-)
46	SHIELD	SHIELD
47	R	VOICE GUIDANCE SIGNAL OUTPUT (-)
48	B	VOICE GUIDANCE SIGNAL INPUT (-)
49	W	NS ON/OFF SIGNAL
50	R	MICROPHONE SIGNAL GROUND [WITH NAVIGATION]
51	SHIELD	SHIELD
52	SHIELD	MICROPHONE SIGNAL GROUND
54	W	CAMERA POWER SUPPLY GROUND
55	SHIELD	SHIELD
56	BR	COMPOSITE IMAGE SIGNAL (+)
58	B	CAMERA IMAGE SIGNAL
60	W	SOUND SIGNAL (-)
61	B	SOUND SIGNAL (+)
62	R	SOUND SIGNAL RH (+)
63	SHIELD	SHIELD
64	V	SOUND SIGNAL LH (+)
65	B	TEL VOICE SIGNAL (+)
66	SHIELD	SHIELD
67	G	VOICE GUIDANCE SIGNAL OUTPUT (+)
68	W	VOICE GUIDANCE SIGNAL INPUT (+)
69	SHIELD	SHIELD
70	G	MICROPHONE SIGNAL [NAVI]
71	G	MICROPHONE SIGNAL [Without telematics system]
71	R	MICROPHONE SIGNAL [With telematics system]
72	L	MICROPHONE VCC
74	R	CAMERA POWER SUPPLY

Connector No.	M103
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-1

Terminal No.	Color Of Wire	Signal Name [Specification]
80	G	USB GROUND
81	W	USB V BUS SIGNAL
82	R	USB D- SIGNAL
83	L	USB D+ SIGNAL
84	SHIELD	SHIELD

Connector No.	M105
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-6

Terminal No.	Color Of Wire	Signal Name [Specification]
92	W	LVDS (+)
93	B	LVDS (-)
94	SHIELD	SHIELD

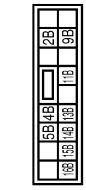
Connector No.	M112
Connector Name	FRONT SQUAWKER RH
Connector Type	TK02FBR

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	L	-

Connector No.	M115
Connector Name	FRONT SQUAWKER LH
Connector Type	TK02FBR

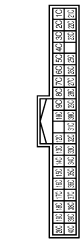
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	V	-

Connector No.	M132
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
11B	LG	-
13B	P	-
14B	G	-
15B	Y	-
16B	Y	-
2B	B	-
4B	W	-
5B	R	-
9B	Y	-

Connector No.	M133
Connector Name	FUSE BLOCK (J/B)
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
10C	V	-
12C	L	-
13C	L	-
14C	Y	-
15C	R	-
16C	R	-
17C	L	-
18C	BG	- [Without DRPO]
18C	P	- [With DRPO]
19C	B	-
1C	R	-

JRNWF7411GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

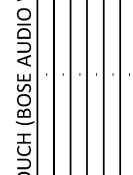
20C	W	-
21C	L	-
22C	L	-
23C	L	-
25C	LG	-
26C	SB	-
27C	P	-
28C	W	-
29C	W	-
2C	R	-
30C	R	-
31C	W	-
32C	R	-
33C	B	- [With VR30 engine]
33C	R	- [With 2.0L turbo gasoline engine]
34C	W/B	-
35C	SB	-
36C	R	-
37C	W	-
38C	SB	-
39C	V	-
3C	P	-
40C	G	-
4C	P	-
5C	P	-
6C	G	-
7C	G	-
8C	G	-
9C	V	-

6	B	-
9	LG	-
10	LG	-
11	LG	-
13	B	- [With VR30 engine]
13	SB	- [With 2.0L turbo gasoline engine]
14	B	- [With VR30 engine]
14	SB	- [With 2.0L turbo gasoline engine]
15	B	- [With VR30 engine]
15	SB	- [With 2.0L turbo gasoline engine]
16	SB	- [With 2.0L turbo gasoline engine]
16	Y	- [With VR30 engine]
17	SB	- [With 2.0L turbo gasoline engine]
17	Y	- [With VR30 engine]
18	SB	- [With 2.0L turbo gasoline engine]
18	Y	- [With VR30 engine]
19	SHIELD	-
20	R	-
21	R	-
22	SHIELD	-
23	L	-
24	L	-

14	Y	- [With 2.0L turbo gasoline engine]
15	B	-
17	B	-
19	R	-
20	BG	With 2.0L turbo gasoline engine and with VQ35DE power unit with engine auto stop & start system and BOSE system
20	BR	- [With VR30 engine and with BOSE system]
20	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
21	R	-
22	G	-
24	B	-
25	W	-
26	R	-
28	B	-
29	G	-
30	L	-
31	R	-
32	W	-
33	L	-
36	V	-
38	LG	-
40	L	- [With 2.0L turbo gasoline engine and without BOSE system]
40	W	- [Except with 2.0L turbo gasoline engine and without BOSE system]

Connector No.	M135
Connector Name	JOINT CONNECTOR-M09
Connector Type	24342_4GA2A

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-
4	B	-
5	B	-

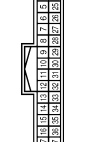
Connector No.	M142
Connector Name	EXTERNAL DATA INPUT BOX
Connector Type	GT17VS-10DS-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	USB D+ SIGNAL
2	W	USB V BUS SIGNAL
3	R	USB D- SIGNAL
4	G	USB GND
7	G	USB GND
8	R	USB D- SIGNAL
9	W	USB V BUS SIGNAL
10	L	USB D+ SIGNAL
11	SHIELD	SHIELD

Connector No.	M143
Connector Name	EXTERNAL DATA INPUT BOX
Connector Type	TH12FW-NH

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
12	W	AUX SOUND SIGNAL LH
13	R	AUX_AUDIO-
14	B	AUX SOUND SIGNAL RH
16	B	GND
17	Y	BAT
20	L	AUX IMAGE SIGNAL (+)
21	V	AUX IMAGE SIGNAL (-)
22	SB	ACC

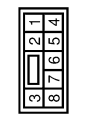
Connector No.	M159
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	BR	-
4	R	-
5	GR	-
6	W	-
9	SHIELD	-
10	W	-
11	R	-
12	L	-
13	G	-
14	W	- [With VR30 engine]

Connector No.	M160
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS

H.S.

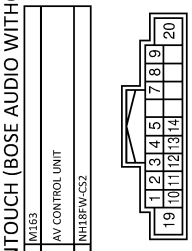


Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	LG	-
3	BR	-
4	R	-
6	B	-
7	R	-
8	V	-

JRNWF7412GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

Connector No.	M163
Connector Name	AV CONTROL UNIT
Connector Type	NH18FW-CS2

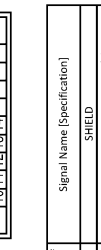


Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	SHIELD
2	L	SOUND SIGNAL FRONT LH (+)
3	R	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (+)
5	SB	SOUND SIGNAL REAR LH (-)
7	SB	ACC POWER SUPPLY
8	W/B	DISK EJECT SIGNAL
9	BG	DISK EJECT SIGNAL GROUND
10	SHIELD	SHIELD
11	LG	SOUND SIGNAL FRONT RH (+)
12	P	SOUND SIGNAL FRONT RH (-)
13	L	SOUND SIGNAL REAR RH (+)
14	P	SOUND SIGNAL REAR RH (-)
19	Y	BATTERY POWER SUPPLY
20	B	GROUND

Connector No.	M164
Connector Name	AV CONTROL UNIT
Connector Type	TH40FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
22	LG	AV COMMUNICATION SIGNAL (L)
36	L	AUX IMAGE SIGNAL (+)
38	BR	COMPOSITE IMAGE SIGNAL (+)
39	LG	COMPOSITE IMAGE SIGNAL (-)
40	SHIELD	SHIELD
42	SB	AV COMMUNICATION SIGNAL (H)
56	V	AUX IMAGE SIGNAL (-)
57	SHIELD	SHIELD

Connector No.	M165
Connector Name	AV CONTROL UNIT
Connector Type	TH12FW-NH

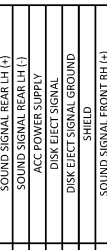


Terminal No.	Color Of Wire	Signal Name [Specification]
61	V	SOUND SIGNAL LH (+)
62	R	SOUND SIGNAL RH (+)
63	SHIELD	SHIELD
65	SHIELD	SHIELD
66	W	AUX SOUND SIGNAL LH
67	L	SOUND SIGNAL LH (-)
68	G	SOUND SIGNAL RH (-)
69	SHIELD	SHIELD
71	R	AUX SOUND SIGNAL GROUND
72	B	AUX SOUND SIGNAL RH

Connector No.	M166
Connector Name	AV CONTROL UNIT
Connector Type	TH16FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
73	B	TEL VOICE SIGNAL (+)
74	SHIELD	SHIELD
75	G	VOICE GUIDANCE SIGNAL OUTPUT (+)
76	B	SHIELD
77	G	SOUND SIGNAL FRONT LH (+)
78	L	SOUND SIGNAL FRONT LH (-)
79	LG	SOUND SIGNAL REAR LH (+)
80	P	SOUND SIGNAL REAR LH (-)
81	W	TEL VOICE SIGNAL (-)
82	SHIELD	SHIELD
83	R	VOICE GUIDANCE SIGNAL OUTPUT (-)
84	B	SHIELD
85	R	SOUND SIGNAL FRONT RH (+)
86	L	SOUND SIGNAL FRONT RH (-)
87	B	SOUND SIGNAL REAR RH (+)
88	W	SOUND SIGNAL REAR RH (-)

Connector No.	M167
Connector Name	AV CONTROL UNIT
Connector Type	Tyco_1554987-1

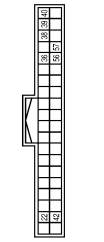


Terminal No.	Color Of Wire	Signal Name [Specification]
89	G	USB GROUND
90	W	USB V BUS SIGNAL
91	R	USB D- SIGNAL
92	L	USB D+ SIGNAL
93	SHIELD	SHIELD

Connector No.	M171
Connector Name	JOINT CONNECTOR-M01
Connector Type	24342_4GA2A

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-
4	B	-
5	B	-
6	B	-
7	B	-
8	B	-
9	B	-
10	G	-
11	G	-
13	B	-
14	B	-
15	B	-
16	SB	- [With VR30 engine]
16	Y	- [With 2.0L turbo gasoline engine]
17	SB	- [With VR30 engine]
17	Y	- [With 2.0L turbo gasoline engine]
18	SB	- [With VR30 engine]
18	Y	- [With 2.0L turbo gasoline engine]
19	G	-
20	G	-
22	LG	- [With VR30 engine]
22	SB	- [With 2.0L turbo gasoline engine]
23	LG	- [With VR30 engine]
23	SB	- [With 2.0L turbo gasoline engine]
24	LG	- [With VR30 engine]
24	SB	- [With 2.0L turbo gasoline engine]

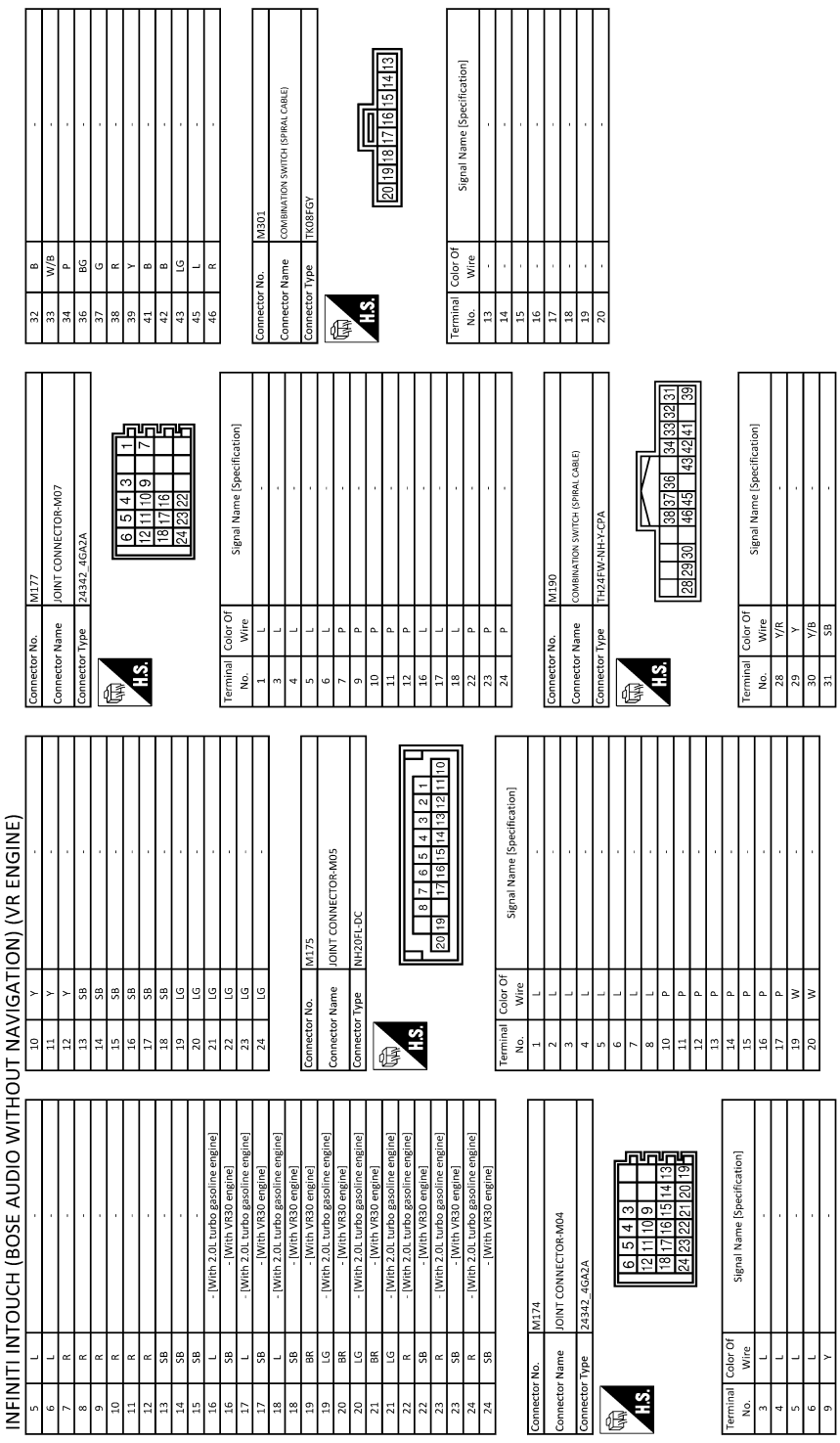
Connector No.	M173
Connector Name	JOINT CONNECTOR-M03
Connector Type	24342_4GA2A



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
1	L	-
2	L	-
3	L	-
4	L	-

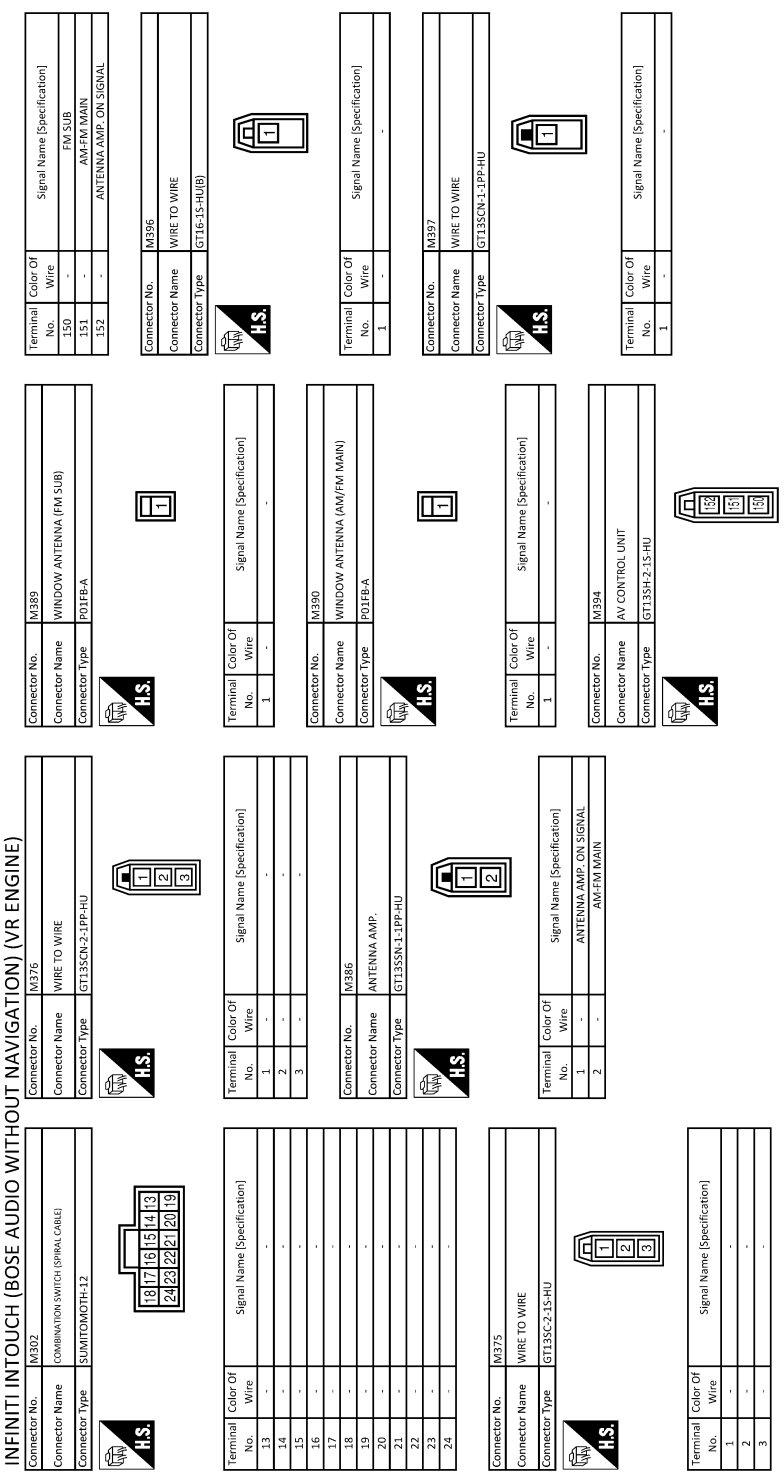
JRNWF7413GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)



JRNWF7414GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)



JRNWF7415GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

Connector No.	M398
Connector Name	WIRE TO WIRE
Connector Type	GT13SS-1-1S-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	M399
Connector Name	WIRE TO WIRE
Connector Type	GT13SSN-1-1PP-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	M414
Connector Name	AV CONTROL UNIT
Connector Type	FAKRA

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
176	-	SATELLITE RADIO ANTENNA SIGNAL
177	SHIELD	SHIELD

Connector No.	M415
Connector Name	WIRE TO WIRE
Connector Type	GT16C-1S-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	SHIELD	-

Connector No.	M416
Connector Name	WIRE TO WIRE
Connector Type	GT16C-1PP-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	SHIELD	-

Connector No.	M417
Connector Name	WIRE TO WIRE
Connector Type	GT16C-1S-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	SHIELD	-

Connector No.	M418
Connector Name	WIRE TO WIRE
Connector Type	GT16C-1PP-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	SHIELD	-

Connector No.	M419
Connector Name	SATELLITE RADIO ANTENNA
Connector Type	GT16C-1PP-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	SHIELD	-

JRNWF7416GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

Connector No.	R6
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH

H.S.

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	- [With VR30 engine]
1	SB	- [With 2.0L turbo gasoline engine]
2	BR	-
4	V	-
6	SB	-
7	R	-
8	G	-
9	L	- [With 2.0L turbo gasoline engine]
9	W	- [With VR30 engine]
11	LG	-
12	G	-
13	B	-

Connector No.	R14
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH

H.S.

8	7	6	5	4	3	2	1
16	15	14	13	12	11	10	9

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	- [With VR30 engine]
1	SB	- [With 2.0L turbo gasoline engine]
2	BR	-
4	V	-
6	SB	-
7	R	-
8	G	-
9	L	- [With 2.0L turbo gasoline engine]
9	W	- [With VR30 engine]
11	LG	-
12	G	-
13	B	-

Connector No.	R12
Connector Name	MICROPHONE
Connector Type	A06FW

H.S.

1	2	4	5

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	SHIELD	-
4	L	-
5	W	-

Connector No.	R15
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-NH

H.S.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

Terminal No.	Color Of Wire	Signal Name [Specification]
11	R	-
12	L	-
13	G	-
14	W	- [With VR30 engine]
14	Y	- [With 2.0L turbo gasoline engine]
15	B	-
17	SB	-
19	BG	-
20	BG	- [Without BOSE system]
20	BR	- [With BOSE system]
21	R	-
22	G	-
24	B	-
25	P	-
26	BR	-
28	B	-
29	R	-
30	L	-
31	V	-
32	W	-
33	L	-
36	BR	-
38	SB	-
40	W	-

Connector No.	R16
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS

H.S.

1	2	3
4	5	6	7	8
---	---	---	---	---

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	Y	-
4	W	-
6	B	-
7	GR	-
8	V	-

Connector No.	R19
Connector Name	FRONT MICROPHONE (LH) (ACTIVE NOISE CANCELATION)
Connector Type	TK02FBR

H.S.

1	2

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	LG	-

Connector No.	R20
Connector Name	FRONT MICROPHONE (RH) (ACTIVE NOISE CANCELATION)
Connector Type	TK02FBR

H.S.

1	2

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	BR	-

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	LG	-
3	BR	-
4	V	-
5	BG	-
6	GR	-
9	SHIELD	-
10	GR	-

JRNWF7417GB

INFINITI INTOUCH (BOSE AUDIO WITHOUT NAVIGATION) (VR ENGINE)

Connector No.	T48
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS

H.S.

7	6	5	4		3	2	1
16	15	14	13	12	11	10	9	8

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BG	-
4	L	-
5	P	-
6	G	-
8	B	-
9	R	-
10	P	-
11	L	-
13	G	- [With around view monitor]
13	L	- [With rear view monitor]
14	B	- [With rear view monitor]
14	R	- [With around view monitor]
15	B	- [With around view monitor]
15	W	- [With rear view monitor]
16	R	- [With rear view monitor]
16	W	- [With around view monitor]

Connector No.	T54
Connector Name	REAR VIEW CAMERA
Connector Type	RH06FB-1V

H.S.

1	2
4	5

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	GND
2	R	CAMAERA_ON
4	B	COMP+

5	L	COMP-

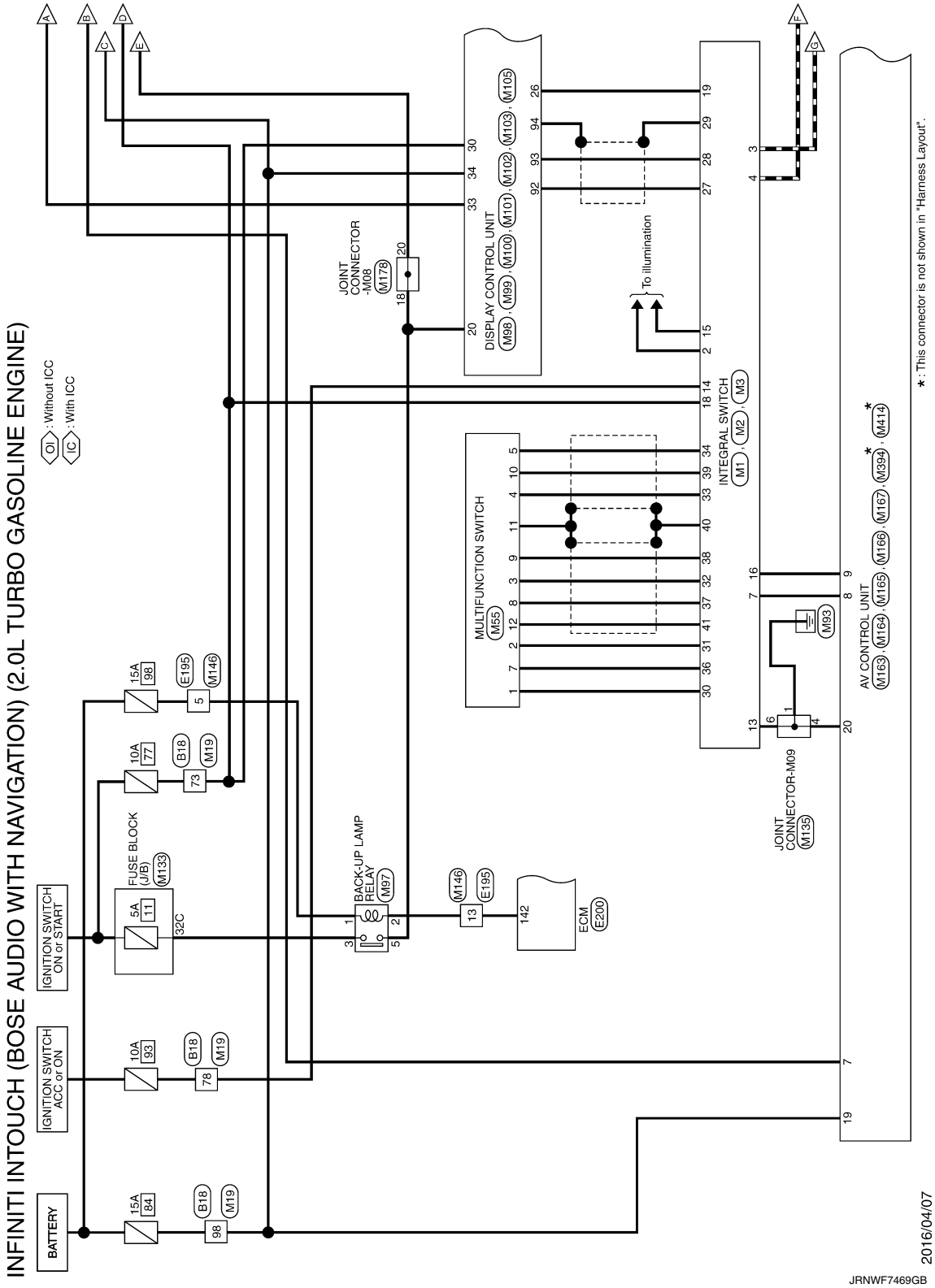
JRNWF7916GB

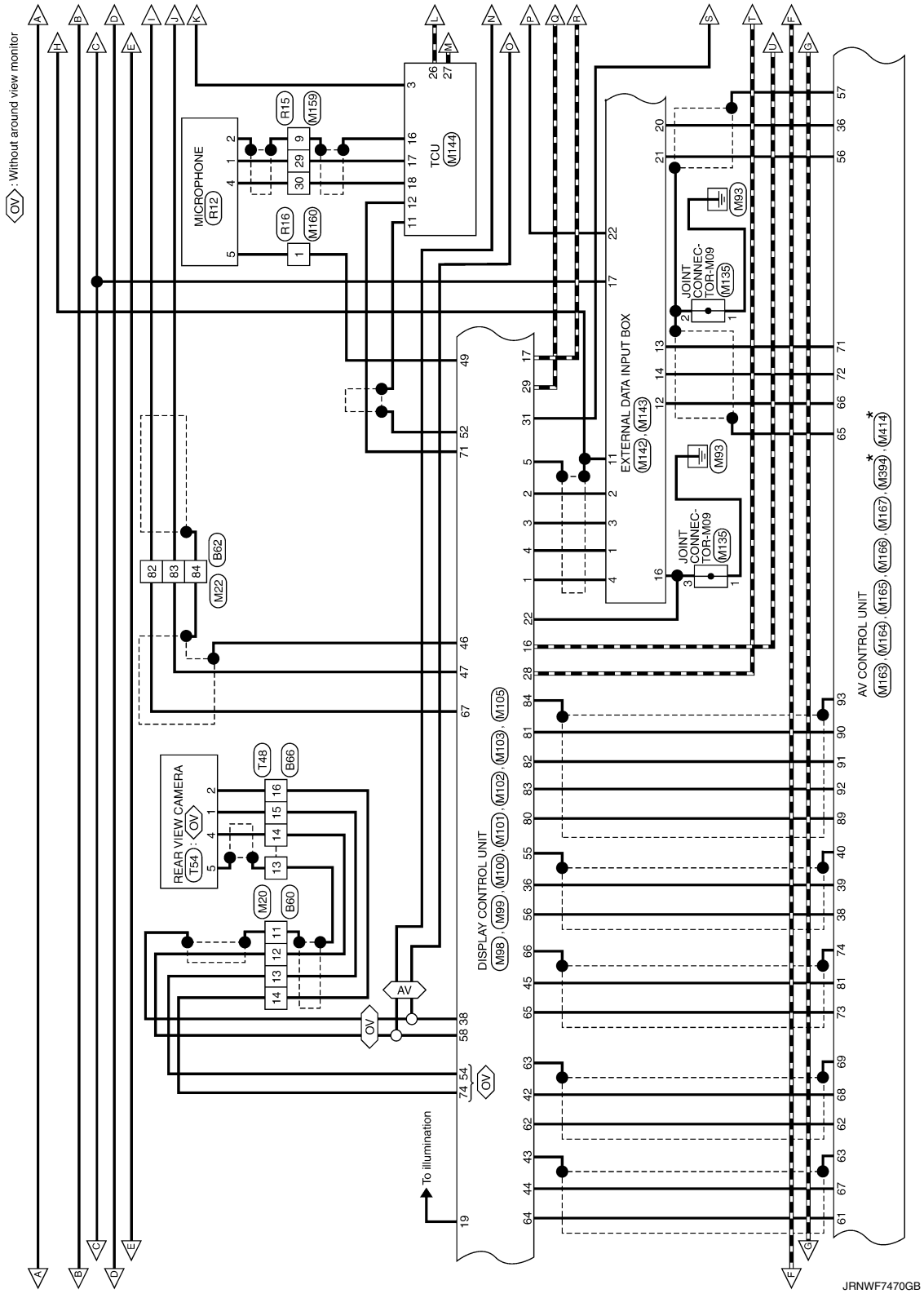
INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION)

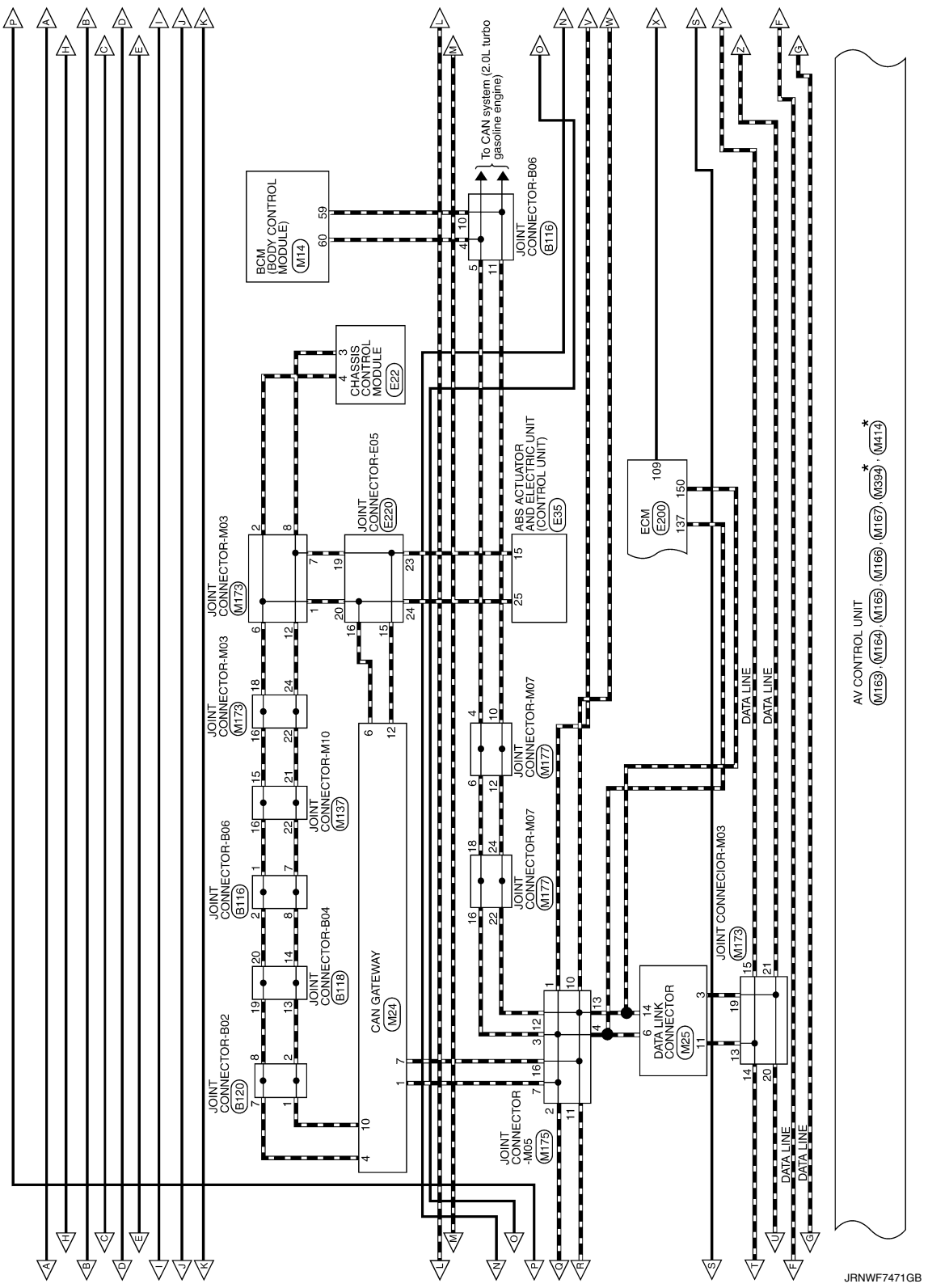
Wiring Diagram

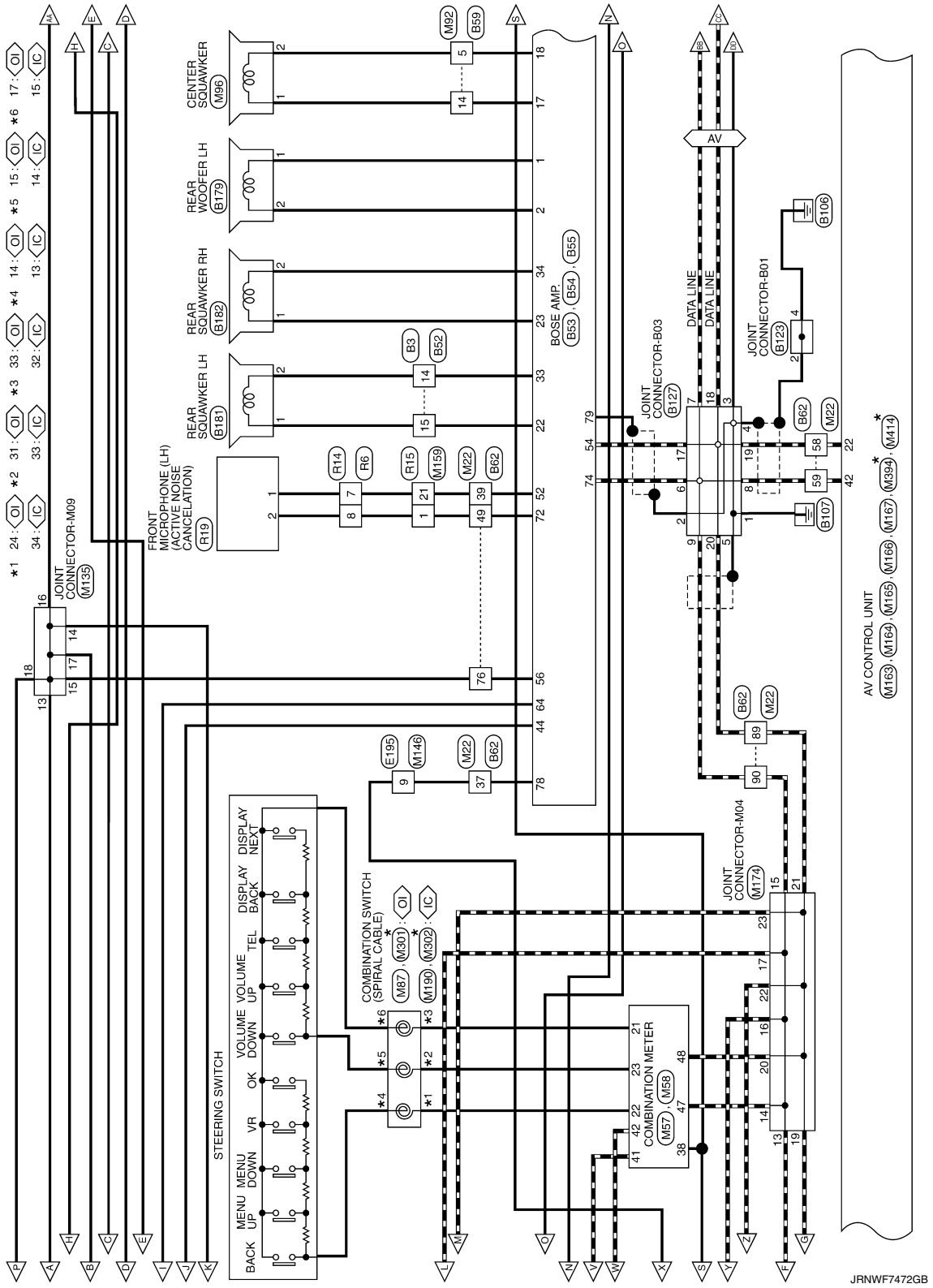
INFOID:0000000013717299

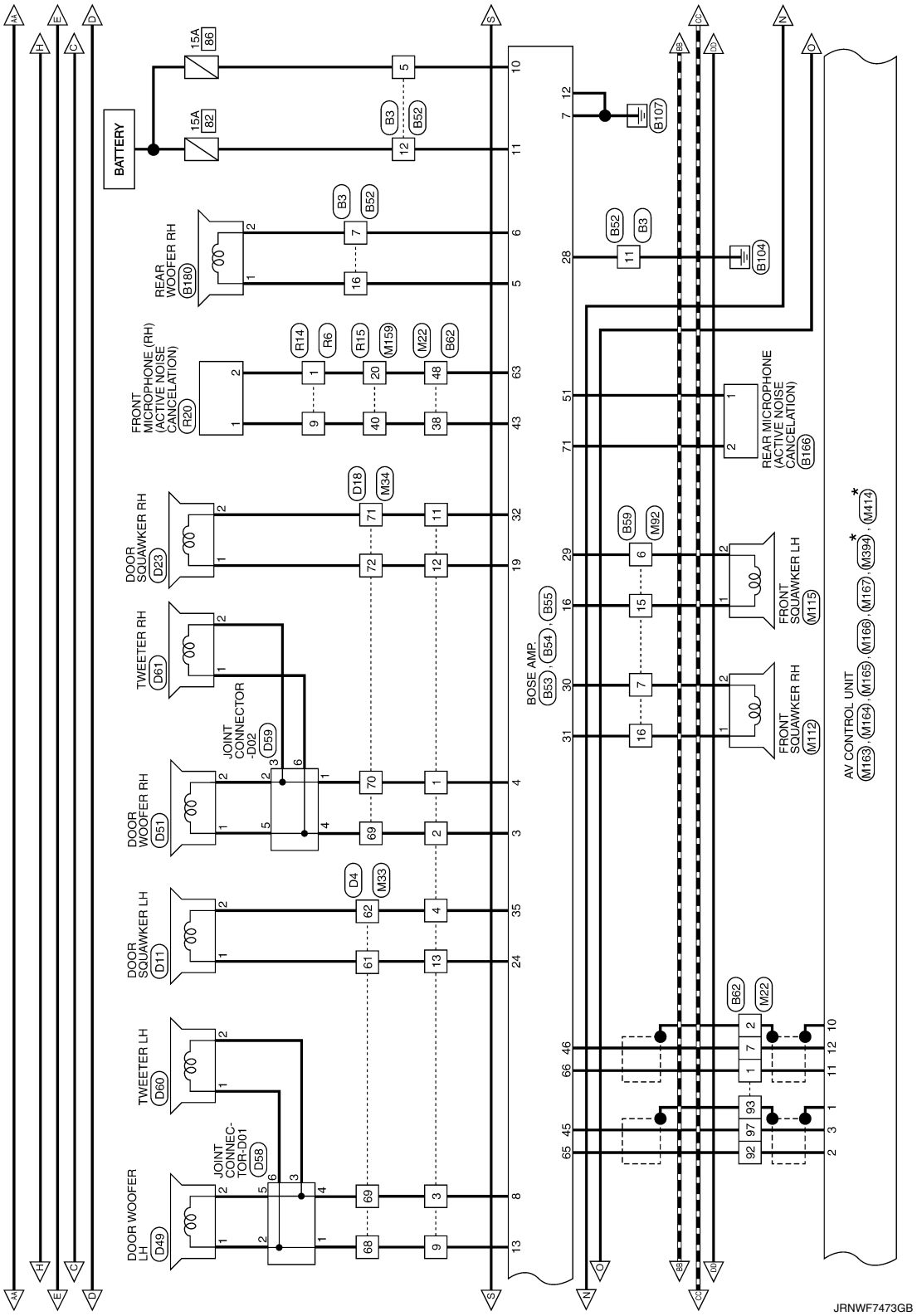
2.0L TURBO GASOLINE ENGINE




OV : Without around view monitor
MICROPHONE R12
R15 M159
R16 M160
TCU M144
EXTERNAL DATA INPUT BOX M142, M143
JOINT CONNEC-TOR-M09 M135
M93
B62 M22
REAR VIEW CAMERA T54
T48 B66
M20 B60
DISPLAY CONTROL UNIT M98, M99, M100, M101, M102, M103, M105
AV CONTROL UNIT M163, M164, M165, M166, M167, M394, M414
AV
OV
To illumination
JRNWF7470GB


BCM (BODY CONTROL MODULE) (M14)
To CAN system (2.0L turbo gasoline engine)
JOINT CONNECTOR-B06 (B116)
CHASSIS CONTROL MODULE (E22)
JOINT CONNECTOR-E05 (E220)
ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) (E35)
ECM (E200)
JOINT CONNECTOR-M03 (M173)
JOINT CONNECTOR-M10 (M137)
JOINT CONNECTOR-M07 (M177)
JOINT CONNECTOR-B04 (B118)
JOINT CONNECTOR-B02 (B120)
CAN GATEWAY (M24)
JOINT CONNECTOR -M05 (M175)
DATA LINK CONNECTOR (M25)
JOINT CONNECTOR-M03 (M173)
DATA LINE
AV CONTROL UNIT (M163), (M164), (M165), (M166), (M167), (M394)*, (M414)*
JRNWF7471GB


JOINT CONNECTOR-M09 (M135)
FRONT MICROPHONE (LH) (ACTIVE NOISE CANCELATION) R19
CENTER SQUAWKER M96
REAR WOOFER LH B179
REAR SQUAWKER RH B182
REAR SQUAWKER LH B181
BOSE AMP. B53, B54, B55
JOINT CONNECTOR-B03 B127
DATA LINE
JOINT CONNECTOR-B01 B123
AV
AV CONTROL UNIT M163, M164, M165, M166, M167, M394, M414
JOINT CONNECTOR-M04 M174
COMBINATION SWITCH (SPIRAL CABLE) M87, M301, M302, M190
STEERING SWITCH
COMBINATION METER M57, M58
JRNWF7472GB


BATTERY
15A 86
15A 82
B3
B52
B107
B104
REAR WOOFER RH B180
FRONT MICROPHONE (RH) (ACTIVE NOISE CANCELATION) R20
R14
R6
R15
M159
M22
B62
DOOR SQUAWKER RH D23
D18
M34
TWEETER RH D61
JOINT CONNECTOR -D02 D59
DOOR WOOFER RH D51
DOOR SQUAWKER LH D11
D4
M33
TWEETER LH D60
JOINT CONNEC-TOR-D01 D58
DOOR WOOFER LH D49
BOSE AMP. B53, B54, B55
REAR MICROPHONE (ACTIVE NOISE CANCELATION) B166
FRONT SQUAWKER LH M115
FRONT SQUAWKER RH M112
B59
M92
AV CONTROL UNIT M163, M164, M165, M166, M167, M394*, M414*
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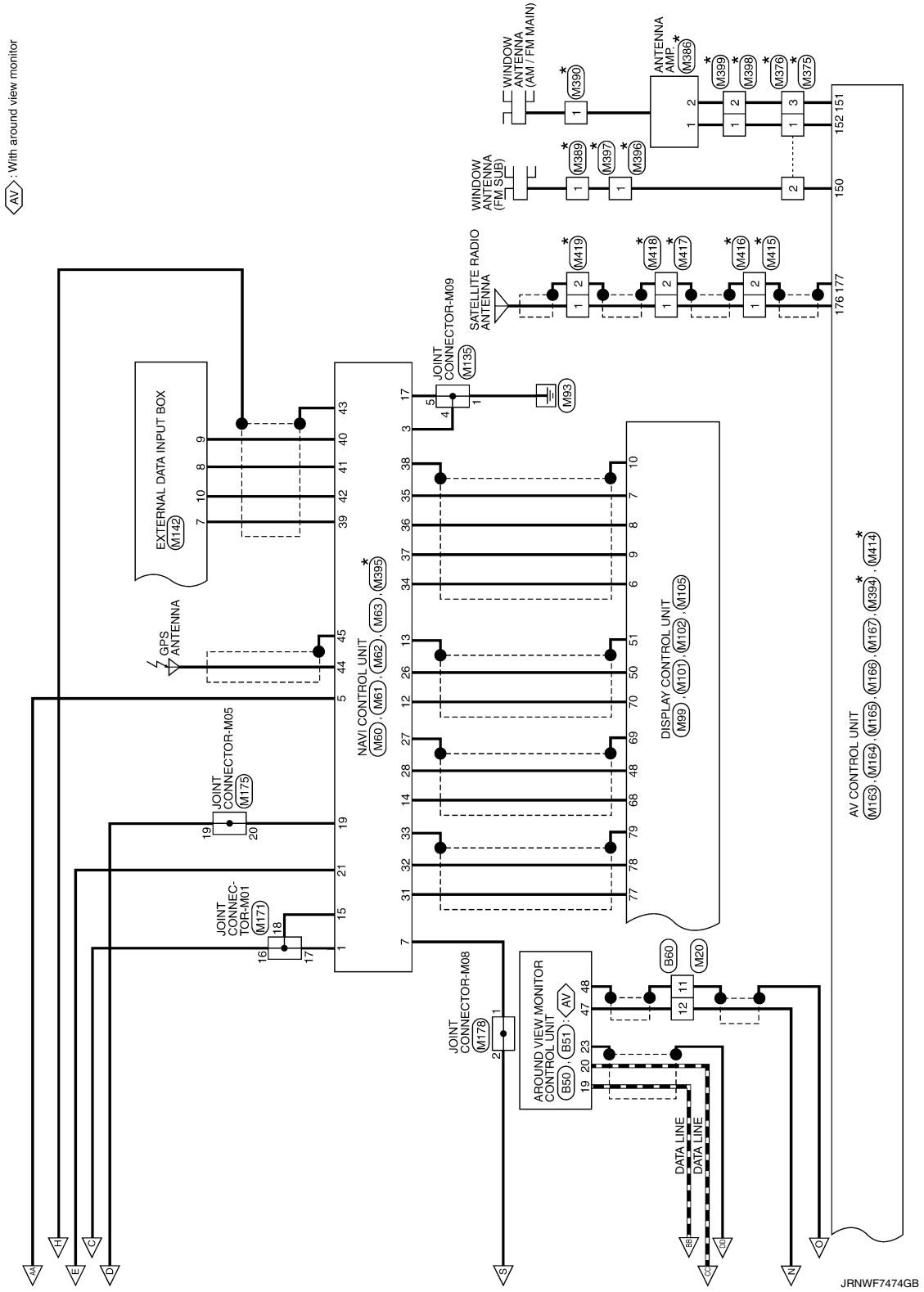
AV : With around view monitor
WINDOW ANTENNA (AM / FM MAIN)
ANTENNA AMP.
WINDOW ANTENNA (FM SUB)
SATELLITE RADIO ANTENNA
JOINT CONNECTOR-M09
JOINT CONNECTOR (M135)
EXTERNAL DATA INPUT BOX (M142)
GPS ANTENNA
NAVI CONTROL UNIT (M60), (M61), (M62), (M63), (M395)
DISPLAY CONTROL UNIT (M99), (M101), (M102), (M105)
AV CONTROL UNIT (M163), (M164), (M165), (M166), (M167), (M394), (M414)
JOINT CONNECTOR-M05 (M175)
JOINT CONNEC-TOR-M01 (M171)
JOINT CONNECTOR-M08 (M178)
AROUND VIEW MONITOR CONTROL UNIT (B50), (B51)
DATA LINE
DATA LINE
JRNWF7474GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	B3
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS

H.S.

7	6	5	4		3	2	1
16	15	14	13	12	11	10	9	8

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
4	B	- [With 2.0L turbo gasoline engine]
4	BR	- [With VR30 engine]
5	BR	- [With 2.0L turbo gasoline engine and with BOSE system]
5	Y	- [Except with 2.0L turbo gasoline engine and with BOSE system]
6	SHIELD	-
7	R	-
8	SHIELD	-
9	P	-
11	B	-
12	GR	-
13	G	-
14	B	-
15	W	-
16	BR	-

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	L	-
5	Y	-
7	V	-
10	BG	-
11	BG	-
12	LG	-
13	GR	-
14	R	-
15	L	-
16	V	-
18	W	-
19	BR	-
20	W	-
22	R	-
23	V	-
24	R	- [With 2.0L turbo gasoline engine]
24	Y	- [With VR30 engine]
25	V	- [With 2.0L turbo gasoline engine]
25	W	- [With VR30 engine]
26	G	-
27	R	-
28	R	-
31	B	- [With VR30 engine]
31	BR	- [With 2.0L turbo gasoline engine]
32	B	-
33	B	-
34	LG	-
35	P	-
36	W	-
37	SB	-
38	LG	-
40	P	-
41	SB	-
42	BR	-
43	BG	-
44	BG	-
46	R	-
50	W	-
51	SB	-
52	V	-
53	LG	-
54	R	-
55	R	-
58	V	-
59	GR	-
60	G	-
61	G	-
62	BG	-
63	BR	-
64	Y	-
66	R	-
70	R	-
71	W	-
72	B	-
73	W	-
74	L	-
75	R	-
76	BR	-
77	B	-
78	SB	-
79	W	-
81	B	-
82	R	-
83	BG	-
84	L	-
85	R	-
86	B	-
88	G	-
89	V	-
91	GR	-
93	GR	-
94	GR	-
96	Y	-
98	BR	- [With VR30 engine and with BOSE system]
98	Y	- [Except with VR30 engine and with BOSE system]

Connector No.	B50
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FW-NH

H.S.

21	14																		
13								20								28			
								19								26	25	27	28

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	Y	BATTERY POWER SUPPLY
3	LG	IGNITION SIGNAL
4	P	ACC POWER SUPPLY
19	P	AV COMMUNICATION SIGNAL (H)
20	LG	AV COMMUNICATION SIGNAL (L)
23	SHIELD	AV COMMUNICATION SIGNAL GROUND
25	BG	REVERSE SIGNAL
27	L	CAN-H
28	P	CAN-L [With ADAS]
28	R	CAN-L [Without ADAS]
29	SHIELD	CAN COMMUNICATION SIGNAL GROUND

Connector No.	B51
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH32FW-NH

H.S.

48	50	52	54	56	58	60	62	64	66	68	70	72
47	49	51	53	55	57	59	61	63	65	67	69	71

Terminal No.	Color Of Wire	Signal Name [Specification]
47	B	CAMERA IMAGE SIGNAL
48	SHIELD	CAMERA IMAGE SIGNAL GROUND
49	W	REAR CAMERA COMMUNICATION SIGNAL
50	B	REAR CAMERA POWER SUPPLY
52	R	REAR CAMERA GROUND
53	G	REAR CAMERA IMAGE SIGNAL (+)
54	SHIELD	REAR CAMERA IMAGE SIGNAL (-)
55	GR	SIDE CAMERA DRIVER SIDE COMMUNICATION SIGNAL
56	V	SIDE CAMERA DRIVER SIDE POWER SUPPLY
58	P	SIDE CAMERA DRIVER SIDE GROUND
59	LG	SIDE CAMERA DRIVER SIDE IMAGE SIGNAL (+)
60	SHIELD	SIDE CAMERA DRIVER SIDE IMAGE SIGNAL (-)
61	W	SIDE CAMERA PASSENGER SIDE COMMUNICATION SIGNAL
62	L	SIDE CAMERA PASSENGER SIDE POWER SUPPLY
64	R	SIDE CAMERA PASSENGER SIDE GROUND
65	G	SIDE CAMERA PASSENGER SIDE IMAGE SIGNAL (+)
66	SHIELD	SIDE CAMERA PASSENGER SIDE IMAGE SIGNAL (-)
67	B	FRONT CAMERA COMMUNICATION SIGNAL
68	W	FRONT CAMERA POWER SUPPLY
70	G	FRONT CAMERA GROUND
71	R	FRONT CAMERA IMAGE SIGNAL (+)
72	SHIELD	FRONT CAMERA IMAGE SIGNAL (-)

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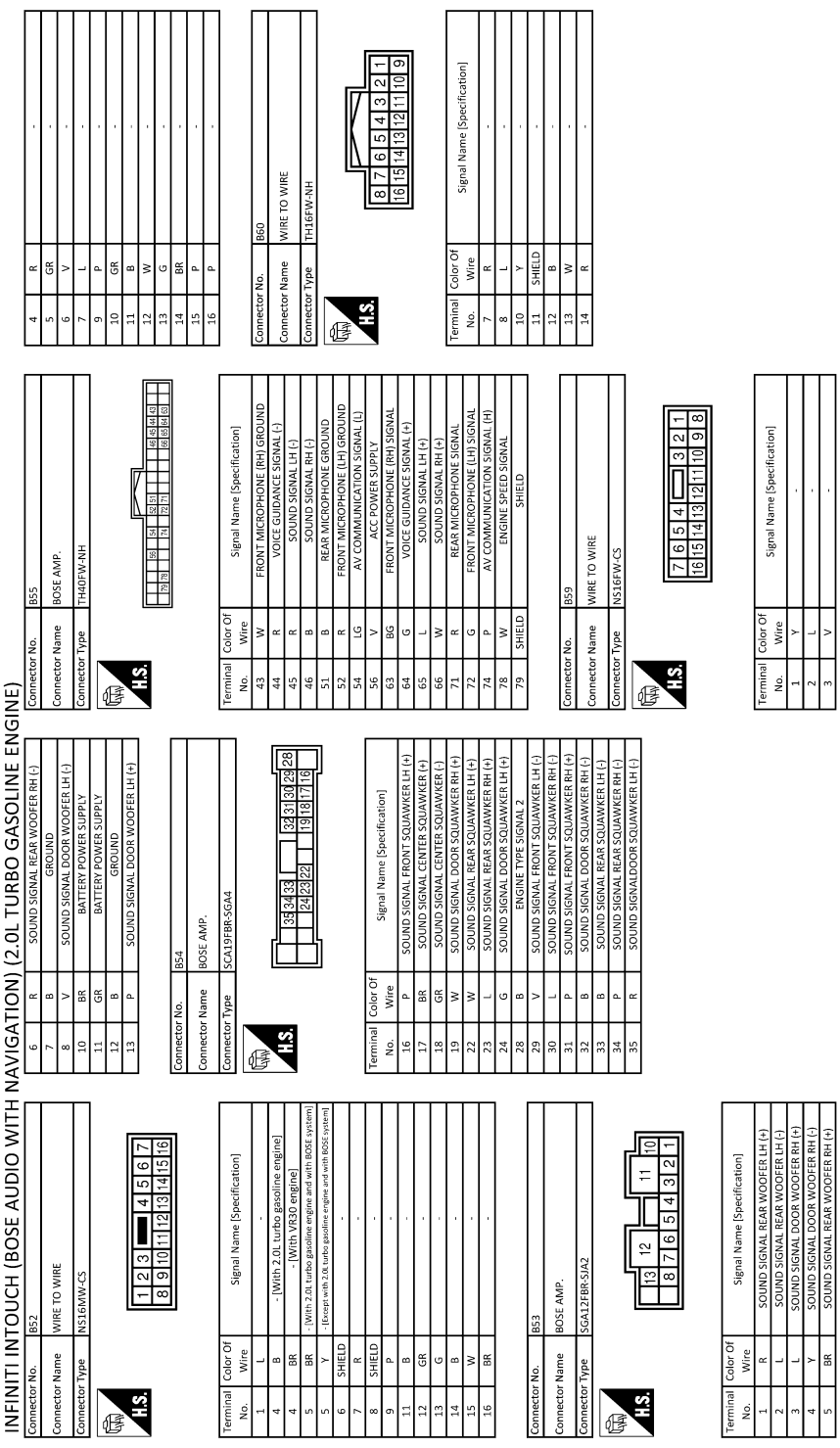
INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)



JRNWF7476GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	B62
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	[With 2.0L turbo gasoline engine and without BOSE system]
1	LG	- [With VR30 engine]
1	W	[With 2.0L turbo gasoline engine and with BOSE system]
2	L	- [With VR30 engine]
2	SHIELD	- [With 2.0L turbo gasoline engine]
3	BR	- [With 2.0L turbo gasoline engine]
3	R	- [With VR30 engine and with BOSE system]
3	W	- [With VR30 engine and without BOSE system]
4	SHIELD	- [With VR30 engine]
4	Y	- [With 2.0L turbo gasoline engine]
5	G	- [With VR30 engine]
5	V	- [With 2.0L turbo gasoline engine]
6	BG	- [With VR30 engine]
6	BR	- [With 2.0L turbo gasoline engine]
7	B	[With 2.0L turbo gasoline engine and with BOSE system]
7	BR	- [With VR30 engine and without BOSE system]
7	W	- [With VR30 engine and with BOSE system]
7	Y	[With 2.0L turbo gasoline engine and without BOSE system]
8	B	- [With VR30 engine and with BOSE system]
8	G	- [With 2.0L turbo gasoline engine]
8	Y	- [With VR30 engine and without BOSE system]
9	LG	- [With 2.0L turbo gasoline engine]
9	SHIELD	- [With VR30 engine]
10	V	-
11	GR	-
12	Y	-
13	R	-
14	BG	-
15	BG	- [With 2.0L turbo gasoline engine]
15	GR	- [With VR30 engine]
16	V	-
17	P	-
18	L	-
19	G	-
20	GR	-
21	R	-
23	W	-
24	BG	- [With 2.0L turbo gasoline engine]
24	V	- [With VR30 engine]
25	L	- [With 2.0L turbo gasoline engine]
25	SB	- [With VR30 engine]
26	G	- [With VR30 engine]
26	W	- [With 2.0L turbo gasoline engine]
27	R	-
28	R	-
29	LG	-
30	LG	- [With 2.0L turbo gasoline engine]
30	P	- [With VR30 engine]
31	SHIELD	-
32	L	-
33	B	- [With VR30 engine]
33	LG	- [With 2.0L turbo gasoline engine]
34	SHIELD	-
35	LG	- [With VR30 engine]
35	W	- [With 2.0L turbo gasoline engine]
36	R	-
37	P	[With 2.0L turbo gasoline engine and without BOSE system]
37	R	- [With VR30 engine]
37	W	- [With 2.0L turbo gasoline engine and with BOSE system]
38	L	- [With 2.0L turbo gasoline engine and without BOSE system]
38	W	- [Except with 2.0L turbo gasoline engine and without BOSE system]
39	P	[With VR30 engine and without BOSE system]
39	R	- [With 2.0L turbo gasoline engine]
39	W	- [With VR30 engine and with BOSE system]
40	G	-
41	L	-
42	R	-
43	SHIELD	-
44	P	-
45	B	- [With 2.0L turbo gasoline engine]
45	G	- [With VR30 engine]
46	SHIELD	-
47	G	-
48	BG	[Except with 2.0L turbo gasoline engine and without BOSE system]
48	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
49	G	-
51	GR	- [With 2.0L turbo gasoline engine]
51	L	- [With VR30 engine]
52	W	- [With 2.0L turbo gasoline engine]
52	Y	- [With VR30 engine]
53	R	-
54	GR	-
55	L	-
56	V	-
57	R	-
58	LG	-
59	P	-
60	BR	-
61	L	- [With 2.0L turbo gasoline engine]
61	R	- [With VR30 engine]
62	P	- [With VR30 engine]
62	V	- [With 2.0L turbo gasoline engine]
63	L	-
64	W	-
65	R	-
66	L	- [With 2.0L turbo gasoline engine]
66	LG	- [With VR30 engine]
67	G	-
68	L	-
69	P	-
71	GR	- [With 2.0L turbo gasoline engine]
71	R	- [With VR30 engine]
72	G	- [With VR30 engine]
72	Y	- [With 2.0L turbo gasoline engine]
73	R	- [With 2.0L turbo gasoline engine]
73	SHIELD	- [With VR30 engine]
74	BG	- [With 2.0L turbo gasoline engine]
74	L	- [With VR30 engine]
75	GR	- [With 2.0L turbo gasoline engine]
75	V	- [With VR30 engine]
76	GR	- [With VR30 engine]
76	V	- [With 2.0L turbo gasoline engine]
77	P	-
78	L	-
79	G	-
80	GR	- [With 2.0L turbo gasoline engine]
80	W	- [With VR30 engine]
81	B	- [With VR30 engine]
81	R	- [With 2.0L turbo gasoline engine]
82	G	- [With 2.0L turbo gasoline engine]
82	SHIELD	- [With VR30 engine]
83	R	- [With 2.0L turbo gasoline engine]
83	W	- [With VR30 engine]
84	BR	- [With VR30 engine]
84	SHIELD	- [With 2.0L turbo gasoline engine]
85	BG	- [With VR30 engine]
85	G	- [With 2.0L turbo gasoline engine]
86	R	-
87	LG	- [With VR30 engine]
87	SHIELD	- [With 2.0L turbo gasoline engine]
88	R	-
89	LG	-
90	P	-
92	L	- [With 2.0L turbo gasoline engine]
92	W	- [With VR30 engine]
93	SHIELD	-
94	R	-
95	L	- [With 2.0L turbo gasoline engine]
95	Y	- [With VR30 engine]
96	W	-
97	L	- [With VR30 engine]
97	R	- [With 2.0L turbo gasoline engine and with BOSE system]
97	W	- [With 2.0L turbo gasoline engine and without BOSE system]
99	BR	- [With VR30 engine and with BOSE system]
99	P	- [With 2.0L turbo gasoline engine]
99	Y	- [With VR30 engine and without BOSE system]
100	BR	- [With VR30 engine]
100	W	- [With 2.0L turbo gasoline engine]

Connector No.	B66
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	BG	-
4	SHIELD	-
5	W	-
6	GR	-
8	B	-
9	R	-
10	P	-
11	B	-
13	SHIELD	- [With rear view monitor]
13	W	- [With around view monitor]
14	B	- [With rear view monitor]
14	G	- [With around view monitor]
15	R	- [With around view monitor]
15	W	- [With rear view monitor]
16	B	- [With around view monitor]
16	R	- [With rear view monitor]

JRNWF7477GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	B116
Connector Name	JOINT CONNECTOR-B06
Connector Type	24342_4GA2A

H.S.

6	5	4	3	2	1	
12	11	10	9	8	7	
18	17	16	15	14	13	
24	23	22	21	20	19	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	L	-
3	L	-
4	L	-
5	L	-
6	L	-
7	R	-
8	R	- [With Gateway]
8	V	- [Without Gateway]
9	R	- [With Gateway]
9	V	- [Without Gateway]
10	V	-
11	V	-
12	P	- [With 2.0L turbo gasoline engine]
12	R	- [With VR30 engine]
13	SHIELD	-
14	SHIELD	-
15	SHIELD	-
16	SHIELD	-
17	SHIELD	-
18	SHIELD	-
19	L	-
20	L	-
21	L	-
22	R	-
23	R	-
24	R	-

Connector No.	B118
Connector Name	JOINT CONNECTOR-B04
Connector Type	24342_4GA2A

H.S.

6	5	4	3	2	1	
12	11	10	9	8	7	
18	17	16	15	14	13	
24	23	22	21	20	19	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	- [With VR30 engine]
1	SHIELD	- [With 2.0L turbo gasoline engine]
2	LG	- [With VR30 engine]
2	SHIELD	- [With 2.0L turbo gasoline engine]
3	LG	- [With VR30 engine]
3	SHIELD	- [With 2.0L turbo gasoline engine]
4	LG	- [With VR30 engine]
4	SHIELD	- [With 2.0L turbo gasoline engine]
5	LG	- [With VR30 engine]
5	SHIELD	- [With 2.0L turbo gasoline engine]
6	LG	- [With VR30 engine]
6	SHIELD	- [With 2.0L turbo gasoline engine]
7	R	- [With VR30 engine]
8	R	-
9	LG	- [With 2.0L turbo gasoline engine]
9	R	- [With VR30 engine]
10	LG	- [With 2.0L turbo gasoline engine]
10	SHIELD	- [With VR30 engine]
11	LG	- [With 2.0L turbo gasoline engine]
11	SHIELD	- [With VR30 engine]
12	LG	- [With 2.0L turbo gasoline engine]
12	SHIELD	- [With VR30 engine]
13	L	- [With 2.0L turbo gasoline engine]
13	R	- [With VR30 engine]
14	L	- [With 2.0L turbo gasoline engine]
14	R	- [With VR30 engine]
15	L	- [With 2.0L turbo gasoline engine]
15	R	- [With VR30 engine]
16	L	-
17	L	-
18	L	-
19	L	- [With 2.0L turbo gasoline engine]
19	SHIELD	- [With VR30 engine]
20	L	- [With 2.0L turbo gasoline engine]
20	SHIELD	- [With VR30 engine]

Connector No.	B120
Connector Name	JOINT CONNECTOR-B02
Connector Type	24342_4GA2A

H.S.

6	5	4	3	2	1	
12	11	10	9	8	7	
18	17		15	14	13	
24	23	22	21	20	19	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	R	-
3	L	- [With VR30 engine]
3	R	- [With 2.0L turbo gasoline engine]
4	L	- [With VR30 engine]
4	R	- [With 2.0L turbo gasoline engine]
5	L	-
6	L	-
7	L	-
8	L	-
9	L	- [With 2.0L turbo gasoline engine]
9	R	- [With VR30 engine]
10	L	- [With 2.0L turbo gasoline engine]
10	R	- [With VR30 engine]
11	R	-
12	R	-
13	W	-
14	W	-
15	W	-
17	SHIELD	-
18	B	-
19	B	- [With 2.0L turbo gasoline engine]
19	GR	- [With VR30 engine]
20	GR	- [With VR30 engine]
20	SHIELD	- [With 2.0L turbo gasoline engine]
21	B	- [With 2.0L turbo gasoline engine]
21	GR	- [With VR30 engine]
22	W	-
23	W	-

21	L	- [With 2.0L turbo gasoline engine]
21	SHIELD	- [With VR30 engine]
22	R	-
23	R	-
24	R	-

24	W	-

Connector No.	B123
Connector Name	JOINT CONNECTOR-B01
Connector Type	TK04FW-J

H.S.

0	4	3	2	1	0

Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	-
2	SHIELD	-
3	B	- [With 2.0L turbo gasoline engine]
3	SHIELD	- [With VR30 engine]
4	B	-

Connector No.	B127
Connector Name	JOINT CONNECTOR-B03
Connector Type	NH20FG-DC

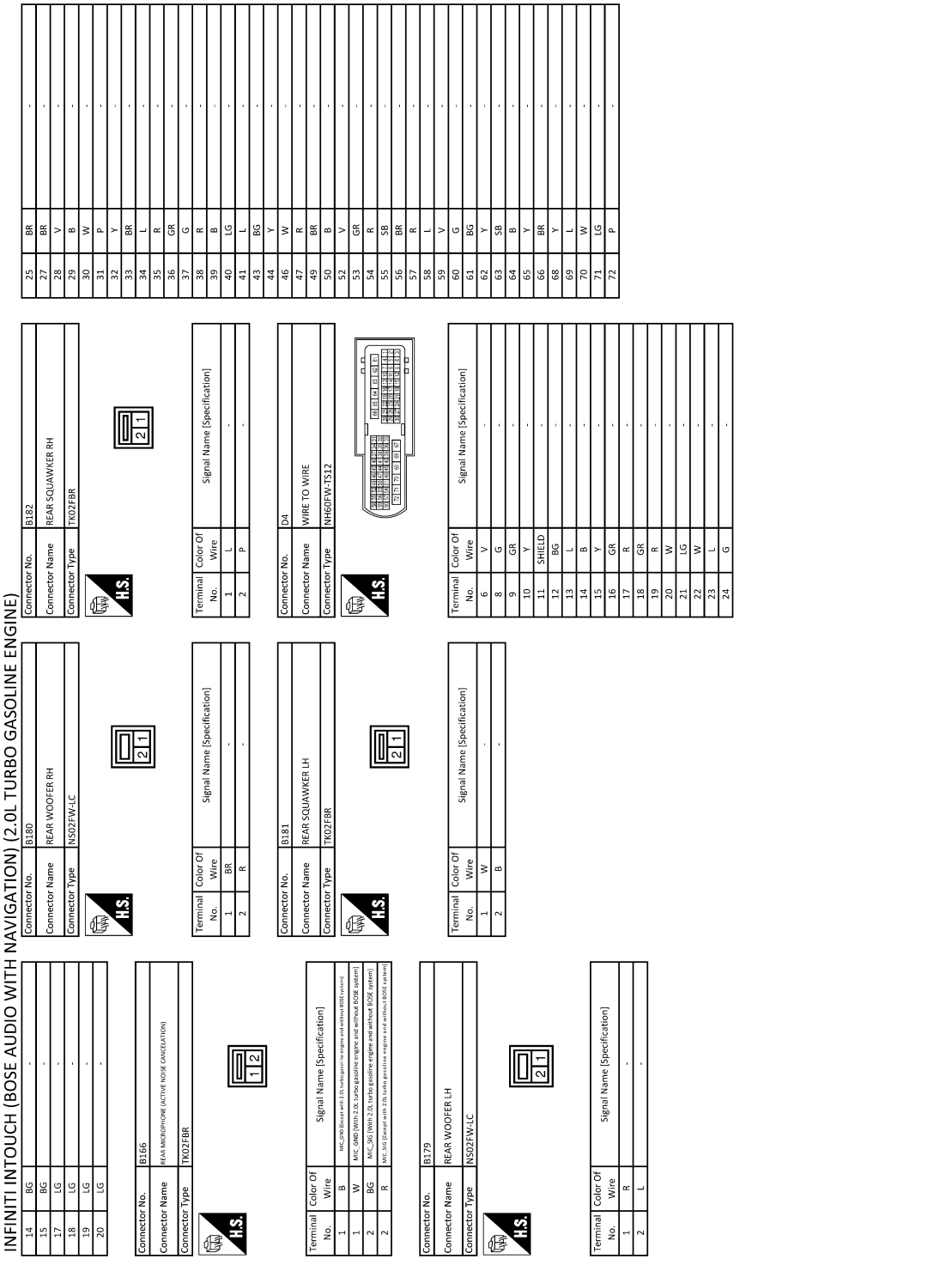
H.S.

9	8	7	6	5	4	3	2	1	
20	19	18	17		15	14	13	11	10

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	SHIELD	-
3	SHIELD	-
4	SHIELD	-
5	SHIELD	-
6	P	-
7	P	-
8	P	-
9	P	-
10	LG	-
11	LG	-
13	BG	-

JRNWF7478GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)



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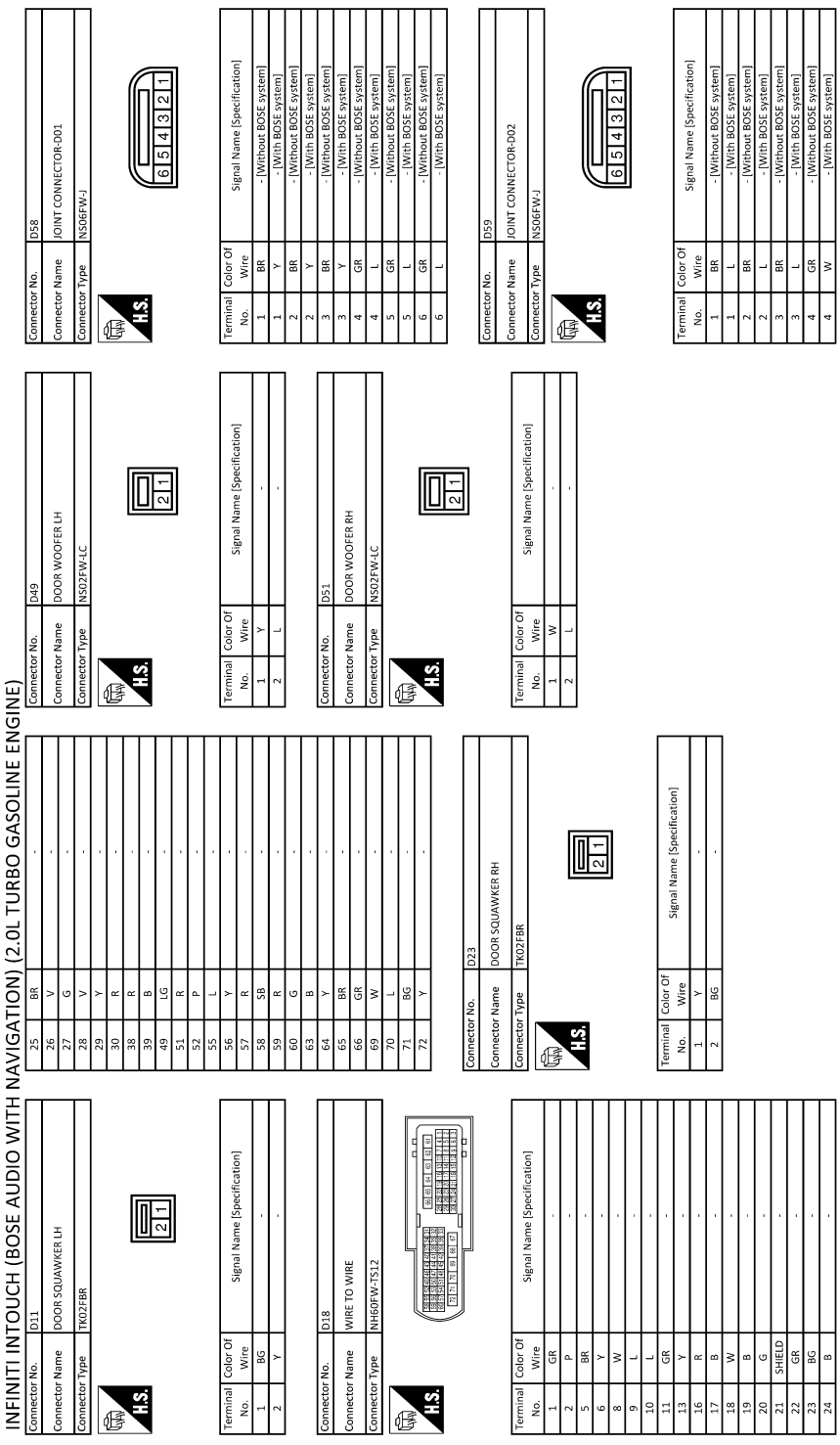
INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)



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INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

5	GR	- [Without BOSE system]
5	W	- [With BOSE system]
6	GR	- [Without BOSE system]
6	W	- [With BOSE system]

Connector No.	D60
Connector Name	TWEETER LH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	Y	- [With BOSE system]
2	GR	- [Without BOSE system]
2	L	- [With BOSE system]

Connector No.	D61
Connector Name	TWEETER RH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	W	- [With BOSE system]
2	GR	- [Without BOSE system]
2	L	- [With BOSE system]

Connector No.	E22
Connector Name	CHASSIS CONTROL MODULE
Connector Type	TH24FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
3	P	CAN-L [Without Gateway]
3	R	CAN-L [With Gateway]
4	L	CAN-H
5	V	DRIVE MODE SELECT SWITCH (UP) [With VR30 engine]
5	Y	DRIVE MODE SELECT SWITCH (UP) [With 2.0L turbo gasoline engine]
6	G	DRIVE MODE SELECT SW (DOWN) [With 2.0L turbo gasoline engine]
6	Y	DRIVE MODE SELECT SW (DOWN) [With VR30 engine]
7	W	CHASSIS COMMUNICATION-L
8	W	CHASSIS COMMUNICATION-L
10	BG	IGNITION POWER SUPPLY [With 2.0L turbo gasoline engine]
10	G	IGNITION POWER SUPPLY [With VR30 engine]
11	L	CHASSIS COMMUNICATION-H
12	B	GROUND [With VR30 engine]
12	B/W	GROUND [With 2.0L turbo gasoline engine]
19	BR	CHASSIS COMMUNICATION-H [With VR30 engine]
19	L	CHASSIS COMMUNICATION-H [With 2.0L turbo gasoline engine]
23	G	ESS RELAY [With VR30 engine]
23	R	ESS RELAY [With 2.0L turbo gasoline engine]

Connector No.	E35
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	SAZ30FB-SJZ4-U

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	B	GROUND
3	G	VALVE BATTERY [With VR30 engine]
3	P	VALVE BATTERY [With 2.0L turbo gasoline engine]
4	Y	MOTOR BATTERY
5	LG	STOP LAMP SW SIGNAL [With ADAS]
5	V	STOP LAMP SW SIGNAL [With ASCD]
7	GR	RR LH WHEEL SENSOR SIGNAL
8	G	RR LH WHEEL SENSOR POWER SUPPLY
9	BR	FR RH WHEEL SENSOR SIGNAL
10	GR	FR RH WHEEL SENSOR POWER SUPPLY
13	R	VACUUM SENSOR SIGNAL
15	P	CAN-L [Without Gateway]
15	R	CAN-L [With Gateway]
17	Y	RR RH WHEEL SENSOR SIGNAL
18	LG	RR RH WHEEL SENSOR POWER SUPPLY [With 2.0L turbo gasoline engine]
18	V	RR RH WHEEL SENSOR POWER SUPPLY [With VR30 engine]
19	SB	FR LH WHEEL SENSOR SIGNAL
20	BG	FR LH WHEEL SENSOR POWER SUPPLY
25	L	CAN-H
28	G	VACUUM SENSOR POWER SUPPLY
30	R	VDC OFF SW SIGNAL
32	SHIELD	VACUUM SENSOR GROUND
34	G	IGN

Connector No.	E195
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-NS10

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
5	BR	-
8	GR	-
9	P	-
10	R	-
11	L	-
12	P	-
13	GR	-
14	Y	-
15	G	-
16	W	-
17	L	-
18	R	-
19	BR	-
20	SHIELD	-
21	BR	-
22	V	-
23	W	-
24	L	-
25	G	-
26	G	-
30	Y	-
31	GR	-
32	SB	-
33	W	-
34	W	-
35	B	-
36	G	-
37	SHIELD	-
38	R	-
39	L	-
40	GR	-
41	W	-
42	B	-
43	BR	-
44	P	-
45	SB	-
46	Y	-

Connector No.	E200
Connector Name	ECM
Connector Type	ADA52FB-AH26

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
97	G	POWER SUPPLY (MAIN)
98	B	ECM GROUND
99	G	POWER SUPPLY (MAIN)
100	B	ECM GROUND
101	G	POWER SUPPLY (MAIN)

JRNWF7481GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

102	B	ECM GROUND
103	V	COOLING FAN CONTROL SIGNAL (PWM)
104	Y	SENSOR POWER SUPPLY
105	R	SENSOR POWER SUPPLY
106	W	SENSOR GROUND
109	P	ENGINE SPEED SIGNAL
111	G	POWER SUPPLY
116	LG	STARTER RELAY-1
119	BR	SENSOR GROUND
120	BG	SENSOR GROUND
123	BR	MAIN RELAY CONTROL SIGNAL
127	V	FUEL PUMP ON SIGNAL
132	G	ACCELERATOR PEDAL POSITION SENSOR 1
137	L	CAN-H
138	L	DRIVETRAIN CAN-H
142	GR	BACK-UP LAMP SWITCH
143	LG	REFRIGERANT PRESSURE SENSOR
145	L	ACCELERATOR PEDAL POSITION SENSOR 2
146	L	FUEL TANK PRESSURE SENSOR
148	L	THROTTLE CONTROL MOTOR (CLOSE) (BANK 2)
150	P	CAN-L
151	P	DRIVETRAIN CAN-L
152	B	EVAP CANISTER VENT CONTROL VALVE
153	G	EVAP PURGE CONTROL VALVE

Connector No. E220
Connector Name JOINT CONNECTOR-E05
Connector Type NH24FB-J

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
3	W	-
4	L	-
7	W	-
8	L	-
15	R	-
16	L	-
19	R	-
20	L	-
23	R	-
24	L	-

Connector No. M1
Connector Name INTEGRAL SWITCH
Connector Type TH24FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
2	R	ILLUMINATION SIGNAL
3	LG	AV COMMUNICATION SIGNAL (L)
4	SB	AV COMMUNICATION SIGNAL (H)
7	W/B	DISK EJECT SIGNAL
8	G	HAZARD SIGNAL
13	B	GROUND
14	SB	ACC POWER SUPPLY [With 2.0L turbo gasoline engine]
14	V	ACC POWER SUPPLY [With VR30 engine]
15	B	ILLUMINATION CONTROL SIGNAL
16	BG	DISK EJECT SIGNAL GROUND
18	R	IGNITION SIGNAL [With VR30 engine]
18	W	IGNITION SIGNAL [With 2.0L turbo gasoline engine]
19	BR	CAMERA SWITCH SIGNAL

Connector No. M2
Connector Name INTEGRAL SWITCH
Connector Type Tyco_1554987-6

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
27	W	LVDS (+)
28	B	LVDS (-)
29	SHIELD	SHIELD

Connector No. M3
Connector Name INTEGRAL SWITCH
Connector Type TH12FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
30	BR	ILLUMINATION SIGNAL (MULTIFUNCTION SWITCH)
31	W	GROUND (MULTIFUNCTION SWITCH)
32	R	ENCD-B SIGNAL
33	R	PUSH SWITCH A SIGNAL
34	W	PUSH SWITCH C SIGNAL
36	V	ILLUMINATION CONTROL SIGNAL (MULTIFUNCTION SWITCH)
37	W	ENCD-A SIGNAL
38	G	SELECT SWITCH SIGNAL
39	B	PUSH SWITCH B SIGNAL
40	B	SHIELD
41	L	L/R DETECTION SIGNAL

Connector No. M14
Connector Name BCM (BODY CONTROL MODULE)
Connector Type TH40FB-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
48	R	PUSH-BTN IGN SW ILL PWR
52	G	DONGLE LINK
54	V	COMM LINE
55	R	RAIN SENSOR
59	P	CAN-L
60	L	CAN-H
61	G	REAR WINDOW DEF RLY CONT
62	R	STARTER RLY CONT
64	V	I-KEY WARN BUZZER
65	B	OUTS HD LAMP CONT
66	B	BLOWER FAN RLY CONT [With VR30 engine]
66	Y	BLOWER FAN RLY CONT [With 2.0L turbo gasoline engine]
67	W/B	IGN RLY-AY (F/B) CONT
68	R	DIMMER
69	GR	A/T SHIFT SELECT PWR SPLY
70	B	IGN RLY-AY (IPDM E/R) CONT
71	G	DR DOOR REQ SW
72	SB	PASS DOOR REQ SW
75	BR	COMBI SW INPUT 5
76	BG	COMBI SW INPUT 4
77	V	COMBI SW INPUT 3
78	Y	COMBI SW INPUT 2
79	LG	COMBI SW INPUT 1
80	L	TR LID OPNR SW

Connector No. M19
Connector Name WIRE TO WIRE
Connector Type TH80MW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	SB	-
5	Y	-
7	W	-
10	BG	-
11	BR	-
12	LG	-
13	GR	-
14	R	-
15	L	-
16	V	-
18	W	-
19	BR	-
20	W	-
24	R	- [With 2.0L turbo gasoline engine]
24	Y	- [With VR30 engine]
25	P	- [With 2.0L turbo gasoline engine]
25	W	- [With VR30 engine]

JRNWF7482GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

26	G	-
27	R	-
28	R	-
31	BR	-
32	B	-
33	B	-
34	V	-
35	P	-
36	W	-
37	SB	-
38	LG	-
40	P	-
41	G	-
42	BR	-
43	BR	-
44	BR	-
46	BG	-
50	W	-
51	Y	-
52	V	-
53	LG	-
54	R	-
55	R	-
58	V	-
59	BG	-
60	G	-
61	G	-
62	BG	-
63	BR	-
64	Y	-
66	R	-
70	LG	-
71	W	-
72	B	-
73	W	-
74	L	-
75	W	-
76	BR	-
77	B	-
78	SB	-
79	W	-
81	B	-
82	R	-
83	BG	-
84	L	-
85	W	-
86	B	-
88	G	-
89	V	-
91	GR	-
93	GR	-
94	GR	-
96	W	-
98	BR	- [With VR30 engine and with BOSE system]
98	Y	- [Except with VR30 engine and with BOSE system]

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
7	W	-
8	L	-
10	Y	-
11	SHIELD	-
12	B	-
13	W	-
14	R	-

Connector No.	M22
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	L	- [With VR30 engine]
2	SHIELD	- [With 2.0L turbo gasoline engine]
3	BR	- [With 2.0L turbo gasoline engine]
3	R	- [With VR30 engine]
4	SHIELD	- [With VR30 engine]
4	Y	- [With 2.0L turbo gasoline engine]
5	G	- [With VR30 engine]
5	V	- [With 2.0L turbo gasoline engine]
6	BG	- [With VR30 engine]
6	BR	- [With 2.0L turbo gasoline engine]
7	LG	- [With VR30 engine]
7	P	- [With 2.0L turbo gasoline engine]
8	G	- [With 2.0L turbo gasoline engine]
8	P	- [With VR30 engine]
9	LG	- [With 2.0L turbo gasoline engine]
9	SHIELD	- [With VR30 engine]
10	V	-
11	GR	-
12	V	-
13	LG	-
14	LG	-
15	BR	- [With 2.0L turbo gasoline engine]
15	P	- [With VR30 engine]
16	SB	- [With DCM]
16	V	- [Without DCM]
17	Y	-
18	L	-
19	G	-
20	GR	-
21	R	-
23	L	-
24	BG	- [With 2.0L turbo gasoline engine]
24	V	- [With VR30 engine]
25	L	- [With 2.0L turbo gasoline engine]
25	SB	- [With VR30 engine]
26	G	- [With VR30 engine]
26	W	- [With 2.0L turbo gasoline engine]
27	R	-
28	R	-
29	LG	-
30	SB	- [With VR30 engine]
30	W	- [With 2.0L turbo gasoline engine]
31	SHIELD	-
32	L	-
33	B	- [With VR30 engine]
33	LG	- [With 2.0L turbo gasoline engine]
34	SHIELD	-
35	LG	- [With VR30 engine]
35	W	- [With 2.0L turbo gasoline engine]
36	R	-
37	R	- [With VR30 engine]
37	V	- [With 2.0L turbo gasoline engine]
38	L	[With 2.0L turbo gasoline engine and without BOSE system]
38	W	[Except with 2.0L turbo gasoline engine and without BOSE system]
39	P	- [With VR30 engine and without BOSE system]
39	R	- [With 2.0L turbo gasoline engine]
39	V	- [With VR30 engine and with BOSE system]
40	G	-
41	L	-
42	R	-
43	SHIELD	-
44	P	-
45	B	- [With 2.0L turbo gasoline engine]
45	G	- [With VR30 engine]
46	SHIELD	-
47	G	-
48	BG	- [With 2.0L turbo gasoline engine and without BOSE system]
48	BR	- [With VR30 engine and with BOSE system]
48	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
49	G	-
51	L	- [With VR30 engine]
51	V	- [With 2.0L turbo gasoline engine]
52	L	- [With 2.0L turbo gasoline engine]
52	Y	- [With VR30 engine]
53	R	-
54	GR	-
55	L	-
56	P	-
57	R	-
58	LG	-
59	SB	-
60	BR	-
61	L	- [With 2.0L turbo gasoline engine]
61	R	- [With VR30 engine]
62	P	- [With 2.0L turbo gasoline engine]
62	V	- [With VR30 engine]
63	L	-
64	W	-
65	R	-
66	L	- [With 2.0L turbo gasoline engine]
66	R	- [With VR30 engine]
67	G	-
68	L	-
69	P	-
71	GR	- [With 2.0L turbo gasoline engine]
71	R	- [With VR30 engine]
72	G	- [With VR30 engine]
72	V	- [With 2.0L turbo gasoline engine]
73	LG	- [With 2.0L turbo gasoline engine]
73	SHIELD	- [With VR30 engine]
74	L	- [With VR30 engine]
74	LG	- [With 2.0L turbo gasoline engine]
75	P	-
76	SB	- [With 2.0L turbo gasoline engine]
76	V	- [With VR30 engine]

JRNWF7483GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

77	Y	-
78	L	-
79	G	-
80	GR	- [With 2.0L turbo gasoline engine]
80	W	- [With VR30 engine]
81	B	- [With VR30 engine]
81	R	- [With 2.0L turbo gasoline engine]
82	G	- [With 2.0L turbo gasoline engine]
82	SHIELD	- [With VR30 engine]
83	R	- [With 2.0L turbo gasoline engine]
83	W	- [With VR30 engine]
84	BR	- [With VR30 engine]
84	SHIELD	- [With 2.0L turbo gasoline engine]
85	BR	- [With VR30 engine]
85	G	- [With 2.0L turbo gasoline engine]
86	R	-
87	LG	- [With VR30 engine]
87	SHIELD	- [With 2.0L turbo gasoline engine]
88	R	-
89	LG	-
90	SB	-
92	L	- [With 2.0L turbo gasoline engine]
92	W	- [With VR30 engine]
93	SHIELD	-
94	R	-
95	L	- [With 2.0L turbo gasoline engine]
95	Y	- [With VR30 engine]
96	W	-
97	L	- [With VR30 engine]
97	R	- [With 2.0L turbo gasoline engine]
99	BR	- [With VR30 engine and with BOSE system]
99	P	- [With 2.0L turbo gasoline engine]
99	Y	- [With VR30 engine and without BOSE system]
100	BR	- [With VR30 engine]
100	W	- [With 2.0L turbo gasoline engine]

Connector No.	M24
Connector Name	CAN GATEWAY
Connector Type	TH12FW-NH

H.S.

1	3	4	5	6
7	9	10	11	12

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CAN-H (CAN COMMUNICATION CIRCUIT 1)
3	W	BATTERY POWER SUPPLY
4	L	CAN-H (CAN COMMUNICATION CIRCUIT 2)
5	B	GROUND
6	L	CAN-H (CAN COMMUNICATION CIRCUIT 2)
7	P	CAN-L (CAN COMMUNICATION CIRCUIT 1)
9	R	IGNITION POWER SUPPLY [With VR30 engine]
9	W	IGNITION POWER SUPPLY [With 2.0L turbo gasoline engine]
10	R	CAN-L (CAN COMMUNICATION CIRCUIT 2)
11	B	GROUND
12	R	CAN-L (CAN COMMUNICATION CIRCUIT 2)

Connector No.	M25
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW

H.S.

11	12	13	14	16
3	4	5	6	7	8

Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	M_CAN_L
4	B	EARTH
5	B	EARTH
6	L	CAN-H
7	V	KLINE [With 2.0L turbo gasoline engine]
8	W	KLINE [With VR30 engine]
8	W	IGN_SW
11	SB	M_CAN_H
12	R	CAN-L

13	L	CAN-H
14	P	CAN-L
16	W	POWER

Connector No.	M33
Connector Name	WIRE TO WIRE
Connector Type	NH60MW-TS12

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
6	R	-
8	GR	-
9	GR	-
10	W	-
11	SHIELD	-
12	P	-
13	SB	-
14	LG	-
15	Y	-
16	Y	-
17	P	-
18	W/B	-
19	LG	- [With DRPO]
19	Y	- [Without DRPO]
20	V	-
21	B	-
22	BG	- [Without DRPO]
22	G	- [With DRPO]
23	L	-
24	Y	-
25	BG	- [Without DRPO]
25	L	- [With DRPO]
27	GR	-
28	V	-
29	B	-
30	W	-
31	B	-
32	SB	-
33	L	-
34	BR	-
35	LG	-

36	W
37	B
38	R
39	B
40	P
41	SB
43	W
43	Y
44	BG
46	BR
47	G
49	V
50	B
52	BR
53	B
54	L
55	BG
56	LG
57	V
58	R
59	G
60	L
61	G
62	R
63	V
64	B
65	R
66	BR
68	P
69	V
70	W
71	LG
72	V

Connector No.	M34
Connector Name	WIRE TO WIRE
Connector Type	NH60MW-TS12

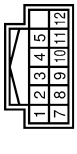
H.S.

JRNWF7484GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

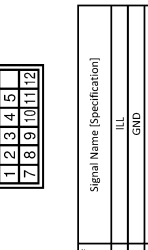
Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	R	-
5	L	-
6	R	-
8	W	-
9	GR	-
10	V	-
11	Y	-
13	LG	-
16	G	-
17	B	-
18	W	-
19	B	-
20	SB	- [With DRPO]
20	Y	- [Without DRPO]
21	SHIELD	-
22	B	-
23	BG	- [Without DRPO]
23	P	- [With DRPO]
24	G	-
25	LG	-
26	BG	- [Without DRPO]
26	BR	- [With DRPO]
27	R	-
28	SB	-
29	BG	- [Without DRPO]
29	W/B	- [With DRPO]
30	L	-
38	R	-
39	B	-
49	P	-
51	V	-
52	V	-
55	B	-
56	SB	-
57	G	-
58	G	-
59	LG	-
60	R	-
63	B	-
64	R	-
65	BR	-
66	Y	-
69	BR	-
70	Y	-
71	SB	-
72	W	-

Connector No.	M55
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH12FW-NH



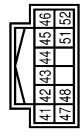
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	ILL
2	W	GND
3	R	ENCD-B SIGNAL
4	R	PUSH SWITCH A SIGNAL
5	W	PUSH SWITCH C SIGNAL
7	V	ILLUMINATION CONTROL SIGNAL
8	W	ENCD-A SIGNAL
9	G	SELECT SWITCH SIGNAL
10	B	PUSH SWITCH B SIGNAL
11	B	SHIELD
12	L	L/R_DETECTION SIGNAL

Connector No.	M57
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
6	GR	STOP/START OFF SWITCH INDICATOR SIGNAL
7	G	SECURITY SIGNAL
8	B	-
11	W	ALTERNATOR SIGNAL
14	V	ACC POWER SUPPLY
16	V	AIR BAG SIGNAL
17	BR	METER CONTROL SWITCH GROUND
18	SB	TRIP/RESET SIGNAL
21	B	STEERING SWITCH SIGNAL GROUND
22	P	STEERING SWITCH SIGNAL A
23	W/B	STEERING SWITCH SIGNAL B
24	L	WASHER LEVEL SWITCH SIGNAL
25	LG	BRAKE FLUID LEVEL SWITCH SIGNAL
26	V	PARKING BRAKE SWITCH SIGNAL
27	G	PASSENGER SEAT BELT WARNING SIGNAL
28	W	SEAT BELT BUCKLE SWITCH SIGNAL [DRIVER SIDE]
30	G	MANUAL MODE SIGNAL [With 2.0L turbo gasoline engine models]
30	SB	MANUAL MODE SIGNAL [With VR30DDTT engine models]
31	G	NON-MANUAL MODE SIGNAL [With 2.0L turbo gasoline engine models]
31	L	NON-MANUAL MODE SIGNAL [With VR30DDTT engine models]
32	BG	MANUAL MODE SHIFT UP SIGNAL
33	GR	MANUAL MODE SHIFT DOWN SIGNAL [With VR30DDTT engine models]
33	P	MANUAL MODE SHIFT DOWN SIGNAL [With 2.0L turbo gasoline engine models]
34	BG	PADDLE SHIFTER UP SWITCH SIGNAL
35	G	PADDLE SHIFTER DOWN SWITCH SIGNAL
36	V	ILLUMINATION CONTROL SWITCH SIGNAL (+)
37	GR	ILLUMINATION CONTROL SWITCH SIGNAL (-)
38	R	VEHICLE SPEED SIGNAL [8-PULSE]

Connector No.	M58
Connector Name	COMBINATION METER
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
41	L	CAN-H
42	P	CAN-L
43	B	ILLUMINATION CONTROL SIGNAL
44	Y	FUEL LEVEL SENSOR GROUND
45	W	BATTERY POWER SUPPLY
46	BG	IGNITION SIGNAL [With 2.0L turbo gasoline engine models]
46	R	IGNITION SIGNAL [With VR30DDTT engine models]
47	SB	AV COMMUNICATION SIGNAL [H]
48	LG	AV COMMUNICATION SIGNAL [L]
51	BR	FUEL LEVEL SENSOR SIGNAL
52	B	GROUND

Connector No.	M60
Connector Name	NAVI CONTROL UNIT
Connector Type	TH28FW

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	BATTERY POWER SUPPLY
3	B	GROUND
5	SB	ACC POWER SUPPLY
7	R	VEHICLE SPEED SIGNAL [8-PULSE]
12	G	MICROPHONE SIGNAL
13	SHIELD	SHIELD
14	W	VOICE GUIDANCE SIGNAL OUTPUT (+)
15	Y	BATTERY POWER SUPPLY
17	B	GROUND
19	W	IGNITION SIGNAL
21	BR	REVERSE SIGNAL
26	R	MICROPHONE SIGNAL GROUND
27	SHIELD	SHIELD
28	B	VOICE GUIDANCE SIGNAL OUTPUT (-)

Connector No.	M61
Connector Name	NAVI CONTROL UNIT
Connector Type	Tyco_1554987-3

Terminal No.	Color Of Wire	Signal Name [Specification]
31	W	LVDS (+)
32	B	LVDS (-)
33	SHIELD	SHIELD

JRNWF7485GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	M62
Connector Name	NAVI CONTROL UNIT
Connector Type	Tyco_1554987-4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
34	G	USB GROUND
35	W	USB V BUS SIGNAL
36	R	USB D- SIGNAL
37	L	USB D+ SIGNAL
38	SHIELD	SHIELD

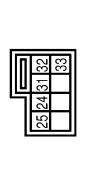
Connector No.	M87
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FGY-1V

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
24	P	-
25	SB	-
31	W/B	-
32	Y	-
33	B	-

Connector No.	M92
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BR	-
3	V	-
4	R	-
5	GR	-
6	V	-
7	L	-
9	P	-
10	GR	-
11	SB	-
12	W	-
13	G	-
14	BR	-
15	P	-
16	LG	-

Connector No.	M63
Connector Name	NAVI CONTROL UNIT
Connector Type	Tyco_1554987-5

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
39	G	USB GROUND
40	W	USB V BUS SIGNAL
41	R	USB D- SIGNAL
42	L	USB D+ SIGNAL
43	SHIELD	SHIELD

Connector No.	M96
Connector Name	CENTER SQUAWKER
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	GR	-

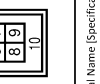
Connector No.	M97
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS02FL-M2-LC

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	SB	- [With 2.0L turbo gasoline engine]
2	W	- [With VR30 engine]
3	R	-
5	BR	-

Connector No.	M98
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-5

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	USB GROUND
2	W	USB V BUS SIGNAL
3	R	USB D- SIGNAL
4	L	USB D+ SIGNAL
5	SHIELD	SHIELD

Connector No.	M99
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
6	G	USB GROUND
7	W	USB V BUS SIGNAL
8	R	USB D- SIGNAL
9	L	USB D+ SIGNAL
10	SHIELD	SHIELD

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INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

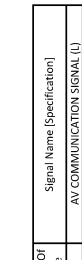
Connector No.	M100
Connector Name	DISPLAY CONTROL UNIT
Connector Type	TH24FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
16	LG	AV COMMUNICATION SIGNAL (L)
17	P	CAN-L
19	R	DIMMER SIGNAL
20	BR	REVERSE SIGNAL
22	B	GROUND
26	BR	CAMERA SWITCH SIGNAL
28	SB	AV COMMUNICATION SIGNAL (H)
29	L	CAN-H
30	R	IGNITION SIGNAL [With VR30 engine]
30	W	IGNITION SIGNAL [With 2.0L turbo gasoline engine]
31	R	VEHICLE SPEED SIGNAL (8-PULSE)
33	SB	ACC POWER SUPPLY
34	Y	BATTERY POWER SUPPLY

Connector No.	M101
Connector Name	DISPLAY CONTROL UNIT
Connector Type	TH40FW-NH

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
38	SHIELD	SHIELD
40	SHIELD	MANUFACTURER SPECIFIC SIGNAL
42	G	SOUND SIGNAL RH (-)
43	SHIELD	SHIELD
44	L	SOUND SIGNAL LH (-)
45	W	TEL VOICE SIGNAL (-)
46	SHIELD	SHIELD
47	R	VOICE GUIDANCE SIGNAL OUTPUT (-)
48	B	VOICE GUIDANCE SIGNAL INPUT (-)
49	W	NS ON/OFF SIGNAL
50	R	MICROPHONE SIGNAL GROUND (WITH NAVIGATION)
51	SHIELD	SHIELD
52	SHIELD	MICROPHONE SIGNAL GROUND
54	W	CAMERA POWER SUPPLY GROUND
55	SHIELD	SHIELD
56	BR	COMPOSITE IMAGE SIGNAL (+)
58	B	CAMERA IMAGE SIGNAL
60	W	SOUND SIGNAL (-)
61	B	SOUND SIGNAL (+)
62	R	SOUND SIGNAL RH (+)
63	SHIELD	SHIELD
64	V	SOUND SIGNAL LH (+)
65	B	TEL VOICE SIGNAL (+)
66	SHIELD	SHIELD
67	G	VOICE GUIDANCE SIGNAL OUTPUT (+)
68	W	VOICE GUIDANCE SIGNAL INPUT (+)
69	SHIELD	SHIELD
70	G	MICROPHONE SIGNAL (NAVI)
71	G	MICROPHONE SIGNAL [Without telematics system]
71	R	MICROPHONE SIGNAL [With telematics system]
72	L	MICROPHONE VCC
74	R	CAMERA POWER SUPPLY

Connector No.	M102
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-3

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
77	W	LVDS (+)
78	B	LVDS (-)
79	SHIELD	SHIELD

Connector No.	M103
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-1

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
80	G	USB GROUND
81	W	USB V BUS SIGNAL
82	R	USB D- SIGNAL
83	L	USB D+ SIGNAL
84	SHIELD	SHIELD

Connector No.	M105
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-6

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
92	W	LVDS (+)
93	B	LVDS (-)
94	SHIELD	SHIELD

Connector No.	M112
Connector Name	FRONT SQUAWKER RH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	L	-

Connector No.	M115
Connector Name	FRONT SQUAWKER LH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	V	-

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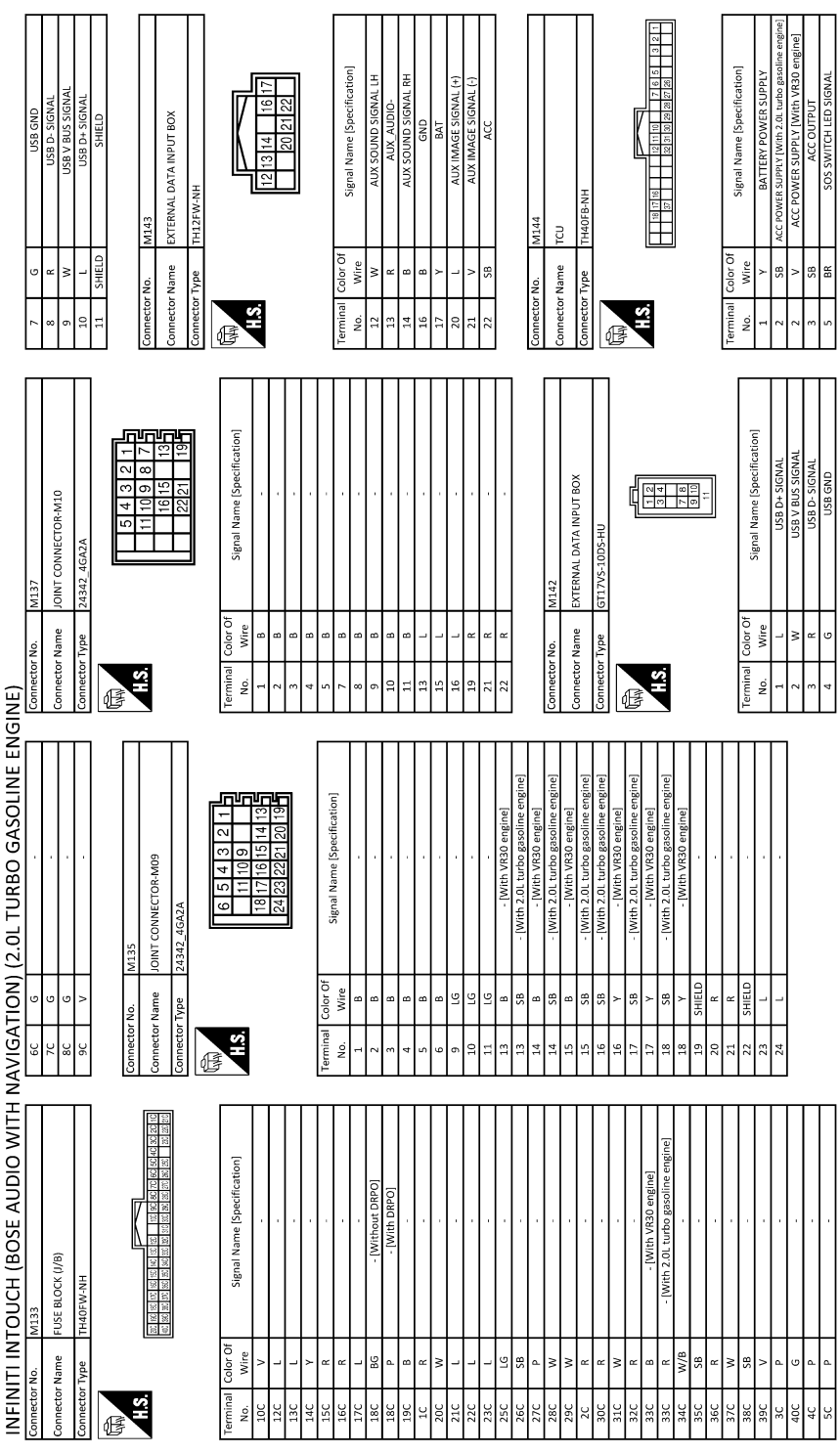
INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)



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INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

6	L	CAN-H
7	P	CAN-L
10	R	IGNITION SIGNAL [With VR30 engine]
10	W	IGNITION SIGNAL [With 2.0L turbo gasoline engine]
11	SHIELD	MICROPHONE SIGNAL GROUND
12	R	MICROPHONE SIGNAL
16	SHIELD	SHIELD
17	G	MICROPHONE SIGNAL
18	L	MICROPHONE VCC
26	SB	AV COMMUNICATION SIGNAL (H)
27	LG	AV COMMUNICATION SIGNAL (L)
28	B	GROUND
29	B	GROUND
30	SHIELD	SHIELD
31	B	SOUND SIGNAL (+)
32	W	SOUND SIGNAL (-)
37	G	SOS CALL SWITCH SIGNAL

Connector No.	M146
Connector Name	WIRE TO WIRE
Connector Type	TK36MW-NS10

H.S.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Terminal No.	Color Of Wire	Signal Name [Specification]
5	R	-
8	GR	-
9	V	-
10	BG	-
11	L	-
12	P	-
13	SB	-
14	Y	-
15	G	-
16	BR	-
17	W	-
18	R	-
19	L	-
20	SHIELD	-
21	BR	-
22	B	-
23	G	-
24	L	-
25	R	-
26	G	-
28	L	-
29	P	-
30	Y	-
31	GR	-
32	SB	-
33	BG	-
34	W	-
35	G	-
36	R	-
37	SHIELD	-
38	B	-
39	W	-
40	B	-
41	GR	-
42	B	-
43	LG	-
44	B	-
45	SB	-
46	B	-

Connector No.	M159
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-NH

H.S.

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	BR	-
4	R	-
5	GR	-
6	W	-
9	SHIELD	-
10	W	-
11	R	-
12	L	-
13	G	-
14	W	- [With VR30 engine]
14	Y	- [With 2.0L turbo gasoline engine]
15	B	-
17	B	-
19	R	-
20	BG	- [With 3.0L twin-scroll supercharged gasoline engine and with BOSE system]
20	BR	- [With VR30 engine and with BOSE system]
20	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
21	R	-
22	G	-
24	B	-
25	W	-
26	R	-
28	B	-
29	G	-
30	L	-
31	R	-
32	W	-
33	L	-
36	V	-
38	LG	- [With 2.0L turbo gasoline engine and without BOSE system]
40	L	- [Except with 2.0L turbo gasoline engine and without BOSE system]
40	W	- [Except with 2.0L turbo gasoline engine and without BOSE system]

Connector No.	M160
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS

H.S.

3		2	1
8	7	6	5	4

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	LG	-
3	BR	-
4	R	-
6	B	-
7	R	-
8	V	-

Connector No.	M163
Connector Name	AV CONTROL UNIT
Connector Type	NH18FW-CS2

H.S.

19	10	11	12	13	14				1	2	3	4	5	6	7	8	9		20

Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	SHIELD
2	L	SOUND SIGNAL FRONT LH (+)
3	R	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (+)
5	SB	SOUND SIGNAL REAR LH (-)
7	SB	ACC POWER SUPPLY
8	W/B	DISK EJECT SIGNAL
9	BG	DISK EJECT SIGNAL GROUND
10	SHIELD	SHIELD
11	LG	SOUND SIGNAL FRONT RH (+)
12	P	SOUND SIGNAL FRONT RH (-)
13	L	SOUND SIGNAL REAR RH (+)
14	P	SOUND SIGNAL REAR RH (-)
19	Y	BATTERY POWER SUPPLY
20	B	GROUND

Connector No.	M164
Connector Name	AV CONTROL UNIT
Connector Type	TH40FW-NH

H.S.

22																		38	39	40
2																		56	57	
4																				

Terminal No.	Color Of Wire	Signal Name [Specification]
22	LG	AV COMMUNICATION SIGNAL (L)
36	L	AUX IMAGE SIGNAL (+)
38	BR	COMPOSITE IMAGE SIGNAL (+)
39	LG	COMPOSITE IMAGE SIGNAL (-)
40	SHIELD	SHIELD

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INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

42	SB	AV COMMUNICATION SIGNAL (H)
56	V	AUX IMAGE SIGNAL (-)
57	SHIELD	SHIELD

Connector No.	M165
Connector Name	AV CONTROL UNIT
Connector Type	TH12FW-NH

H.S.

61	62	63		65	66
67	68	69		71	72

Terminal No.	Color Of Wire	Signal Name [Specification]
61	V	SOUND SIGNAL LH (+)
62	R	SOUND SIGNAL RH (+)
63	SHIELD	SHIELD
65	SHIELD	SHIELD
66	W	AUX SOUND SIGNAL LH
67	L	SOUND SIGNAL LH (-)
68	G	SOUND SIGNAL RH (-)
69	SHIELD	SHIELD
71	R	AUX SOUND SIGNAL GROUND
72	B	AUX SOUND SIGNAL RH

Connector No.	M166
Connector Name	AV CONTROL UNIT
Connector Type	TH16FW-NH

H.S.

73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88

Terminal No.	Color Of Wire	Signal Name [Specification]
73	B	TEL VOICE SIGNAL (+)
74	SHIELD	SHIELD
75	G	VOICE GUIDANCE SIGNAL OUTPUT (+)
76	B	SHIELD
77	G	SOUND SIGNAL FRONT LH (+)
78	L	SOUND SIGNAL FRONT LH (-)
79	LG	SOUND SIGNAL REAR LH (+)
80	P	SOUND SIGNAL REAR LH (-)
81	W	TEL VOICE SIGNAL (-)
82	SHIELD	SHIELD
83	R	VOICE GUIDANCE SIGNAL OUTPUT (-)
84	B	SHIELD
85	R	SOUND SIGNAL FRONT RH (+)
86	L	SOUND SIGNAL FRONT RH (-)
87	B	SOUND SIGNAL REAR RH (+)
88	W	SOUND SIGNAL REAR RH (-)

Connector No.	M167
Connector Name	AV CONTROL UNIT
Connector Type	Tyco_1554987-1

H.S.

89	90
91	92
93	

Terminal No.	Color Of Wire	Signal Name [Specification]
89	G	USB GROUND
90	W	USB V BUS SIGNAL
91	R	USB D- SIGNAL
92	L	USB D+ SIGNAL
93	SHIELD	SHIELD

Connector No.	M171
Connector Name	JOINT CONNECTOR-M01
Connector Type	24342_4GA2A

H.S.

6	5	4	3	2	1
	11	10	9	8	7
18	17	16	15	14	13
24	23	22		20	19

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-
4	B	-
5	B	-
6	B	-
7	B	-
8	B	-
9	B	-
10	G	-
11	G	-
13	B	-
14	B	-
15	B	-
16	SB	- [With VR30 engine]
16	Y	- [With 2.0L turbo gasoline engine]
17	SB	- [With VR30 engine]
17	Y	- [With 2.0L turbo gasoline engine]
18	SB	- [With VR30 engine]
18	Y	- [With 2.0L turbo gasoline engine]
19	G	-
20	G	-
22	LG	- [With VR30 engine]
22	SB	- [With 2.0L turbo gasoline engine]
23	LG	- [With VR30 engine]
23	SB	- [With 2.0L turbo gasoline engine]
24	LG	- [With VR30 engine]
24	SB	- [With 2.0L turbo gasoline engine]

Connector No.	M173
Connector Name	JOINT CONNECTOR-M03
Connector Type	24342_4GA2A

H.S.

6	5	4	3	2	1
12	11	10	9	8	7
18	17	16	15	14	13
24	23	22	21	20	19

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	L	-
3	L	-
4	L	-
5	L	-
6	L	-
7	R	-
8	R	-
9	R	-
10	R	-
11	R	-
12	R	-
13	SB	-
14	SB	-
15	SB	-
16	L	- [With 2.0L turbo gasoline engine]
16	SB	- [With VR30 engine]
17	L	- [With 2.0L turbo gasoline engine]
17	SB	- [With VR30 engine]
18	L	- [With 2.0L turbo gasoline engine]
18	SB	- [With VR30 engine]
19	BR	- [With VR30 engine]
19	LG	- [With 2.0L turbo gasoline engine]
20	BR	- [With VR30 engine]
20	LG	- [With 2.0L turbo gasoline engine]
21	BR	- [With VR30 engine]
21	LG	- [With 2.0L turbo gasoline engine]
22	R	- [With 2.0L turbo gasoline engine]
22	SB	- [With VR30 engine]
23	R	- [With 2.0L turbo gasoline engine]
23	SB	- [With VR30 engine]
24	R	- [With 2.0L turbo gasoline engine]
24	SB	- [With VR30 engine]

Connector No.	M174
Connector Name	JOINT CONNECTOR-M04
Connector Type	24342_4GA2A

H.S.

6	5	4	3		
12	11	10	9		
18	17	16	15	14	13
24	23	22	21	20	19

Terminal No.	Color Of Wire	Signal Name [Specification]
3	L	-
4	L	-
5	L	-
6	L	-
9	Y	-

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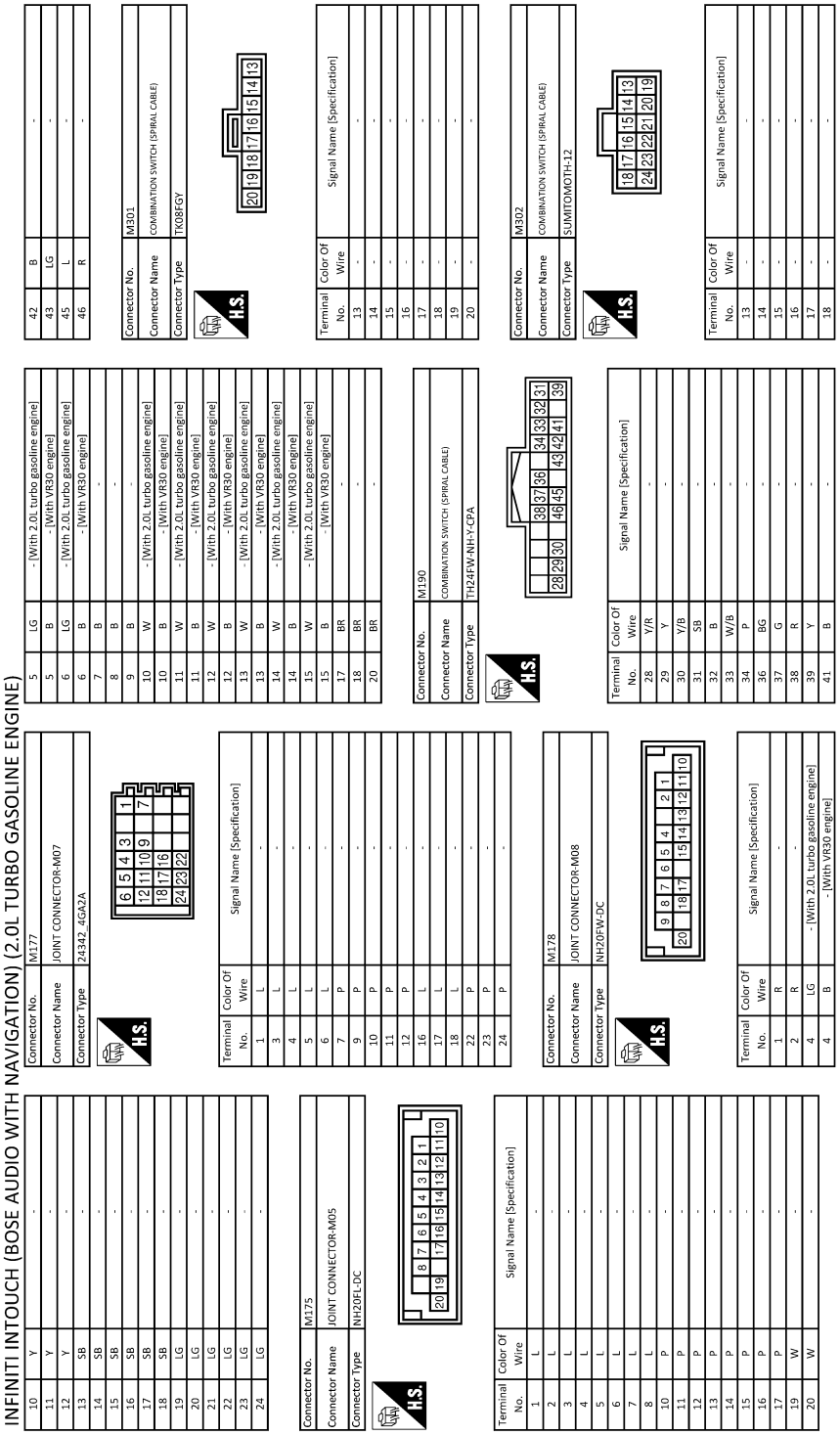

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INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

19	-
20	-
21	-
22	-
23	-
24	-

Connector No.	M375
Connector Name	WIRE TO WIRE
Connector Type	GT133C-2.1S-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-
3	-	-

Connector No.	M376
Connector Name	WIRE TO WIRE
Connector Type	GT133CN-2.1PP-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-
3	-	-

Connector No.	M386
Connector Name	ANTENNA AMP.
Connector Type	GT133SN-1.1PP-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	ANTENNA AMP. ON SIGNAL
2	-	AM-FM MAIN

Connector No.	M389
Connector Name	WINDOW ANTENNA (FM SUB)
Connector Type	P01FB-A

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-

Connector No.	M390
Connector Name	WINDOW ANTENNA (AM/FM MAIN)
Connector Type	P01FB-A

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-

Connector No.	M394
Connector Name	AV CONTROL UNIT
Connector Type	GT133SH-2.1S-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
150	-	FM SUB
151	-	AM-FM MAIN
152	-	ANTENNA AMP. ON SIGNAL

Connector No.	M395
Connector Name	NAVI CONTROL UNIT
Connector Type	GT5-1S-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
44	-	GPS ANTENNA SIGNAL
45	-	SHIELD

Connector No.	M396
Connector Name	WIRE TO WIRE
Connector Type	GT16-1S-HU(B)

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-

Connector No.	M397
Connector Name	WIRE TO WIRE
Connector Type	GT133CN-1.1PP-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-

Connector No.	M398
Connector Name	WIRE TO WIRE
Connector Type	GT133S-1.1S-HU

H.S.

JRNWF7492GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	M399
Connector Name	WIRE TO WIRE
Connector Type	GT13SSN-1-1PP-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	M414
Connector Name	AV CONTROL UNIT
Connector Type	FAKRA

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
176	-	SATELLITE RADIO ANTENNA SIGNAL
177	SHIELD	SHIELD

Connector No.	M415
Connector Name	WIRE TO WIRE
Connector Type	GT16C-1S-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	SHIELD	-

Connector No.	M416
Connector Name	WIRE TO WIRE
Connector Type	GT16C-1PP-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	SHIELD	-

Connector No.	M417
Connector Name	WIRE TO WIRE
Connector Type	GT16C-1S-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	SHIELD	-

Connector No.	M418
Connector Name	WIRE TO WIRE
Connector Type	GT16C-1PP-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	SHIELD	-

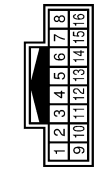
Connector No.	M419
Connector Name	SATELLITE RADIO ANTENNA
Connector Type	GT16C-1PP-HU

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	SHIELD	-

Connector No.	R6
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	- [With VR30 engine]
1	SB	- [With 2.0L turbo gasoline engine]
2	BR	-
4	V	-
6	SB	-
7	R	-
8	G	-
9	L	- [With 2.0L turbo gasoline engine]
9	W	- [With VR30 engine]
11	LG	-
12	G	-
13	B	-

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INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

Connector No.	R12
Connector Name	MICROPHONE
Connector Type	A06FW

H.S.

1 2 4 5

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	SHIELD	-
4	L	-
5	W	-

Connector No.	R14
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH

H.S.

8 7 6 5 4 3 2 1
16 15 14 13 12 11 10 9

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	- [With VR30 engine]
1	SB	- [With 2.0L turbo gasoline engine]
2	BR	-
4	V	-
6	SB	-
7	R	-
8	G	-
9	L	- [With 2.0L turbo gasoline engine]
9	W	- [With VR30 engine]
11	LG	-
12	G	-
13	B	-

Connector No.	R15
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-NH

H.S.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	LG	-
3	BR	-
4	V	-
5	BG	-
6	GR	-
9	SHIELD	-
10	GR	-
11	R	-
12	L	-
13	G	-
14	W	- [With VR30 engine]
14	Y	- [With 2.0L turbo gasoline engine]
15	B	-
17	SB	-
19	BG	-
20	BG	- [Without BOSE system]
20	BR	- [With BOSE system]
21	R	-
22	G	-
24	B	-
25	P	-
26	BR	-
28	B	-
29	R	-
30	L	-
31	V	-
32	W	-
33	L	-
36	BR	-
38	SB	-
40	W	-

Connector No.	R16
Connector Name	WIRE TO WIRE
Connector Type	NS03BMW-CS

H.S.

1 2 3
4 5 6 7 8

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	Y	-
4	W	-
6	B	-
7	GR	-
8	V	-

Connector No.	R19
Connector Name	FRONT MICROPHONE (LH) (ACTIVE NOISE CANCELLATION)
Connector Type	TK02FBR

H.S.

1 2

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	LG	-

Connector No.	R20
Connector Name	FRONT MICROPHONE (RH) (ACTIVE NOISE CANCELLATION)
Connector Type	TK02FBR

H.S.

1 2

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	BR	-

Connector No.	T48
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS

H.S.

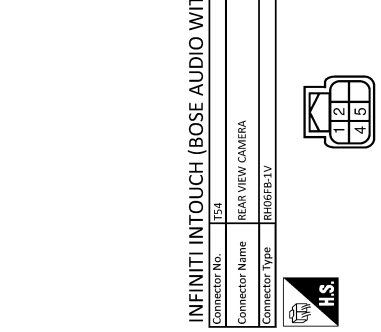
7 6 5 4 3 2 1 8
16 15 14 13 12 11 10 9

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BG	-
4	L	-
5	P	-
6	G	-
8	B	-
9	R	-
10	P	-
11	L	-
13	G	- [With around view monitor]
13	L	- [With rear view monitor]
14	B	- [With rear view monitor]
14	R	- [With around view monitor]
15	B	- [With around view monitor]
15	W	- [With rear view monitor]
16	R	- [With rear view monitor]
16	W	- [With around view monitor]

JRNWF7494GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (2.0L TURBO GASOLINE ENGINE)

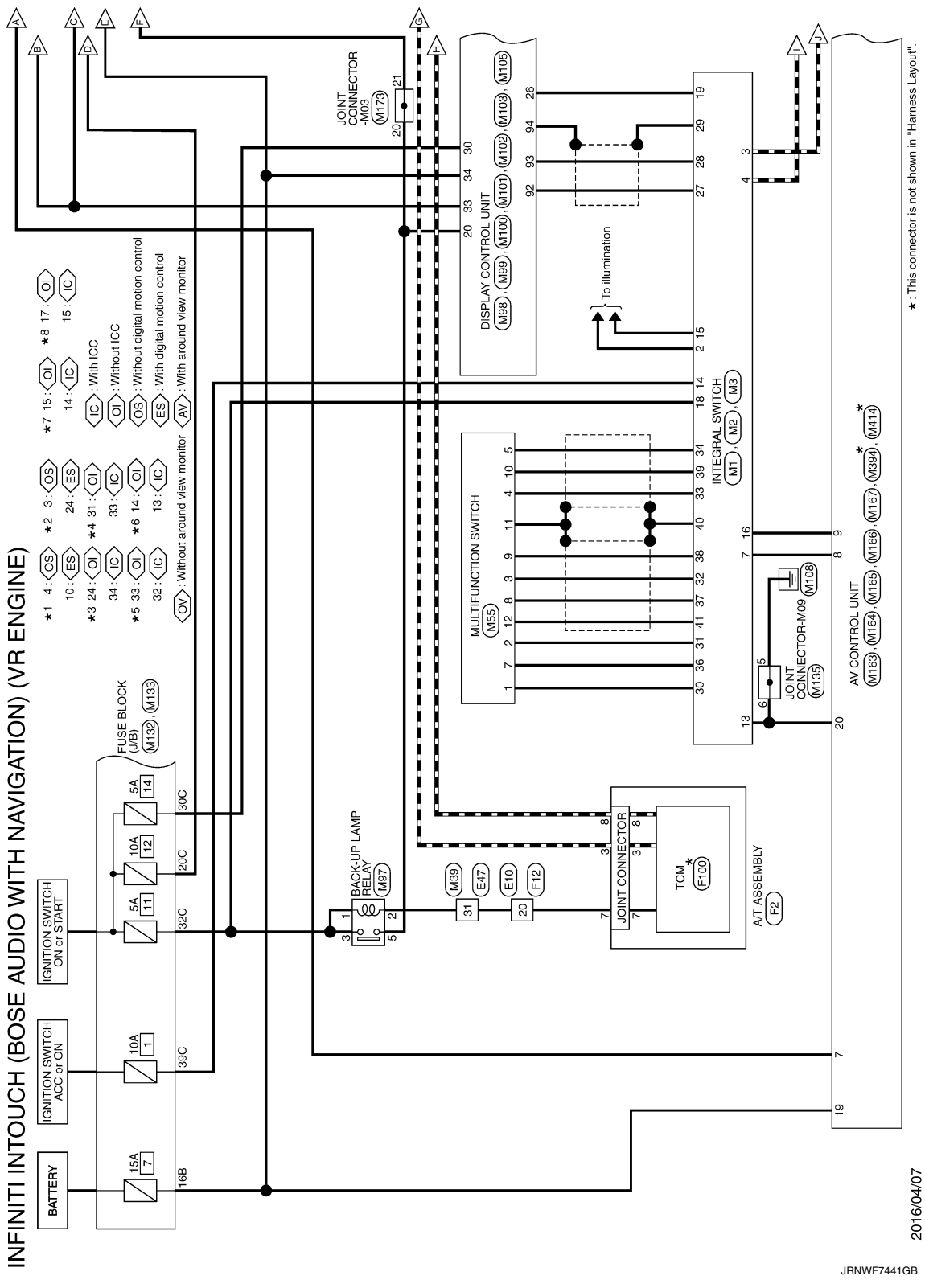
Connector No.	T54
Connector Name	REAR VIEW CAMERA
Connector Type	RH06FB-1V

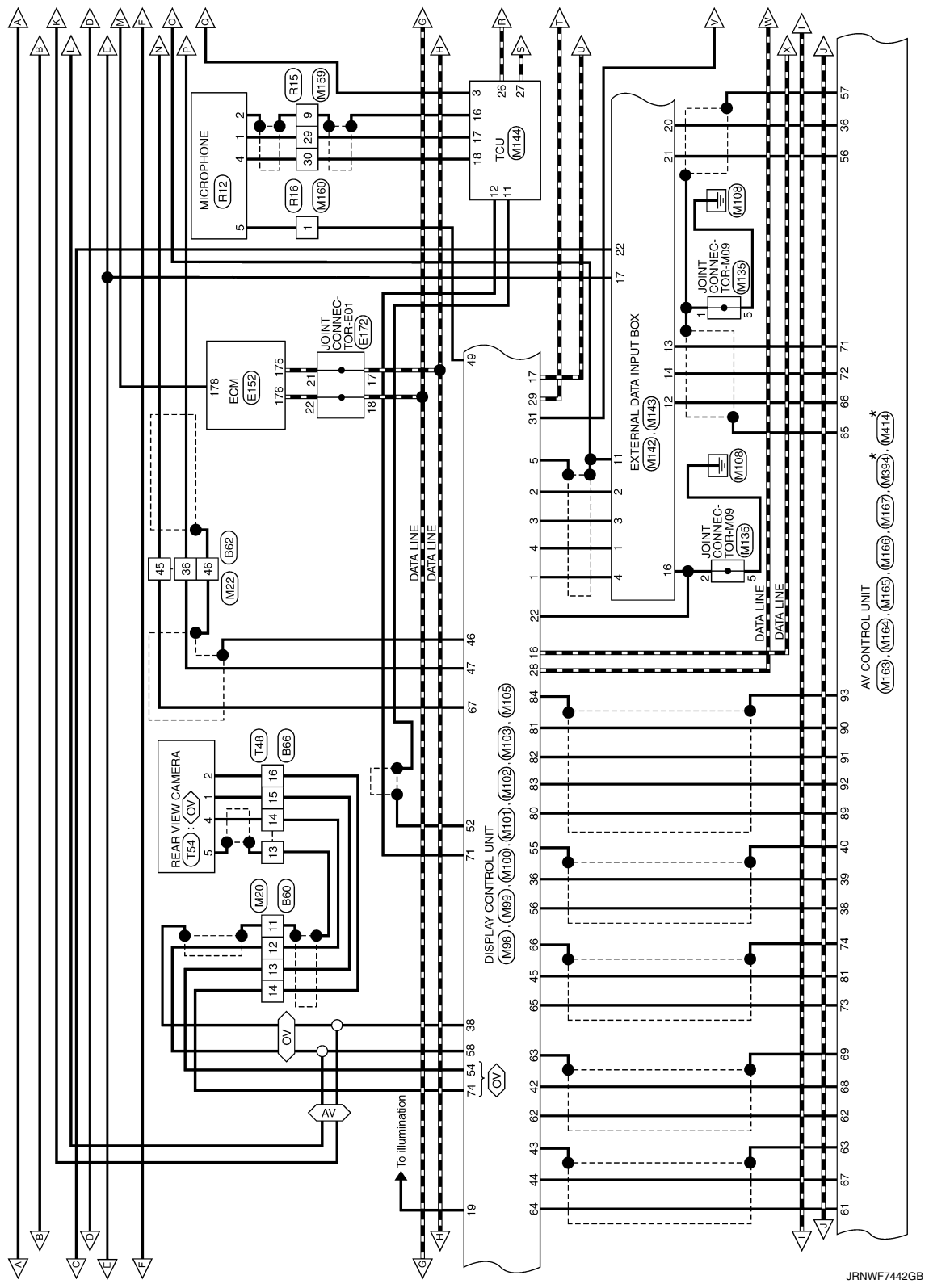


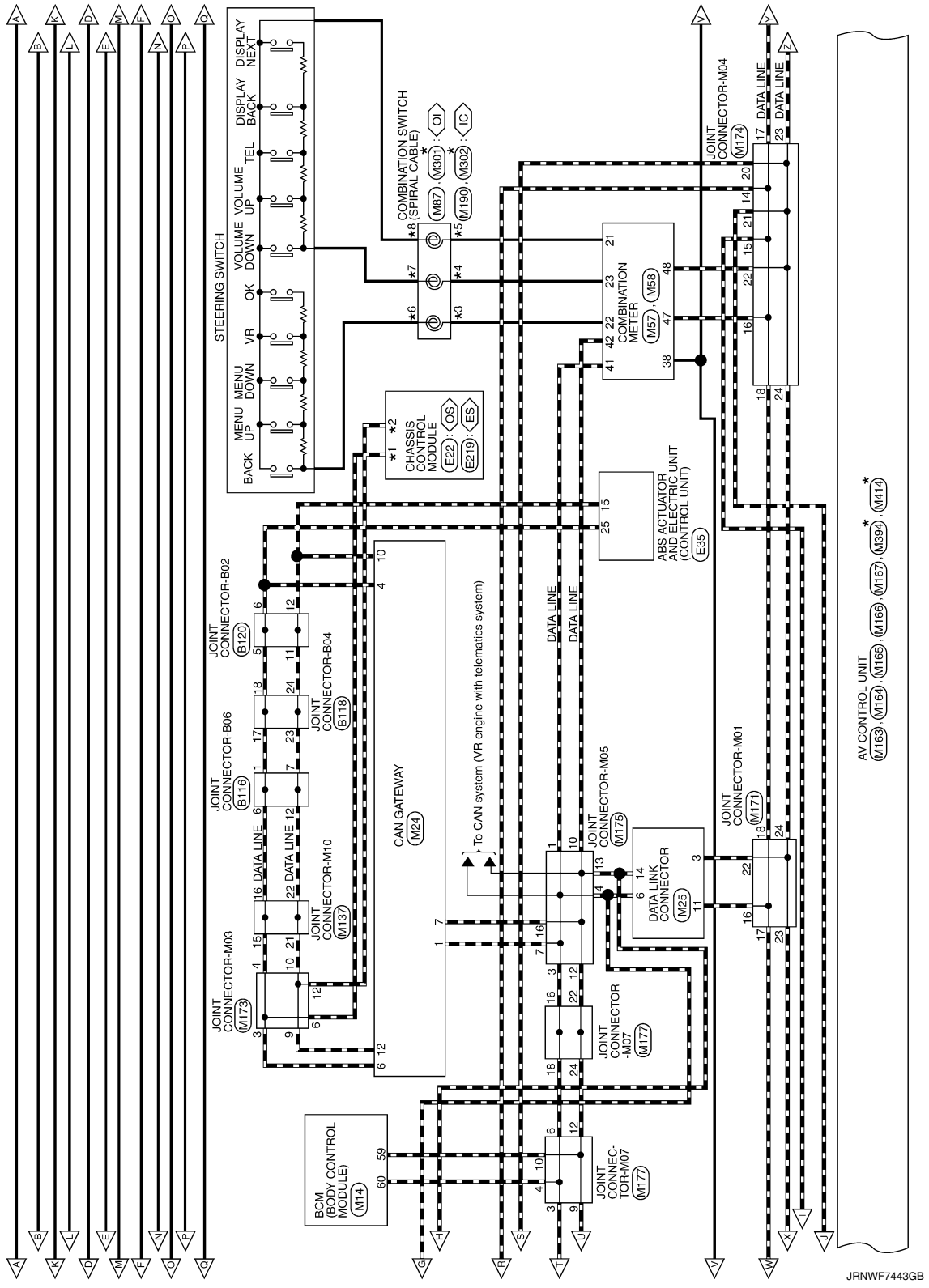
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	GND
2	R	CAMAERA_ON
4	B	COMP+
5	L	COMP-

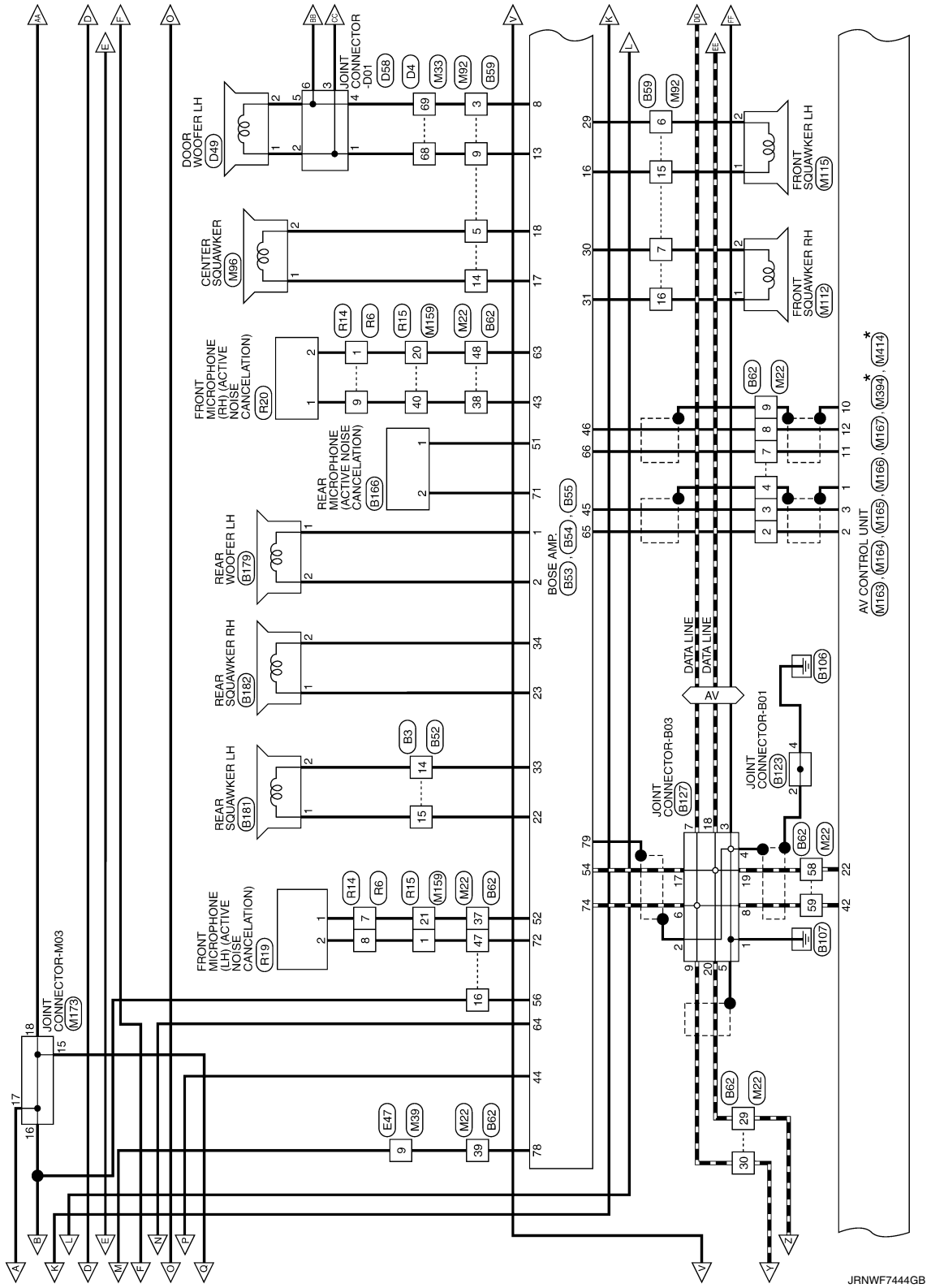
JRNWF7918GB

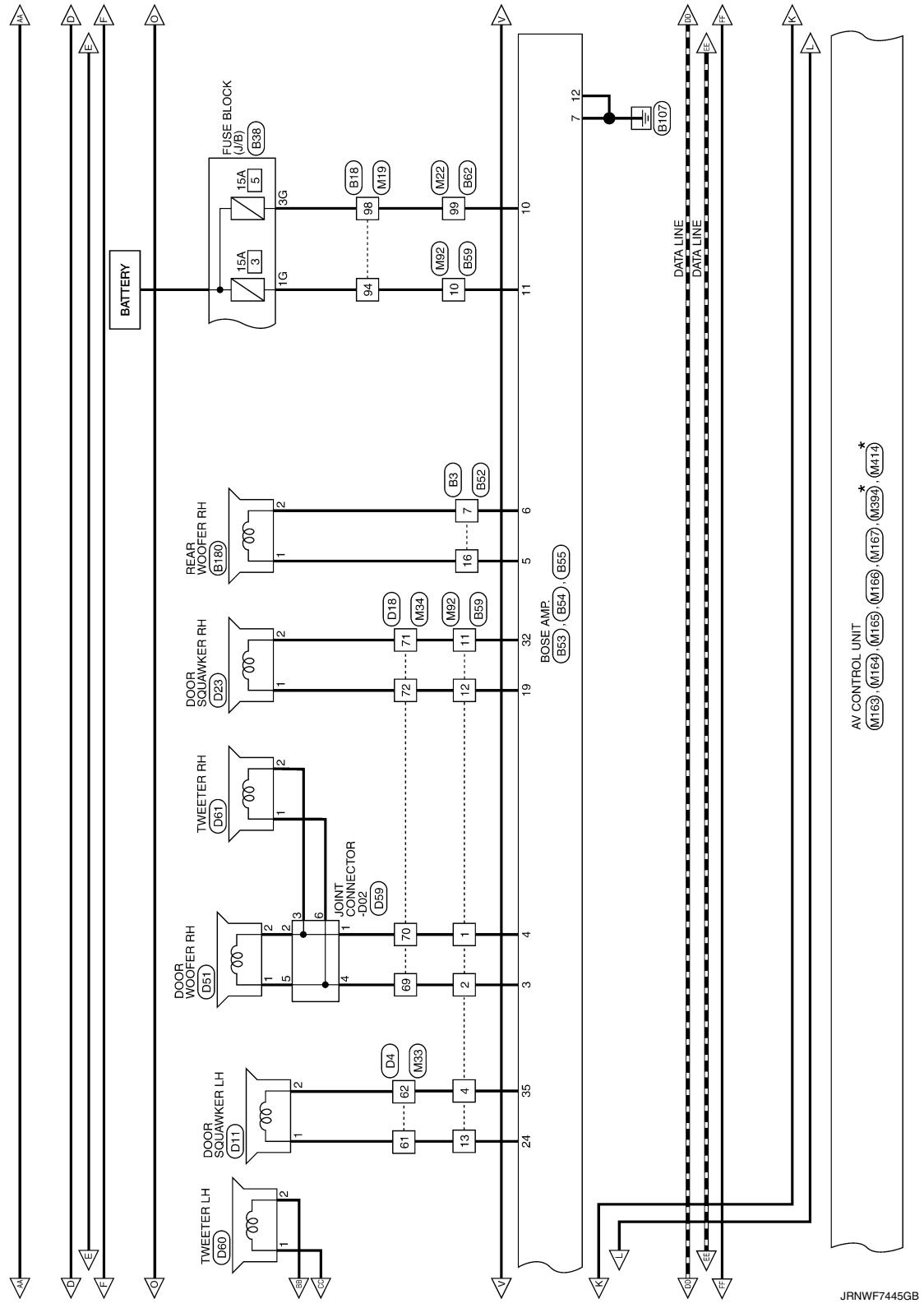
VR ENGINE

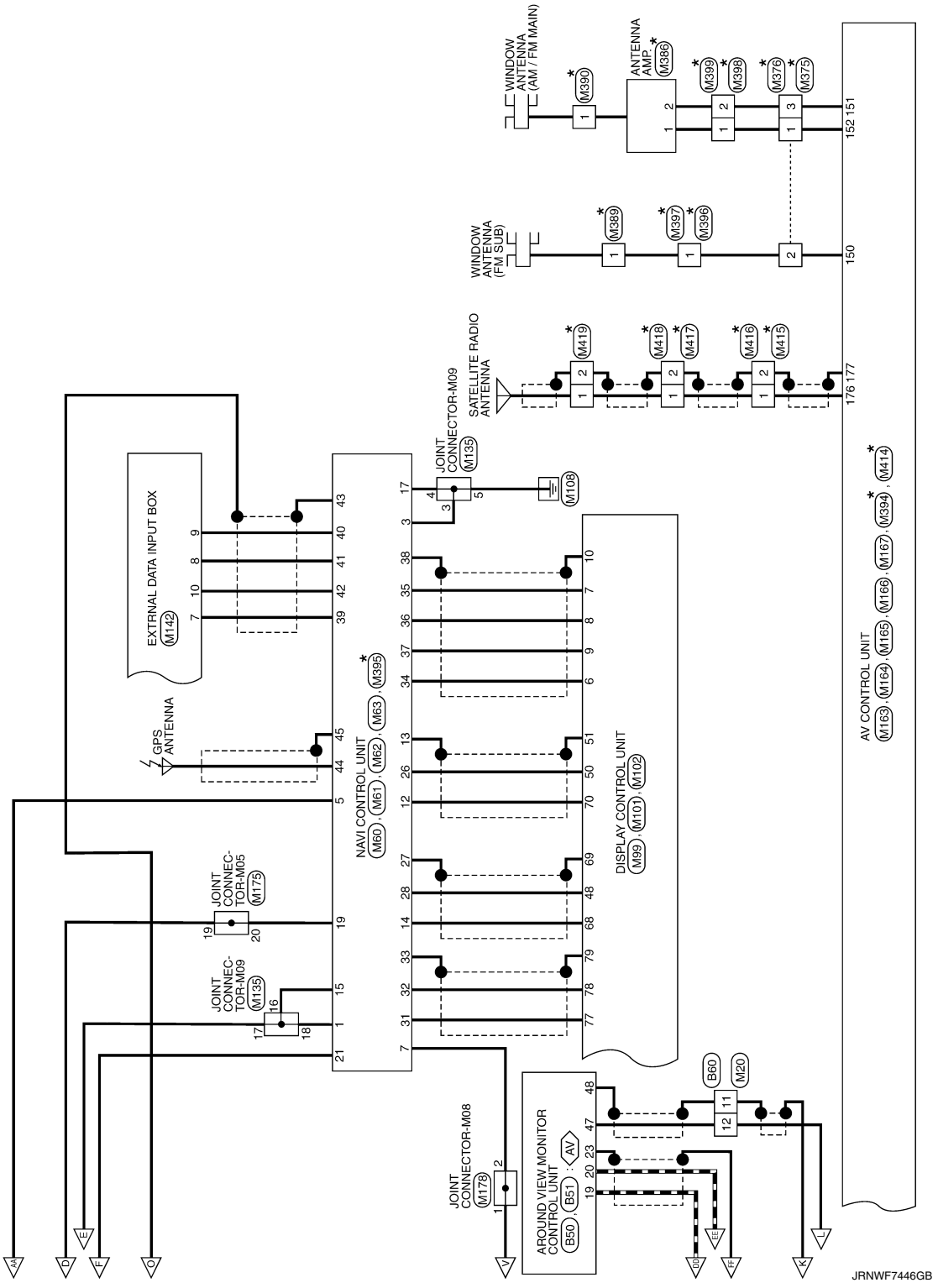

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)
BATTERY
IGNITION SWITCH ACC or ON
IGNITION SWITCH ON or START
FUSE BLOCK (J/B) M132 M133
15A 7
10A 1
5A 11
10A 12
5A 14
16B
39C
32C
20C
30C
BACK-UP LAMP RELAY M97
M39
E47
E10
F12
31
20
JOINT CONNECTOR
TCM F100
A/T ASSEMBLY F2
JOINT CONNECTOR -M03 M173
DISPLAY CONTROL UNIT M98 M99 M100 M101 M102 M103 M105
To illumination
INTEGRAL SWITCH M1 M2 M3
MULTIFUNCTION SWITCH M55
JOINT CONNECTOR-M09 M108
JOINT CONNECTOR M135
AV CONTROL UNIT M163 M164 M165 M166 M167 M394 M414
*1 4 : OS 10 : ES
*2 3 : OS 24 : ES
*3 24 : OI 34 : IC
*4 31 : OI 33 : IC
*5 33 : OI 32 : IC
*6 14 : OI 13 : IC
*7 15 : OI 14 : IC
*8 17 : OI 15 : IC
OV : Without around view monitor
IC : With ICC
OI : Without ICC
OS : Without digital motion control
ES : With digital motion control
AV : With around view monitor
*: This connector is not shown in "Harness Layout".
2016/04/07
JRNWF7441GB


MICROPHONE
R12
R15
M159
R16
M160
TCU
M144
ECM
E152
JOINT CONNEC-TOR-E01
E172
JOINT CONNEC-TOR-M09
M135
M108
EXTERNAL DATA INPUT BOX
M142, M143
REAR VIEW CAMERA
T54
T48
B66
M20
B60
B62
M22
DISPLAY CONTROL UNIT
M98, M99, M100, M101, M102, M103, M105
AV CONTROL UNIT
M163, M164, M165, M166, M167, M394*, M414*
DATA LINE
To illumination
OV
AV
JRNWF7442GB


STEERING SWITCH
BACK
MENU UP
MENU DOWN
VR
OK
VOLUME DOWN
VOLUME UP
TEL
DISPLAY BACK
DISPLAY NEXT
COMBINATION SWITCH (SPIRAL CABLE)
CHASSIS CONTROL MODULE
E22
E219
OS
ES
COMBINATION METER
M57
M58
JOINT CONNECTOR-M04
M174
DATA LINE
ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
E35
JOINT CONNECTOR-B02
B120
JOINT CONNECTOR-B04
B118
JOINT CONNECTOR-B06
B116
JOINT CONNECTOR-M10
M137
JOINT CONNECTOR-M03
M173
CAN GATEWAY
M24
To CAN system (VR engine with telematics system)
JOINT CONNECTOR-M05
M175
DATA LINK CONNECTOR
M25
JOINT CONNECTOR-M01
M171
JOINT CONNECTOR -M07
M177
JOINT CONNEC-TOR-M07
M177
BCM (BODY CONTROL MODULE)
M14
AV CONTROL UNIT
M163
M164
M165
M166
M167
M394
M414
JRNWF7443GB

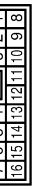

JOINT CONNECTOR-M03 (M173)
DOOR WOOFER LH (D49)
JOINT CONNECTOR -D01 (D58, D4, M33, M92, B59)
CENTER SQUAWKER (M96)
FRONT MICROPHONE (RH) (ACTIVE NOISE CANCELATION) (R20)
REAR MICROPHONE (ACTIVE NOISE CANCELATION) (B166)
REAR WOOFER LH (B179)
REAR SQUAWKER RH (B182)
REAR SQUAWKER LH (B181)
FRONT MICROPHONE (LH) (ACTIVE NOISE CANCELATION) (R19)
BOSE AMP. (B53, B54, B55)
FRONT SQUAWKER LH (M115)
FRONT SQUAWKER RH (M112)
AV CONTROL UNIT (M163, M164, M165, M166, M167, M394, M414)
DATA LINE
DATA LINE
AV
JOINT CONNECTOR-B03 (B127)
JOINT CONNECTOR-B01 (B123)
JRNWF7444GB


FUSE BLOCK (J/B) B38
15A 5
15A 3
3G
1G
BATTERY
B18
M19
M22
B62
M92
B59
98
99
94
10
B107
DATA LINE
REAR WOOFER RH B180
DOOR SQUAWKER RH D23
TWEETER RH D61
JOINT CONNECTOR -D02 D59
DOOR WOOFER RH D51
DOOR SQUAWKER LH D11
TWEETER LH D60
BOSE AMP. B53, B54, B55
AV CONTROL UNIT M163, M164, M165, M166, M167, M394*, M414*
JRNWF7445GB


WINDOW ANTENNA (AM / FM MAIN)
M390
ANTENNA AMP.
M386
M399
M398
M376
M375
152 151
WINDOW ANTENNA (FM SUB)
M389
M397
M396
150
SATELLITE RADIO ANTENNA
M419
M418
M417
M416
M415
176 177
JOINT CONNECTOR-M09
M135
M108
EXTRNAL DATA INPUT BOX
M142
GPS ANTENNA
NAVI CONTROL UNIT
M60, M61, M62, M63, M395
DISPLAY CONTROL UNIT
M99, M101, M102
AV CONTROL UNIT
M163, M164, M165, M166, M167, M394, M414
JOINT CONNEC-TOR-M05
M175
JOINT CONNEC-TOR-M09
M135
JOINT CONNECTOR-M08
M178
AROUND VIEW MONITOR CONTROL UNIT
B50, B51, AV
B60
M20
JRNWF7446GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

Connector No.	B3
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS

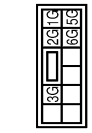


Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
4	B	- [With 2.0L turbo gasoline engine]
4	BR	- [With VR30 engine]
5	BR	- [With 2.0L turbo gasoline engine and with BOSE system]
5	Y	- [Except with 2.0L turbo gasoline engine and with BOSE system]
6	SHIELD	-
7	R	-
8	SHIELD	-
9	P	-
11	B	-
12	GR	-
13	G	-
14	B	-
15	W	-
16	BR	-

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

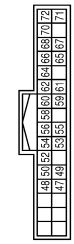
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	L	-
5	Y	-
7	V	-
10	BG	-
11	BG	-
12	LG	-
13	GR	-
14	R	-
15	L	-
16	V	-
18	W	-
19	BR	-
20	W	-
22	R	-
23	V	-
24	R	- [With 2.0L turbo gasoline engine]
24	Y	- [With VR30 engine]
25	V	- [With 2.0L turbo gasoline engine]
25	W	- [With VR30 engine]
26	G	-
27	R	-
28	R	-
31	B	- [With VR30 engine]
31	BR	- [With 2.0L turbo gasoline engine]
32	B	-
33	B	-
34	LG	-
35	P	-
36	W	-
37	SB	-
38	LG	-
40	P	-
41	SB	-
42	BR	-
43	BG	-
44	BG	-
46	R	-
50	W	-
51	SB	-
52	V	-
53	LG	-
54	R	-
55	R	-
58	V	-
59	GR	-
60	G	-
61	G	-
62	BG	-
63	BR	-
64	Y	-
66	R	-
70	R	-
71	W	-
72	B	-
73	W	-
74	L	-
75	R	-
76	BR	-
77	B	-
78	SB	-
79	W	-
81	B	-
82	R	-
83	BG	-
84	L	-
85	R	-
86	B	-
88	G	-
89	V	-
91	GR	-
93	GR	-
94	GR	-
96	Y	-
98	BR	- [With VR30 engine and with BOSE system]
98	Y	- [Except with VR30 engine and with BOSE system]

Connector No.	B38
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1G	GR	-
2G	W	-
3G	BR	-
5G	W	-
6G	GR	-

Connector No.	B50
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	Y	BATTERY POWER SUPPLY
3	LG	IGNITION SIGNAL
4	P	ACC POWER SUPPLY
19	P	AV COMMUNICATION SIGNAL (H)
20	LG	AV COMMUNICATION SIGNAL (L)
23	SHIELD	AV COMMUNICATION SIGNAL GROUND
25	BG	REVERSE SIGNAL
27	L	CAN-H
28	P	CAN-L [With ADAS]
28	R	CAN-L [Without ADAS]
29	SHIELD	CAN COMMUNICATION SIGNAL GROUND

Connector No.	B51
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH32FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
47	B	-
48	SHIELD	CAMERA IMAGE SIGNAL
49	W	CAMERA IMAGE SIGNAL GROUND
50	B	REAR CAMERA COMMUNICATION SIGNAL
52	R	REAR CAMERA POWER SUPPLY
53	G	REAR CAMERA GROUND
54	SHIELD	REAR CAMERA IMAGE SIGNAL (+)
53	G	REAR CAMERA IMAGE SIGNAL (-)

JRNWF7447GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

55	GR	SIDE CAMERA DRIVER SIDE COMMUNICATION SIGNAL
56	V	SIDE CAMERA DRIVER SIDE POWER SUPPLY
58	P	SIDE CAMERA DRIVER SIDE GROUND
59	LG	SIDE CAMERA DRIVER SIDE IMAGE SIGNAL (+)
60	SHIELD	SIDE CAMERA DRIVER SIDE IMAGE SIGNAL (-)
61	W	SIDE CAMERA PASSENGER SIDE COMMUNICATION SIGNAL
62	L	SIDE CAMERA PASSENGER SIDE POWER SUPPLY
64	R	SIDE CAMERA PASSENGER SIDE GROUND
65	G	SIDE CAMERA PASSENGER SIDE IMAGE SIGNAL (+)
66	SHIELD	SIDE CAMERA PASSENGER SIDE IMAGE SIGNAL (-)
67	B	FRONT CAMERA COMMUNICATION SIGNAL
68	W	FRONT CAMERA POWER SUPPLY
70	G	FRONT CAMERA GROUND
71	R	FRONT CAMERA IMAGE SIGNAL (+)
72	SHIELD	FRONT CAMERA IMAGE SIGNAL (-)

Connector No.	B52
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
4	B	- [With 2.0L turbo gasoline engine]
4	BR	- [With VR30 engine]
5	BR	- [With 2.0L turbo gasoline engine and with BOSE system]
5	Y	- [Except with 2.0L turbo gasoline engine and with BOSE system]
6	SHIELD	-
7	R	-
8	SHIELD	-
9	P	-
11	B	-
12	GR	-
13	G	-
14	B	-
15	W	-
16	BR	-

Connector No.	B53
Connector Name	BOSE AMP.
Connector Type	SGA12FBR-S1A2

H.S.

			13		12			11				10
			8	7	6	5	4	3	2	1		

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	SOUND SIGNAL REAR WOOFER LH (+)
2	L	SOUND SIGNAL REAR WOOFER LH (-)
3	L	SOUND SIGNAL DOOR WOOFER RH (+)
4	Y	SOUND SIGNAL DOOR WOOFER RH (-)
5	BR	SOUND SIGNAL REAR WOOFER RH (+)
6	R	SOUND SIGNAL REAR WOOFER RH (-)
7	B	GROUND
8	V	SOUND SIGNAL DOOR WOOFER LH (-)
10	BR	BATTERY POWER SUPPLY
11	GR	BATTERY POWER SUPPLY
12	B	GROUND
13	P	SOUND SIGNAL DOOR WOOFER LH (+)

Connector No.	B54
Connector Name	BOSE AMP.
Connector Type	SCA19FBR-SGA4

H.S.

													32	31	30	29		28
				34	33													
			24	23	22						19	18	17	16				

Terminal No.	Color Of Wire	Signal Name [Specification]
16	P	SOUND SIGNAL FRONT SQUAWKER LH (+)
17	BR	SOUND SIGNAL CENTER SQUAWKER (+)
18	GR	SOUND SIGNAL CENTER SQUAWKER (-)
19	W	SOUND SIGNAL DOOR SQUAWKER RH (+)
22	W	SOUND SIGNAL DOOR SQUAWKER LH (+)
23	L	SOUND SIGNAL REAR SQUAWKER RH (+)
24	G	SOUND SIGNAL DOOR SQUAWKER LH (+)
28	B	ENGINE TYPE SIGNAL 2
29	V	SOUND SIGNAL FRONT SQUAWKER LH (-)
30	L	SOUND SIGNAL FRONT SQUAWKER RH (-)
31	P	SOUND SIGNAL FRONT SQUAWKER RH (+)
32	B	SOUND SIGNAL DOOR SQUAWKER RH (-)
33	B	SOUND SIGNAL REAR SQUAWKER LH (-)
34	P	SOUND SIGNAL REAR SQUAWKER RH (-)
35	R	SOUND SIGNALDOOR SQUAWKER LH (-)

Connector No.	B55
Connector Name	BOSE AMP.
Connector Type	TH40FW-NH

H.S.

| | | | | | | | | | | | | | | | | | |

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

13	W	-
14	R	-

Connector No.	B62
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [With 2.0L turbo gasoline engine and without BOSE system]
1	LG	- [With VR30 engine]
1	W	- [With 2.0L turbo gasoline engine and with BOSE system]
2	L	- [With VR30 engine]
2	SHIELD	- [With 2.0L turbo gasoline engine]
3	BR	- [With 2.0L turbo gasoline engine]
3	R	- [With VR30 engine and with BOSE system]
3	W	- [With VR30 engine and without BOSE system]
4	SHIELD	- [With VR30 engine]
4	Y	- [With 2.0L turbo gasoline engine]
5	G	- [With VR30 engine]
5	V	- [With 2.0L turbo gasoline engine]
6	BG	- [With VR30 engine]
6	BR	- [With 2.0L turbo gasoline engine]
7	B	- [With 2.0L turbo gasoline engine and with BOSE system]
7	BR	- [With VR30 engine and without BOSE system]
7	W	- [With VR30 engine and with BOSE system]
7	Y	- [With 2.0L turbo gasoline engine and without BOSE system]
8	B	- [With VR30 engine and with BOSE system]
8	G	- [With 2.0L turbo gasoline engine]
8	Y	- [With VR30 engine and without BOSE system]
9	LG	- [With 2.0L turbo gasoline engine]
9	SHIELD	- [With VR30 engine]
10	V	-
11	GR	-
12	Y	-
13	R	-
14	BG	-
15	BG	- [With 2.0L turbo gasoline engine]
15	GR	- [With VR30 engine]
16	V	-
17	P	-

18	L	-
19	G	-
20	GR	-
21	R	-
23	W	-
24	BG	- [With 2.0L turbo gasoline engine]
24	V	- [With VR30 engine]
25	L	- [With 2.0L turbo gasoline engine]
25	SB	- [With VR30 engine]
26	G	- [With VR30 engine]
26	W	- [With 2.0L turbo gasoline engine]
27	R	-
28	R	-
29	LG	-
30	LG	- [With 2.0L turbo gasoline engine]
30	P	- [With VR30 engine]
31	SHIELD	-
32	L	-
33	B	- [With VR30 engine]
33	LG	- [With 2.0L turbo gasoline engine]
34	SHIELD	-
35	LG	- [With VR30 engine]
35	W	- [With 2.0L turbo gasoline engine]
36	R	-
37	P	- [With 2.0L turbo gasoline engine and without BOSE system]
37	R	- [With VR30 engine]
37	W	- [With 2.0L turbo gasoline engine and with BOSE system]
38	L	- [With 2.0L turbo gasoline engine and without BOSE system]
38	W	- [Except with 2.0L turbo gasoline engine and without BOSE system]
39	P	- [With VR30 engine and without BOSE system]
39	R	- [With 2.0L turbo gasoline engine]
39	W	- [With VR30 engine and with BOSE system]
40	G	-
41	L	-
42	R	-
43	SHIELD	-
44	P	-
45	B	- [With 2.0L turbo gasoline engine]
45	G	- [With VR30 engine]
46	SHIELD	-
47	G	-
48	BG	[Except with 2.0L turbo gasoline engine and without BOSE system]
48	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
49	G	-
51	GR	- [With 2.0L turbo gasoline engine]
51	L	- [With VR30 engine]
52	W	- [With 2.0L turbo gasoline engine]
52	Y	- [With VR30 engine]
53	R	-
54	GR	-

55	L	-
56	V	-
57	R	-
58	LG	-
59	P	-
60	BR	-
61	L	- [With 2.0L turbo gasoline engine]
61	R	- [With VR30 engine]
62	P	- [With VR30 engine]
62	V	- [With 2.0L turbo gasoline engine]
63	L	-
64	W	-
65	R	-
66	L	- [With 2.0L turbo gasoline engine]
66	LG	- [With VR30 engine]
67	G	-
68	L	-
69	P	-
71	GR	- [With 2.0L turbo gasoline engine]
71	R	- [With VR30 engine]
72	G	- [With VR30 engine]
72	Y	- [With 2.0L turbo gasoline engine]
73	R	- [With 2.0L turbo gasoline engine]
73	SHIELD	- [With VR30 engine]
74	BG	- [With 2.0L turbo gasoline engine]
74	L	- [With VR30 engine]
75	GR	- [With 2.0L turbo gasoline engine]
75	V	- [With VR30 engine]
76	GR	- [With VR30 engine]
76	V	- [With 2.0L turbo gasoline engine]
77	P	-
78	L	-
79	G	-
80	GR	- [With 2.0L turbo gasoline engine]
80	W	- [With VR30 engine]
81	B	- [With VR30 engine]
81	R	- [With 2.0L turbo gasoline engine]
82	G	- [With 2.0L turbo gasoline engine]
82	SHIELD	- [With VR30 engine]
83	R	- [With 2.0L turbo gasoline engine]
83	W	- [With VR30 engine]
84	BR	- [With VR30 engine]
84	SHIELD	- [With 2.0L turbo gasoline engine]
85	BG	- [With VR30 engine]
85	G	- [With 2.0L turbo gasoline engine]
86	R	-
87	LG	- [With VR30 engine]
87	SHIELD	- [With 2.0L turbo gasoline engine]
88	R	-
89	LG	-

90	P	-
92	L	- [With 2.0L turbo gasoline engine]
92	W	- [With VR30 engine]
93	SHIELD	-
94	R	-
95	L	- [With 2.0L turbo gasoline engine]
95	Y	- [With VR30 engine]
96	W	-
97	L	- [With VR30 engine]
97	R	- [With 2.0L turbo gasoline engine and with BOSE system]
97	W	- [With 2.0L turbo gasoline engine and without BOSE system]
99	BR	- [With VR30 engine and with BOSE system]
99	P	- [With 2.0L turbo gasoline engine]
99	Y	- [With VR30 engine and without BOSE system]
100	BR	- [With VR30 engine]
100	W	- [With 2.0L turbo gasoline engine]

Connector No.	B66
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	BG	-
4	SHIELD	-
5	W	-
6	GR	-
8	B	-
9	R	-
10	P	-
11	B	-
13	SHIELD	- [With rear view monitor]
13	W	- [With around view monitor]
14	B	- [With rear view monitor]
14	G	- [With around view monitor]
15	R	- [With around view monitor]
15	W	- [With rear view monitor]
16	B	- [With around view monitor]
16	R	- [With rear view monitor]

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INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

Connector No.	B116
Connector Name	JOINT CONNECTOR-B06
Connector Type	24342_4GA2A

H.S.

6	5	4	3	2	1	
12	11	10	9	8	7	
18	17	16	15	14	13	
24	23	22	21	20	19	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	L	-
3	L	-
4	L	-
5	L	-
6	L	-
7	R	-
8	R	- [With Gateway]
8	V	- [Without Gateway]
9	R	- [With Gateway]
9	V	- [Without Gateway]
10	V	-
11	V	-
12	P	- [With 2.0L turbo gasoline engine]
12	R	- [With VR30 engine]
13	SHIELD	-
14	SHIELD	-
15	SHIELD	-
16	SHIELD	-
17	SHIELD	-
18	SHIELD	-
19	L	-
20	L	-
21	L	-
22	R	-
23	R	-
24	R	-

Connector No.	B118
Connector Name	JOINT CONNECTOR-B04
Connector Type	24342_4GA2A

H.S.

6	5	4	3	2	1	
12	11	10	9	8	7	
18	17	16	15	14	13	
24	23	22	21	20	19	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	- [With VR30 engine]
1	SHIELD	- [With 2.0L turbo gasoline engine]
2	LG	- [With VR30 engine]
2	SHIELD	- [With 2.0L turbo gasoline engine]
3	LG	- [With VR30 engine]
3	SHIELD	- [With 2.0L turbo gasoline engine]
4	LG	- [With VR30 engine]
4	SHIELD	- [With 2.0L turbo gasoline engine]
5	LG	- [With VR30 engine]
5	SHIELD	- [With 2.0L turbo gasoline engine]
6	LG	- [With VR30 engine]
6	SHIELD	[With 2.0L turbo gasoline engine]
7	LG	- [With 2.0L turbo gasoline engine]
7	R	- [With VR30 engine]
8	R	-
9	LG	- [With 2.0L turbo gasoline engine]
9	R	- [With VR30 engine]
10	LG	- [With 2.0L turbo gasoline engine]
10	SHIELD	- [With VR30 engine]
11	LG	- [With 2.0L turbo gasoline engine]
11	SHIELD	- [With VR30 engine]
12	LG	- [With 2.0L turbo gasoline engine]
12	SHIELD	- [With VR30 engine]
13	L	- [With 2.0L turbo gasoline engine]
13	R	- [With VR30 engine]
14	L	-
14	R	- [With 2.0L turbo gasoline engine]
15	L	- [With VR30 engine]
15	R	- [With 2.0L turbo gasoline engine]
16	L	-
17	L	-
18	L	-
19	L	- [With 2.0L turbo gasoline engine]
19	SHIELD	- [With VR30 engine]
20	L	- [With 2.0L turbo gasoline engine]
20	SHIELD	- [With VR30 engine]

Connector No.	B120
Connector Name	JOINT CONNECTOR-B02
Connector Type	24342_4GA2A

H.S.

6	5	4	3	2	1	
12	11	10	9	8	7	
18	17		15	14	13	
24	23	22	21	20	19	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	R	-
3	L	- [With VR30 engine]
3	R	- [With 2.0L turbo gasoline engine]
4	L	- [With VR30 engine]
4	R	- [With 2.0L turbo gasoline engine]
5	L	-
6	L	-
7	L	-
8	L	-
9	L	- [With 2.0L turbo gasoline engine]
9	R	- [With VR30 engine]
10	L	- [With 2.0L turbo gasoline engine]
10	R	- [With VR30 engine]
11	R	-
12	R	-
13	W	-
14	W	-
15	W	-
17	SHIELD	-
18	B	-
19	B	- [With 2.0L turbo gasoline engine]
19	GR	- [With VR30 engine]
20	GR	- [With VR30 engine]
20	SHIELD	- [With 2.0L turbo gasoline engine]
21	B	- [With 2.0L turbo gasoline engine]
21	GR	- [With VR30 engine]
22	W	-
23	W	-

21	L	- [With 2.0L turbo gasoline engine]
21	SHIELD	- [With VR30 engine]
22	R	-
23	R	-
24	R	-

24	W	-

Connector No.	B123
Connector Name	JOINT CONNECTOR-B01
Connector Type	TK04FW-J

H.S.

0	4	3	2	1	0

Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	-
2	SHIELD	-
3	B	- [With 2.0L turbo gasoline engine]
3	SHIELD	- [With VR30 engine]
4	B	-

Connector No.	B127
Connector Name	JOINT CONNECTOR-B03
Connector Type	NH20FG-DC

H.S.

9	8	7	6	5	4	3	2	1	
20	19	18	17		15	14	13	11	10

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	SHIELD	-
3	SHIELD	-
4	SHIELD	-
5	SHIELD	-
6	P	-
7	P	-
8	P	-
9	P	-
10	LG	-
11	LG	-
13	BG	-

JRNWF7450GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

14	BG
15	BG
17	LG
18	LG
19	LG
20	LG

Connector No.	B166
Connector Name	REAR MICROPHONE (ACTIVE NOISE CANCELATION)
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	MIC_GND (Bose with 2.0L turbo gasoline engine and without BOSE system)
1	W	MIC_GND (With 2.0L turbo gasoline engine and without BOSE system)
2	BG	MIC_SIG (With 2.0L turbo gasoline engine and without BOSE system)
2	R	MIC_SIG (Except with 3.0L turbo gasoline engine and without BOSE system)

Connector No.	B179
Connector Name	REAR WOOFER LH
Connector Type	NS02FW-LC

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	L	-

Connector No.	B180
Connector Name	REAR WOOFER RH
Connector Type	NS02FW-LC

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	R	-

Connector No.	B181
Connector Name	REAR SQUAWKER LH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	B	-

Connector No.	B182
Connector Name	REAR SQUAWKER RH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	P	-

Connector No.	D4
Connector Name	WIRE TO WIRE
Connector Type	NH60FW-TS12

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
6	V	-
8	G	-
9	GR	-
10	Y	-
11	SHIELD	-
12	BG	-
13	L	-
14	B	-
15	Y	-
16	GR	-
17	R	-
18	GR	-
19	R	-
20	W	-
21	LG	-
22	W	-
23	L	-
24	G	-
25	BR	-
27	BR	-
28	V	-
29	B	-
30	W	-
31	P	-
32	Y	-
33	BR	-
34	L	-
35	R	-
36	GR	-
37	G	-
38	R	-
39	B	-
40	LG	-
41	L	-
43	BG	-
44	Y	-
46	W	-
47	R	-
49	BR	-
50	B	-
52	V	-
53	GR	-
54	R	-
55	SB	-
56	BR	-
57	R	-
58	L	-
59	V	-
60	G	-
61	BG	-
62	Y	-
63	SB	-
64	B	-
65	Y	-
66	BR	-
68	Y	-
69	L	-
70	W	-
71	LG	-
72	P	-

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INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

Connector No.	D11
Connector Name	DOOR SQUAWKER LH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	-
2	Y	-

Connector No.	D18
Connector Name	WIRE TO WIRE
Connector Type	NH60FW-TS12

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	P	-
5	BR	-
6	Y	-
8	W	-
9	L	-
10	L	-
11	GR	-
13	Y	-
16	R	-
17	B	-
18	W	-
19	B	-
20	G	-
21	SHIELD	-
22	GR	-
23	BG	-
24	B	-
25	BR	-
26	V	-
27	G	-
28	V	-
29	Y	-
30	R	-
38	R	-
39	B	-
49	LG	-
51	R	-
52	P	-
55	L	-
56	Y	-
57	R	-
58	SB	-
59	R	-
60	G	-
63	B	-
64	Y	-
65	BR	-
66	GR	-
69	W	-
70	L	-
71	BG	-
72	Y	-

Connector No.	D23
Connector Name	DOOR SQUAWKER RH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BG	-

Connector No.	D49
Connector Name	DOOR WOOFER LH
Connector Type	NS02FW-LC

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	L	-

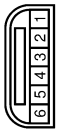
Connector No.	D51
Connector Name	DOOR WOOFER RH
Connector Type	NS02FW-LC

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	L	-

Connector No.	D58
Connector Name	JOINT CONNECTOR-D01
Connector Type	NS06FW-J

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	Y	- [With BOSE system]
2	BR	- [Without BOSE system]
2	Y	- [With BOSE system]
3	BR	- [Without BOSE system]
3	Y	- [With BOSE system]
4	GR	- [Without BOSE system]
4	L	- [With BOSE system]
5	GR	- [Without BOSE system]
5	L	- [With BOSE system]
6	GR	- [Without BOSE system]
6	L	- [With BOSE system]

Connector No.	D59
Connector Name	JOINT CONNECTOR-D02
Connector Type	NS06FW-J

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	L	- [With BOSE system]
2	BR	- [Without BOSE system]
2	L	- [With BOSE system]
3	BR	- [Without BOSE system]
3	L	- [With BOSE system]
4	GR	- [Without BOSE system]
4	W	- [With BOSE system]

JRNWF7452GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

5	GR	- [Without BOSE system]
5	W	- [With BOSE system]
6	GR	- [Without BOSE system]
6	W	- [With BOSE system]

Connector No.	D60
Connector Name	TWEETER LH
Connector Type	TK02FBR

H.S.

1	BR	- [Without BOSE system]
1	Y	- [With BOSE system]
2	GR	- [Without BOSE system]
2	L	- [With BOSE system]

Connector No.	D61
Connector Name	TWEETER RH
Connector Type	TK02FBR

H.S.

1	BR	- [Without BOSE system]
1	W	- [With BOSE system]
2	GR	- [Without BOSE system]
2	L	- [With BOSE system]

Connector No.	E10
Connector Name	WIRE TO WIRE
Connector Type	SAA36MB-RS8-SHZB

H.S.

1	R	-
2	R	-
3	LG	-
4	R	-
5	G	-
7	V	-
8	W	-
9	W	-
10	BG	-
11	LG	-
12	BG	-
13	L	-
14	Y	-
15	LG	-
16	G	-
17	L	-
18	P	-
19	GR	-
20	G	-
21	GR	-
22	W	-
23	G	-
24	BG	-
25	V	-
26	BR	-
27	W	-
28	BG	-
29	LG	-
30	G	-
31	Y	-
32	R	-
33	B	-
34	V	-
35	LG	-
36	W	-
37	V	-
38	BR	-
39	GR	-
40	SHIELD	-
41	B	-
42	R	-
43	Y	-
44	SHIELD	-
45	Y	-
46	P	-
47	L	-
48	LG	-
49	BG	-
50	SHIELD	-
51	W	-
52	G	-

Connector No.	E22
Connector Name	CHASSIS CONTROL MODULE
Connector Type	TH24FW-NH

H.S.

3	P	CAN-L [Without Gateway]
3	R	CAN-L [With Gateway]
4	L	CAN-H
5	V	DRIVE MODE SELECT SWITCH (UP) [With VR30 engine]
5	Y	DRIVE MODE SELECT SWITCH (UP) [With 2.0L turbo gasoline engine]
6	G	DRIVE MODE SELECT SW (DOWN) [With 2.0L turbo gasoline engine]
6	Y	DRIVE MODE SELECT SW (DOWN) [With VR30 engine]
7	W	CHASSIS COMMUNICATION-L
8	W	CHASSIS COMMUNICATION-L
10	BG	IGNITION POWER SUPPLY [With 2.0L turbo gasoline engine]
10	G	IGNITION POWER SUPPLY [With VR30 engine]
11	L	CHASSIS COMMUNICATION-H
12	B	GROUND [With VR30 engine]
12	B/W	GROUND [With 2.0L turbo gasoline engine]
19	BR	CHASSIS COMMUNICATION-H [With VR30 engine]
19	L	CHASSIS COMMUNICATION-H [With 2.0L turbo gasoline engine]
23	G	ESS RELAY [With VR30 engine]
23	R	ESS RELAY [With 2.0L turbo gasoline engine]

Connector No.	E35
Connector Name	[ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)]
Connector Type	SAZ30FB-SJZ4-LJ

H.S.

1	B	GROUND
2	B	GROUND
3	G	VALVE BATTERY [With VR30 engine]
3	P	VALVE BATTERY [With 2.0L turbo gasoline engine]
4	Y	MOTOR BATTERY
5	LG	STOP LAMP SW SIGNAL [With ADAS]
5	V	STOP LAMP SW SIGNAL [With ASCD]
7	GR	RR LH WHEEL SENSOR SIGNAL
8	G	RR LH WHEEL SENSOR POWER SUPPLY
9	BR	FR RH WHEEL SENSOR SIGNAL
10	GR	FR RH WHEEL SENSOR POWER SUPPLY
13	R	VACUUM SENSOR SIGNAL
15	P	CAN-L [Without Gateway]
15	R	CAN-L [With Gateway]
17	Y	RR RH WHEEL SENSOR SIGNAL
18	LG	RR RH WHEEL SENSOR POWER SUPPLY [With 2.0L turbo gasoline engine]
18	V	RR RH WHEEL SENSOR POWER SUPPLY [With VR30 engine]
19	SB	FR LH WHEEL SENSOR SIGNAL
20	BG	FR LH WHEEL SENSOR POWER SUPPLY
25	L	CAN-H
28	G	VACUUM SENSOR POWER SUPPLY
30	R	VDC OFF SW SIGNAL
32	SHIELD	VACUUM SENSOR GROUND
34	G	IGN

JRNWF7453GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

Connector No.	E47
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH

H.S.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	V	-
3	L	-
4	P	- [Without Gateway]
5	W	- [With Gateway]
6	SB	-
7	BR	-
8	W	-
9	BG	- [Without BOSE system]
9	V	- [With BOSE system]
10	V	-
11	SB	-
12	G	-
13	G	-
15	BR	-
16	P	-
17	SHIELD	-
18	L	-
19	Y	-
20	W	-
21	G	-
22	R	-
23	BR	-
26	BG	-
27	LG	-
28	BR	-
29	W	-
30	Y	-
31	G	-
32	LG	-

Connector No.	E152
Connector Name	ECM
Connector Type	RH24FB-RZ8-L-RH

H.S.

173	177	181	185	189	193	197	201
174	178	182	186	190	194	198	202
175		183	187	191	195	199	203
176	180	184	188	192	196	200	204

Terminal No.	Color Of Wire	Signal Name [Specification]
173	SB	FUEL TANK PRESSURE SENSOR
175	P	CAN-L
176	L	CAN-H
177	G	SENSOR POWER SUPPLY [FUEL TANK PRESSURE SENSOR]
178	V	TACHO METER SIGNAL
180	P	FUEL TANK TEMPERATURE SENSOR
182	W	FUEL PUMP CONTROL MODULE [FPCM] CHECK
185	SB	IGNITION SWITCH
186	SB	ASCD STEERING SWITCH
187	BG	SENSOR GROUND [ASCD STEERING SWITCH]
188	Y	FUEL PUMP CONTROL MODULE [FPCM]
189	Y	ENGINE COMMUNICATION LINE-L
190	L	ENGINE COMMUNICATION LINE-H
191	P	STOP LAMP SWITCH
192	BG	BRAKE PEDAL POSITION SWITCH
193	GR	EVAP CANISTER VENT CONTROL VALVE
194	W	SENSOR POWER SUPPLY
195	BR	ACCELERATOR PEDAL POSITION SENSOR 2
196	R	SENSOR GROUND [ACCELERATOR PEDAL POSITION SENSOR 2]
197	R	ECM POWER SUPPLY
198	L	SENSOR POWER SUPPLY
199	B	ECM GROUND
200	V	SENSOR GROUND
201	B	ECM GROUND
202	Y	ACCELERATOR PEDAL POSITION SENSOR 1
203	G	SENSOR GROUND
204	B	ECM GROUND

Connector No.	E172
Connector Name	JOINT CONNECTOR-E01
Connector Type	SGA28FI-BR-J

H.S.

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28		

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	Y	-
3	W	-
4	L	-
5	GR	-
6	Y	-
7	W	-
8	L	-
9	GR	-
10	Y	-
11	W	-
12	L	-
15	W	-
16	BG	-
17	P	-
18	L	-
19	W	-
20	BG	-
21	P	-
22	L	-
23	SB	-
24	LG	-
25	P	-
26	L	-

Connector No.	E219
Connector Name	CHASSIS CONTROL MODULE
Connector Type	TH28FW

H.S.

1	3	4	5	6	8	9	10	12	13	14
15	17	19	21	22	23	24	25	26	28	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	ACTUATOR (FL)-L
3	BR	ACTUATOR (RR)-H
4	BG	IGNITION POWER SUPPLY
5	W	CHASSIS COMMUNICATION-L
6	B	GROUND
8	BR	CHASSIS COMMUNICATION-H
9	Y	DRIVE MODE SELECT SW (DOWN)
10	L	CAN-H
12	G	ACTUATOR (FR)-H
13	G	ESS RELAY
14	L	ACTUATOR (RL)-L
15	Y	ACTUATOR (RR)-L
17	V	ACTUATOR (FL)-H
19	L	CHASSIS COMMUNICATION-H
21	W	CHASSIS COMMUNICATION-L
22	V	DRIVE MODE SELECT SWITCH (UP)
23	B	GROUND
24	P	CAN-L [Without Gateway]
24	R	CAN-L [With Gateway]
25	G	IGNITION POWER SUPPLY
26	V	ACTUATOR (RL)-H
28	R	ACTUATOR (FR)-L

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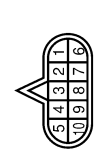
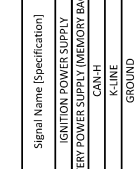
INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

Connector No.	F2
Connector Name	A/T ASSEMBLY
Connector Type	RK10FG-DGY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	IGNITION POWER SUPPLY
2	P	BATTERY POWER SUPPLY (MEMORY BACK-UP)
3	L	CAN-H
4	R	K-LINE
5	BR	GROUND
6	GR	IGNITION POWER SUPPLY
7	BG	BACK-UP LAMP RELAY
8	P	CAN-L
9	V	STARTER RELAY
10	B	GROUND

Connector No.	F12
Connector Name	WIRE TO WIRE
Connector Type	SAA36FB-RSB-SHZ8

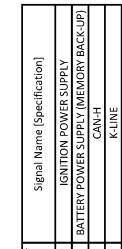


Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	GR	-
3	BG	-
4	R	-
5	G	-
7	L	-
8	W	-
9	W	-
10	BG	-
11	R	-
12	LG	-
13	L	-
14	Y	-
15	LG	-
16	Y	-
17	L	-
18	P	-
19	GR	-
20	BG	-
21	GR	-
22	W	-
23	G	-
24	SB	-
25	V	-
26	W	-
27	V	-
28	W	-
29	Y	-
30	R	-
31	P	-
32	R	-
33	P	-
34	BG	-
35	LG	-
36	SB	-
37	V	-
38	BR	-
39	GR	-
40	SHIELD	-
41	B	-
42	R	-
43	Y	-
45	Y	-
46	P	-
47	L	-
48	LG	-
49	BG	-
50	SHIELD	-
51	W	-
52	G	-

Connector No.	F100
Connector Name	TCM
Connector Type	SP10FG

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	IGNITION POWER SUPPLY
2	-	BATTERY POWER SUPPLY (MEMORY BACK-UP)
3	-	CAN-H
4	-	K-LINE
5	-	GROUND
6	-	IGNITION POWER SUPPLY
7	-	BACK-UP LAMP RELAY
8	-	CAN-L
9	-	STARTER RELAY
10	-	GROUND

Connector No.	M1
Connector Name	INTEGRAL SWITCH
Connector Type	TH24FW-NH



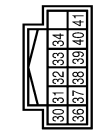
Terminal No.	Color Of Wire	Signal Name [Specification]
2	R	ILLUMINATION SIGNAL
3	LG	AV COMMUNICATION SIGNAL (L)
4	SB	AV COMMUNICATION SIGNAL (H)
7	W/B	DISK EJECT SIGNAL
8	G	HAZARD SIGNAL
13	B	GROUND
14	SB	ACC POWER SUPPLY (With 2.0L turbo gasoline engine)
14	V	ACC POWER SUPPLY (With VR30 engine)
15	B	ILLUMINATION CONTROL SIGNAL
16	BG	DISK EJECT SIGNAL GROUND

18	R	IGNITION SIGNAL (With VR30 engine)
18	W	IGNITION SIGNAL (With 2.0L turbo gasoline engine)
19	BR	CAMERA SWITCH SIGNAL

Connector No.	M2
Connector Name	INTEGRAL SWITCH
Connector Type	Tyco_1554987-6

Terminal No.	Color Of Wire	Signal Name [Specification]
27	W	LVDS (+)
28	B	LVDS (-)
29	SHIELD	SHIELD

Connector No.	M3
Connector Name	INTEGRAL SWITCH
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
30	BR	ILLUMINATION SIGNAL (MULTIFUNCTION SWITCH)
31	W	GROUND (MULTIFUNCTION SWITCH)
32	R	ENCD-B SIGNAL
33	R	PUSH SWITCH A SIGNAL
34	W	PUSH SWITCH C SIGNAL
36	V	ILLUMINATION CONTROL SIGNAL (MULTIFUNCTION SWITCH)
37	W	ENCD-A SIGNAL
38	G	SELECT SWITCH SIGNAL
39	B	PUSH SWITCH B SIGNAL
40	B	SHIELD
41	L	L/R DETECTION SIGNAL

JRNWF7455GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

Connector No.	M14
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
48	R	PUSH-BTN IGN SW ILL PWR
52	G	DONGLE LINK
54	V	COMM LINE
55	R	RAIN SENSOR
59	P	CAN-L
60	L	CAN-H
61	G	REAR WINDOW DEF RLY CONT
62	R	STARTER RLY CONT
64	V	I-KEY WARN BUZZER
65	B	OUTS HD LAMP CONT
66	B	BLOWER FAN RLY CONT [With VR30 engine]
66	Y	BLOWER FAN RLY CONT [With 2.0L turbo gasoline engine]
67	W/B	IGN RLYAY (F/B) CONT
68	R	DIMMER
69	GR	A/T SHIFT SELECT PWR SPLY
70	B	IGN RLYAY (IPDM E/R) CONT
71	G	DR DOOR REQ SW
72	SB	PASS DOOR REQ SW
75	BR	COMBI SW INPUT 5
76	BG	COMBI SW INPUT 4
77	V	COMBI SW INPUT 3
78	Y	COMBI SW INPUT 2
79	LG	COMBI SW INPUT 1
80	L	TR LID OPNR SW

Connector No.	M19
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	SB	-
5	Y	-
7	W	-
10	BG	-
11	BR	-
12	LG	-
13	GR	-
14	R	-
15	L	-
16	V	-
18	W	-
19	BR	-
20	W	-
24	R	- [With 2.0L turbo gasoline engine]
24	Y	- [With VR30 engine]
25	P	- [With 2.0L turbo gasoline engine]
25	W	- [With VR30 engine]
26	G	-
27	R	-
28	R	-
31	BR	-
32	B	-
33	B	-
34	V	-
35	P	-
36	W	-
37	SB	-
38	LG	-
40	P	-
41	G	-
42	BR	-
43	BR	-
44	BR	-
46	BG	-
50	W	-
51	Y	-
52	V	-
53	LG	-
54	R	-
55	R	-
58	V	-
59	BG	-
60	G	-
61	G	-
62	BG	-
63	BR	-
64	Y	-
66	R	-
70	LG	-
71	W	-
72	B	-
73	W	-
74	L	-
75	W	-
76	BR	-
77	B	-
78	SB	-
79	W	-
81	B	-
82	R	-
83	BG	-
84	L	-
85	W	-
86	B	-
88	G	-
89	V	-
91	GR	-
93	GR	-
94	GR	-
96	W	-
98	BR	- [With VR30 engine and with BOSE system]
98	Y	- [Except with VR30 engine and with BOSE system]

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
7	W	-
8	L	-
10	Y	-
11	SHIELD	-
12	B	-
13	W	-
14	R	-

Connector No.	M22
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	L	- [With VR30 engine]
2	SHIELD	- [With 2.0L turbo gasoline engine]
3	BR	- [With 2.0L turbo gasoline engine]
3	R	- [With VR30 engine]
4	SHIELD	- [With VR30 engine]
4	Y	- [With 2.0L turbo gasoline engine]
5	G	- [With VR30 engine]
5	V	- [With 2.0L turbo gasoline engine]
6	BG	- [With VR30 engine]
6	BR	- [With 2.0L turbo gasoline engine]
7	LG	- [With VR30 engine]
7	P	- [With 2.0L turbo gasoline engine]

JRNWF7456GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

8	G	- [With 2.0L turbo gasoline engine]
8	P	- [With VR30 engine]
9	LG	- [With 2.0L turbo gasoline engine]
9	SHIELD	- [With VR30 engine]
10	V	-
11	GR	-
12	V	-
13	LG	-
14	LG	-
15	BR	- [With 2.0L turbo gasoline engine]
15	P	- [With VR30 engine]
16	SB	- [With DCM]
16	V	- [Without DCM]
17	Y	-
18	L	-
19	G	-
20	GR	-
21	R	-
23	L	-
24	BG	- [With 2.0L turbo gasoline engine]
24	V	- [With VR30 engine]
25	L	- [With 2.0L turbo gasoline engine]
25	SB	- [With VR30 engine]
26	G	- [With VR30 engine]
26	W	- [With 2.0L turbo gasoline engine]
27	R	-
28	R	-
29	LG	-
30	SB	- [With VR30 engine]
30	W	- [With 2.0L turbo gasoline engine]
31	SHIELD	-
32	L	-
33	B	- [With VR30 engine]
33	LG	- [With 2.0L turbo gasoline engine]
34	SHIELD	-
35	LG	- [With VR30 engine]
35	W	- [With 2.0L turbo gasoline engine]
36	R	-
37	R	- [With VR30 engine]
37	V	- [With 2.0L turbo gasoline engine]
38	L	[With 2.0L turbo gasoline engine and without BOSE system]
38	W	[Except with 2.0L turbo gasoline engine and without BOSE system]
39	P	- [With VR30 engine and without BOSE system]
39	R	- [With 2.0L turbo gasoline engine]
39	V	- [With VR30 engine and with BOSE system]
40	G	-
41	L	-
42	R	-
43	SHIELD	-
44	P	-

45	B	- [With 2.0L turbo gasoline engine]
45	G	- [With VR30 engine]
46	SHIELD	-
47	G	-
48	BG	With 2.0L turbo gasoline engine and with BOSE system and VR30 engine without BOSE system
48	BR	- [With VR30 engine and with BOSE system]
48	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
49	G	-
51	L	- [With VR30 engine]
51	V	- [With 2.0L turbo gasoline engine]
52	L	- [With 2.0L turbo gasoline engine]
52	Y	- [With VR30 engine]
53	R	-
54	GR	-
55	L	-
56	P	-
57	R	-
58	LG	-
59	SB	-
60	BR	-
61	L	- [With 2.0L turbo gasoline engine]
61	R	- [With VR30 engine]
62	P	- [With 2.0L turbo gasoline engine]
62	V	- [With VR30 engine]
63	L	-
64	W	-
65	R	-
66	L	- [With 2.0L turbo gasoline engine]
66	R	- [With VR30 engine]
67	G	-
68	L	-
69	P	-
71	GR	- [With 2.0L turbo gasoline engine]
71	R	- [With VR30 engine]
72	G	- [With VR30 engine]
72	V	- [With 2.0L turbo gasoline engine]
73	LG	- [With 2.0L turbo gasoline engine]
73	SHIELD	- [With VR30 engine]
74	L	- [With VR30 engine]
74	LG	- [With 2.0L turbo gasoline engine]
75	P	-
76	SB	- [With 2.0L turbo gasoline engine]
76	V	- [With VR30 engine]
77	Y	-
78	L	-
79	G	-
80	GR	- [With 2.0L turbo gasoline engine]
80	W	- [With VR30 engine]
81	B	- [With VR30 engine]
81	R	- [With 2.0L turbo gasoline engine]

82	G	- [With 2.0L turbo gasoline engine]
82	SHIELD	- [With VR30 engine]
83	R	- [With 2.0L turbo gasoline engine]
83	W	- [With VR30 engine]
84	BR	- [With VR30 engine]
84	SHIELD	- [With 2.0L turbo gasoline engine]
85	BR	- [With VR30 engine]
85	G	- [With 2.0L turbo gasoline engine]
86	R	-
87	LG	- [With VR30 engine]
87	SHIELD	- [With 2.0L turbo gasoline engine]
88	R	-
89	LG	-
90	SB	-
92	L	- [With 2.0L turbo gasoline engine]
92	W	- [With VR30 engine]
93	SHIELD	-
94	R	-
95	L	- [With 2.0L turbo gasoline engine]
95	Y	- [With VR30 engine]
96	W	-
97	L	- [With VR30 engine]
97	R	- [With 2.0L turbo gasoline engine]
99	BR	- [With VR30 engine and with BOSE system]
99	P	- [With 2.0L turbo gasoline engine]
99	Y	[With VR30 engine and without BOSE system]
100	BR	- [With VR30 engine]
100	W	- [With 2.0L turbo gasoline engine]

Connector No.	M24
Connector Name	CAN GATEWAY
Connector Type	TH12FW-NH

H.S.

1		3	4	5	6
7		9	10	11	12

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CAN-H [CAN COMMUNICATION CIRCUIT 1]
3	W	BATTERY POWER SUPPLY
4	L	CAN-H [CAN COMMUNICATION CIRCUIT 2]
5	B	GROUND
6	L	CAN-H [CAN COMMUNICATION CIRCUIT 2]
7	P	CAN-L [CAN COMMUNICATION CIRCUIT 1]

9	R	IGNITION POWER SUPPLY [With VR30 engine]
9	W	IGNITION POWER SUPPLY [With 2.0L turbo gasoline engine]
10	R	CAN-L [CAN COMMUNICATION CIRCUIT 2]
11	B	GROUND
12	R	CAN-L [CAN COMMUNICATION CIRCUIT 2]

Connector No.	M25
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW

H.S.

		11	12	13	14			16
		3	4	5	6	7	8	

Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	M_CAN_L
4	B	EARTH
5	B	EARTH
6	L	CAN-H
7	V	K LINE [With 2.0L turbo gasoline engine]
7	W	K LINE [With VR30 engine]
8	W	IGN_SW
11	SB	M_CAN_H
12	R	CAN-L
13	L	CAN-H
14	P	CAN-L
16	W	POWER

Connector No.	M33
Connector Name	WIRE TO WIRE
Connector Type	NH60MW-TS12

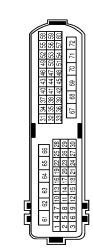
H.S.

JRNWF7457GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

Terminal No.	Color Of Wire	Signal Name [Specification]
6	R	-
8	GR	-
9	GR	-
10	W	-
11	SHIELD	-
12	P	-
13	SB	-
14	LG	-
15	Y	-
16	Y	-
17	P	-
18	W/B	-
19	LG	- [With DRPO]
19	Y	- [Without DRPO]
20	V	-
21	B	-
22	BG	- [Without DRPO]
22	G	- [With DRPO]
23	L	-
24	Y	-
25	BG	- [Without DRPO]
25	L	- [With DRPO]
27	GR	-
28	V	-
29	B	-
30	W	-
31	B	-
32	SB	-
33	L	-
34	BR	-
35	LG	-
36	W	-
37	B	-
38	R	-
39	B	-
40	P	-
41	SB	-
43	W	- [With 2.0L turbo gasoline engine]
43	Y	- [With VR30 engine]
44	BG	-
46	BR	-
47	G	-
49	V	-
50	B	-
52	BR	-
53	B	-
54	L	-
55	BG	-
56	LG	-
57	V	-
58	R	-
59	G	-
60	L	-
61	G	-
62	R	-
63	V	-
64	B	-
65	R	-
66	BR	-
68	P	-
69	V	-
70	W	-
71	LG	-
72	V	-

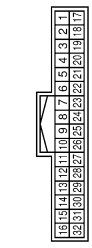
Connector No.	M34
Connector Name	WIRE TO WIRE
Connector Type	NH60MW-TS12



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	R	-
5	L	-
6	R	-
8	W	-
9	GR	-
10	V	-
11	Y	-
13	LG	-
16	G	-
17	B	-
18	W	-
19	B	- [With DRPO]
20	SB	- [Without DRPO]
20	Y	-
21	SHIELD	-
22	B	- [Without Gateway]
23	BG	- [With Gateway]

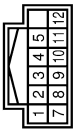
23	P	- [With DRPO]
24	G	-
25	LG	-
26	BG	- [Without DRPO]
26	BR	- [With DRPO]
27	R	-
28	SB	-
29	BG	- [Without DRPO]
29	W/B	- [With DRPO]
30	L	-
38	R	-
39	B	-
49	P	-
51	V	-
52	V	-
55	B	-
56	SB	-
57	G	-
58	G	-
59	LG	-
60	R	-
63	B	-
64	R	-
65	BR	-
66	Y	-
69	BR	-
70	Y	-
71	SB	-
72	W	-

Connector No.	M39
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W/B	-
2	SB	-
3	L	-
4	P	- [Without Gateway]
4	R	- [With Gateway]
5	BR	-
6	SB	-
7	L	-
8	W	-
9	P	- [Without BOSE system]
9	V	- [With BOSE system]
10	V	-
11	SB	-
12	G	-
13	G	-
15	R	-
16	SB	-
17	SHIELD	-
18	W	-
19	Y	-
20	L	-
21	G	-
22	R	-
23	BR	-
26	Y	-
27	LG	-
28	BR	-
29	W/B	-
30	Y	-
31	W	-
32	LG	-

Connector No.	M55
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	ILL
2	W	GND
3	R	ENCD-B SIGNAL
4	R	PUSH SWITCH A SIGNAL
5	W	PUSH SWITCH C SIGNAL
7	V	ILLUMINATION CONTROL SIGNAL
8	W	ENCD-A SIGNAL
9	G	SELECT SWITCH SIGNAL

JRNWF7458GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

10	B	PUSH SWITCH B SIGNAL
11	B	SHIELD
12	L	L/R_DETECTION SIGNAL

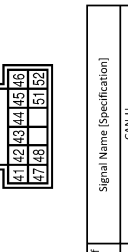
Connector No.	M57
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
6	GR	STOP/START OFF SWITCH INDICATOR SIGNAL
7	G	SECURITY SIGNAL
8	B	-
11	W	ALTERNATOR SIGNAL
14	V	ACC POWER SUPPLY
16	V	AIR BAG SIGNAL
17	BR	METER CONTROL SWITCH GROUND
18	SB	TRIP/RESET SIGNAL
21	B	STEERING SWITCH SIGNAL GROUND
22	P	STEERING SWITCH SIGNAL A
23	W/B	STEERING SWITCH SIGNAL B
24	L	WASHER LEVEL SWITCH SIGNAL
25	LG	BRAKE FLUID LEVEL SWITCH SIGNAL
26	V	PARKING BRAKE SWITCH SIGNAL
27	G	PASSENGER SEAT BELT WARNING SIGNAL
28	W	SEAT BELT BUCKLE SWITCH SIGNAL [DRIVER SIDE]
30	G	MANUAL MODE SIGNAL [With 2.0L turbo gasoline engine models]
30	SB	MANUAL MODE SIGNAL [With VR30DDTT engine models]
31	G	NON-MANUAL MODE SIGNAL [With VR30DDTT engine models]
31	L	NON-MANUAL MODE SIGNAL [With 2.0L turbo gasoline engine models]
32	BG	MANUAL MODE SHIFT UP SIGNAL
33	GR	MANUAL MODE SHIFT DOWN SIGNAL [With VR30DDTT engine models]
33	P	MANUAL MODE SHIFT DOWN SIGNAL [With 2.0L turbo gasoline engine models]
34	BG	PADDLE SHIFTER UP SWITCH SIGNAL
35	G	PADDLE SHIFTER DOWN SWITCH SIGNAL
36	V	ILLUMINATION CONTROL SWITCH SIGNAL (+)
37	GR	ILLUMINATION CONTROL SWITCH SIGNAL (-)
38	R	VEHICLE SPEED SIGNAL (8-PULSE)

Connector No.	M58
Connector Name	COMBINATION METER
Connector Type	TH12FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
41	L	CAN-H
42	P	CAN-L
43	B	ILLUMINATION CONTROL SIGNAL
44	Y	FUEL LEVEL SENSOR GROUND
45	W	BATTERY POWER SUPPLY
46	BG	IGNITION SIGNAL [With 2.0L turbo gasoline engine models]
46	R	IGNITION SIGNAL [With VR30DDTT engine models]
47	SB	AV COMMUNICATION SIGNAL (H)
48	LG	AV COMMUNICATION SIGNAL (L)
51	BR	FUEL LEVEL SENSOR SIGNAL
52	B	GROUND

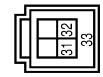
Connector No.	M60
Connector Name	NAVI CONTROL UNIT
Connector Type	TH28FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	BATTERY POWER SUPPLY
3	B	GROUND
5	SB	ACC POWER SUPPLY
7	R	VEHICLE SPEED SIGNAL (8-PULSE)
12	G	MICROPHONE SIGNAL
13	SHIELD	SHIELD
14	W	VOICE GUIDANCE SIGNAL OUTPUT (+)
15	Y	BATTERY POWER SUPPLY
17	B	GROUND

19	W	IGNITION SIGNAL
21	BR	REVERSE SIGNAL
26	R	MICROPHONE SIGNAL GROUND
27	SHIELD	SHIELD
28	B	VOICE GUIDANCE SIGNAL OUTPUT (-)

Connector No.	M61
Connector Name	NAVI CONTROL UNIT
Connector Type	Tyco_1554987-3

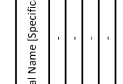


Terminal No.	Color Of Wire	Signal Name [Specification]
31	W	LVDS (+)
32	B	LVDS (-)
33	SHIELD	SHIELD

Connector No.	M62
Connector Name	NAVI CONTROL UNIT
Connector Type	Tyco_1554987-4

Terminal No.	Color Of Wire	Signal Name [Specification]
34	G	USB GROUND
35	W	USB V BUS SIGNAL
36	R	USB D- SIGNAL
37	L	USB D+ SIGNAL
38	SHIELD	SHIELD

Connector No.	M63
Connector Name	NAVI CONTROL UNIT
Connector Type	Tyco_1554987-5



Terminal No.	Color Of Wire	Signal Name [Specification]
39	G	USB GROUND
40	W	USB V BUS SIGNAL
41	R	USB D- SIGNAL
42	L	USB D+ SIGNAL
43	SHIELD	SHIELD

Connector No.	M87
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FGY-1V

Terminal No.	Color Of Wire	Signal Name [Specification]
24	P	-
25	SB	-
31	W/B	-
32	Y	-
33	B	-

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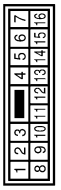
INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

Connector No.	M92
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BR	-
3	V	-
4	R	-
5	GR	-
6	V	-
7	L	-
9	P	-
10	GR	-
11	SB	-
12	W	-
13	G	-
14	BR	-
15	P	-
16	LG	-

Connector No.	M97
Connector Name	BACK-UP LAMP RELAY
Connector Type	M502FL-M2-LC

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	SB	- [With 2.0L turbo gasoline engine]
2	W	- [With VR30 engine]
3	R	-
5	BR	-

Connector No.	M98
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-5

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	USB GROUND
2	W	USB V BUS SIGNAL
3	R	USB D- SIGNAL
4	L	USB D+ SIGNAL
5	SHIELD	SHIELD

Connector No.	M96
Connector Name	CENTER SQUAWKER
Connector Type	TK02-FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	GR	-

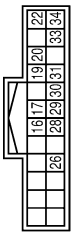
Connector No.	M99
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-4

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
6	G	USB GROUND
7	W	USB V BUS SIGNAL
8	R	USB D- SIGNAL
9	L	USB D+ SIGNAL
10	SHIELD	SHIELD

Connector No.	M100
Connector Name	DISPLAY CONTROL UNIT
Connector Type	TH24FW-NH

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
16	LG	AV COMMUNICATION SIGNAL (L)
17	P	CAN-L
19	R	DIMMER SIGNAL
20	BR	REVERSE SIGNAL
22	B	GROUND
26	BR	CAMERA SWITCH SIGNAL
28	SB	AV COMMUNICATION SIGNAL (H)
29	L	CAN-H
30	R	IGNITION SIGNAL [With VR30 engine]
30	W	IGNITION SIGNAL [With 2.0L turbo gasoline engine]
31	R	VEHICLE SPEED SIGNAL [8-PULSE]
33	SB	ACC POWER SUPPLY
34	Y	BATTERY POWER SUPPLY

Connector No.	M101
Connector Name	DISPLAY CONTROL UNIT
Connector Type	TH40FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
36	LG	COMPOSITE IMAGE SIGNAL (-)
38	SHIELD	SHIELD
40	SHIELD	MANUFACTURER SPECIFIC SIGNAL
42	G	SOUND SIGNAL RH (-)
43	SHIELD	SHIELD
44	L	SOUND SIGNAL LH (-)
45	W	TEL VOICE SIGNAL (-)
46	SHIELD	SHIELD
47	R	VOICE GUIDANCE SIGNAL OUTPUT (-)
48	B	VOICE GUIDANCE SIGNAL INPUT (-)
49	W	NS ON/OFF SIGNAL
50	R	MICROPHONE SIGNAL GROUND [WITH NAVIGATION]
51	SHIELD	SHIELD
52	SHIELD	MICROPHONE SIGNAL GROUND
54	W	CAMERA POWER SUPPLY GROUND
55	SHIELD	SHIELD
56	BR	COMPOSITE IMAGE SIGNAL (+)
58	B	CAMERA IMAGE SIGNAL
60	W	SOUND SIGNAL (-)
61	B	SOUND SIGNAL (+)
62	R	SOUND SIGNAL RH (+)
63	SHIELD	SHIELD
64	V	SOUND SIGNAL LH (+)
65	B	TEL VOICE SIGNAL (+)
66	SHIELD	SHIELD
67	G	VOICE GUIDANCE SIGNAL OUTPUT (+)
68	W	VOICE GUIDANCE SIGNAL INPUT (+)
69	SHIELD	SHIELD
70	G	MICROPHONE SIGNAL (NAVI)
71	G	MICROPHONE SIGNAL [Without telematics system]
71	R	MICROPHONE SIGNAL [With telematics system]
72	L	MICROPHONE VCC
74	R	CAMERA POWER SUPPLY

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INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

Connector No.	M102
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-3

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
77	W	LVDS (+)
78	B	LVDS (-)
79	SHIELD	SHIELD

Connector No.	M103
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-1

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
80	G	USB GROUND
81	W	USB V BUS SIGNAL
82	R	USB D- SIGNAL
83	L	USB D+ SIGNAL
84	SHIELD	SHIELD

Connector No.	M105
Connector Name	DISPLAY CONTROL UNIT
Connector Type	Tyco_1554987-6

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
92	W	LVDS (+)
93	B	LVDS (-)
94	SHIELD	SHIELD

Connector No.	M112
Connector Name	FRONT SQUAWKER RH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	L	-

Connector No.	M115
Connector Name	FRONT SQUAWKER LH
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	V	-

Connector No.	M132
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
11B	LG	-
13B	P	-
14B	G	-
15B	Y	-
16B	Y	-
2B	B	-
4B	W	-
5B	R	-
9B	Y	-

Connector No.	M133
Connector Name	FUSE BLOCK (J/B)
Connector Type	TH40FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
10C	V	-
12C	L	-
13C	L	-
14C	Y	-
15C	R	-
16C	R	-
17C	L	-
18C	BG	- [Without DRPO]
18C	P	- [With DRPO]
19C	B	-
1C	R	-
20C	W	-
21C	L	-
22C	L	-
23C	L	-
25C	LG	-
26C	SB	-
27C	P	-
28C	W	-
29C	W	-
2C	R	-
30C	R	-
31C	W	-
32C	R	- [With VR30 engine]
33C	B	- [With 2.0L turbo gasoline engine]
33C	R	
34C	W/B	-
35C	SB	-
36C	R	-
37C	W	-
38C	SB	-
39C	V	-
3C	P	-
40C	G	-
4C	P	-
5C	P	-

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INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

6C	G
7C	G
8C	G
9C	V

Connector No.	M135
Connector Name	JOINT CONNECTOR-M09
Connector Type	24342_4GA2A

H.S.

	6	5	4	3	2	1
		11	10	9		
18	17	16	15	14	13	
24	23	22	21	20	19	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-
4	B	-
5	B	-
6	B	-
9	LG	-
10	LG	-
11	LG	-
13	B	- [With VR30 engine]
13	SB	- [With 2.0L turbo gasoline engine]
14	B	- [With VR30 engine]
14	SB	- [With 2.0L turbo gasoline engine]
15	B	- [With VR30 engine]
15	SB	- [With 2.0L turbo gasoline engine]
16	SB	- [With 2.0L turbo gasoline engine]
16	Y	- [With VR30 engine]
17	SB	- [With 2.0L turbo gasoline engine]
17	Y	- [With VR30 engine]
18	SB	- [With 2.0L turbo gasoline engine]
18	Y	- [With VR30 engine]
19	SHIELD	-
20	R	-
21	R	-
22	SHIELD	-
23	L	-
24	L	-

Connector No.	M137
Connector Name	JOINT CONNECTOR-M10
Connector Type	24342_4GA2A

H.S.

	5	4	3	2	1	
11	10	9			8	7
		16	15		13	
		22	21		19	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-
4	B	-
5	B	-
7	B	-
8	B	-
9	B	-
10	B	-
11	B	-
13	L	-
15	L	-
16	L	-
19	R	-
21	R	-
22	R	-

Connector No.	M142
Connector Name	EXTERNAL DATA INPUT BOX
Connector Type	GT17VS-10DS-HU

H.S.

						1	2		
						3	4		
						7	8		
						9	10		
							11		

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	USB D+ SIGNAL
2	W	USB V BUS SIGNAL
3	R	USB D- SIGNAL
4	G	USB GND

7	G	USB GND
8	R	USB D- SIGNAL
9	W	USB V BUS SIGNAL
10	L	USB D+ SIGNAL
11	SHIELD	SHIELD

Connector No.	M143
Connector Name	EXTERNAL DATA INPUT BOX
Connector Type	TH12FW-NH

H.S.

					16	17
12	13	14				
			20	21	22	

Terminal No.	Color Of Wire	Signal Name [Specification]
12	W	AUX SOUND SIGNAL LH
13	R	AUX_AUDIO-
14	B	AUX SOUND SIGNAL RH
16	B	GND
17	Y	BAT
20	L	AUX IMAGE SIGNAL (+)
21	V	AUX IMAGE SIGNAL (-)
22	SB	ACC

Connector No.	M144
Connector Name	TCU
Connector Type	TH40FB-NH

H.S.

													2	1
18	17	16				32	31			7	6	5		
						33	30						3	4
	37					34	35	36	29	28	27	26		

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	BATTERY POWER SUPPLY
2	SB	ACC POWER SUPPLY [With 2.0L turbo gasoline engine]
2	V	ACC POWER SUPPLY [With VR30 engine]
3	SB	ACC OUTPUT
5	BR	SOS SWITCH LED SIGNAL

6	L	CAN-H
7	P	CAN-L
10	R	IGNITION SIGNAL [With VR30 engine]
10	W	IGNITION SIGNAL [With 2.0L turbo gasoline engine]
11	SHIELD	MICROPHONE SIGNAL GROUND
12	R	MICROPHONE SIGNAL
16	SHIELD	SHIELD
17	G	MICROPHONE SIGNAL
18	L	MICROPHONE VCC
26	SB	AV COMMUNICATION SIGNAL (H)
27	LG	AV COMMUNICATION SIGNAL (L)
28	B	GROUND
29	B	GROUND
30	SHIELD	SHIELD
31	B	SOUND SIGNAL (+)
32	W	SOUND SIGNAL (-)
37	G	SOS CALL SWITCH SIGNAL

Connector No.	M159
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-NH

H.S.

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21

Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	BR	-
4	R	-
5	GR	-
6	W	-
9	SHIELD	-
10	W	-
11	R	-
12	L	-
13	G	-
14	W	- [With VR30 engine]
14	Y	- [With 2.0L turbo gasoline engine]
15	B	-
17	B	-
19	R	-
20	BG	*1:With 2.0L turbo gasoline engine and with BOSE speaker system without BOSE speaker

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INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

20	BR	- [With VR30 engine and with BOSE system]
20	SB	- [With 2.0L turbo gasoline engine and without BOSE system]
21	R	-
22	G	-
24	B	-
25	W	-
26	R	-
28	B	-
29	G	-
30	L	-
31	R	-
32	W	-
33	L	-
36	V	-
38	LG	-
40	L	- [With 2.0L turbo gasoline engine and without BOSE system]
40	W	- [Except with 2.0L turbo gasoline engine and without BOSE system]

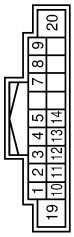
Connector No.	M160
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	LG	-
3	BR	-
4	R	-
6	B	-
7	R	-
8	V	-

Connector No.	M163
Connector Name	AV CONTROL UNIT
Connector Type	NH18FW-CS2

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	SHIELD
2	L	SOUND SIGNAL FRONT LH (+)
3	R	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (+)
5	SB	SOUND SIGNAL REAR LH (-)
7	SB	ACC POWER SUPPLY
8	W/B	DISK EJECT SIGNAL
9	BG	DISK EJECT SIGNAL GROUND
10	SHIELD	SHIELD
11	LG	SOUND SIGNAL FRONT RH (+)
12	P	SOUND SIGNAL FRONT RH (-)
13	L	SOUND SIGNAL REAR RH (+)
14	P	SOUND SIGNAL REAR RH (-)
19	Y	BATTERY POWER SUPPLY
20	B	GROUND

Connector No.	M164
Connector Name	AV CONTROL UNIT
Connector Type	TH40FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
22	LG	AV COMMUNICATION SIGNAL (L)
36	L	AUX IMAGE SIGNAL (+)
38	BR	COMPOSITE IMAGE SIGNAL (+)
39	LG	COMPOSITE IMAGE SIGNAL (-)
40	SHIELD	SHIELD

42	SB	AV COMMUNICATION SIGNAL (H)
56	V	AUX IMAGE SIGNAL (-)
57	SHIELD	SHIELD

Connector No.	M165
Connector Name	AV CONTROL UNIT
Connector Type	TH12FW-NH

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
61	V	SOUND SIGNAL LH (+)
62	R	SOUND SIGNAL RH (+)
63	SHIELD	SHIELD
65	SHIELD	SHIELD
66	W	AUX SOUND SIGNAL LH
67	L	SOUND SIGNAL LH (-)
68	G	SOUND SIGNAL RH (-)
69	SHIELD	SHIELD
71	R	AUX SOUND SIGNAL GROUND
72	B	AUX SOUND SIGNAL RH

Connector No.	M166
Connector Name	AV CONTROL UNIT
Connector Type	TH16FW-NH

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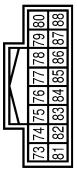


Terminal No.	Color Of Wire	Signal Name [Specification]
73	B	TEL VOICE SIGNAL (+)
74	SHIELD	SHIELD
75	G	VOICE GUIDANCE SIGNAL OUTPUT (+)
76	B	SHIELD
77	G	SOUND SIGNAL FRONT LH (+)

78	L	SOUND SIGNAL FRONT LH (-)
79	LG	SOUND SIGNAL REAR LH (+)
80	P	SOUND SIGNAL REAR LH (-)
81	W	TEL VOICE SIGNAL (-)
82	SHIELD	SHIELD
83	R	VOICE GUIDANCE SIGNAL OUTPUT (-)
84	B	SHIELD
85	R	SOUND SIGNAL FRONT RH (+)
86	L	SOUND SIGNAL FRONT RH (-)
87	B	SOUND SIGNAL REAR RH (+)
88	W	SOUND SIGNAL REAR RH (-)

Connector No.	M167
Connector Name	AV CONTROL UNIT
Connector Type	Tyco_1554987-1

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
89	G	USB GROUND
90	W	USB V BUS SIGNAL
91	R	USB D- SIGNAL
92	L	USB D+ SIGNAL
93	SHIELD	SHIELD

Connector No.	M171
Connector Name	JOINT CONNECTOR-M01
Connector Type	24342_4GA2A

H.S.

JRNWF7463GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-
4	B	-
5	B	-
6	B	-
7	B	-
8	B	-
9	B	-
10	G	-
11	G	-
13	B	-
14	B	-
15	B	-
16	SB	- [With VR30 engine]
16	Y	- [With 2.0L turbo gasoline engine]
17	SB	- [With VR30 engine]
17	Y	- [With 2.0L turbo gasoline engine]
18	SB	- [With VR30 engine]
18	Y	- [With 2.0L turbo gasoline engine]
19	G	-
20	G	-
22	LG	- [With VR30 engine]
22	SB	- [With 2.0L turbo gasoline engine]
23	LG	- [With VR30 engine]
23	SB	- [With 2.0L turbo gasoline engine]
24	LG	- [With VR30 engine]
24	SB	- [With 2.0L turbo gasoline engine]

Connector No.	M173
Connector Name	JOINT CONNECTOR-M03
Connector Type	24342_4GA2A

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	L	-
3	L	-
4	L	-
5	L	-
6	L	-
9	Y	-

Terminal No.	Color Of Wire	Signal Name [Specification]
5	L	-
6	L	-
7	R	-
8	R	-
9	R	-
10	R	-
11	R	-
12	R	-
13	SB	-
14	SB	-
15	SB	-
16	L	- [With 2.0L turbo gasoline engine]
16	SB	- [With VR30 engine]
17	L	- [With 2.0L turbo gasoline engine]
17	SB	- [With VR30 engine]
18	L	- [With 2.0L turbo gasoline engine]
18	SB	- [With VR30 engine]
19	BR	- [With VR30 engine]
19	LG	- [With 2.0L turbo gasoline engine]
20	BR	- [With VR30 engine]
20	LG	- [With 2.0L turbo gasoline engine]
21	BR	- [With VR30 engine]
21	LG	- [With 2.0L turbo gasoline engine]
22	R	- [With 2.0L turbo gasoline engine]
22	SB	- [With VR30 engine]
23	R	- [With 2.0L turbo gasoline engine]
23	SB	- [With VR30 engine]
24	R	- [With 2.0L turbo gasoline engine]
24	SB	- [With VR30 engine]

Connector No.	M174
Connector Name	JOINT CONNECTOR-M04
Connector Type	24342_4GA2A

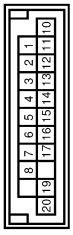
H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
3	L	-
4	L	-
5	L	-
6	L	-
9	Y	-

Terminal No.	Color Of Wire	Signal Name [Specification]
10	Y	-
11	Y	-
12	Y	-
13	SB	-
14	SB	-
15	SB	-
16	SB	-
17	SB	-
18	SB	-
19	LG	-
20	LG	-
21	LG	-
22	LG	-
23	LG	-
24	LG	-

Connector No.	M175
Connector Name	JOINT CONNECTOR-M05
Connector Type	NH20FL-DC

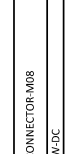
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	L	-
3	L	-
4	L	-
5	L	-
6	L	-
7	L	-
8	L	-
10	P	-
11	P	-
12	P	-
13	P	-
14	P	-
15	P	-
16	P	-
17	P	-
19	W	-
20	W	-

Connector No.	M177
Connector Name	JOINT CONNECTOR-M07
Connector Type	24342_4GA2A

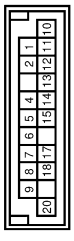
H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
3	L	-
4	L	-
5	L	-
6	L	-
7	P	-
9	P	-
10	P	-
11	P	-
12	P	-
16	L	-
17	L	-
18	L	-
22	P	-
23	P	-
24	P	-

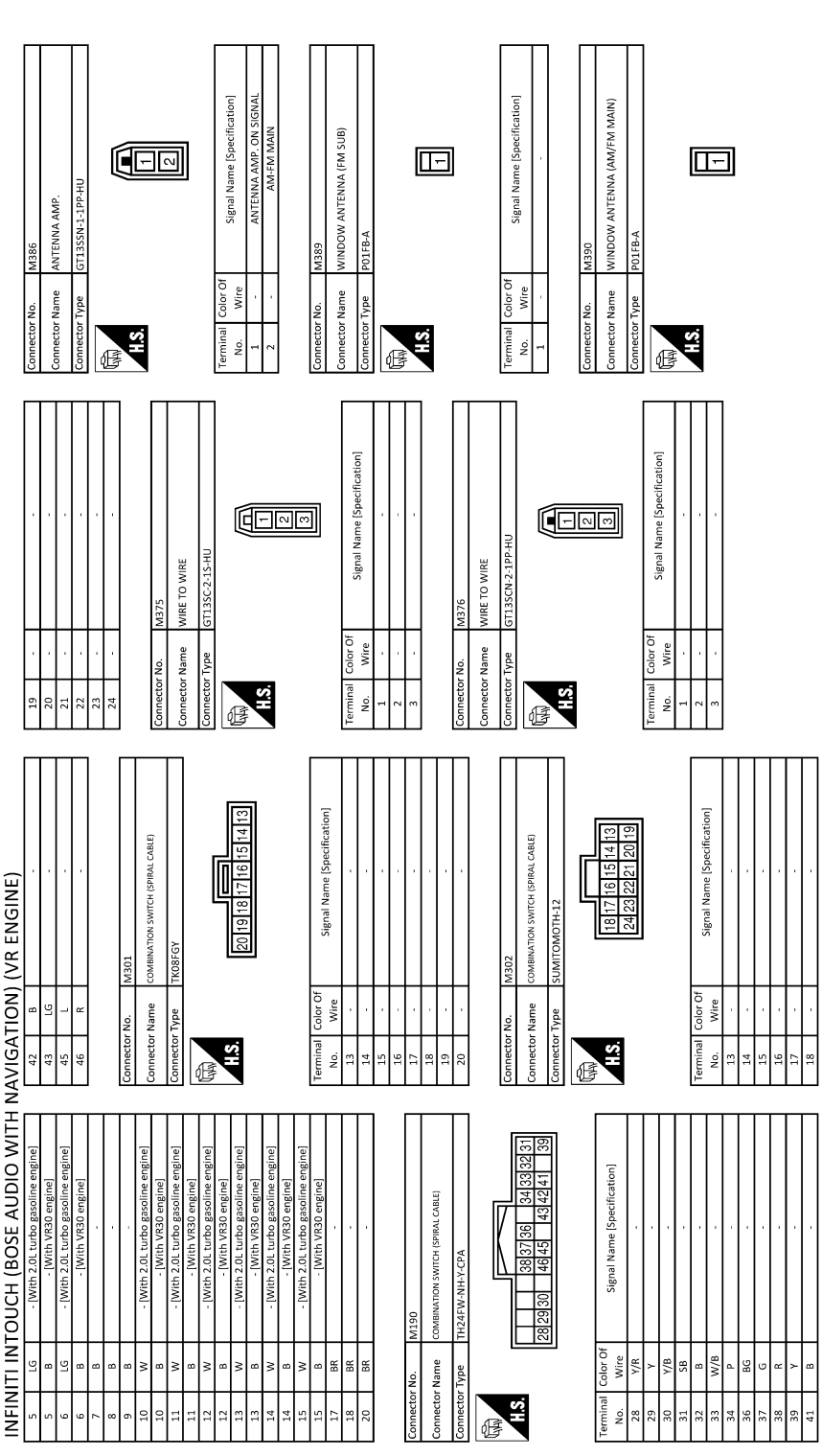
Connector No.	M178
Connector Name	JOINT CONNECTOR-M08
Connector Type	NH20FW-DC

H.S.



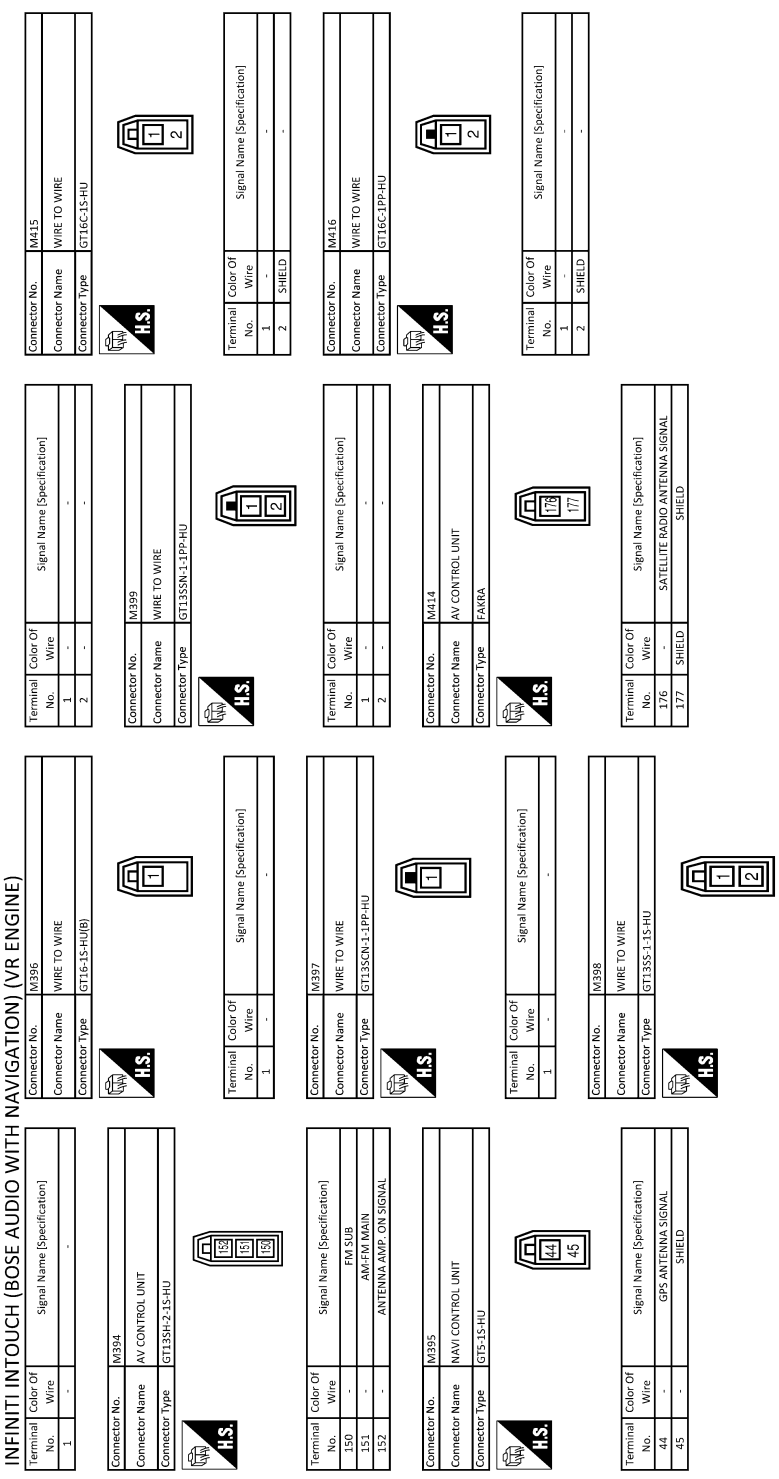
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	R	-
4	LG	- [With 2.0L turbo gasoline engine]
4	B	- [With VR30 engine]

JRNWF7464GB



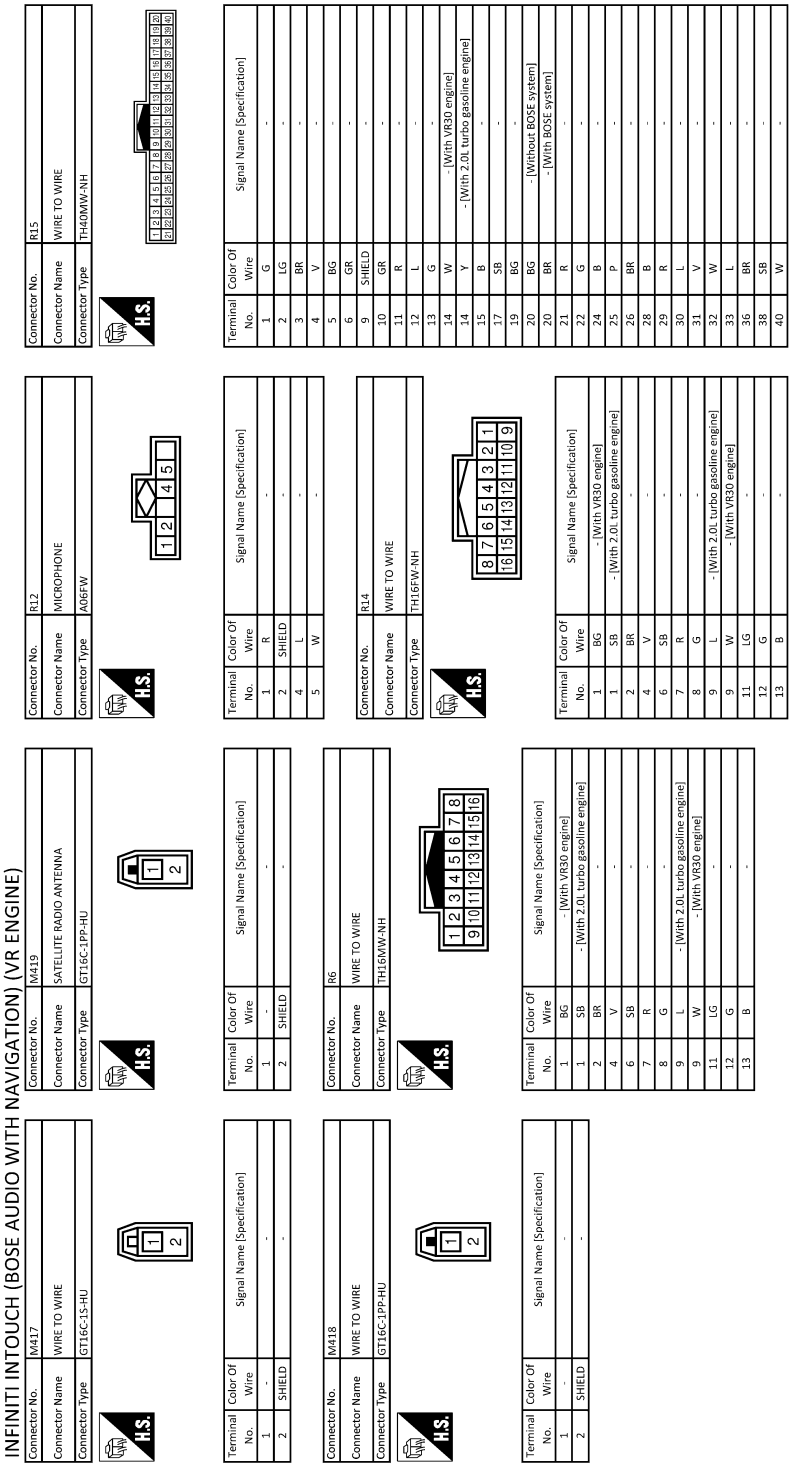
JRNWF7465GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)



JRNWF7466GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)



JRNWF7467GB

INFINITI INTOUCH (BOSE AUDIO WITH NAVIGATION) (VR ENGINE)

Connector No.	R16
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	Y	-
4	W	-
6	B	-
7	GR	-
8	V	-

Connector No.	R19
Connector Name	FRONT MICROPHONE (LH) (ACTIVE NOISE CANCELATION)
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	LG	-

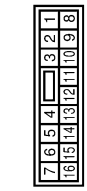
Connector No.	R20
Connector Name	FRONT MICROPHONE (RH) (ACTIVE NOISE CANCELATION)
Connector Type	TK02FBR

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	BR	-

Connector No.	T48
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS

H.S.



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BG	-
4	L	-
5	P	-
6	G	-
8	B	-
9	R	-
10	P	-
11	L	-
13	G	- [With around view monitor]
13	L	- [With rear view monitor]
14	B	- [With rear view monitor]
14	R	- [With around view monitor]
15	B	- [With around view monitor]
15	W	- [With rear view monitor]
16	R	- [With rear view monitor]
16	W	- [With around view monitor]

Connector No.	T54
Connector Name	REAR VIEW CAMERA
Connector Type	RH06FB-1V

H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	GND
2	R	CAMAERA_ON
4	B	COMP+
5	L	COMP-

JRNWF7468GB

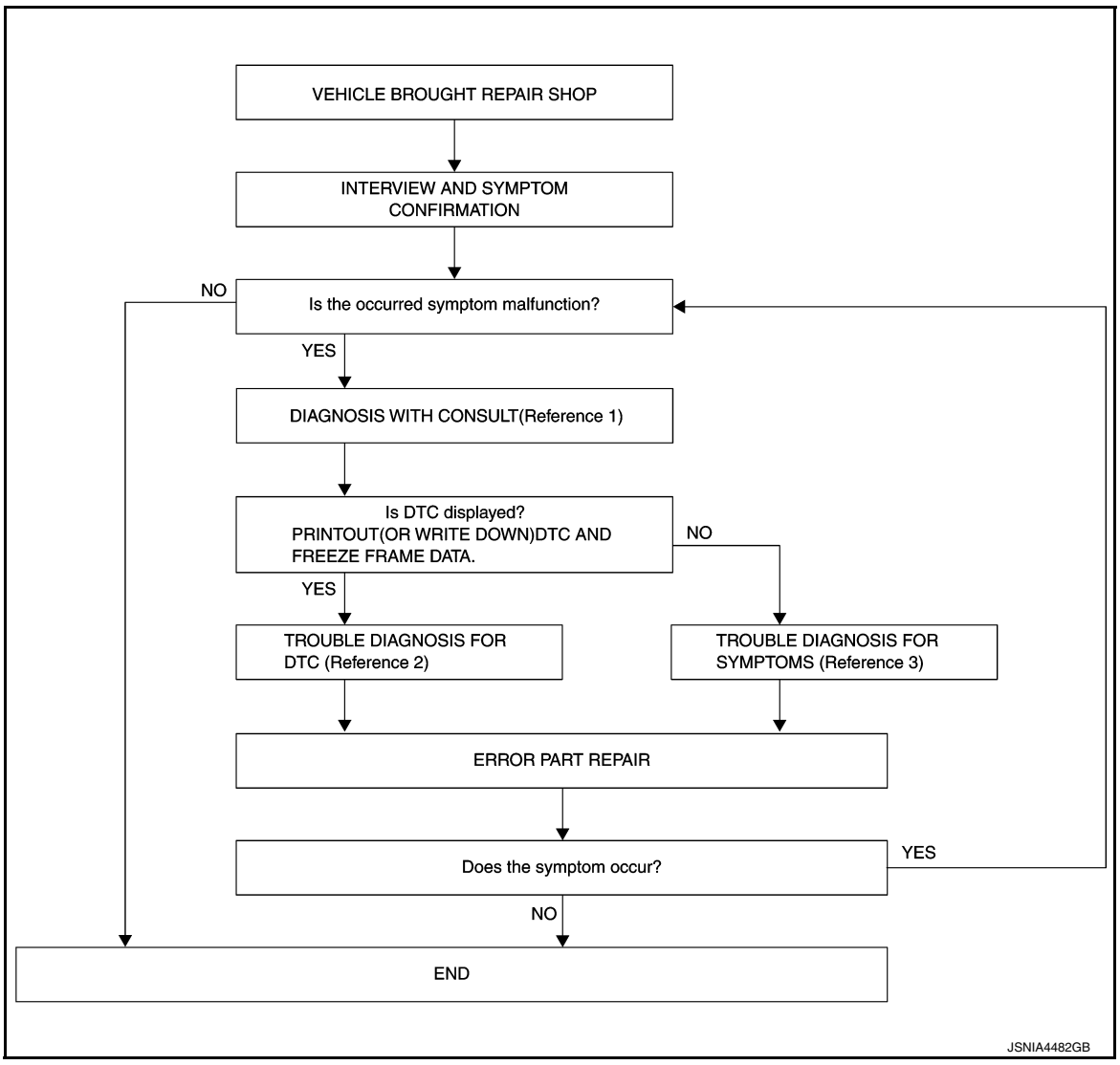
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORKFLOW

Work Flow

INFOID:0000000013717300

OVERALL SEQUENCE



- Reference 1··· Refer to AV-102, "CONSULT Function".
- Reference 2··· Refer to AV-113, "DTC Index".
- Reference 3··· Refer to AV-422, "Symptom Table".

DETAILED FLOW

1. INTERVIEW AND SYMPTOM CONFIRMATION

Check the malfunction symptoms by performing the following items.
- Interview the customer to obtain the malfunction information (conditions and environment when the malfunction occurred).
- Check the symptom.

Is the occurred symptom malfunction?

YES >> GO TO 2.
NO >> INSPECTION END

2. DIAGNOSIS WITH CONSULT

1. Connect CONSULT and perform a self-diagnosis for “MULTI AV”. Refer to AV-102, "CONSULT Function".
   NOTE:
   Skip to step 4 of the diagnosis procedure if “MULTI AV” is not displayed.
2. When DTC is detected, follow the instructions below:

- Record DTC and Freeze Frame Data.

Is DTC displayed?

YES >> GO TO 3.
NO >> GO TO 4.

3. TROUBLE DIAGNOSIS FOR DTC

1. Check the DTC indicated in the “Self-Diagnosis Results”.
2. Perform the relevant diagnosis referring to the DTC Index. Refer to AV-113, "DTC Index".

>> GO TO 5.

4. TROUBLE DIAGNOSIS FOR SYMPTOMS

Perform the relevant diagnosis referring to the diagnosis chart by symptom. Refer to AV-422, "Symptom Table".

>> GO TO 5.

5. ERROR PART REPAIR

1. Repair or replace the identified malfunctioning parts.
2. Perform a self-diagnosis for “MULTI AV” with CONSULT.
   NOTE:
   Erase the stored self-diagnosis results after repairing or replacing the relevant components if any DTC has been indicated in the “Self-Diagnosis Results”.
3. Check that the symptom does not occur.

Does the symptom occur?

YES >> GO TO 1.
NO >> INSPECTION END

ADDITIONAL SERVICE WHEN REPLACING DISPLAY CONTROL UNIT

Description

INFOID:0000000013717301

Perform the following operations when replacing display control unit.
Configuration, refer to AV-289, "Work Procedure".

Work Procedure

INFOID:0000000013717302

1.SAVING VEHICLE SPECIFICATION

CONSULT Configuration
Perform “Before Replace ECU” of “Read / Write Configuration” to save or print current vehicle specification.
NOTE:
If “Before Replace ECU” of “Read / Write Configuration” can not be used, use the “Manual Configuration” after replacing display control unit.

>> GO TO 2.

2.REPLACE DISPLAY CONTROL UNIT

Replace display control unit. Refer to AV-431, "Removal and Installation".

>> GO TO 3.

3.WRITING VEHICLE SPECIFICATION

CONSULT Configuration
Perform “After Replace ECU” of “Read / Write Configuration” or “Manual Configuration” to write vehicle specification. Refer to AV-292, "Work Procedure".

>> WORK END

ADDITIONAL SERVICE WHEN REPLACING AV CONTROL UNIT

Description

INFOID:0000000013717303

Perform the following operations when replacing AV control unit.
Configuration of display control unit, refer to AV-290, "Work Procedure".

Work Procedure

INFOID:0000000013717304

1.SAVING VEHICLE SPECIFICATION

CONSULT Configuration
Perform “Before Replace ECU” of “Read / Write Configuration” in “MULTI AV” to save or print current vehicle specification.
NOTE:
If “Before Replace ECU” of “Read / Write Configuration” can not be used, use the “Manual Configuration” after replacing AV control unit.

>> GO TO 2.

2.REPLACE AV CONTROL UNIT

Replace AV control unit. Refer to AV-432, "Removal and Installation".

>> GO TO 3.

3.WRITING VEHICLE SPECIFICATION

CONSULT Configuration
Perform “After Replace ECU” of “Read / Write Configuration” or “Manual Configuration” to write vehicle specification. Refer to AV-292, "Work Procedure".

>> WORK END

ADDITIONAL SERVICE WHEN REPLACING NAVI CONTROL UNIT

Description

INFOID:0000000013717305

Perform the following operations when replacing NAVI control unit.
Configuration of display control unit, refer to AV-291, "Work Procedure".

Work Procedure

INFOID:0000000013717306

1.SAVING VEHICLE SPECIFICATION

CONSULT Configuration
Perform “Before Replace ECU” of “Read / Write Configuration” in “MULTI AV” to save or print current vehicle specification.
NOTE:
If “Before Replace ECU” of “Read / Write Configuration” can not be used, use the “Manual Configuration” after replacing NAVI control unit.

>> GO TO 2.

2.REPLACE NAVI CONTROL UNIT

Replace NAVI control unit. Refer to AV-433, "Removal and Installation".

>> GO TO 3.

3.WRITING VEHICLE SPECIFICATION

CONSULT Configuration
Perform “After Replace ECU” of “Read / Write Configuration” or “Manual Configuration” to write vehicle specification. Refer to AV-292, "Work Procedure".

>> WORK END

CONFIGURATION (DISPLAY CONTROL UNIT)

Work Procedure

INFOID:0000000013717307

1.WRITING MODE SELECTION

CONSULT Configuration
Select “Re/programming, Configuration” of “MULTI AV”.

When writing saved data>>GO TO 2.
When writing manually>>GO TO 3.

2.WRITING VEHICLE SPECIFICATION

CONSULT Configuration
Select “Configuration” or “After Replace ECU”, and write the vehicle specification saved in CONSULT to display control unit.

CAUTION:
Do not perform any operation such as the navigation operation during configuration writing.

>> GO TO 4.

3.WRITE VEHICLE SPECIFICATION

CONSULT Configuration
Select “Manual Configuration”, and write the setting value as shown in the following table to display control unit according to the vehicle specification.

CAUTION:
Grasp vehicle specifications precisely. The control of ECU may not function normally if the specifications are misread.

NOTE:
- The items shown in this list depend on vehicle specifications.
- The config list may not be displayed depending on vehicle specifications. This is not a malfunction.
- If selection items are not displayed on the CONSULT screen, touch “NEXT”.

MANUAL SETTING ITEM		Detail
Items	Setting value	
NAVIGATION	WITH	Models with navigation
	WITHOUT	Models without navigation
HYBRID	OFF	Except hybrid models
	FR TYPE	Hybrid models (2WD)
	FR TYPE 4WD	Hybrid models (4WD)
CAMERA SYSTEM	REAR CAMERA	With rear view monitor system
	NONE/AVM ph3	With around view monitor system
SONAR TYPE	NONE	Models without sonar
	FRONT&REAR	Models with sonar
AUDIO AMP TYPE	160W AMP	Models without BOSE system
	2ch AMP	Models with BOSE system
LDP (LANE DEPARTURE PREVENTION)	On	Models with LDP
	Off	Models without LDP
PREDICTIVE COURSE LINE	WITHOUT/WITH AVM	With around view monitor system
	WITH (RVM WITHOUT DAST)	With rear view monitor system without direct adaptive steering
	WITH (RVM WITH DAST)	With rear view monitor system and direct adaptive steering

MANUAL SETTING ITEM		Detail
Items	Setting value	
DESTINATION	US	Except for Canada
	CAN	For Canada

>> GO TO 5.

4. PERFORM SELF-DIAGNOSIS

CONSULT Self Diagnostic Result
Perform self-diagnosis of CONSULT, and check whether or not DTC U1223 is detected.

Is DTC U1223 detected?

YES >> GO TO 3.
NO >> GO TO 5.

5. OPERATION CHECK

Check that the operation of the display control unit and camera images (fixed guide lines and predictive course lines) are normal.

>> WORK END

DTC/CIRCUIT DIAGNOSIS

B1F00 ACTIVE NOISE CONTROL UNIT

DTC Description

INFOID:0000000013717308

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
B1F00	ANC UNIT (Active noise control unit)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	—
		Threshold	Active noise control unit malfunction
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

Active noise control unit

FAIL-SAFE

Active noise cancellation and active sound enhancement function are deactivated.

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “ANC” using CONSULT.
5. Check DTC.

Is DTC B1F00 detected?

YES >> Proceed to AV-294, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717309

1. PERFORM DTC CONFIRMATION PROCEDURE AGAIN

1. Turn ignition switch ON.
2. Erase DTC.
3. Perform DTC confirmation procedure again. Refer to AV-294, "DTC Description".

Is DTC B1F00 detected again?

YES >> Replace active noise control unit. Refer to AV-455, "Removal and Installation".
NO >> INSPECTION END

B1F01 ENGINE SPEED SIGNAL
WITH BOSE SYSTEM

WITH BOSE SYSTEM : DTC Description

INFOID:0000000013717310

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
B1F01	ENG SPEED SIG ERROR (Engine speed signal error)	Diagnosis condition	When during engine running
		Signal (terminal)	Engine speed signal
		Threshold	20% or more of error
		Diagnosis delay time	1 seconds or more

POSSIBLE CAUSE

- Harness or connectors (Engine speed signal circuit)
- BOSE amp.
- ECM

FAIL-SAFE

Active noise cancellation and active sound enhancement function are deactivated

DTC CONFIRMATION PROCEDURE

1. CHECK DTC PRIORITY

If B1F01 is displayed with DTC U1000 or U1010, first perform the confirmation procedure (trouble diagnosis) for DTC U1000 or U1010.

Is applicable DTC detected?

YES >> Perform diagnosis of applicable.
- U1000: Refer to AV-327, "DISPLAY CONTROL UNIT : DTC Description".
- U1010: Refer to AV-330, "DISPLAY CONTROL UNIT : DTC Description".

NO >> GO TO 2.

2. PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Start engine and wait at least 30 seconds.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC B1F01 detected?

YES >> Proceed to AV-295, "WITH BOSE SYSTEM : Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

WITH BOSE SYSTEM : Diagnosis Procedure

INFOID:0000000013717311

1. CHECK SELF-DIAGNOSTIC RESULT OF ECM

With CONSULT
Check “Self Diagnostic Result” of “ENGINE” using CONSULT.

Is any DTC detected?

YES >> Perform trouble diagnosis for detected DTC. Refer to following.
- VR30DDTT (Turbo high pressure model): EC6-157, "TURBO HIGH PRESSURE MODEL : DTC Index"
- VR30DDTT (Turbo low pressure model): EC6-199, "TURBO LOW PRESSURE MODEL : DTC Index"
- 2.0L turbo gasoline engine: EC4-145, "DTC Index"

NO >> GO TO 2.

2.CHECK HARNESS CONTINUITY BETWEEN BOSE AMP. AND ECM

1. Turn ignition switch OFF.
2. Disconnect BOSE amp. and ECM harness connector.
3. Check the continuity between BOSE amp. harness connector and ECM harness connector.

2.0L turbo gasoline engine

BOSE amp.		ECM		Continuity
Connector	Terminal	Connector	Terminal	
B55	78	E200	109	Existed

VR30DDTT

BOSE amp.		ECM		Continuity
Connector	Terminal	Connector	Terminal	
B55	78	E152	178	Existed

Is inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3.CHECK HARNESS CONTINUITY BETWEEN BOSE AMP. AND GROUND

Check the continuity between BOSE amp. harness connector and ground.

BOSE amp.		Ground	Continuity
Connector	Terminal		
B55	78		Not existed

Is inspection result normal?

YES >> GO TO 4.
NO >> Repair or replace malfunctioning parts.

4.CHECK VOLTAGE BETWEEN BOSE AMP. AND GROUND

Check the voltage between BOSE amp. harness connector and ground.

Terminals			Voltage (Approx.)
(+)		(–)	
BOSE amp.			
Connector	Terminal		
B55	78	Ground	0 V

Is inspection result normal?

YES >> Replace BOSE amp. Refer to AV-438, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

WITHOUT BOSE SYSTEM

WITHOUT BOSE SYSTEM : DTC Description

INFOID:0000000013717312

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
B1F01	ENG SPEED SIG ERROR (Engine speed signal error)	Diagnosis condition	When during engine running
		Signal (terminal)	Engine speed signal
		Threshold	12.5% or more of error
		Diagnosis delay time	1 second or more

POSSIBLE CAUSE

- Harness or connectors (engine speed signal circuit)
- Engine type signal circuit
- ECM
- Active noise control unit

FAIL-SAFE

Active noise cancellation and active sound enhancement function are deactivated

DTC CONFIRMATION PROCEDURE

1.CHECK DTC PRIORITY

If DTC B1F01 is displayed with DTC B1F05, first perform the confirmation procedure (trouble diagnosis) for DTC B1F05.

Is applicable DTC detected?

YES >> Perform diagnosis of applicable. Refer to AV-300, "DTC Description".
NO >> GO TO 2.

2.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Start engine and wait at least 30 seconds.
4. Select “Self Diagnostic Result” mode of “ANC” using CONSULT.
5. Check DTC.

Is DTC B1F01 detected?

YES >> Proceed to AV-297, "WITHOUT BOSE SYSTEM : Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

WITHOUT BOSE SYSTEM : Diagnosis Procedure

INFOID:0000000013717313

1.CHECK SELF-DIAGNOSTIC RESULT OF ECM

With CONSULT

Check “Self Diagnostic Result” of “ENGINE” using CONSULT.

Is any DTC detected?

YES >> Perform trouble diagnosis for detected DTC. Refer to following.
- VR30DDTT (Turbo high pressure model): EC6-157, "TURBO HIGH PRESSURE MODEL : DTC Index"
- VR30DDTT (Turbo low pressure model): EC6-199, "TURBO LOW PRESSURE MODEL : DTC Index"
- 2.0L turbo gasoline engine: EC4-145, "DTC Index"

NO >> GO TO 2.

2.CHECK ENGINE TYPE SIGNAL

1. Turn ignition switch ON.
2. Check the voltage between active noise control unit harness connector and ground.

2.0L turbo gasoline engine

Terminals			Voltage (Approx.)
(+)		(–)	
Active noise control unit			
Connector	Terminal		
B49	3	Ground	0 V

VR30DDTT

Terminals			Voltage (Approx.)
(+)		(–)	
Active noise control unit			
Connector	Terminal		
B49	4	Ground	0 V

Is inspection result normal?

YES >> GO TO 4.
NO >> GO TO 3.

3. CHECK ENGINE TYPE SIGNAL

1. Turn ignition switch OFF.
2. Disconnect active noise control unit harness connector.
3. Check the continuity between active noise control unit harness connector and ground.

2.0L turbo gasoline engine

Active noise control unit		Ground	Continuity
Connector	Terminal		
B49	3		Existed

VR30DDTT

Active noise control unit		Ground	Continuity
Connector	Terminal		
B49	4		Existed

Is inspection result normal?

YES >> Replace active noise control unit. Refer to AV-455, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

4. CHECK HARNESS CONTINUITY BETWEEN ACTIVE NOISE CONTROL UNIT AND ECM

1. Turn ignition switch OFF.
2. Disconnect active noise control unit harness connector and ECM harness connector.
3. Check the continuity between active noise control unit harness connector and ECM harness connector.

2.0L turbo gasoline engine

Active noise control unit		ECM		Continuity
Connector	Terminal	Connector	Terminal	
B49	19	E200	109	Existed

VR30DDTT

Active noise control unit		ECM		Continuity
Connector	Terminal	Connector	Terminal	
B49	19	E152	178	Existed

Is inspection result normal?

YES >> GO TO 5.
NO >> Repair or replace malfunctioning parts.

5. CHECK VOLTAGE BETWEEN ACTIVE NOISE CONTROL UNIT AND GROUND

1. Turn ignition switch ON.
2. Check the voltage between active noise control unit harness connector and ground.

Terminals			Voltage (Approx.)
(+)		(–)	
Active noise control unit			
Connector	Terminal		
B49	19	Ground	0 V

Is inspection result normal?

YES >> GO TO 6.
NO >> Repair or replace malfunctioning parts.

6. CHECK HARNESS CONTINUITY BETWEEN ACTIVE NOISE CONTROL UNIT AND GROUND

1. Turn ignition switch OFF.
2. Check the continuity between active noise control unit harness connector and ground.

Active noise control unit		Ground	Continuity
Connector	Terminal		
B49	19		Not existed

Is inspection result normal?

YES >> Replace active noise control unit. Refer to AV-455, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

B1F05, B1F06, B1F07 CAN SIGNAL ERROR

DTC Description

INFOID:0000000013717314

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
B1F05	CAN SIG ERROR/DIAG (CAN signal error/diagnosis)	Diagnosis condition	When ignition switch is ON
		Signal (terminal)	CAN communication signal
		Threshold	Data error
		Diagnosis delay time	30 second or more
B1F06	CAN SIG ERROR/ASC (CAN signal error/active noise control)	Signal (terminal)	When ignition switch is ON
		Threshold	CAN communication signal
		Diagnosis delay time	Data error
		Signal (terminal)	30 second or more
B1F07	CAN SIG ERROR/MODE SWITCHING (CAN signal error/mode switching)	Signal (terminal)	When ignition switch is ON
		Threshold	CAN communication signal
		Diagnosis delay time	Data error
		Signal (terminal)	30 second or more

POSSIBLE CAUSE

- ECM
- Combination meter
- Chassis control module

FAIL-SAFE

- B1F05: Active noise cancellation and active sound enhancement are deactivated
- B1F06: Active sound enhancement function is deactivated
- B1F07: Active noise cancellation and active sound enhancement are fixed to a standard mode.

DTC CONFIRMATION PROCEDURE

1.CHECK DTC PRIORITY

If DTC B1F05, B1F06 or B1F07 are displayed with DTC U1000 or U1010, first perform the confirmation procedure (trouble diagnosis) for DTC U1000 or U1010.

Is applicable DTC detected?

YES >> Perform diagnosis of applicable.
- U1000: Refer to AV-328, "ACTIVE NOISE CONTROL UNIT : DTC Description".
- U1010: Refer to AV-330, "ACTIVE NOISE CONTROL UNIT : DTC Description".

NO >> GO TO 2.

2.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “ANC” using CONSULT.
5. Check DTC.

Is DTC B1F05, B1F06 or B1F07 detected?

YES >> Proceed to AV-301, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717315

1.PERFORM ALL DTC READING

With CONSULT
1. Perform “All DTC Reading”.
2. Check diagnosis results.

Is any DTCs detected?

YES >> Perform diagnosis procedure corresponding to DTC indicated.
NO >> INSPECTION END

B1F0A ANC MIC1/CONTROL UNIT

DTC Description

INFOID:0000000013717316

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
B1F0A	ANC MIC1/CONTROL UNIT (Active noise control microphone1/ Control unit)	Diagnosis condition	When Ignition switch is ON
		Signal (terminal)	Front microphone (LH) signal
		Threshold	Front microphone (LH) (active noise cancellation) or active noise control unit malfunction
		Diagnosis delay time	30 second or more

POSSIBLE CAUSE

- Harness and connectors (front microphone circuit)
- Front microphone (LH)
- Active noise control unit

FAIL-SAFE

Active noise cancellation function is deactivated

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “ANC” using CONSULT.
5. Check DTC.

Is DTC B1F0A detected?

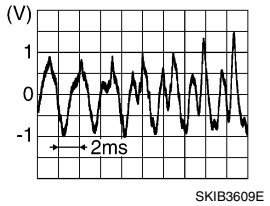
YES >> Proceed to AV-302, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717317

1.CHECK FRONT MICROPHONE (LH) SIGNAL

1. Turn ignition switch ON.
2. Check the signal between active noise control unit terminals as per the following condition.

Active noise control unit			Condition	Reference value
Connector	Terminals			
	(+)	(−)		
	Terminal			
B49	8	24	When inputting interior sound	

SKIB3609E

Is the inspection result normal?

YES >> Replace active noise control unit. Refer to AV-455, "Removal and Installation".
NO >> GO TO 2.

2.CHECK HARNESS CONTINUITY BETWEEN ACTIVE NOISE CONTROL UNIT AND FRONT MICROPHONE (LH)

1. Turn ignition switch OFF.
2. Disconnect active noise control unit harness connector and front microphone (LH) harness connector.
3. Check the continuity between active noise control unit harness connector and front microphone (LH) harness connector.

Active noise control unit		Front microphone (LH)		Continuity
Connector	Terminal	Connector	Terminal	
B49	8	R19	2	Existed
	24		1	

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3.CHECK VOLTAGE BETWEEN ACTIVE NOISE CONTROL UNIT AND GROUND

1. Turn ignition switch ON.
2. Check the voltage between active noise control unit harness connector and ground.

Terminals			Voltage (Approx.)
(+)		(–)	
Active noise control unit			
Connector	Terminal		
B49	8	Ground	0 V
	24		

Is the inspection result normal?

YES >> GO TO 4.
NO >> Repair or replace malfunctioning parts.

4.CHECK HARNESS CONTINUITY BETWEEN ACTIVE NOISE CONTROL UNIT AND GROUND

1. Turn ignition switch OFF.
2. Check the continuity between active noise control unit harness connector and ground.

Active noise control unit		Ground	Continuity
Connector	Terminal		
B49	8		Not existed
	24		

Is the inspection result normal?

YES >> Replace front microphone (LH). Refer to AV-457, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

B1F0B, B1F0C, B1F0D, B1F0E ANC MIC1 CIRCUIT

DTC Description

INFOID:0000000013717318

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
B1F0B	ANC MIC1 CIRC OPEN (Active noise cancellation microphone1 circuit open)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	Microphone signal [between BOSE amp. and front microphone (LH)]
		Threshold	Open circuit
		Diagnosis delay time	30 seconds or more
B1F0C	ANC MIC1 CIRC SHORT (Active noise cancellation microphone1 circuit short)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	Microphone signal [between BOSE amp. and front microphone (LH)]
		Threshold	Short circuit
		Diagnosis delay time	30 seconds or more
B1F0D	ANC MIC1 CIRC SHORT-BAT (Active noise cancellation microphone1 circuit short-battery)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	Microphone signal [between BOSE amp. and front microphone (LH)]
		Threshold	Short to power supply circuit
		Diagnosis delay time	30 seconds or more
B1F0E	ANC MIC1 CIRC SHORT-GND (Active noise cancellation microphone1 circuit short-ground)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	Microphone signal [between BOSE amp. and front microphone (LH)]
		Threshold	Short to ground circuit
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

Harness or connectors [front microphone (LH) circuit is open or short]

FAIL-SAFE

Active noise cancellation function is deactivated

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC B1F0B, B1F0C, B1F0D or B1F0E detected?

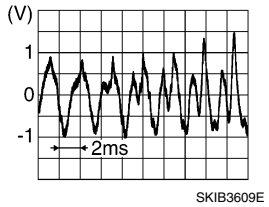
YES >> Proceed to AV-304, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717319

1.CHECK FRONT MICROPHONE (LH) SIGNAL

1. Turn ignition switch ON.
2. Check the signal between BOSE amp. harness connector as per the following condition.

BOSE amp.			Condition	Reference value
Connector	Terminals (+)	Terminals (–)		
	Terminal			
B55	72	52	When inputting interior sound	

SKIB3609E

Is the inspection result normal?

YES >> Replace BOSE amp. Refer to AV-438, "Removal and Installation".
NO >> GO TO 2.

2. CHECK VOLTAGE BETWEEN BOSE AMP. AND GROUND

1. Turn ignition switch OFF.
2. Disconnect BOSE amp. harness connector.
3. Check the voltage between BOSE amp. harness connector and ground.

Terminals (+) BOSE amp.		(–)	Voltage (Approx.)
Connector	Terminal		
B55	72	Ground	0 V
	52		

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3. CHECK FRONT MICROPHONE (LH) SIGNAL CIRCUIT FOR OPEN

1. Disconnect front microphone (LH) harness connector.
2. Check the continuity between BOSE amp. harness connector and front microphone (LH) harness connector.

BOSE amp.		Front microphone (LH)		Continuity
Connector	Terminal	Connector	Terminal	
B55	72	R19	2	Existed
	52		1	

Is the inspection result normal?

YES >> GO TO 4.
NO >> Repair or replace malfunctioning parts.

4. CHECK FRONT MICROPHONE (LH) SIGNAL CIRCUIT FOR SHORT

Check the continuity between BOSE amp. harness connector and ground.

BOSE amp.		Ground	Continuity
Connector	Terminal		
B55	72		Not existed
	52		

Is the inspection result normal?

YES >> Replace front microphone (LH). Refer to AV-457, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

B1F0F ANC MIC2/CONTROL UNIT

DTC Description

INFOID:0000000013717320

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
B1F0F	ANC MIC2/CONTROL UNIT (Active noise control microphone2/ Control unit)	Diagnosis condition	When Ignition switch is ON
		Signal (terminal)	Front microphone (RH) signal
		Threshold	Front microphone (RH) (active noise cancellation) or active noise control unit malfunction
		Diagnosis delay time	30 second or more

POSSIBLE CAUSE

- Harness and connector (rear microphone circuit)
- Front microphone (RH)
- Active noise control unit

FAIL-SAFE

Active noise cancellation function is deactivated

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “ANC”.
5. Check DTC.

Is DTC B1F0F detected?

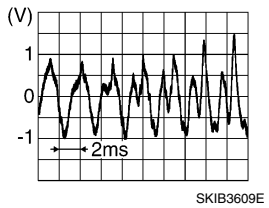
YES >> Proceed to AV-307, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717321

1.CHECK FRONT MICROPHONE (RH) SIGNAL

1. Turn ignition switch ON.
2. Check the signal between active noise control unit terminals as per the following condition.

Active noise control unit			Condition	Reference value
Connector	Terminals (+)	Terminals (–)		
	Terminal			
B49	9	25	When inputting interior sound	

SKIB3609E

Is the inspection result normal?

YES >> Replace active noise control unit. Refer to AV-455, "Removal and Installation".
NO >> GO TO 2.

2. CHECK HARNESS CONTINUITY BETWEEN ACTIVE NOISE CONTROL UNIT AND FRONT MICROPHONE (RH)

1. Turn ignition switch OFF.
2. Disconnect active noise control unit harness connector and front microphone (RH) harness connector.
3. Check the continuity between active noise control unit harness connector and front microphone (RH) harness connector.

Active noise control unit		Front microphone (RH)		Continuity
Connector	Terminal	Connector	Terminal	
B49	9	R20	2	Existed
	25		1	

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3. CHECK VOLTAGE BETWEEN ACTIVE NOISE CONTROL UNIT AND GROUND

1. Turn ignition switch ON.
2. Check the voltage between active noise control unit harness connector and ground.

Terminals			Voltage (Approx.)
(+)		(–)	
Active noise control unit			
Connector	Terminal		
B49	9	Ground	0 V
	25		

Is the inspection result normal?

YES >> GO TO 4.
NO >> Repair or replace malfunctioning parts.

4. CHECK HARNESS CONTINUITY BETWEEN ACTIVE NOISE CONTROL UNIT AND GROUND

1. Turn ignition switch OFF.
2. Check the continuity between active noise control unit harness connector and ground.

Active noise control unit		Ground	Continuity
Connector	Terminal		
B49	9		Not existed
	25		

Is the inspection result normal?

YES >> Replace front microphone (RH). Refer to AV-457, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

B1F10, B1F11, B1F12, B1F13 ANC MIC2 CIRCUIT

DTC Description

INFOID:0000000013717322

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
B1F10	ANC MIC2 CIRC OPEN (Active noise cancellation microphone2 circuit open)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	Microphone signal [between BOSE amp. and front microphone (RH)]
		Threshold	Open circuit
		Diagnosis delay time	30 seconds or more
B1F11	ANC MIC2 CIRC SHORT (Active noise cancellation microphone2 circuit short)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	Microphone signal [between BOSE amp. and front microphone (RH)]
		Threshold	Short circuit
		Diagnosis delay time	30 seconds or more
B1F12	ANC MIC2 CIRC SHORT-BAT (Active noise cancellation microphone2 circuit short-battery)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	Microphone signal [between BOSE amp. and front microphone (RH)]
		Threshold	Short to power supply circuit
		Diagnosis delay time	30 seconds or more
B1F13	ANC MIC2 CIRC SHORT-GND (Active noise cancellation microphone2 circuit short-ground)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	Microphone signal [between BOSE amp. and front microphone (RH)]
		Threshold	Short to ground circuit
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

Harness or connectors [front microphone (RH) circuit is open or short]

FAIL-SAFE

Active noise cancellation function is deactivated

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC B1F10, B1F11, B1F12 or B1F13 detected?

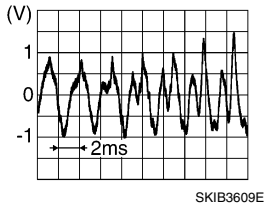
YES >> Proceed to AV-309, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717323

1.CHECK FRONT MICROPHONE (RH) SIGNAL

1. Turn ignition switch ON.
2. Check the signal between BOSE amp. harness connector as per the following condition.

BOSE amp.			Condition	Reference value
Connector	Terminals			
	(+)	(–)		
	Terminal			
B55	63	43	When inputting interior sound	

Is the inspection result normal?

YES >> Replace BOSE amp. Refer to AV-438, "Removal and Installation".
NO >> GO TO 2.

2.CHECK VOLTAGE BETWEEN BOSE AMP. AND GROUND

1. Turn ignition switch OFF.
2. Disconnect BOSE amp. harness connector.
3. Turn ignition switch ON.
4. Check the voltage between BOSE amp. harness connector and ground.

Terminals			Voltage (Approx.)
(+)		(–)	
BOSE amp.			
Connector	Terminal		
B55	63	Ground	0 V
	43		

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3.CHECK FRONT MICROPHONE (RH) SIGNAL CIRCUIT FOR OPEN

1. Turn ignition switch OFF.
2. Disconnect front microphone (RH) harness connector.
3. Check the continuity between BOSE amp. harness connector and front microphone (RH) harness connector.

BOSE amp.		Front microphone (RH)		Continuity
Connector	Terminal	Connector	Terminal	
B55	63	R20	2	Existed
	43		1	

Is the inspection result normal?

YES >> GO TO 4.
NO >> Repair or replace malfunctioning parts.

4.CHECK FRONT MICROPHONE (RH) SIGNAL CIRCUIT FOR SHORT

Check the continuity between BOSE amp. harness connector and ground.

BOSE amp.		Ground	Continuity
Connector	Terminal		
B55	63		Not existed
	43		

Is the inspection result normal?

YES >> Replace front microphone (RH). Refer to AV-457, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

B1F14 ANC MIC3/CONTROL UNIT

DTC Description

INFOID:0000000014001354

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
B1F14	ANC MIC3/CONTROL UNIT (Active noise control microphone3/ Control unit)	Diagnosis condition	When Ignition switch is ON
		Signal (terminal)	Rear microphone signal
		Threshold	Rear microphone (active noise cancellation) or active noise control unit malfunction
		Diagnosis delay time	30 second or more

POSSIBLE CAUSE

- Harness and connector (rear microphone circuit)
- Rear microphone
- Active noise control unit

FAIL-SAFE

Active noise cancellation function is deactivated

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “ANC”.
5. Check DTC.

Is DTC B1F14 detected?

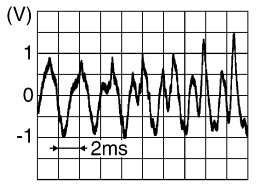
YES >> Proceed to AV-312, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000014001355

1.CHECK REAR MICROPHONE SIGNAL

1. Turn ignition switch ON.
2. Check the signal between active noise control unit terminals as per the following condition.

Active noise control unit			Condition	Reference value
Connector	Terminals			
	(+)	(−)		
	Terminal			
B49	10	26	When inputting interior sound	

SKIB3609E

Is the inspection result normal?

YES >> Replace active noise control unit. Refer to AV-455, "Removal and Installation".

NO >> GO TO 2.

2.CHECK HARNESS CONTINUITY BETWEEN ACTIVE NOISE CONTROL UNIT AND REAR MICROPHONE

1. Turn ignition switch OFF.
2. Disconnect active noise control unit harness connector and rear microphone harness connector.
3. Check the continuity between active noise control unit harness connector and rear microphone harness connector.

Active noise control unit		Rear microphone		Continuity
Connector	Terminal	Connector	Terminal	
B49	10	B166	2	Existed
	26		1	

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3.CHECK VOLTAGE BETWEEN ACTIVE NOISE CONTROL UNIT AND GROUND

1. Turn ignition switch ON.
2. Check the voltage between active noise control unit harness connector and ground.

Terminals			Voltage (Approx.)
(+)		(−)	
Active noise control unit			
Connector	Terminal		
B49	10	Ground	0 V
	26		

Is the inspection result normal?

YES >> GO TO 4.
NO >> Repair or replace malfunctioning parts.

4.CHECK HARNESS CONTINUITY BETWEEN ACTIVE NOISE CONTROL UNIT AND GROUND

1. Turn ignition switch OFF.
2. Check the continuity between active noise control unit harness connector and ground.

Active noise control unit		Ground	Continuity
Connector	Terminal		
B49	10		Not existed
	26		

Is the inspection result normal?

YES >> Replace rear microphone. Refer to AV-458, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

B1F15, B1F16, B1F17, B1F18 ANC MIC3 CIRCUIT

DTC Description

INFOID:0000000014001352

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
B1F15	ANC MIC3 CIRC OPEN (Active noise cancellation microphone3 circuit open)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	Microphone signal (between BOSE amp. and rear microphone)
		Threshold	Open circuit
		Diagnosis delay time	30 seconds or more
B1F16	ANC MIC3 CIRC SHORT (Active noise cancellation microphone3 circuit short)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	Microphone signal (between BOSE amp. and rear microphone)
		Threshold	Short circuit
		Diagnosis delay time	30 seconds or more
B1F17	ANC MIC3 CIRC SHORT-BAT (Active noise cancellation microphone3 circuit short-battery)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	Microphone signal (between BOSE amp. and rear microphone)
		Threshold	Short to power supply circuit
		Diagnosis delay time	30 seconds or more
B1F18	ANC MIC3 CIRC SHORT-GND (Active noise cancellation microphone3 circuit short-ground)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	Microphone signal (between BOSE amp. and rear microphone)
		Threshold	Short to ground circuit
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

Harness or connectors (rear microphone circuit is open or short)

FAIL-SAFE

Active noise cancellation function is deactivated

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC B1F15, B1F16, B1F17 or B1F18 detected?

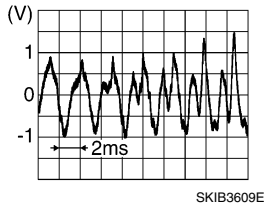
YES >> Proceed to AV-314, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000014001353

1.CHECK REAR MICROPHONE SIGNAL

1. Turn ignition switch ON.
2. Check the signal between BOSE amp. harness connector as per the following condition.

BOSE amp.			Condition	Reference value
Connector	Terminals			
	(+)	(–)		
	Terminal			
B55	71	51	When inputting interior sound	

Is the inspection result normal?

YES >> Replace BOSE amp. Refer to AV-438, "Removal and Installation".
NO >> GO TO 2.

2.CHECK VOLTAGE BETWEEN BOSE AMP. AND GROUND

1. Turn ignition switch OFF.
2. Disconnect BOSE amp. harness connector.
3. Turn ignition switch ON.
4. Check the voltage between BOSE amp. harness connector and ground.

Terminals			Voltage (Approx.)
(+)		(–)	
BOSE amp.			
Connector	Terminal		
B55	71	Ground	0 V
	51		

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3.CHECK REAR MICROPHONE SIGNAL CIRCUIT FOR OPEN

1. Turn ignition switch OFF.
2. Disconnect rear microphone harness connector.
3. Check the continuity between BOSE amp. harness connector and rear microphone harness connector.

BOSE amp.		Rear microphone		Continuity
Connector	Terminal	Connector	Terminal	
B55	71	B166	2	Existed
	51		1	

Is the inspection result normal?

YES >> GO TO 4.
NO >> Repair or replace malfunctioning parts.

4.CHECK REAR MICROPHONE SIGNAL CIRCUIT FOR SHORT

Check the continuity between BOSE amp. harness connector and ground.

BOSE amp.		Ground	Continuity
Connector	Terminal		
B55	71		Not existed
	51		

Is the inspection result normal?

YES >> Replace rear microphone. Refer to AV-458, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

B1F20 CAN SIGNAL ERROR

DTC Description

INFOID:0000000013717324

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
B1F20	CAN SIG ERROR/ASC (CAN signal error/active sound enhancement)	Diagnosis condition	When ignition switch ON
		Signal (terminal)	CAN communication signal
		Threshold	Data error
		Diagnosis delay time	30 second or more

POSSIBLE CAUSE

Combination meter

FAIL-SAFE

Active sound enhancement function is deactivated

DTC CONFIRMATION PROCEDURE

1.CHECK DTC PRIORITY

If DTC B1F20 displayed with DTC U1000 or U1010, first perform the confirmation procedure (trouble diagnosis) for DTC U1000 or U1010.

Is applicable DTC detected?

YES >> Perform diagnosis of applicable.
- U1000: Refer to AV-328, "ACTIVE NOISE CONTROL UNIT : DTC Description".
- U1010: Refer to AV-330, "ACTIVE NOISE CONTROL UNIT : DTC Description".

NO >> GO TO 2.

2.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “ANC” using CONSULT.
5. Check DTC.

Is DTC B1F20 detected?

YES >> Proceed to AV-317, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717325

1.CHECK SELF-DIAGNOSTIC RESULT OF COMBINATION METER

With CONSULT
1. Turn ignition switch ON.
2. Erase DTC.
3. Check “Self Diagnostic Result” of “METER/M&A” using CONSULT.

Is any DTC detected?

YES >> Perform trouble diagnosis for detected DTC. Refer to MWI-148, "Removal and Installation".
NO >> GO TO 2.

2.CHECK INTERMITTENT INCIDENT

Check the intermittent incident. Refer to GI-44, "Intermittent Incident".

>> GO TO 3.

3.PERFORM DTC CONFIRMATION PROCEDURE AGAIN

With CONSULT
Perform DTC confirmation procedure again. Refer to AV-317, "DTC Description".

Is DTC B1F20 detected again?

YES >> Replace active noise control unit. Refer to AV-455, "Removal and Installation".
NO >> INSPECTION END

U0100 CAN COMMUNICATION

DTC Description

INFOID:0000000013717326

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U0100	LOST COMM (ECM A) (Lost communication ECM A)	Diagnosis condition	When ignition switch ON
		Signal (terminal)	CAN communication signal
		Threshold	Active noise control unit cannot receive a CAN communication signal
		Diagnosis delay time	1 second or more

POSSIBLE CAUSE

Harness or connector (CAN communication line is open or shorted)

FAIL-SAFE

Active noise cancellation and active sound enhancement are deactivated

DTC CONFIRMATION PROCEDURE

1.CHECK DTC PRIORITY

If DTC U0100 is displayed with DTC U1000 or U1010, first perform the confirmation procedure (trouble diagnosis) for DTC U1000 or U1010.

Is applicable DTC detected?

YES >> Perform diagnosis of applicable.
- U1000: Refer to AV-328, "ACTIVE NOISE CONTROL UNIT : DTC Description".
- U1010: Refer to AV-330, "ACTIVE NOISE CONTROL UNIT : DTC Description".

NO >> GO TO 2.

2.PERFORM DTC CONFIRMATION PROCEDURE

CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 2 seconds or more.
4. Select “Self Diagnostic Result” mode of “ANC” using CONSULT.
5. Check DTC.

Is DTC U0100 detected?

YES >> Proceed to AV-319, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717327

1.CHECK SELF-DIAGNOSTIC RESULT OF ECM

With CONSULT
1. Turn ignition switch ON.
2. Check “Self Diagnostic Result” of “ECM” using CONSULT.

Is any DTC detected?

YES >> Perform trouble diagnosis for detected DTC. Refer to EC4-145, "DTC Index".
NO >> GO TO 2.

2.CHECK HARNESS AND CONNECTOR

1. Turn ignition switch OFF.
2. Check the following parts for damage, bend and loose connection.

- Active noise control unit harness connector and terminal
- ECM harness connector and terminal

- Harness between active noise control unit harness connector and ECM harness connector

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3. CHECK CAN COMMUNICATION CIRCUIT

1. Disconnect active noise control unit and ECM connector.
2. Check the continuity between active noise control unit harness connector and ECM harness connector.

2.0L turbo gasoline engine

Active noise control unit		ECM		Continuity
Connector	Terminal	Connector	Terminal	
B49	2	E200	150	Existed
	18		137	

VR30DDTT

Active noise control unit		ECM		Continuity
Connector	Terminal	Connector	Terminal	
B49	2	E152	175	Existed
	18		176	

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to GI-44, "Intermittent Incident".
NO >> Repair or replace malfunctioning parts.

U0140 CAN COMMUNICATION

DTC Description

INFOID:0000000013717328

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U0140	LOST COMM (BCM) (Lost communication BCM)	Diagnosis condition	When ignition switch ON
		Signal (terminal)	CAN communication signal
		Threshold	Active noise control unit cannot receive a CAN communication signal
		Diagnosis delay time	1 second or more

POSSIBLE CAUSE

Harness or connector (CAN communication line is open or shorted)

FAIL-SAFE

Active noise cancellation and active sound enhancement are deactivated

DTC CONFIRMATION PROCEDURE

1.CHECK DTC PRIORITY

If DTC U0140 is displayed with DTC U1000 or U1010, first perform the confirmation procedure (trouble diagnosis) for DTC U1000 or U1010.

Is applicable DTC detected?

YES >> Perform diagnosis of applicable.
- U1000: Refer to AV-328, "ACTIVE NOISE CONTROL UNIT : DTC Description".
- U1010: Refer to AV-330, "ACTIVE NOISE CONTROL UNIT : DTC Description".

NO >> GO TO 2.

2.PERFORM DTC CONFIRMATION PROCEDURE

CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 2 seconds or more.
4. Select “Self Diagnostic Result” mode of “ANC” using CONSULT.
5. Check DTC.

Is DTC U0140 detected?

YES >> Proceed to AV-321, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717329

1.CHECK SELF-DIAGNOSTIC RESULT OF BCM

With CONSULT
1. Turn ignition switch ON.
2. Check “Self Diagnostic Result” of “BCM” using CONSULT.

Is any DTC detected?

YES >> Perform trouble diagnosis for detected DTC. Refer to BCS-60, "DTC Index".
NO >> GO TO 2.

2.CHECK HARNESS AND CONNECTOR

1. Turn ignition switch OFF.
2. Check the following parts for damage, bend and loose connection.

- Active noise control unit harness connector and terminal
- BCM harness connector and terminal

- Harness between active noise control unit harness connector and BCM harness connector

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3. CHECK CAN COMMUNICATION CIRCUIT

1. Disconnect active noise control unit and BCM connector.
2. Check the continuity between active noise control unit harness connector and BCM harness connector.

Active noise control unit		BCM		Continuity
Connector	Terminal	Connector	Terminal	
B49	2	M14	59	Existed
	18		60	

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to GI-44, "Intermittent Incident".
NO >> Repair or replace malfunctioning parts.

U0155 CAN COMMUNICATION

DTC Description

INFOID:0000000013717330

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U0155	LOST COMM (METER) (Lost communication meter)	Diagnosis condition	When ignition switch ON
		Signal (terminal)	CAN communication signal
		Threshold	Active noise control unit cannot receive a CAN communication signal
		Diagnosis delay time	1 second or more

POSSIBLE CAUSE

Harness or connector (CAN communication line is open or shorted)

FAIL-SAFE

Active sound enhancement function is deactivated

DTC CONFIRMATION PROCEDURE

1.CHECK DTC PRIORITY

If DTC U0155 is displayed with DTC U1000 or U1010, first perform the confirmation procedure (trouble diagnosis) for DTC U1000 or U1010.

Is applicable DTC detected?

YES >> Perform diagnosis of applicable.
- U1000: Refer to AV-328, "ACTIVE NOISE CONTROL UNIT : DTC Description".
- U1010: Refer to AV-330, "ACTIVE NOISE CONTROL UNIT : DTC Description".

NO >> GO TO 2.

2.PERFORM DTC CONFIRMATION PROCEDURE

CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 2 seconds or more.
4. Select “Self Diagnostic Result” mode of “ANC” using CONSULT.
5. Check DTC.

Is DTC U0155 detected?

YES >> Proceed to AV-323, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717331

1.CHECK SELF-DIAGNOSTIC RESULT OF COMBINATION METER

With CONSULT
1. Turn ignition switch ON.
2. Check “Self Diagnostic Result” of “METER/M&A” using CONSULT.

Is any DTC detected?

YES >> Perform trouble diagnosis for detected DTC. Refer to MWI-91, "DTC Index".
NO >> GO TO 2.

2.CHECK HARNESS AND CONNECTOR

1. Turn ignition switch OFF.
2. Check the following parts for damage, bend and loose connection.

- Active noise control unit harness connector and terminal
- Combination meter harness connector and terminal

- Harness between active noise control unit harness connector and combination meter harness connector

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3.CHECK CAN COMMUNICATION CIRCUIT

1. Disconnect active noise control unit and combination meter connector.
2. Check the continuity between active noise control unit harness connector and combination meter harness connector.

Active noise control unit		Combination meter		Continuity
Connector	Terminal	Connector	Terminal	
B49	2	M58	42	Existed
	18		41	

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to GI-44, "Intermittent Incident".
NO >> Repair or replace malfunctioning parts.

U0198 CAN COMMUNICATION

DTC Description

INFOID:0000000013717332

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U0198	LOST COMM (TCU) (Lost communication TCU)	Diagnosis condition	When ignition switch ON
		Signal (terminal)	CAN communication signal
		Threshold	Active noise control unit cannot receive a CAN communication signal
		Diagnosis delay time	1 second or more

POSSIBLE CAUSE

Harness or connector (CAN communication line is open or shorted)

FAIL-SAFE

Active sound enhancement function is deactivated

DTC CONFIRMATION PROCEDURE

1.CHECK DTC PRIORITY

If DTC U0198 is displayed with DTC U1000 or U1010, first perform the confirmation procedure (trouble diagnosis) for DTC U1000 or U1010.

Is applicable DTC detected?

YES >> Perform diagnosis of applicable.
- U1000: Refer to AV-328, "ACTIVE NOISE CONTROL UNIT : DTC Description".
- U1010: Refer to AV-330, "ACTIVE NOISE CONTROL UNIT : DTC Description".

NO >> GO TO 2.

2.PERFORM DTC CONFIRMATION PROCEDURE

CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 2 seconds or more.
4. Select “Self Diagnostic Result” mode of “ANC” using CONSULT.
5. Check DTC.

Is DTC U0198 detected?

YES >> Proceed to AV-325, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717333

1.CHECK SELF-DIAGNOSTIC RESULT OF CHASSIS CONTROL MODULE

With CONSULT
1. Turn ignition switch ON.
2. Check “Self Diagnostic Result” of “CHASSIS CONTROL” using CONSULT.

Is any DTC detected?

YES >> Perform trouble diagnosis for detected DTC. Refer to DAS-701, "DTC Index".
NO >> GO TO 2.

2.CHECK HARNESS AND CONNECTOR

1. Turn ignition switch OFF.
2. Check the following parts for damage, bend and loose connection.

- Active noise control unit harness connector and terminal
- Chassis control module harness connector and terminal

- Harness between active noise control unit harness connector and chassis control module harness connector

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3. CHECK CAN COMMUNICATION CIRCUIT

1. Disconnect active noise control unit and chassis control module connector.
2. Check the continuity between active noise control unit harness connector and chassis control module harness connector.

Without digital motion control

Active noise control unit		Chassis control module		Continuity
Connector	Terminal	Connector	Terminal	
B49	2	E22	3	Existed
	18		4	

With digital motion control

Active noise control unit		Chassis control module		Continuity
Connector	Terminal	Connector	Terminal	
B49	2	E219	24	Existed
	18		10	

Is the inspection result normal?

YES >> Check the intermittent incident. Refer to GI-44, "Intermittent Incident".
NO >> Repair or replace malfunctioning parts.

U1000 CAN COMM CIRCUIT
DISPLAY CONTROL UNIT

DISPLAY CONTROL UNIT : DTC Description

INFOID:0000000013717334

DESCRIPTION

CAN (Controller Area Network) is a serial communication line for real-time application. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Many electronic control units are equipped onto a vehicle, and each control unit shares information and links with other control units during operation (not independently). In CAN communication, control units are connected with 2 communication lines (CAN-H, CAN-L) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only.

CAN Communication Signal Chart. Refer to LAN-68, "CAN COMMUNICATION SYSTEM : CAN Communication Signal Chart (VR30DDTT Engine Models)" (VR30DDTT engine models) or LAN-61, "CAN COMMUNICATION SYSTEM : CAN Communication Signal Chart (2.0L Turbo Gasoline Engine Models)" (2.0L turbo gasoline engine models).

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U1000	CAN COMM CIRCUIT (CAN COMM CIRCUIT)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	CAN communication signal
		Threshold	—
		Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

The system using the CAN communication signal from control unit which cannot communicate does not function

DTC CONFIRMATION PROCEDURE

1.CHECK DTC PRIORITY

If DTC U1000 is displayed with DTC U1223, first perform the confirmation procedure (trouble diagnosis) for DTC U1223.

Is applicable DTC detected?

YES >> Perform diagnosis of applicable. Refer to AV-333, "DTC Description".
NO >> GO TO 2.

2.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 2 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1000 detected?

YES >> Proceed to AV-327, "DISPLAY CONTROL UNIT : Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

DISPLAY CONTROL UNIT : Diagnosis Procedure

INFOID:0000000013717335

1.PERFORM DTC CONFIRMATION PROCEDURE AGAIN

With CONSULT

1. Turn ignition switch ON.
2. Erase DTC.
3. Perform DTC confirmation procedure again. Refer to AV-327, "DISPLAY CONTROL UNIT : DTC Description".

Is DTC detected again?

YES >> Perform the trouble diagnosis for CAN communication system. Refer to LAN-37, "Trouble Diagnosis Flow Chart".
NO >> INSPECTION END

ACTIVE NOISE CONTROL UNIT

ACTIVE NOISE CONTROL UNIT : DTC Description

INFOID:0000000013717336

DESCRIPTION

CAN (Controller Area Network) is a serial communication line for real-time application. It is an on-vehicle multiplex communication line with high data communication speed and excellent error detection ability. Many electronic control units are equipped onto a vehicle, and each control unit shares information and links with other control units during operation (not independently). In CAN communication, control units are connected with 2 communication lines (CAN-H, CAN-L) allowing a high rate of information transmission with less wiring. Each control unit transmits/receives data but selectively reads required data only.
CAN Communication Signal Chart. Refer to LAN-68, "CAN COMMUNICATION SYSTEM : CAN Communication Signal Chart (VR30DDTT Engine Models)" (VR30DDTT engine models) or LAN-61, "CAN COMMUNICATION SYSTEM : CAN Communication Signal Chart (2.0L Turbo Gasoline Engine Models)" (2.0L turbo gasoline engine models).

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U1000	CAN COMM CIRCUIT (CAN COMM CIRCUIT)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	CAN communication signal
		Threshold	—
		Diagnosis delay time	2 seconds or more

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

Active noise cancellation and active sound enhancement are deactivated

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 2 seconds or more.
4. Select “Self Diagnostic Result” mode of “ANC” using CONSULT.
5. Check DTC.

Is DTC U1000 detected?

YES >> Proceed to AV-328, "ACTIVE NOISE CONTROL UNIT : Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

ACTIVE NOISE CONTROL UNIT : Diagnosis Procedure

INFOID:0000000013717337

1.PERFORM DTC CONFIRMATION PROCEDURE AGAIN

With CONSULT
1. Turn ignition switch ON.

2. Erase DTC.
3. Perform DTC confirmation procedure again. Refer to AV-328, "ACTIVE NOISE CONTROL UNIT : DTC Description".

Is DTC U1000 detected again?

YES >> Perform the trouble diagnosis for CAN communication system. Refer to LAN-37, "Trouble Diagnosis Flow Chart".

NO >> INSPECTION END

U1010 CONTROL UNIT (CAN)

DISPLAY CONTROL UNIT

DISPLAY CONTROL UNIT : DTC Description

INFOID:0000000013717338

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U1010	CONTROL UNIT (CAN) [Control unit (CAN)]	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	—
		Threshold	Initial diagnosis abnormality of the display control unit CAN controller
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

CAN communication system

FAIL-SAFE

The system using the CAN communication signal does not function

DTC CONFIRMATION PROCEDURE

1. PRECONDITIONING

1. Turn ignition switch OFF and wait at least 30 seconds.
2. Turn ignition switch ON.
3. Turn ignition switch OFF and wait at least 30 seconds.

>> GO TO 2.

2. PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON and wait at least 30 seconds or more.
2. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
3. Check DTC.

Is DTC U1010 detected?

YES >> Proceed to AV-330, "DISPLAY CONTROL UNIT : Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

DISPLAY CONTROL UNIT : Diagnosis Procedure

INFOID:0000000013717339

1. PERFORM DTC CONFIRMATION PROCEDURE AGAIN

With CONSULT
1. Turn ignition switch ON.
2. Erase DTC.
3. Perform DTC confirmation procedure again. Refer to AV-330, "DISPLAY CONTROL UNIT : DTC Description".

Is DTC U1010 detected again?

YES >> Replace display control unit. Refer to AV-431, "Removal and Installation".
NO >> INSPECTION END

ACTIVE NOISE CONTROL UNIT

ACTIVE NOISE CONTROL UNIT : DTC Description

INFOID:0000000013717340

DESCRIPTION

CAN controller controls the communication of CAN communication signal and the error detection.

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U1010	CONTROL UNIT (CAN) [Control unit (CAN)]	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	—
		Threshold	Initial diagnosis abnormality of the active noise control unit CAN controller
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

Active noise control unit

FAIL-SAFE

- Active noise cancellation and active sound enhancement are deactivated
- Active sound enhancement function is deactivated
- Active noise cancellation and active sound enhancement are fixed to a standard mode

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 2 seconds or more.
4. Select “Self-diagnostic” result” mode of “ANC” using CONSULT.
5. Check DTC.

Is DTC U1010 detected?

YES >> Proceed to AV-331, "ACTIVE NOISE CONTROL UNIT : Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

ACTIVE NOISE CONTROL UNIT : Diagnosis Procedure

INFOID:0000000013717341

1.PERFORM DTC CONFIRMATION PROCEDURE AGAIN

With CONSULT
1. Turn ignition switch ON.
2. Erase DTC.
3. Perform DTC confirmation procedure again. Refer to AV-330, "ACTIVE NOISE CONTROL UNIT : DTC Description".

Is DTC U1010 detected again?

YES >> Replace active noise control unit. Refer to AV-455, "Removal and Installation".
NO >> INSPECTION END

U121F DISPLAY CONTROL UNIT

DTC Description

INFOID:0000000013717342

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U121F	DISPLAY CONTROL UNIT (Display control unit)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	—
		Threshold	Display control unit internal malfunction
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

Display control unit

FAIL-SAFE

As an example:
- Display is not displayed
- Display control unit restart
- Display control unit freezes

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U121F detected?

YES >> Proceed to AV-332, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717343

1.PERFORM DTC CONFIRMATION PROCEDURE AGAIN

With CONSULT
1. Turn ignition switch ON.
2. Erase DTC.
3. Perform DTC confirmation procedure again. Refer to AV-332, "DTC Description".

Is DTC U121F detected again?

YES >> Replace display control unit. Refer to AV-431, "Removal and Installation".
NO >> INSPECTION END

U1223 CONFIG UNFINISH

DTC Description

INFOID:0000000013717344

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U1223	CONFIG UNFINISH (Configuration unfinish)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	—
		Threshold	Configuration is incomplete
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

Configuration is incomplete

FAIL-SAFE

A function of display control unit becomes mismatched with a vehicle specification and destination

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1223 detected?

YES >> Proceed to AV-333, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717345

1.PERFORM DTC CONFIRMATION PROCEDURE AGAIN

With CONSULT
1. Turn ignition switch ON.
2. Erase DTC.
3. Perform DTC confirmation procedure again. Refer to AV-333, "DTC Description".

Is DTC U1223 detected again?

YES >> Perform configuration of display control unit. Refer to AV-292, "Work Procedure".
NO >> INSPECTION END

U1231 BOSE AMP.

DTC Description

INFOID:0000000013717346

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U1231	AMP TEMP (Amp temperature)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	—
		Threshold	BOSE amp. temperature is high
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- BOSE amp. temperature is high
- BOSE amp.

FAIL-SAFE

BOSE system does not function

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1231 detected?

YES >> Proceed to AV-334, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717347

1.CHECK AROUND BOSE AMP.

Check whether there is any factor which causes a temperature rise near BOSE amp.

Was there any factor?

YES >> GO TO 2.
NO >> Remove a factor.

2.PERFORM DTC CONFIRMATION PROCEDURE AGAIN

With CONSULT

1. Turn ignition switch ON.
2. Erase DTC.
3. Perform DTC confirmation procedure again. Refer to AV-334, "DTC Description".

Is DTC U1231 detected again?

YES >> Replace BOSE amp. Refer toAV-438, "Removal and Installation".
NO >> INSPECTION END

U1232 STEERING ANGLE SENSOR

DTC Description

INFOID:0000000013717348

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U1232	ST ANGLE SEN CALIB (Steering angle sensor calibration)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	—
		Threshold	Neutral position adjustment of the steering angle sensor is incomplete
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- Neutral position adjustment of the steering angle sensor is incomplete
- Steering angle sensor

FAIL-SAFE

Predictive course line is not displayed

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self diagnostic result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1232 detected?

YES >> Proceed to AV-335, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717349

1.ADJUST NEUTRAL POSITION OF STEERING ANGLE SENSOR

Adjusts the steering angle sensor neutral position on ABS actuator and electrical unit (control unit) side. Refer to BRC-92, "Description".

NOTE:
When U1232 is detected, adjust the predictive course line center position of the steering angle sensor.

>> GO TO 2.

2.PERFORM DTC CONFIRMATION PROCEDURE AGAIN

Perform DTC confirmation procedure again. Refer to AV-335, "DTC Description".

Is DTC U1232 detected again?

YES >> Replace steering angle sensor. Refer to AV-659, "Removal and Installation".
NO >> INSPECTION END

U1233 NAVI CONTROL UNIT

DTC Description

INFOID:0000000013717350

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U1233	NAVI CONTROL UNIT (Navigation control unit)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	—
		Threshold	NAVI control unit internal malfunction
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

NAVI control unit

FAIL-SAFE

As an example:
- Map is not displayed
- Navigation screen does not operate

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self diagnostic result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1233 detected?

YES >> Proceed to AV-336, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717351

1.PERFORM DTC CONFIRMATION PROCEDURE AGAIN

With CONSULT
1. Turn ignition switch ON.
2. Erase DTC.
3. Perform DTC confirmation procedure again. Refer to AV-336, "DTC Description".

Is DTC U1233 detected again?

YES >> Replace NAVI control unit. Refer to AV-433, "Removal and Installation".
NO >> INSPECTION END

U1234 AV CONTROL UNIT

DTC Description

INFOID:0000000013717352

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U1234	AV CONTROL UNIT (AV control unit)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	—
		Threshold	AV control unit internal malfunction
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

AV control unit

FAIL-SAFE

As an example:
- Sound is not output by a speaker
- CD is not played
- Radio does not operate

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self diagnostic result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1234 detected?

YES >> Proceed to AV-337, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717353

1.PERFORM DTC CONFIRMATION PROCEDURE AGAIN

With CONSULT
1. Turn ignition switch ON.
2. Erase DTC.
3. Perform DTC confirmation procedure again. Refer to AV-337, "DTC Description".

Is DTC U1234 detected again?

YES >> Replace AV control unit. Refer to AV-432, "Removal and Installation".
NO >> INSPECTION END

U1244 GPS ANTENNA CONN

DTC Description

INFOID:0000000013717354

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U1244	GPS ANTENNA CONN (GPS antenna connection error)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	GPS antenna signal
		Threshold	Abnormality
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- GPS antenna is not connected
- GPS antenna

FAIL-SAFE

The vehicle positions of a navigation screen differ.

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1244 detected?

YES >> Proceed to AV-338, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717355

1.CHECK GPS ANTENNA HARNESS CONNECTOR

1. Turn ignition switch OFF.
2. Visually check GPS antenna connection.

Is the inspection result normal?

YES >> Replace GPS antenna. Refer to AV-452, "Removal and Installation".
NO >> Repair connection of GPS antenna to NAVI control unit.

U1249 AUDIO H/U CONN

DTC Description

INFOID:0000000013717356

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition		
U1249	AUDIO H/U CONN (Audio head unit connection error)	1	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	AV control unit power supply and ground circuit
			Threshold	—
			Diagnosis delay time	30 seconds or more
		2	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	AV communication signal
			Threshold	Abnormality
			Diagnosis delay time	30 seconds or more

NOTE:
DTC “U1249” is displayed with DTC “U1300”.

POSSIBLE CAUSE

- AV control unit
- AV control unit power supply and ground circuit
- AV communication circuit is open

FAIL-SAFE

As an example:
- Sound is not output by a speaker
- CD is not played
- Radio does not operate

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1249 detected?

YES >> Proceed to AV-339, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717357

1.CHECK AV CONTROL UNIT POWER SUPPLY AND GROUND CIRCUIT

Check AV control unit power supply and ground circuit. Refer to AV-391, "AV CONTROL UNIT : Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace malfunctioning parts.

2.CHECK AV COMMUNICATION CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect display control unit harness connector and AV control unit harness connector.
3. Check the continuity between display control unit harness connector and AV control unit harness connector.

Display control unit		AV control unit		Continuity
Connector	Terminal	Connector	Terminal	
M100	16	M164	22	Existed
	28		42	

Is the inspection result normal?

YES >> Replace AV control unit. Refer to AV-432, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

U124E AMP CONN

DTC Description

INFOID:0000000013717358

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition		
U124E	AMP CONN (Amp connection error)	1	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	BOSE amp. power supply and ground circuit
			Threshold	—
			Diagnosis delay time	30 seconds or more
		2	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	AV communication signal
			Threshold	Abnormality
			Diagnosis delay time	30 seconds or more

NOTE:
DTC “U124E” is displayed with DTC “U1300”.

POSSIBLE CAUSE

- BOSE amp.
- BOSE amp. power supply and ground circuit
- AV communication circuit is open

FAIL-SAFE

Sound is not output by a speaker

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U124E detected?

YES >> Proceed to AV-341, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717359

1.CHECK BOSE AMP. POWER SUPPLY AND GROUND CIRCUIT

Check BOSE amp. power supply and ground circuit. Refer to AV-394, "BOSE AMP. : Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace malfunctioning parts.

2.CHECK AV COMMUNICATION CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect display control unit harness connector and BOSE amp. harness connector.
3. Check the continuity between display control unit harness connector and BOSE amp. harness connector.

Display control unit		BOSE amp.		Continuity
Connector	Terminal	Connector	Terminal	
M100	16	B55	54	Existed
	28		74	

Is the inspection result normal?

YES >> Replace BOSE amp. Refer to AV-438, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

U1258 SATELLITE RADIO ANTENNA

DTC Description

INFOID:0000000013717360

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition		
U1258	XM ANTENNA CONN (Satellite radio antenna connection error)	1	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Satellite radio antenna circuit is shorted to ground.
			Threshold	—
			Diagnosis delay time	30 seconds or more
		2	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Satellite radio antenna circuit is open.
			Threshold	—
			Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- Satellite radio antenna is not connected
- Harness or connector (Satellite radio antenna circuit is open or short)

FAIL-SAFE

Satellite radio is not received

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1258 detected?

YES >> Proceed to AV-343, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717361

1.CHECK SATELLITE RADIO ANTENNA HARNESS CONNECTOR

1. Turn ignition switch OFF.
2. Visually check satellite radio antenna and antenna feeder.

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace malfunctioning parts.

2.CHECK SATELLITE RADIO ANTENNA HARNESS CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect AV control unit harness connector.
3. Check the continuity AV control unit harness connector and ground.

Terminals			Continuity
(+)		(−)	
AV control unit			
Connector	Terminal		
M414	176	Ground	Not existed

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3.CHECK AV CONTROL UNIT VOLTAGE

1. Turn ignition switch ON.
2. Check the voltage between AV control unit and ground.

Terminals		Voltage (Approx.)
(+)	(−)	
AV control unit		
Terminal		
176	Ground	5.0 V

Is the inspection result normal?

YES >> Replace satellite radio antenna. Refer to AV-450, "Removal and Installation".
NO >> Replace AV control unit. Refer to AV-432, "Removal and Installation".

U1259 INTEGRAL SWITCH CONN

DTC Description

INFOID:0000000013717362

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition		
U1259	2ND DIP CONN (2nd display connection error)	1	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Integral switch power supply and ground circuit
			Threshold	—
			Diagnosis delay time	30 seconds or more
		2	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	AV communication signal
			Threshold	Abnormality
			Diagnosis delay time	30 seconds or more

NOTE:
DTC “U1259” is displayed with DTC “U1300”.

POSSIBLE CAUSE

- Integral switch
- Integral switch power supply and ground circuit
- AV communication circuit is open

FAIL-SAFE

- Integral switch display is not displayed
- Switch operation is invalid
- Touch panel operation is invalid

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1259 detected?

YES >> Proceed to AV-345, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717363

1.CHECK INTEGRAL SWITCH POWER SUPPLY AND GROUND CIRCUIT

Check integral switch power supply and ground circuit. Refer to AV-395, "INTEGRAL SWITCH : Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace malfunctioning parts.

2.CHECK AV COMMUNICATION CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect display control unit harness connector and integral switch harness connector.

3. Check the continuity between display control unit harness connector and integral switch harness connector.

Display control unit		Integral switch		Continuity
Connector	Terminal	Connector	Terminal	
M100	16	M1	3	Existed
	28		4	

Is the inspection result normal?

YES >> Replace integral switch. Refer to AV-435, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

U125B AVM CONN

DTC Description

INFOID:0000000013717364

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition		
U125B	AROUND CAMERA CONN (Around camera connection error)	1	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Around view monitor control unit power supply and ground circuit
			Threshold	—
			Diagnosis delay time	30 seconds or more
		2	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	AV communication signal
			Threshold	Abnormality
			Diagnosis delay time	30 seconds or more

NOTE:
DTC “U125B” is displayed with DTC “U1300”.

POSSIBLE CAUSE

- Around view monitor control unit
- Around view monitor control unit power supply and ground circuit
- AV communication circuit is open

FAIL-SAFE

Camera image is not displayed

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U125B detected?

YES >> Proceed to AV-347, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717365

1.CHECK AROUND VIEW MONITOR CONTROL UNIT POWER SUPPLY AND GROUND CIRCUIT

Check around view monitor control unit power supply and ground circuit. Refer to AV-627, "AROUND VIEW MONITOR CONTROL UNIT : Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace malfunctioning parts.

2.CHECK AV COMMUNICATION CIRCUIT FOR OPEN

1. Turn ignition switch OFF.
2. Disconnect display control unit harness connector and around view monitor control unit harness connector.
3. Check the continuity between display control unit harness connector and around view monitor control unit harness connector.

Display control unit		Around view monitor control unit		Continuity
Connector	Terminal	Connector	Terminal	
M100	16	B50	20	Existed
	28		19	

Is the inspection result normal?

YES >> Replace around view monitor control unit. Refer to AV-647, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

U125D NAVI CONN

DTC Description

INFOID:0000000013717366

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition		
U125D	DVD NAVI CONN (DVD navigation connection error)	1	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	NAVI control unit power supply and ground circuit
			Threshold	—
			Diagnosis delay time	30 seconds or more
		2	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	USB communication signal
			Threshold	Abnormality
			Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- NAVI control unit
- NAVI control unit power supply and ground circuit
- USB harness is not connected

FAIL-SAFE

A navigation menu cannot be selected (hatching display).

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U125D detected?

YES >> Proceed to AV-349, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717367

1.CHECK USB HARNESS CONNECTION

1. Turn ignition switch OFF.
2. Visually check USB harness connector between display control unit and NAVI control unit.

Is the inspection result normal?

YES >> GO TO 2.
NO >> Replace USB harness.

2.CHECK NAVI CONTROL UNIT POWER SUPPLY AND GROUND CIRCUIT

Check NAVI control unit power supply and ground circuit. Refer to AV-392, "NAVI CONTROL UNIT : Diagnosis Procedure".

Is the inspection result normal?

YES >> Replace NAVI control unit. Refer to AV-433, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

U1266 TCU

DTC Description

INFOID:0000000013717368

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition		
U1266	TCU CONN (TCU connection)	1	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	USB communication signal (TCU power supply and ground circuit)
			Threshold	Abnormality
			Diagnosis delay time	30 seconds or more
		2	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	USB communication signal (between Display control unit and TCU)
			Threshold	Abnormality
			Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- TCU
- Display control unit
- USB harness is not connected

FAIL-SAFE

Telematics system does not function

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1266 detected?

YES >> Proceed to AV-350, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717369

1.CONFIRMATION OF DTC WHICH DETECTED

1. Turn ignition switch ON.
2. Erase DTC.
3. Perform DTC confirmation procedure again. Refer to AV-350, "DTC Description".

Is DTC U1266 detected with DTC U1249 and U125D?

YES >> Replace display control unit. Refer to AV-431, "Removal and Installation".
NO >> GO TO 2.

2.CHECK USB HARNESS CONNECTION

1. Turn ignition switch OFF.
2. Visually check USB harness connector between display control unit and TCU.

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace USB harness.

3.CHECK TCU UNIT POWER SUPPLY AND GROUND CIRCUIT

Check TCU power supply and ground circuit. Refer to AV-793, "TCU : Diagnosis Procedure".

Is the inspection result normal?

YES >> Replace TCU. Refer to AV-799, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

U1267 METER CONN

DTC Description

INFOID:0000000013717370

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition		
U1267	METER CONN (Combination meter connection)	1	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	AV communication (combination meter power supply and ground)
			Threshold	Abnormality
			Diagnosis delay time	30 seconds or more
		2	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	AV communication (between AV control unit and combination meter)
			Threshold	Abnormality
			Diagnosis delay time	30 seconds or more

NOTE:
DTC U1267 is displayed with DTC U1300.

POSSIBLE CAUSE

- Combination meter
- Combination meter power supply and ground circuit
- AV communication circuit is open

FAIL-SAFE

- Audio information is not displayed by the information display in the combination meter
- Navigation indicator is not displayed by the information display in the combination meter
- Steering switch does not operate

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1267 detected?

YES >> Proceed to AV-352, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717371

1.CHECK COMBINATION METER POWER SUPPLY AND GROUND CIRCUIT

Check combination meter power supply and ground circuit. Refer to MWI-125, "COMBINATION METER : Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace malfunctioning parts.

2.CHECK AV COMMUNICATION CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect display control unit harness connector and combination meter harness connector.

3. Check the continuity between display control unit harness connector and combination meter harness connector.

Display control unit		Combination meter		Continuity
Connector	Terminal	Connector	Terminal	
M100	16	M58	48	Existed
	28		47	

Is the inspection result normal?

YES >> Replace combination meter. Refer to MWI-148, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

U12B7 USB CONN

DTC Description

INFOID:0000000013717372

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U12B7	USB CONN (USB connection error)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	—
		Threshold	Abnormality
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- Display control unit
- AV control unit
- USB harness is not connected

FAIL-SAFE

Audio equipment which connected to USB does not operate

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Connect audio apparatuses etc. to USB port.
5. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
6. Check DTC.

Is DTC U12B7 detected?

YES >> Proceed to AV-354, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717373

1.CHECK DTC (1)

With CONSULT

1. Remove connected audio apparatus from USB port.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON.
4. Erase DTC.
5. Turn ignition switch OFF and wait at least 30 seconds.
6. Turn ignition switch ON and wait at least 30 seconds or more.
7. Check “Self Diagnostic Result” of “MULTI AV”.

Is any DTC detected?

YES >> Replace AV control unit. Refer to AV-432, "Removal and Installation".
NO >> GO TO 2.

2.CHECK DTC (2)

1. Connect audio apparatus to USB port again.
2. Check “Self Diagnostic Result” of “MULTI AV”.

Is DTCU12B7 detected?

YES >> Abnormality of audio apparatus connected to USB port.
NO >> INSPECTION END

U12B8 REAR CAMERA CONN

DTC Description

INFOID:0000000013717374

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	Detecting condition	
U12B8	REAR CAMERA CONN (Rear camera connection error)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	—
		Threshold	Abnormality
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- Rear view camera
- Rear view camera is not connected
- Rear view camera circuit is open

FAIL-SAFE

Rear view camera image is not displayed

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Shift the selector lever to R position and than, shift the selector lever to P position again.
5. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
6. Check DTC.

Is DTC U12B8 detected?

YES >> Proceed to AV-355, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717375

1.CHECK REAR VIEW CAMERA POWER SUPPLY (1)

1. Turn ignition switch OFF.
2. Disconnect rear view camera harness connector.
3. Turn ignition switch ON.
4. Shift the selector lever to R position.
5. Check the voltage between rear view camera harness connectors.

Rear view camera			Voltage (Approx.)
Connector	Terminals		
	(+)	(−)	
	Terminal		
T54	2	1	6.0 V

Is the inspection result normal?

YES >> Replace rear view camera. Refer to AV-725, "Removal and Installation".
NO >> GO TO 2.

2.CHECK REAR VIEW CAMERA POWER SUPPLY (2)

Check the voltage between rear view camera harness connector and ground.

Terminals			Voltage (Approx.)
(+)		(–)	
Rear view camera			
Connector	Terminal		
T54	2	Ground	6.0 V

Is the inspection result normal?

YES >> GO TO 4.
NO >> GO TO 3.

3.CHECK REAR VIEW CAMERA POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect display control unit harness connector.
3. Check the continuity between display control unit harness connector and rear view camera harness connector.

Display control unit		Rear view camera		Continuity
Connector	Terminal	Connector	Terminal	
M101	74	T54	2	Existed

Is the inspection result normal?

YES >> Replace display control unit. Refer to AV-431, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

4.CHECK REAR VIEW CAMERA GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect display control unit harness connector.
3. Check the continuity between display control unit harness connector and rear view camera harness connector.

Display control unit		Rear view camera		Continuity
Connector	Terminal	Connector	Terminal	
M101	54	T54	1	Existed

Is the inspection result normal?

YES >> Check display control unit and rear view camera ground.
NO >> Repair or replace malfunctioning parts.

U12BA MULTIFUNCTION SWITCH CONN

DTC Description

INFOID:0000000013717376

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	Detecting condition	
U12BA	MULTIFUNCTION SWITCH CONN (Multifunction switch connection error)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	—
		Threshold	Connection error
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- Multifunction switch
- Multifunction switch is not connected

FAIL-SAFE

Multifunction switch operation is invalid

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U12BA detected?

YES >> Proceed to AV-357, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717377

1.PERFORM SELF-DIAGNOSIS OF INTEGRAL SWITCH

1. Turn ignition switch ON.
2. After ignition switch ON, press “RADIO” switch and “MENU” switch at the same time more than 3 seconds within 10 seconds.
3. A beep sounds, and all the air-conditioner switch indicators turn on, and a self-diagnostic mode is started.
4. Press each multifunction switch and check the beep sound.

NOTE:
Self-diagnostic mode is ended when the ignition switch turns OFF.

Does the beep sound by all the switch operations?

YES >> INSPECTION END
NO >> GO TO 2.

2.CHECK MULTIFUNCTION SWITCH

Check the multifunction switch. Refer to AV-358, "Component Inspection".

Is the inspection result normal?

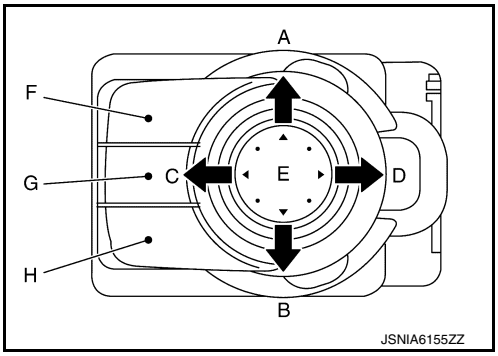
YES >> Repair or replace harness between integral switch and multifunction switch which does not operate.
NO >> Replace multifunction switch. Refer to AV-436, "Removal and Installation".

Component Inspection

INFOID:0000000013717378

1. CHECK MULTIFUNCTION SWITCH (1)

1. Turn ignition switch OFF.
2. Disconnect multifunction switch harness connector.
3. Check the resistance between multifunction switch terminals as per the following condition.



Terminal		Switch position	Resistance (Ω)
(+)	(–)		
1	2	All OFF	4632 - 4868
		E	390.1 - 410.1
		F	45.3 - 47.7
4		All OFF	4632 - 4868
		A	605.1 - 636.2
		B	211.2 - 222.0
		G	45.3 - 47.7
10		All OFF	4632 - 4868
		C	605.1 - 636.2
		D	211.2 - 222.0
		H	45.3 - 47.7

Is the inspection result normal?

YES >> GO TO 2.
NO >> Replace multifunction switch. Refer to AV-436, "Removal and Installation".

2. CHECK MULTIFUNCTION SWITCH (2)

1. Reconnect all harness connectors disconnected.
2. Turn ignition switch ON.
3. Check the voltage between integral switch harness connector terminals as per the following condition.

Integral switch			Condition		Voltage (Approx.)
Connector	Terminals				
	(+)	(–)			
	Terminal				
M3	32	31	Multifunction switch	Rotate	2.0 - 4.3 V
	37				

Is the inspection result normal?

YES >> INSPECTION END
NO >> Replace multifunction switch. Refer to AV-436, "Removal and Installation".

U12BE RADIO ANTENNA CONN

DTC Description

INFOID:0000000013717379

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)		Detecting condition	
U12BE	RADIO ANTENNA CONN (Radio antenna connection error)	GND-SHORT (Ground to short circuit)	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Antenna signal
			Threshold	Radio antenna circuit is short circuit to ground
			Diagnosis delay time	30 seconds or more
		OPEN (Open circuit)	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Antenna signal
			Threshold	Radio antenna circuit is open
			Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- Radio antenna is not connected
- Harness or connector (Radio antenna circuit is open or short)

FAIL-SAFE

Radio is not received

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U12BE detected?

YES >> Proceed to AV-359, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717380

1.CHECK WINDOW ANTENNA HARNESS CONNECTOR

1. Turn ignition switch OFF.
2. Visually check radio antenna and antenna feeder.

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace malfunctioning parts.

2.CHECK WINDOW ANTENNA HARNESS CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect AV control unit harness connector.
3. Check the continuity AV control unit harness connector and ground.

Terminals			Continuity
(+)		(−)	
AV control unit			
Connector	Terminal		
M394	151	Ground	Not existed

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3. CHECK DISPLAY CONTROL UNIT VOLTAGE

1. Turn ignition switch ON.
2. Check the voltage between AV control unit and ground.

Terminals		Voltage (Approx.)
(+)	(−)	
AV control unit		
Terminal		
151	Ground	5.0 V

Is the inspection result normal?

YES >> Replace window antenna. Refer to AV-449, "Feeder Layout".
NO >> Replace AV control unit. Refer to AV-432, "Removal and Installation".

U1300 AV COMM CIRCUIT

DTC Description

INFOID:0000000013717381

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U1300	AV COMM CIRCUIT (AV communication circuit)	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	AV communication signal
		Threshold	Transmit or receive is abnormal
		Diagnosis delay time	30 seconds or more

NOTE:
DTC U1300 is simultaneously displayed as one of following DTC(s).
- U1249 AUDIO H/U CONN
- U124E AMP CONN
- U1259 2ND DISP CONN
- U125B AROUND CAMERA CONN
- U1267 METER CONN

POSSIBLE CAUSE
- AV communication circuit
- Display control unit
- AV control unit
- BOSE amp.
- Integral switch
- Around view monitor control unit
- Combination meter

FAIL-SAFE
The system of ECU which detected abnormalities does not operate.

DTC CONFIRMATION PROCEDURE

1.CHECK DTC PRIORITY

If U1300 is displayed with DTC U1249, U124E, U1259, U125B or U1267, first perform the confirmation procedure (trouble diagnosis) for DTC U1249, U124E, U1259, U125B or U1267.

Is applicable DTC detected?

YES >> Perform diagnosis of applicable.
- U1249: Refer to AV-339, "DTC Description".
- U124E: Refer to AV-341, "DTC Description".
- U1259: Refer to AV-345, "DTC Description".
- U125B: Refer to AV-347, "DTC Description".
- U1267: Refer to AV-352, "DTC Description".

NO >> GO TO 2.

2.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1300 detected?

YES >> Proceed to AV-362, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717382

1.CHECK SELF DIAGNOSTIC RESULT

Check if any DTC other than “U1300” is detected in “Self diagnostic result” of “MULTI AV”.

Is any DTC detected?

YES >> Perform diagnosis on the detected DTC and repair or replace the malfunctioning parts. Refer to AV-113, "DTC Index".

NO >> Replace display control unit. Refer to AV-431, "Removal and Installation"

U1310 DISPLAY CONTROL UNIT

DTC Description

INFOID:0000000013717383

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detection condition	
U1310	CONTROL UNIT (AV) [Control unit (AV)]	Diagnosis condition	When ignition switch is ON.
		Signal (terminal)	AV communication signal
		Threshold	AV communication circuit initial diagnosis abnormality
		Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

Display control unit

FAIL-SAFE

The system which is using AV communication does not operate.

DTC CONFIRMATION PROCEDURE

1.PRECONDITIONING

1. Turn ignition switch OFF and wait at least 30 seconds.
2. Turn ignition switch ON.
3. Turn ignition switch OFF and wait at least 30 seconds.

>> GO TO 2.

2.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
3. Check DTC.

Is DTC U1310 detected?

YES >> Proceed to AV-363, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717384

1.PERFORM DTC CONFIRMATION PROCEDURE AGAIN

With CONSULT
1. Turn ignition switch ON.
2. Erase DTC.
3. Perform DTC confirmation procedure again. Refer to AV-363, "DTC Description".

Is DTC U1310 detected again?

YES >> Replace display control unit. Refer to AV-431, "Removal and Installation".
NO >> INSPECTION END

U1600, U1608 DOOR SPEAKER

DTC Description

INFOID:0000000013717385

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)		DTC detection condition	
U1600	FL-DOOR SPEAKER (Front left-door speaker)	OPEN	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between AV control unit and door speaker LH)
			Threshold	Open circuit
			Diagnosis delay time	30 seconds or more
		SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between AV control unit and door speaker LH)
			Threshold	Short circuit
			Diagnosis delay time	30 seconds or more
		GND-SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between AV control unit and door speaker LH)
			Threshold	Short to ground circuit
			Diagnosis delay time	30 seconds or more
		VB-SHOR	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between AV control unit and door speaker LH)
			Threshold	Short to power supply circuit
			Diagnosis delay time	30 seconds or more
U1608	FR-DOOR SPEAKER (Front right-door speaker)	OPEN	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between AV control unit and door speaker RH)
			Threshold	Open circuit
			Diagnosis delay time	30 seconds or more
		SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between AV control unit and door speaker RH)
			Threshold	Short circuit
			Diagnosis delay time	30 seconds or more
		GND-SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between AV control unit and door speaker RH)
			Threshold	Short to ground circuit
			Diagnosis delay time	30 seconds or more
		VB-SHOR	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between AV control unit and door speaker RH)
			Threshold	Short to power supply circuit
			Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- Door speaker LH circuit is malfunction
- Door speaker RH circuit is malfunction
- Door speaker LH
- Door speaker RH

FAIL-SAFE

- No sound from door speaker LH
- No sound from door speaker RH

DTC CONFIRMATION PROCEDURE

1.PRECONDITIONING

1. Turn ignition switch OFF and wait at least 30 seconds.
2. Turn ignition switch ON.
3. Turn ignition switch OFF and wait at least 30 seconds.

>> GO TO 2.

2.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON and wait at least 30 seconds or more.
2. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
3. Check DTC.

Is DTC U1600 or U1608 detected?

YES >> Proceed to AV-365, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717386

1.CHECK DOOR SPEAKER CIRCUIT FOR OPEN

1. Turn ignition switch OFF.
2. Disconnect AV control unit harness connector and door speaker LH or RH harness connector.
3. Check the continuity between AV control unit harness connector and door speaker LH or RH harness connector.

Door speaker LH

AV control unit		Door speaker LH		Continuity
Connector	Terminal	Connector	Terminal	
M163	2	D13	1	Existed
	3		2	

Door speaker RH

AV control unit		Door speaker RH		Continuity
Connector	Terminal	Connector	Terminal	
M163	11	D24	1	Existed
	12		2	

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace malfunctioning parts.

2.CHECK DOOR SPEAKER CIRCUIT FOR SHORT TO GROUND

Check the continuity between door speaker LH or RH harness connector and ground.

Door speaker LH

Terminals			
(+)		(–)	Continuity
Door speaker LH			
Connector	Terminal		
D13	1	Ground	Existed
	2		

Door speaker RH

Terminals			
(+)		(–)	Continuity
Door speaker RH			
Connector	Terminal		
D24	1	Ground	Existed
	2		

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3. CHECK DOOR SPEAKER CIRCUIT FOR SHORT TO POWER SUPPLY

1. Turn ignition switch ON.
2. Check the voltage between door speaker LH or RH harness connector and ground.

Door speaker LH

Terminals			
(+)		(–)	Voltage (Approx.)
Door speaker LH			
Connector	Terminal		
D13	1	Ground	0 V
	2		

Door speaker RH

Terminals			
(+)		(–)	Voltage (Approx.)
Door speaker RH			
Connector	Terminal		
D24	1	Ground	0 V
	2		

Is the inspection result normal?

YES >> Replace door speaker LH or RH. Refer to AV-445, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

U1601, U1609 DOOR WOOFER

DTC Description

INFOID:0000000013717387

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)		DTC detection condition	
U1601	FL-DOOR WOOFER (Front left-door woofer)	OPEN	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and door woofer LH)
			Threshold	Open circuit
			Diagnosis delay time	30 seconds or more
		SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and door woofer LH)
			Threshold	Short circuit
			Diagnosis delay time	30 seconds or more
		GND-SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and door woofer LH)
			Threshold	Short to ground circuit
			Diagnosis delay time	30 seconds or more
		VB-SHOR	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and door woofer LH)
			Threshold	Short to power supply circuit
			Diagnosis delay time	30 seconds or more
U1609	FR-DOOR WOOFER (Front right-door woofer)	OPEN	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and door woofer RH)
			Threshold	Open circuit
			Diagnosis delay time	30 seconds or more
		SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and door woofer RH)
			Threshold	Short circuit
			Diagnosis delay time	30 seconds or more
		GND-SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and door woofer RH)
			Threshold	Short to ground circuit
			Diagnosis delay time	30 seconds or more
		VB-SHOR	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and door woofer RH)
			Threshold	Short to power supply circuit
			Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- Door woofer LH circuit is malfunction
- Door woofer RH circuit is malfunction
- Door woofer LH
- Door woofer RH

FAIL-SAFE

- No sound from door woofer LH
- No sound from door woofer RH

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1601 or U1609 detected?

YES >> Proceed to AV-368, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717388

1.CHECK DOOR WOOFER CIRCUIT FOR OPEN

1. Turn ignition switch OFF.
2. Disconnect BOSE amp. harness connector and door woofer LH or RH harness connector.
3. Check the continuity between BOSE amp. harness connector and door woofer LH or RH harness connector.

Door woofer LH

BOSE amp.		Door woofer LH		Continuity
Connector	Terminal	Connector	Terminal	
B53	13	D49	1	Existed
	8		2	

Door woofer RH

BOSE amp.		Door woofer RH		Continuity
Connector	Terminal	Connector	Terminal	
B53	3	D51	1	Existed
	4		2	

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace malfunctioning parts.

2.CHECK DOOR WOOFER CIRCUIT FOR SHORT TO GROUND

Check the continuity between door woofer LH or RH harness connector and ground.

Door woofer LH

Terminals			Continuity
(+)		(−)	
Door woofer LH			
Connector	Terminal		
D49	1	Ground	Existed
	2		

Door woofer RH

Terminals			
(+)		(–)	Continuity
Door woofer RH			
Connector	Terminal		
D51	1	Ground	Existed
	2		

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3. CHECK DOOR WOOFER CIRCUIT FOR SHORT TO POWER SUPPLY

1. Turn ignition switch ON.
2. Check the voltage between door woofer LH or RH harness connector and ground.

Door woofer LH

Terminals			
(+)		(–)	Voltage (Approx.)
Door woofer LH			
Connector	Terminal		
D49	1	Ground	0 V
	2		

Door woofer RH

Terminals			
(+)		(–)	Voltage (Approx.)
Door woofer RH			
Connector	Terminal		
D51	1	Ground	0 V
	2		

Is the inspection result normal?

YES >> Replace door woofer LH or RH. Refer to AV-444, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

U1602, U160A DOOR SQUAWKER

DTC Description

INFOID:0000000013717389

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)		DTC detection condition	
U1602	FL-DOOR SQUAWK (Front left-door squawker)	OPEN	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and door squawker LH)
			Threshold	Open circuit
			Diagnosis delay time	30 seconds or more
		SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and door squawker LH)
			Threshold	Short circuit
			Diagnosis delay time	30 seconds or more
		GND-SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and door squawker LH)
			Threshold	Short to ground circuit
			Diagnosis delay time	30 seconds or more
		VB-SHOR	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and door squawker LH)
			Threshold	Short to power supply circuit
			Diagnosis delay time	30 seconds or more
U160A	FR-DOOR SQUAWK (Front right-door squawker)	OPEN	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and door squawker RH)
			Threshold	Open circuit
			Diagnosis delay time	30 seconds or more
		SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and door squawker RH)
			Threshold	Short circuit
			Diagnosis delay time	30 seconds or more
		GND-SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and door squawker RH)
			Threshold	Short to ground circuit
			Diagnosis delay time	30 seconds or more
		VB-SHOR	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and door squawker RH)
			Threshold	Short to power supply circuit
			Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- Door squawker LH circuit is malfunction
- Door squawker RH circuit is malfunction
- Door squawker LH
- Door squawker RH

FAIL-SAFE

- No sound from door squawker LH
- No sound from door squawker RH

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1602 or U160A detected?

YES >> Proceed to AV-371, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717390

1.CHECK DOOR SQUAWKER CIRCUIT FOR OPEN

1. Turn ignition switch OFF.
2. Disconnect BOSE amp. harness connector and door squawker LH or RH harness connector.
3. Check the continuity between BOSE amp. harness connector and door squawker LH or RH harness connector.

Door squawker LH

BOSE amp.		Door squawker LH		Continuity
Connector	Terminal	Connector	Terminal	
B54	24	D11	1	Existed
	35		2	

Door squawker RH

BOSE amp.		Door squawker RH		Continuity
Connector	Terminal	Connector	Terminal	
B54	19	D23	1	Existed
	32		2	

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace malfunctioning parts.

2.CHECK DOOR SQUAWKER CIRCUIT FOR SHORT TO GROUND

Check the continuity between door squawker LH or RH harness connector and ground.

Door squawker LH

Terminals			Continuity
(+)		(−)	
Door squawker LH			
Connector	Terminal		
D11	1	Ground	Existed
	2		

Door squawker RH

Terminals			
(+)		(–)	Continuity
Door squawker RH			
Connector	Terminal		
D23	1	Ground	Existed
	2		

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3. CHECK DOOR SQUAWKER CIRCUIT FOR SHORT TO POWER SUPPLY

1. Turn ignition switch ON.
2. Check the voltage between door squawker LH or RH harness connector and ground.

Door squawker LH

Terminals			
(+)		(–)	Voltage (Approx.)
Door squawker LH			
Connector	Terminal		
D11	1	Ground	0 V
	2		

Door squawker RH

Terminals			
(+)		(–)	Voltage (Approx.)
Door squawker RH			
Connector	Terminal		
D23	1	Ground	0 V
	2		

Is the inspection result normal?

YES >> Replace door squawker LH or RH. Refer to AV-443, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

U1603, U160B TWEETER

DTC Description

INFOID:0000000013717391

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)		DTC detection condition	
U1603	FL-DOOR TWEETER (Front left-door tweeter)	OPEN	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and tweeter LH)
			Threshold	Open circuit
			Diagnosis delay time	30 seconds or more
		SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and tweeter LH)
			Threshold	Short circuit
			Diagnosis delay time	30 seconds or more
		GND-SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and tweeter LH)
			Threshold	Short to ground circuit
			Diagnosis delay time	30 seconds or more
		VB-SHOR	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and tweeter LH)
			Threshold	Short to power supply circuit
			Diagnosis delay time	30 seconds or more
U160B	FR-DOOR TWEETER (Front right-door tweeter)	OPEN	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and tweeter RH)
			Threshold	Open circuit
			Diagnosis delay time	30 seconds or more
		SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and tweeter RH)
			Threshold	Short circuit
			Diagnosis delay time	30 seconds or more
		GND-SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and tweeter RH)
			Threshold	Short to ground circuit
			Diagnosis delay time	30 seconds or more
		VB-SHOR	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and tweeter RH)
			Threshold	Short to power supply circuit
			Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- Tweeter LH circuit is malfunction
- Tweeter RH circuit is malfunction
- Tweeter LH
- Tweeter RH

FAIL-SAFE

- No sound from tweeter LH
- No sound from tweeter RH

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1603 or U160B detected?

YES >> Proceed to AV-374, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717392

1.CHECK TWEETER CIRCUIT FOR OPEN

1. Turn ignition switch OFF.
2. Disconnect BOSE amp. harness connector and tweeter LH or RH harness connector.
3. Check the continuity between BOSE amp. harness connector and tweeter LH or RH harness connector.

Tweeter LH

BOSE amp.		Tweeter LH		Continuity
Connector	Terminal	Connector	Terminal	
B53	13	D60	1	Existed
	8		2	

Tweeter RH

BOSE amp.		Tweeter RH		Continuity
Connector	Terminal	Connector	Terminal	
B53	3	D61	1	Existed
	4		2	

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace malfunctioning parts.

2.CHECK TWEETER CIRCUIT FOR SHORT TO GROUND

Check the continuity between tweeter LH or RH harness connector and ground.

Tweeter LH

Terminals			Continuity
(+)		(–)	
Tweeter LH			
Connector	Terminal		
D60	1	Ground	Existed
	2		

Tweeter RH

Terminals			
(+)		(–)	Continuity
Tweeter RH			
Connector	Terminal		
D61	1	Ground	Existed
	2		

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3. CHECK TWEETER CIRCUIT FOR SHORT TO POWER SUPPLY

1. Turn ignition switch ON.
2. Check the voltage between tweeter LH or RH harness connector and ground.

Tweeter LH

Terminals			
(+)		(–)	Voltage (Approx.)
Tweeter LH			
Connector	Terminal		
D60	1	Ground	0 V
	2		

Tweeter RH

Terminals			
(+)		(–)	Voltage (Approx.)
Tweeter RH			
Connector	Terminal		
D61	1	Ground	0 V
	2		

Is the inspection result normal?

YES >> Replace tweeter LH or RH. Refer to AV-442, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

U1626, U162E FRONT SQUAWKER

DTC Description

INFOID:0000000013717393

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)		DTC detection condition	
U1626	F-INST L-SQUAWK (Front instrument panel left squawker)	OPEN	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and front squawker LH)
			Threshold	Open circuit
			Diagnosis delay time	30 seconds or more
		SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and front squawker LH)
			Threshold	Short circuit
			Diagnosis delay time	30 seconds or more
		GND-SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and front squawker LH)
			Threshold	Short to ground circuit
			Diagnosis delay time	30 seconds or more
		VB-SHOR	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and front squawker LH)
			Threshold	Short to power supply circuit
			Diagnosis delay time	30 seconds or more
U162E	F-INST R-SQUAWK (Front instrument panel right squawker)	OPEN	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and front squawker RH)
			Threshold	Open circuit
			Diagnosis delay time	30 seconds or more
		SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and front squawker RH)
			Threshold	Short circuit
			Diagnosis delay time	30 seconds or more
		GND-SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and front squawker RH)
			Threshold	Short to ground circuit
			Diagnosis delay time	30 seconds or more
		VB-SHOR	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and front squawker RH)
			Threshold	Short to power supply circuit
			Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- Front squawker LH circuit is malfunction
- Front squawker RH circuit is malfunction
- Front squawker LH
- Front squawker RH

FAIL-SAFE

- No sound from front squawker LH
- No sound from front squawker RH

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1626 or U162E detected?

YES >> Proceed to AV-377, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717394

1.CHECK FRONT SQUAWKER CIRCUIT FOR OPEN

1. Turn ignition switch OFF.
2. Disconnect BOSE amp. harness connector and front squawker LH or RH harness connector.
3. Check the continuity between BOSE amp. harness connector and front squawker LH or RH harness connector.

Front squawker LH

BOSE amp.		Front squawker LH		Continuity
Connector	Terminal	Connector	Terminal	
B54	16	M115	1	Existed
	29		2	

Front squawker RH

BOSE amp.		Front squawker RH		Continuity
Connector	Terminal	Connector	Terminal	
B54	31	M112	1	Existed
	30		2	

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace malfunctioning parts.

2.CHECK FRONT SQUAWKER CIRCUIT FOR SHORT TO GROUND

Check the continuity between front squawker LH or RH harness connector and ground.

Front squawker LH

Terminals			Continuity
(+)		(−)	
Front squawker LH			
Connector	Terminal		
M115	1	Ground	Existed
	2		

Front squawker RH

Terminals			
(+)		(–)	Continuity
Front squawker RH			
Connector	Terminal		
M112	1	Ground	Existed
	2		

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3. CHECK FRONT SQUAWKER CIRCUIT FOR SHORT TO POWER SUPPLY

1. Turn ignition switch ON.
2. Check the voltage between front squawker LH or RH harness connector and ground.

Front squawker LH

Terminals			
(+)		(–)	Voltage (Approx.)
Front squawker LH			
Connector	Terminal		
M115	1	Ground	0 V
	2		

Front squawker RH

Terminals			
(+)		(–)	Voltage (Approx.)
Front squawker RH			
Connector	Terminal		
M112	1	Ground	0 V
	2		

Is the inspection result normal?

YES >> Replace front squawker LH or RH. Refer to AV-440, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

U162A CENTER SQUAWKER

DTC Description

INFOID:0000000013717395

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)		DTC detection condition	
U162A	F-INST C-SQUAWK (Front instrument panel center squawker)	OPEN	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and center squawker LH)
			Threshold	Open circuit
			Diagnosis delay time	30 seconds or more
		SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and center squawker LH)
			Threshold	Short circuit
			Diagnosis delay time	30 seconds or more
		GND-SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and center squawker LH)
			Threshold	Short to ground circuit
			Diagnosis delay time	30 seconds or more
		VB-SHOR	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and center squawker LH)
			Threshold	Short to power supply circuit
			Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- Center squawker circuit is malfunction
- Center squawker

FAIL-SAFE

No sound from center squawker

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT

1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U162A detected?

YES >> Proceed to AV-379, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717396

1.CHECK CENTER SQUAWKER CIRCUIT FOR OPEN

1. Turn ignition switch OFF.
2. Disconnect BOSE amp. harness connector and center squawker harness connector.

3. Check the continuity between BOSE amp. harness connector and center squawker harness connector.

BOSE amp.		Center squawker		Continuity
Connector	Terminal	Connector	Terminal	
B54	17	M96	1	Existed
	18		2	

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace malfunctioning parts.

2.CHECK CENTER SQUAWKER CIRCUIT FOR SHORT TO GROUND

Check the continuity between center squawker harness connector and ground.

Terminals			Continuity
(+)		(–)	
Center squawker			
Connector	Terminal		
M96	1	Ground	Existed
	2		

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3.CHECK CENTER SQUAWKER CIRCUIT FOR SHORT TO POWER SUPPLY

1. Turn ignition switch ON.
2. Check the voltage between center squawker harness connector and ground.

Terminals			Voltage (Approx.)
(+)		(–)	
Center squawker			
Connector	Terminal		
M96	1	Ground	0 V
	2		

Is the inspection result normal?

YES >> Replace center squawker. Refer to AV-441, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

U1716, U171E REAR SQUAWKER

DTC Description

INFOID:0000000013717397

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)		DTC detection condition	
U1716	RL-SIDE SQUAWK (Rear left side panel squawker)	OPEN	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and rear squawker LH)
			Threshold	Open circuit
			Diagnosis delay time	30 seconds or more
		SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and rear squawker LH)
			Threshold	Short circuit
			Diagnosis delay time	30 seconds or more
		GND-SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and rear squawker LH)
			Threshold	Short to ground circuit
			Diagnosis delay time	30 seconds or more
		VB-SHOR	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and rear squawker LH)
			Threshold	Short to power supply circuit
			Diagnosis delay time	30 seconds or more
U171E	RR-SIDE SQUAWK (Rear right side panel squawker)	OPEN	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and rear squawker RH)
			Threshold	Open circuit
			Diagnosis delay time	30 seconds or more
		SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and rear squawker RH)
			Threshold	Short circuit
			Diagnosis delay time	30 seconds or more
		GND-SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and rear squawker RH)
			Threshold	Short to ground circuit
			Diagnosis delay time	30 seconds or more
		VB-SHOR	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and rear squawker RH)
			Threshold	Short to power supply circuit
			Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- Rear squawker LH circuit is malfunction
- Rear squawker RH circuit is malfunction
- Rear squawker LH
- Rear squawker RH

FAIL-SAFE

- No sound from rear squawker LH
- No sound from rear squawker RH

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1716 or U171E detected?

YES >> Proceed to AV-382, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717399

1.CHECK REAR SQUAWKER CIRCUIT FOR OPEN

1. Turn ignition switch OFF.
2. Disconnect BOSE amp. harness connector and rear squawker LH or RH harness connector.
3. Check the continuity between BOSE amp. harness connector and rear squawker LH or RH harness connector.

Rear squawker LH

BOSE amp.		Rear squawker LH		Continuity
Connector	Terminal	Connector	Terminal	
B54	22	B181	1	Existed
	33		2	

Rear squawker RH

BOSE amp.		Rear squawker RH		Continuity
Connector	Terminal	Connector	Terminal	
B54	23	B182	1	Existed
	34		2	

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace malfunctioning parts.

2.CHECK REAR SQUAWKER CIRCUIT FOR SHORT TO GROUND

Check the continuity between rear squawker LH or RH harness connector and ground.

Rear squawker LH

Terminals			Continuity
(+)		(−)	
Rear squawker LH			
Connector	Terminal		
B181	1	Ground	Existed
	2		

Rear squawker RH

Terminals			
(+)		(–)	Continuity
Rear squawker RH			
Connector	Terminal		
B182	1	Ground	Existed
	2		

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3. CHECK REAR SQUAWKER CIRCUIT FOR SHORT TO POWER SUPPLY

1. Turn ignition switch ON.
2. Check the voltage between rear squawker LH or RH harness connector and ground.

Rear squawker LH

Terminals			
(+)		(–)	Voltage (Approx.)
Rear squawker LH			
Connector	Terminal		
B181	1	Ground	0 V
	2		

Rear squawker RH

Terminals			
(+)		(–)	Voltage (Approx.)
Rear squawker RH			
Connector	Terminal		
B182	1	Ground	0 V
	2		

Is the inspection result normal?

YES >> Replace rear squawker LH or RH. Refer to AV-446, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

U1720, U1728 REAR SPEAKER

DTC Description

INFOID:0000000013717400

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)		DTC detection condition	
U1720	R-PSHELF L-SPEAKER (Rear parcel shelf left speaker)	OPEN	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between AV control unit and rear speaker LH)
			Threshold	Open circuit
			Diagnosis delay time	30 seconds or more
		SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between AV control unit and rear speaker LH)
			Threshold	Short circuit
			Diagnosis delay time	30 seconds or more
		GND-SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between AV control unit and rear speaker LH)
			Threshold	Short to ground circuit
			Diagnosis delay time	30 seconds or more
		VB-SHOR	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between AV control unit and rear speaker LH)
			Threshold	Short to power supply circuit
			Diagnosis delay time	30 seconds or more
U1728	R-PSHELF R-SPEAKER (Rear parcel shelf right speaker)	OPEN	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between AV control unit and rear speaker RH)
			Threshold	Open circuit
			Diagnosis delay time	30 seconds or more
		SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between AV control unit and rear speaker RH)
			Threshold	Short circuit
			Diagnosis delay time	30 seconds or more
		GND-SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between AV control unit and rear speaker RH)
			Threshold	Short to ground circuit
			Diagnosis delay time	30 seconds or more
		VB-SHOR	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between AV control unit and rear speaker RH)
			Threshold	Short to power supply circuit
			Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- Rear speaker LH circuit is malfunction
- Rear speaker RH circuit is malfunction
- Rear speaker LH
- Rear speaker RH

FAIL-SAFE

- No sound from rear speaker LH
- No sound from rear speaker RH

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1720 or U1728 detected?

YES >> Proceed to AV-385, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717401

1.CHECK REAR SPEAKER CIRCUIT FOR OPEN

1. Turn ignition switch OFF.
2. Disconnect AV control unit harness connector and rear speaker LH or RH harness connector.
3. Check the continuity between AV control unit harness connector and rear speaker LH or RH harness connector.

Rear speaker LH

AV control unit		Rear speaker LH		Continuity
Connector	Terminal	Connector	Terminal	
M163	4	B129	1	Existed
	5		2	

Rear speaker RH

AV control unit		Rear speaker RH		Continuity
Connector	Terminal	Connector	Terminal	
M163	13	B130	1	Existed
	14		2	

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace malfunctioning parts.

2.CHECK REAR SPEAKER CIRCUIT FOR SHORT TO GROUND

Check the continuity between rear speaker LH or RH harness connector and ground.

Rear speaker LH

Terminals			Continuity
(+)		(−)	
Rear speaker LH			
Connector	Terminal		
B129	1	Ground	Existed
	2		

Rear speaker RH

Terminals			
(+)		(–)	Continuity
Rear speaker RH			
Connector	Terminal		
B130	1	Ground	Existed
	2		

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3. CHECK REAR SPEAKER CIRCUIT FOR SHORT TO POWER SUPPLY

1. Turn ignition switch ON.
2. Check the voltage between rear speaker LH or RH harness connector and ground.

Rear speaker LH

Terminals			
(+)		(–)	Voltage (Approx.)
Rear speaker LH			
Connector	Terminal		
B129	1	Ground	0 V
	2		

Rear speaker RH

Terminals			
(+)		(–)	Voltage (Approx.)
Rear speaker RH			
Connector	Terminal		
B130	1	Ground	0 V
	2		

Is the inspection result normal?

YES >> Replace rear speaker LH or RH. Refer to AV-447, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

U1721, U1729 REAR WOOFER

DTC Description

INFOID:0000000013717402

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms (Trouble diagnosis content)		DTC detection condition	
U1721	R-PSHELF L-WOOFER (Rear parcel shelf left woofer)	OPEN	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and rear woofer LH)
			Threshold	Open circuit
			Diagnosis delay time	30 seconds or more
		SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and rear woofer LH)
			Threshold	Short circuit
			Diagnosis delay time	30 seconds or more
		GND-SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and rear woofer LH)
			Threshold	Short to ground circuit
			Diagnosis delay time	30 seconds or more
		VB-SHOR	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and rear woofer LH)
			Threshold	Short to power supply circuit
			Diagnosis delay time	30 seconds or more
U1729	R-PSHELF R-WOOFER (Rear parcel shelf right woofer)	OPEN	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and rear woofer RH)
			Threshold	Open circuit
			Diagnosis delay time	30 seconds or more
		SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and rear woofer RH)
			Threshold	Short circuit
			Diagnosis delay time	30 seconds or more
		GND-SHORT	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and rear woofer RH)
			Threshold	Short to ground circuit
			Diagnosis delay time	30 seconds or more
		VB-SHOR	Diagnosis condition	When ignition switch is ON.
			Signal (terminal)	Sound signal (between BOSE amp. and rear woofer RH)
			Threshold	Short to power supply circuit
			Diagnosis delay time	30 seconds or more

POSSIBLE CAUSE

- Rear woofer LH circuit is malfunction
- Rear woofer RH circuit is malfunction
- Rear woofer LH
- Rear woofer RH

FAIL-SAFE

- No sound from rear woofer LH
- No sound from rear woofer RH

DTC CONFIRMATION PROCEDURE

1.PERFORM DTC CONFIRMATION PROCEDURE

With CONSULT
1. Turn ignition switch ON.
2. Turn ignition switch OFF and wait at least 30 seconds.
3. Turn ignition switch ON and wait at least 30 seconds or more.
4. Select “Self Diagnostic Result” mode of “MULTI AV” using CONSULT.
5. Check DTC.

Is DTC U1721 or U1729 detected?

YES >> Proceed to AV-388, "Diagnosis Procedure".
NO-1 >> To check malfunction symptom before repair: Refer to GI-44, "Intermittent Incident".
NO-2 >> Confirmation after repair: INSPECTION END

Diagnosis Procedure

INFOID:0000000013717403

1.CHECK REAR WOOFER CIRCUIT FOR OPEN

1. Turn ignition switch OFF.
2. Disconnect BOSE amp. harness connector and rear woofer LH or RH harness connector.
3. Check the continuity between BOSE amp. harness connector and rear woofer LH or RH harness connector.

Rear woofer LH

BOSE amp.		Rear woofer LH		Continuity
Connector	Terminal	Connector	Terminal	
B53	2	B179	1	Existed
	1		2	

Rear woofer RH

BOSE amp.		Rear woofer RH		Continuity
Connector	Terminal	Connector	Terminal	
B53	5	B180	1	Existed
	6		2	

Is the inspection result normal?

YES >> GO TO 2.
NO >> Repair or replace malfunctioning parts.

2.CHECK REAR WOOFER CIRCUIT FOR SHORT TO GROUND

Check the continuity between rear woofer LH or RH harness connector and ground.

Rear woofer LH

Terminals			Continuity
(+)		(−)	
Rear woofer LH			
Connector	Terminal		
B179	1	Ground	Existed
	2		

Rear woofer RH

Terminals			
(+)		(–)	Continuity
Rear woofer RH			
Connector	Terminal		
B180	1	Ground	Existed
	2		

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3. CHECK REAR WOOFER CIRCUIT FOR SHORT TO POWER SUPPLY

1. Turn ignition switch ON.
2. Check the voltage between rear woofer LH or RH harness connector and ground.

Rear woofer LH

Terminals			
(+)		(–)	Voltage (Approx.)
Rear woofer LH			
Connector	Terminal		
B179	1	Ground	0 V
	2		

Rear woofer RH

Terminals			
(+)		(–)	Voltage (Approx.)
Rear woofer RH			
Connector	Terminal		
B180	1	Ground	0 V
	2		

Is the inspection result normal?

YES >> Replace rear woofer LH or RH. Refer to AV-448, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

POWER SUPPLY AND GROUND CIRCUIT
DISPLAY CONTROL UNIT

DISPLAY CONTROL UNIT : Diagnosis Procedure

INFOID:0000000013717404

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check that the following fuse is not blown (open).

2.0L turbo gasoline engine

Power source	Fuse No.	Capacity
Battery	#84	15 A
Ignition switch ACC	#93*	10 A
Ignition switch ON	#77	10 A

*: Without navigation system

VR30DDTT

Power source	Fuse No.	Capacity
Battery	#7	15 A
Ignition switch ACC	#1*	10 A
Ignition switch ON	#14	5 A

*: Without navigation system

Is the fuse blown (open)?

YES >> Replace fuse after repairing the applicable circuit.
NO >> GO TO 2.

2.CHECK DISPLAY CONTROL UNIT BATTERY POWER SUPPLY

1. Turn ignition switch OFF.
2. Disconnect display control unit harness connector.
3. Check the voltage between display control unit harness connector and ground.

Terminals			Voltage
(+)		(−)	
Display control unit			
Connector	Terminal		
M100	34	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 3.
NO >> Perform trouble diagnosis for battery power supply circuit.

3.CHECK DISPLAY CONTROL UNIT ACCESSORY POWER SUPPLY

1. Turn ignition switch ON.
2. Check the voltage between display control unit harness connector and ground.

Terminals			Voltage
(+)		(−)	
Display control unit			
Connector	Terminal		
M100	33	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 4.

NO >> Perform trouble diagnosis for accessory power supply circuit.

4.CHECK DISPLAY CONTROL UNIT IGNITION POWER SUPPLY

Check the voltage between display control unit harness connector and ground.

Terminals			Voltage
(+)		(−)	
Display control unit			
Connector	Terminal		
M100	30	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 5.
NO >> Perform trouble diagnosis of ignition power supply circuit.

5.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check the continuity between display control unit and ground.

Terminals			Continuity
(+)		(−)	
Display control unit			
Connector	Terminal		
M100	22	Ground	Existed

Is the inspection result normal?

YES >> INSPECTION END
NO >> Repair or replace malfunctioning parts.

AV CONTROL UNIT

AV CONTROL UNIT : Diagnosis Procedure

INFOID:0000000013717405

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check that the following fuse is not blown (open)

2.0L turbo gasoline engine

Power source	Fuse No.	Capacity
Battery	#84	15 A
Ignition switch ACC	#93*	10 A

*: Without navigation system

VR30DDTT

Power source	Fuse No.	Capacity
Battery	#7	15 A
Ignition switch ACC	#1*	10 A

*: Without navigation system

Is the fuse blown (open)?

YES >> Replace fuse after repairing the applicable circuit.
NO >> GO TO 2.

2.CHECK AV CONTROL UNIT BATTERY POWER SUPPLY

1. Turn ignition switch OFF.
2. Disconnect AV control unit harness connector.

3. Check the voltage between AV control unit harness connector and ground.

Terminals			Voltage
(+)		(−)	
AV control unit			
Connector	Terminal		
M163	19	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 3.
NO >> Perform trouble diagnosis for battery power supply circuit.

3.CHECK AV CONTROL UNIT ACCESSORY POWER SUPPLY

1. Turn ignition switch ON.
2. Check the voltage between AV control unit harness connector and ground.

Terminals			Voltage
(+)		(−)	
AV control unit			
Connector	Terminal		
M163	7	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 4.
NO >> Perform trouble diagnosis for accessory power supply circuit.

4.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check the continuity between AV control unit and ground.

Terminals			Continuity
(+)		(−)	
AV control unit			
Connector	Terminal		
M163	20	Ground	Existed

Is the inspection result normal?

YES >> INSPECTION END
NO >> Repair or replace malfunctioning parts.

NAVI CONTROL UNIT

NAVI CONTROL UNIT : Diagnosis Procedure

INFOID:0000000013717406

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check that the following fuse is not blown (open).

2.0L turbo gasoline engine

Power source	Fuse No.	Capacity
Battery	#84	15 A
Ignition switch ON	#77	10 A

VR30DDTT

Power source	Fuse No.	Capacity
Battery	#7	15 A
Ignition switch ON	#12	10 A

Is the fuse blown (open)?

YES >> Replace fuse after repairing the applicable circuit.
NO >> GO TO 2.

2.CHECK NAVI CONTROL UNIT BATTERY POWER SUPPLY

1. Turn ignition switch OFF.
2. Disconnect NAVI control unit harness connector.
3. Check the voltage between NAVI control unit harness connector and ground.

Terminals			Voltage
(+)		(–)	
NAVI control unit			
Connector	Terminal		
M60	1	Ground	Battery voltage
	15		

Is the inspection result normal?

YES >> GO TO 3.
NO >> Perform trouble diagnosis for battery power supply circuit.

3.CHECK NAVI CONTROL UNIT ACCESSORY POWER SUPPLY

1. Turn ignition switch ON.
2. Check the voltage between NAVI control unit harness connector and ground.

Terminals			Voltage
(+)		(–)	
NAVI control unit			
Connector	Terminal		
M60	5	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 4.
NO >> Perform trouble diagnosis for accessory power supply circuit.

4.CHECK NAVI CONTROL UNIT IGNITION POWER SUPPLY

Check the voltage between NAVI control unit harness connector and ground.

Terminals			Voltage
(+)		(–)	
NAVI control unit			
Connector	Terminal		
M60	19	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 5.
NO >> Perform trouble diagnosis of ignition power supply circuit.

5.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check the continuity between NAVI control unit and ground.

Terminals			Continuity
(+)		(−)	
NAVI control unit			
Connector	Terminal		
M60	3	Ground	Existed
	17		

Is the inspection result normal?

YES >> INSPECTION END
NO >> Repair or replace malfunctioning parts.

BOSE AMP.

BOSE AMP. : Diagnosis Procedure

INFOID:0000000013717407

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check that the following fuse is not blown (open).

2.0L turbo gasoline engine

Power source	Fuse No.	Capacity
Battery	#82	15 A
	#86	15 A
Ignition switch ACC or ON	#93*	10 A

*: Without navigation system

VR30DDTT

Power source	Fuse No.	Capacity
Battery	#3	15 A
	#5	15 A
Ignition switch ACC or ON	#1*	10 A

*: Without navigation system

Is the fuse blown (open)?

YES >> Replace fuse after repairing the applicable circuit.
NO >> GO TO 2.

2.CHECK BOSE AMP. BATTERY POWER SUPPLY

Check the voltage between BOSE amp. harness connector and ground.

Terminals			Voltage
(+)		(−)	
BOSE amp.			
Connector	Terminal		
B53	10	Ground	Battery voltage
	11		

Is the inspection result normal?

YES >> GO TO 3.
NO >> Perform trouble diagnosis for battery power supply circuit.

3.CHECK BOSE AMP. ACCESSORY POWER SUPPLY

1. Turn ignition switch ON.
2. Check the voltage between BOSE amp. harness connector and ground.

Terminals			Voltage
(+)		(–)	
BOSE amp.			
Connector	Terminal		
B55	56	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 4.
NO >> Perform trouble diagnosis for accessory power supply circuit.

4.CHECK BOSE AMP. GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BOSE amp. harness connector.
3. Check the continuity between BOSE amp. harness connector and ground.

Terminals			Continuity
(+)		(–)	
BOSE amp.			
Connector	Terminal		
B53	7	Ground	Existed
	12		

Is the inspection result normal?

YES >> INSPECTION END
NO >> Repair or replace malfunctioning parts.

INTEGRAL SWITCH

INTEGRAL SWITCH : Diagnosis Procedure

INFOID:0000000013717408

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check that the following fuse is not blown (open).

2.0L turbo gasoline engine

Power source	Fuse No.	Capacity
Ignitions switch ACC	#93	10 A
Ignition switch ON	#77	10 A

VR30DDTT

Power source	Fuse No.	Capacity
Ignitions switch ACC	#1	10 A
Ignition switch ON	#11	5 A

Is the fuse blown (open)?

YES >> Replace fuse after repairing the applicable circuit.
NO >> GO TO 2.

2.CHECK INTEGRAL SWITCH ACCESSORY POWER SUPPLY

1. Turn ignition switch ON.
2. Check the voltage between integral switch harness connector and ground.

Terminals			Voltage
(+)		(–)	
Integral switch			
Connector	Terminal		
M1	14	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 3.
NO >> Perform trouble diagnosis for accessory power supply circuit.

3.CHECK INTEGRAL SWITCH IGNITION POWER SUPPLY

Check the voltage between integral switch harness connector and ground.

Terminals			Voltage
(+)		(–)	
Integral switch			
Connector	Terminal		
M1	18	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 4.
NO >> Perform trouble diagnosis of ignition power supply circuit.

4.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check the continuity between integral switch and ground.

Terminals			Continuity
(+)		(–)	
Integral switch			
Connector	Terminal		
M1	13	Ground	Existed

Is the inspection result normal?

YES >> INSPECTION END
NO >> Repair or replace malfunctioning parts.

ACTIVE NOISE CONTROL UNIT

ACTIVE NOISE CONTROL UNIT : Diagnosis Procedure

INFOID:0000000013717409

1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check that the following fuse is not blown (open).

2.0L turbo gasoline engine

Power source	Fuse No.	Capacity
Battery	#86	15 A
Ignition switch ACC	#93	10 A
Ignition switch ON	#77	10 A

VR30DDTT

Power source	Fuse No.	Capacity
Battery	#5	15 A
Ignition switch ACC	#1	10 A
Ignition switch ON	#12	10 A

Is the fuse blown (open)?

YES >> Replace fuse after repairing the applicable circuit.
NO >> GO TO 2.

2.CHECK ACTIVE NOISE CONTROL UNIT BATTERY POWER SUPPLY

Check the voltage between active noise control unit harness connector and ground.

Terminals			Voltage
(+)		(–)	
Active noise control unit			
Connector	Terminal		
B49	32	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 3.
NO >> Perform trouble diagnosis for battery power supply circuit.

3.CHECK ACTIVE NOISE CONTROL UNIT ACCESSORY POWER SUPPLY

1. Turn ignition switch ON.
2. Check the voltage between active noise control unit harness connector and ground.

Terminals			
(+)		(–)	Voltage
Active noise control unit			
Connector	Terminal		
B49	16	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 4.
NO >> Perform trouble diagnosis for accessory power supply circuit.

4.CHECK ACTIVE NOISE CONTROL UNIT IGNITION POWER SUPPLY

Check the voltage between active noise control unit harness connector and ground.

Terminals			
(+)		(–)	Voltage
Active noise control unit			
Connector	Terminal		
B49	20	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 5.
NO >> Perform trouble diagnosis for ignition power supply circuit.

5.CHECK ACTIVE NOISE CONTROL UNIT GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect active noise control unit harness connector.
3. Check the continuity between active noise control unit harness connector and ground.

Terminals			
(+)		(−)	Voltage
Active noise control unit			
Connector	Terminal		
B49	23	Ground	Existed

Is the inspection result normal?

YES >> INSPECTION END
NO >> Repair or replace malfunctioning parts.

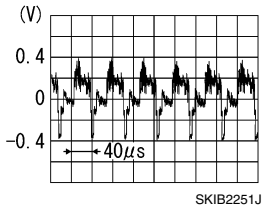
COMPOSITE IMAGE SIGNAL CIRCUIT

Diagnosis Procedure

INFOID:0000000013717410

1.CHECK COMPOSITE IMAGE SIGNAL

1. Turn ignition switch ON.
2. Check the signal between display control unit harness connector as per the following condition.

Display control unit			Condition	Reference value
Connector	Terminals (+)	Terminals (–)		
	Terminal			
M101	56	36	[Ignition switch ON] Image is displayed	 SKIB2251J

Is the inspection result normal?

YES >> Replace display control unit. Refer to AV-431, "Removal and Installation".
NO >> GO TO 2.

2.CHECK COMPOSITE IMAGE SIGNAL CIRCUIT FOR OPEN

1. Turn ignition switch OFF.
2. Disconnect display control unit harness connector and AV control unit harness connector.
3. Check the continuity between display control unit harness connector and AV control unit harness connector.

Display control unit		AV control unit		Continuity
Connector	Terminal	Connector	Terminal	
M101	56	M164	38	Existed
	36		39	

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3.CHECK COMPOSITE IMAGE SIGNAL CIRCUIT FOR SHORT

Check the continuity between display control unit harness connector and ground.

Terminals			Continuity
(+)		(–)	
Display control unit			
Connector	Terminal		
M101	56	Ground	Not existed

Is the inspection result normal?

YES >> GO TO 4.
NO >> Repair or replace malfunctioning parts.

4.CHECK COMPOSITE IMAGE SIGNAL GROUND CIRCUIT

Check the continuity between display control unit harness connector and AV control unit harness connector.

Display control unit		AV control unit		Continuity
Connector	Terminal	Connector	Terminal	
M101	55	M164	40	Existed

Is the inspection result normal?

YES >> Replace AV control unit. Refer to AV-432, "Removal and Installation".
NO >> Repair or replace malfunctioning parts.

DISK EJECT SIGNAL CIRCUIT

Description

INFOID:0000000013717411

The eject signal is output to AV control unit when the eject switch of integral switch is pressed.

Diagnosis Procedure

INFOID:0000000013717412

1.CHECK DISK EJECT SIGNAL

1. Turn ignition switch ON.
2. Check the voltage between AV control unit harness connector terminals.

AV control unit			Condition	Voltage (Approx.)
Connector	Terminals (+)	Terminals (–)		
	Terminal			
M163	8	9	Pressing the eject switch	0 V
			Except for above	3.3 V

Is the inspection result normal?

YES >> Replace AV control unit. Refer to AV-432, "Removal and Installation".
NO >> GO TO 2.

2.CHECK DISK EJECT SIGNAL CIRCUIT FOR OPEN

1. Turn ignition switch OFF.
2. Disconnect AV control unit harness connector and integral switch harness connector.
3. Check the continuity between AV control unit harness connector and integral switch harness connector.

AV control unit		Integral switch		Continuity
Connector	Terminal	Connector	Terminal	
M163	8	M1	7	Existed

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair or replace malfunctioning parts.

3.CHECK DISK EJECT SIGNAL CIRCUIT FOR SHORT

Check the continuity between AV control unit harness connector and ground.

AV control unit		Ground	Continuity
Connector	Terminal		
M163	8		Not existed

Is the inspection result normal?

YES >> GO TO 4.
NO >> Repair or replace malfunctioning parts.

4.CHECK DISK EJECT SIGNAL GROUND CIRCUIT

Check the continuity between AV control unit harness connector and integral switch harness connector.

AV control unit		Integral switch		Continuity
Connector	Terminal	Connector	Terminal	
M163	9	M1	16	Existed

Is the inspection result normal?

YES >> Replace integral switch. Refer to AV-435, "Removal and Installation".

NO >> Repair or replace malfunctioning parts.