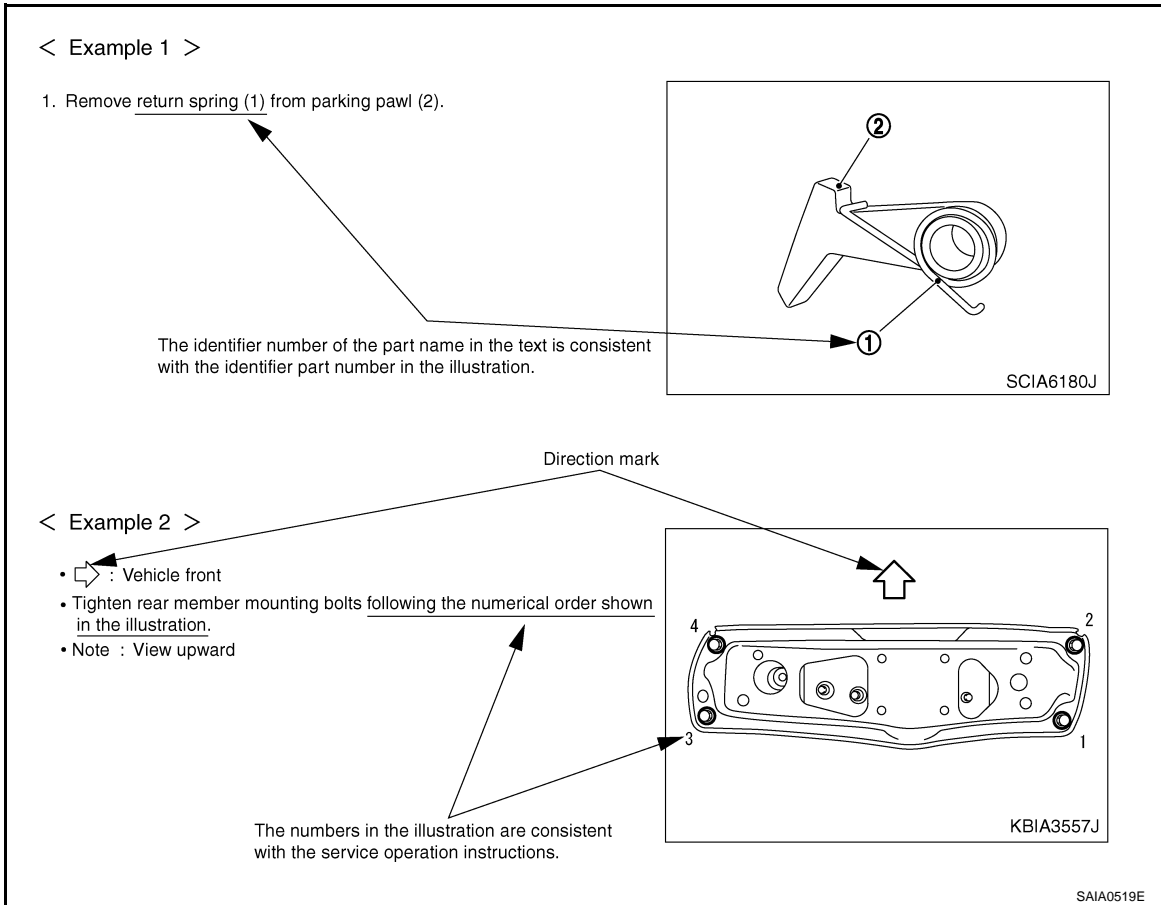


HOW TO USE THIS MANUAL

< HOW TO USE THIS MANUAL >

The following sample explains the relationship between the part description in an illustration, the part name in the text and the service procedures.



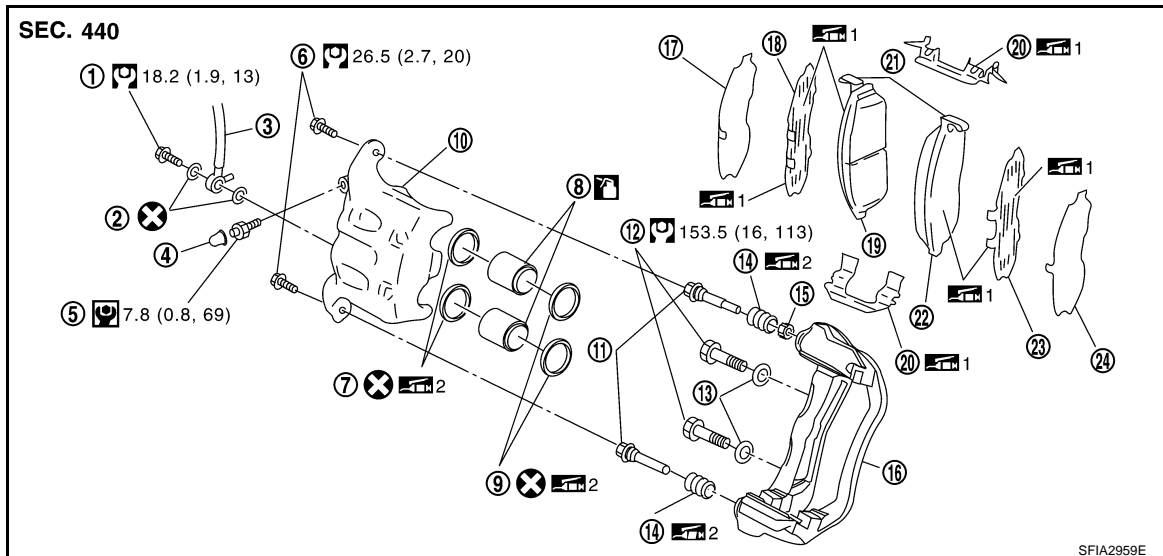
Components

INFOID:000000000990212

- **THE LARGE ILLUSTRATIONS** are exploded views (see the following) and contain tightening torques, lubrication points, section number of the **PARTS CATALOG** (e.g. SEC. 440) and other information necessary to perform repairs.

The illustrations should be used in reference to service matters only. When ordering parts, refer to the appropriate **PARTS CATALOG**.

Components shown in an illustration may be identified by a circled number. When this style of illustration is used, the text description of the components will follow the illustration.

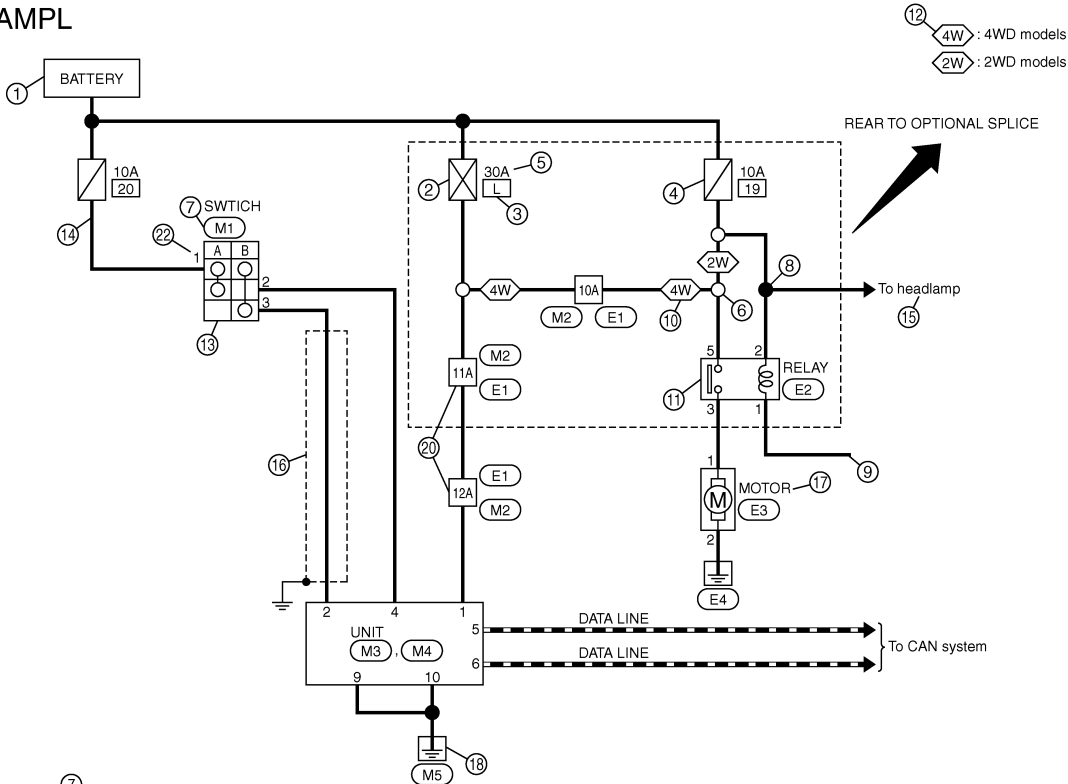


HOW TO READ WIRING DIAGRAMS

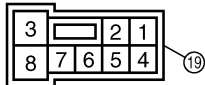
< HOW TO USE THIS MANUAL >

- For detail, refer to following [GI-10. "Description"](#).

EXAMPL

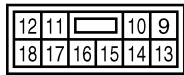


Connector No.	M3
Connector Name	UNIT
Connector Type	NS06FW-M2



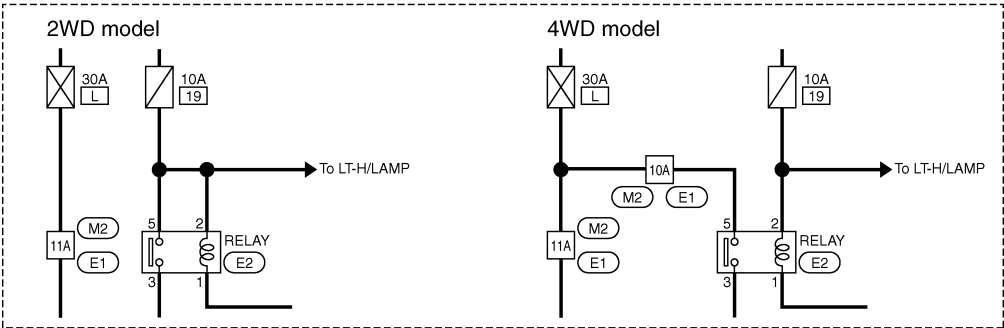
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	BAT
2	G	SWITCH B
4	V	SWITCH A
5	L	CAN-H
6	P	CAN-L

Connector No.	M4
Connector Name	UNIT
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
9	B	GND
10	B	GND

Optional splice



JCAWA0005GE

Description

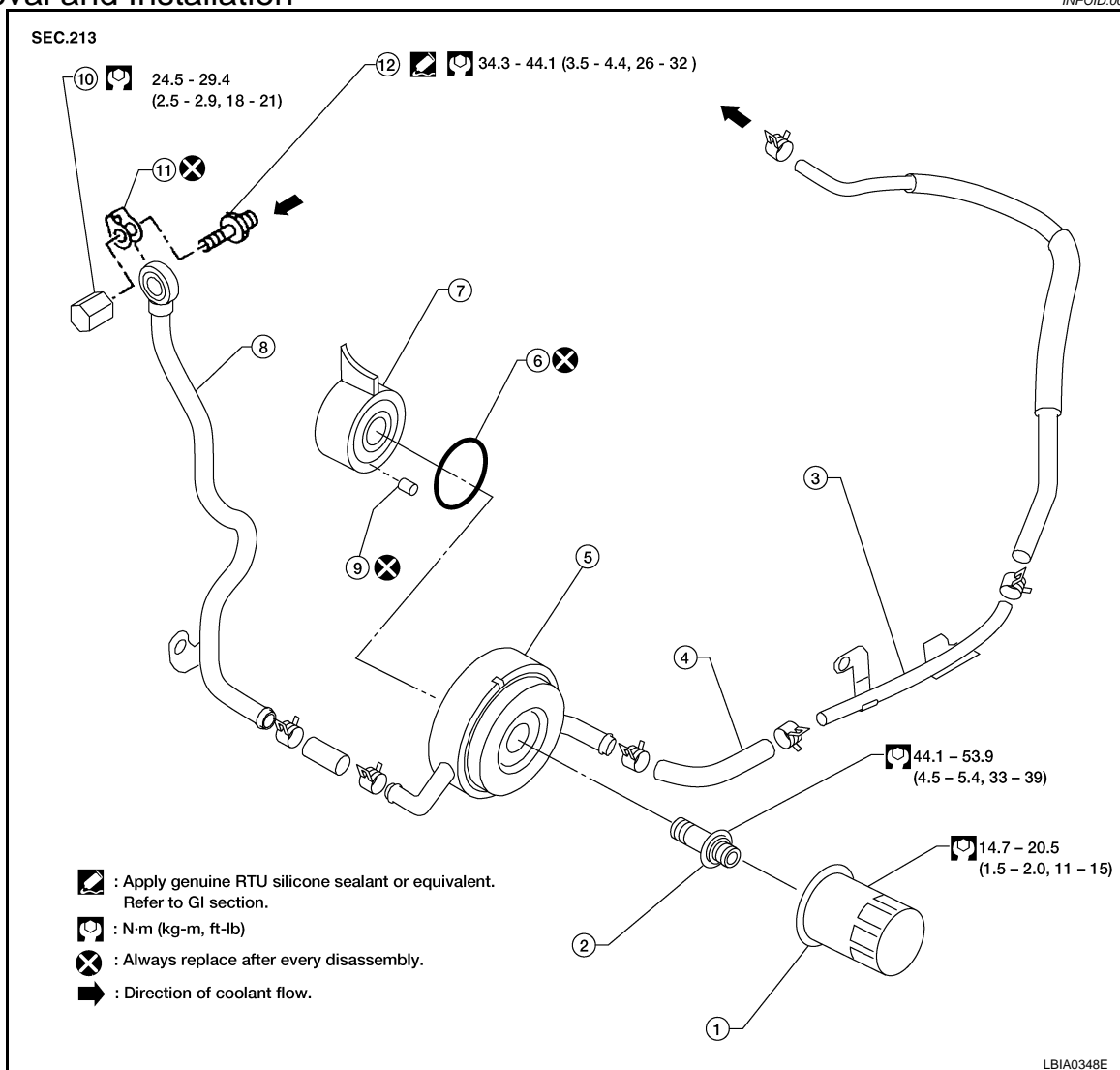
INFOID:000000000990218

Number	Item	Description
1	Power supply	• This means the power supply of fusible link or fuse.
2	Fusible link	• "X" means the fusible link.

OIL COOLER

Removal and Installation

INFOID:000000000990373



- | | | |
|----------------------|--------------------|---------------------|
| 1. Oil filter | 2. Oil cooler bolt | 3. Water pipe |
| 4. Water hose | 5. Oil cooler | 6. O-ring |
| 7. Oil pan | 8. Water pipe | 9. Relief valve |
| 10. Water drain plug | 11. Copper gasket | 12. Water connector |

REMOVAL

1. Drain engine oil. Refer to [LU-20](#).
2. Drain engine coolant. Refer to [CO-33. "Changing Engine Coolant"](#).
• **Do not spill coolant on the drive belt.**
3. Remove the oil filter and the oil cooler.

INSPECTION AFTER REMOVAL

1. Check oil cooler for cracks.
2. Check oil cooler for clogging by blowing through coolant inlet. If necessary, replace oil cooler assembly.

Oil Pressure Relief Valve

Inspect oil pressure relief valve for movement, cracks and breaks by pushing the ball. If replacement is necessary, remove valve by prying it out with a suitable tool. Install a new valve in place by tapping it.

INSTALLATION

Installation is in reverse order of removal.

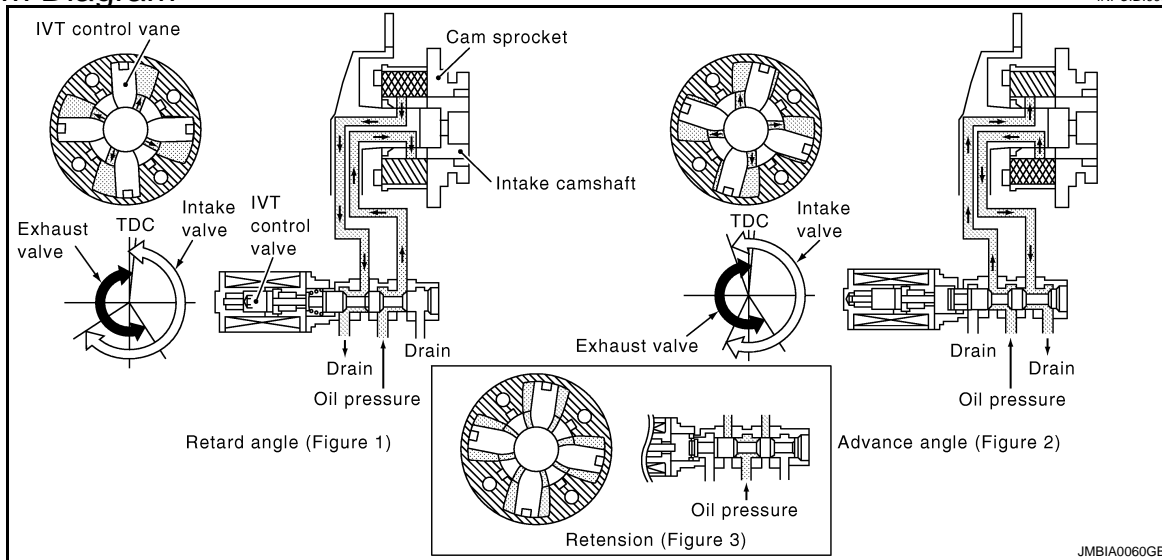
INTAKE VALVE TIMING CONTROL

< FUNCTION DIAGNOSIS >

[QR25DE FOR CALIFORNIA]

INTAKE VALVE TIMING CONTROL

System Diagram



System Description

INFOID:000000000991038

INPUT/OUTPUT SIGNAL CHART

Sensor	Input signal to ECM	ECM function	Actuator
Crankshaft position sensor (POS)	Engine speed and piston position	Intake valve timing control	Intake valve timing control solenoid valve
Camshaft position sensor (PHASE)			
Engine coolant temperature sensor	Engine coolant temperature		
Wheel sensor*	Vehicle speed		

*: This signal is sent to the ECM through CAN communication line

SYSTEM DESCRIPTION

This mechanism hydraulically controls cam phases continuously with the fixed operating angle of the intake valve.

The ECM receives signals such as crankshaft position, camshaft position, engine speed, and engine coolant temperature. Then, the ECM sends ON/OFF pulse duty signals to the intake valve timing (IVT) control solenoid valve depending on driving status. This makes it possible to control the shut/open timing of the intake valve to increase engine torque in low/mid speed range and output in high-speed range.

Component Parts Location

INFOID:000000000991039

P0130 A/F SENSOR 1

Description

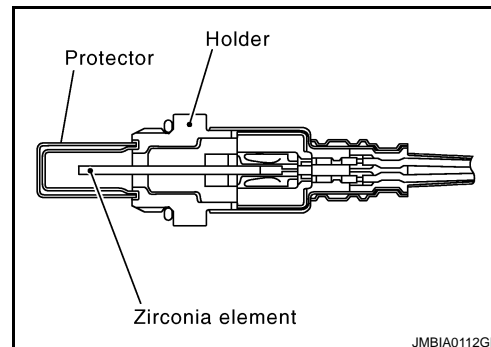
INFOID:000000000991110

The air fuel ratio (A/F) sensor 1 is a planar one-cell limit current sensor. The sensor element of the A/F sensor 1 is composed an electrode layer, which transports ions. It has a heater in the element.

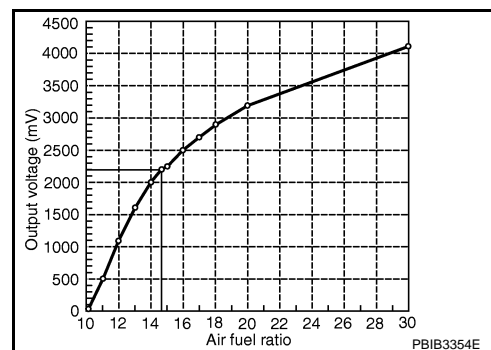
The sensor is capable of precise measurement $\lambda = 1$, but also in the lean and rich range. Together with its control electronics, the sensor outputs a clear, continuous signal throughout a wide λ range.

The exhaust gas components diffuse through the diffusion layer at the sensor cell. An electrode layer is applied voltage, and this current relative oxygen density in lean. Also this current relative hydrocarbon density in rich.

Therefore, the A/F sensor 1 is able to indicate air fuel ratio by this electrode layer of current. In addition, a heater is integrated in the sensor to ensure the required operating temperature of about 800°C (1,472°F).



JMBIA0112GB



PBIB3354E

DTC Logic

INFOID:000000000991111

DTC DETECTION LOGIC

To judge the malfunction, the diagnosis checks that the A/F signal computed by ECM from the A/F sensor 1 signal fluctuates according to fuel feedback control.

DTC No.	Trouble diagnosis name	DTC detecting condition		Possible Cause
P0130	Air fuel ratio (A/F) sensor 1 circuit	A)	The A/F signal computed by ECM from the A/F sensor 1 signal is constantly in the range other than approx. 2.2V.	<ul style="list-style-type: none"> • Harness or connectors (The A/F sensor 1 circuit is open or shorted.) • A/F sensor 1
		B)	The A/F signal computed by ECM from the A/F sensor 1 signal is constantly approx. 2.2V.	

DTC CONFIRMATION PROCEDURE

1. PRECONDITIONING

If DTC Confirmation Procedure has been previously conducted, always turn ignition switch OFF and wait at least 10 seconds before conducting the next test.

TESTING CONDITION:

Before performing the following procedure, confirm that battery voltage is more than 11V at idle.

>> GO TO 2..

2. PERFORM DTC CONFIRMATION PROCEDURE FOR MALFUNCTION A

④ With CONSULT-III

1. Start engine and warm it up to normal operating temperature.
2. Let it idle for 2 minutes.
3. Check 1st trip DTC.

Is 1st trip DTC detected?

YES >> Go to [EC-702, "Diagnosis Procedure"](#).

NO-1 >> With CONSULT-III: GO TO 3..

P0461 FUEL LEVEL SENSOR

[QR25DE FOR CALIFORNIA]

< COMPONENT DIAGNOSIS >

1. Prepare a fuel container and a spare hose.
2. Release fuel pressure from fuel line, refer to [EC-1038, "Inspection"](#).
3. Remove the fuel feed hose on the fuel level sensor unit.
4. Connect a spare fuel hose where the fuel feed hose was removed.
5. Turn ignition switch OFF and wait at least 10 seconds then turn ON.
6. Select "FUEL LEVEL SE" in "DATA MONITOR" mode with CONSULT-III.
7. Check "FUEL LEVEL SE" output voltage and note it.
8. Select "FUEL PUMP RELAY" in "ACTIVE TEST" mode with CONSULT-III.
9. Touch "ON" and drain fuel approximately 30 ℓ (7-7/8 US gal, 6-5/8 Imp gal) and stop it.
10. Check "FUEL LEVEL SE" output voltage and note it.
11. Fill fuel into the fuel tank for 30 ℓ (7-7/8 US gal, 6-5/8 Imp gal).
12. Check "FUEL LEVEL SE" output voltage and note it.
13. Confirm whether the voltage changes more than 0.03V during step 7 to 10 and 10 to 12.

Is the inspection result normal?

- YES >> INSPECTION END
NO >> Go to [EC-847, "Diagnosis Procedure"](#).

3.PERFORM COMPONENT FUNCTION CHECK

 Without CONSULT-III

NOTE:

Start from step 8, if it is possible to confirm that the fuel cannot be drained by 30 ℓ (7-7/8 US gal, 6-5/8 Imp gal) in advance.

1. Prepare a fuel container and a spare hose.
2. Release fuel pressure from fuel line. Refer to [EC-1038, "Inspection"](#).
3. Remove the fuel feed hose on the fuel level sensor unit.
4. Connect a spare fuel hose where the fuel feed hose was removed.
5. Turn ignition switch ON.
6. Drain fuel by 30 ℓ (7-7/8 US gal, 6-5/8 Imp gal) from the fuel tank using proper equipment.
7. Confirm that the fuel gauge indication varies.
8. Fill fuel into the fuel tank for 30 ℓ (7-7/8 US gal, 6-5/8 Imp gal).
9. Confirm that the fuel gauge indication varies.

Is the inspection result normal?

- YES >> INSPECTION END
NO >> Go to [EC-847, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000000991235

1.CHECK COMBINATION METER FUNCTION

Refer to [MWI-25, "Component Function Check"](#).

Is the inspection result normal?

- YES >> GO TO 2..
NO >> Go to [MWI-25, "Diagnosis Procedure"](#)

2.CHECK INTERMITTENT INCIDENT

Refer to [GI-39, "Intermittent Incident"](#).

>> INSPECTION END

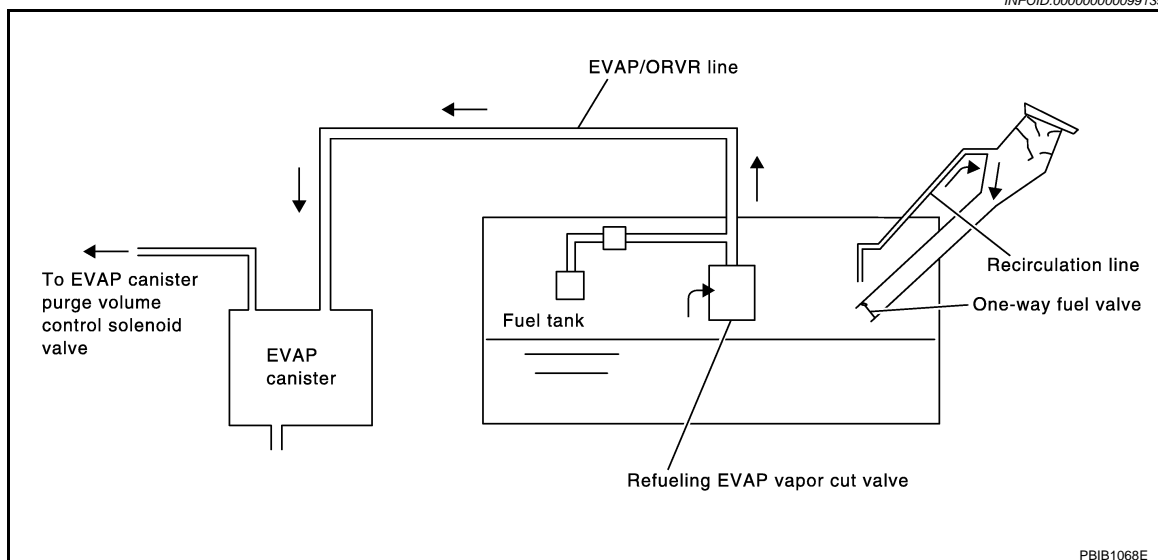
ON BOARD REFUELING VAPOR RECOVERY (ORVR)

< COMPONENT DIAGNOSIS >

[QR25DE FOR CALIFORNIA]

ON BOARD REFUELING VAPOR RECOVERY (ORVR)

Description



From the beginning of refueling, the air and vapor inside the fuel tank go through refueling EVAP vapor cut valve and EVAP/ORVR line to the EVAP canister. The vapor is absorbed by the EVAP canister and the air is released to the atmosphere.

When the refueling has reached the full level of the fuel tank, the refueling EVAP vapor cut valve is closed and refueling is stopped because of auto shut-off. The vapor which was absorbed by the EVAP canister is purged during driving.

WARNING:

When conducting inspections below, be sure to observe the following:

- Put a "CAUTION: FLAMMABLE" sign in workshop.
- Do not smoke while servicing fuel system. Keep open flames and sparks away from work area.
- Be sure to furnish the workshop with a CO₂ fire extinguisher.

CAUTION:

- Before removing fuel line parts, carry out the following procedures:
 - Put drained fuel in an explosion-proof container and put lid on securely.
 - Release fuel pressure from fuel line. Refer to [EC-1038, "Inspection"](#).
 - Disconnect battery ground cable.
 - Always replace O-ring when the fuel gauge retainer is removed.
 - Do not kink or twist hose and tube when they are installed.
 - Do not tighten hose and clamps excessively to avoid damaging hoses.
 - After installation, run engine and check for fuel leaks at connection.
 - Do not attempt to top off the fuel tank after the fuel pump nozzle shuts off automatically.
- Continued refueling may cause fuel overflow, resulting in fuel spray and possibly a fire.

Component Function Check

INFOID:0000000000991400

1. CHECK ORVR FUNCTION

Check whether the following symptoms are present.

- Fuel odor from EVAP canister is strong.
- Cannot refuel/Fuel odor from the fuel filler opening is strong while refueling.

Is any symptom present?

YES >> Go to [EC-973, "Diagnosis Procedure"](#).

NO >> INSPECTION END

Diagnosis Procedure

INFOID:0000000000991401

1. INSPECTION START

Check whether the following symptoms are present.

A: Fuel odor from EVAP canister is strong.

TROUBLE DIAGNOSIS - SPECIFICATION VALUE

< COMPONENT DIAGNOSIS >

[QR25DE EXCEPT FOR CALIFORNIA]

2. Disconnect ECM harness connector. Check pin terminal and connector for damage, and then reconnect it.

>> GO TO 16..

16.CHECK "A/F ALPHA-B1"

1. Start engine.
2. Select "A/F ALPHA-B1" in "SPEC" of "DATA MONITOR" mode, and make sure that the indication is within the SP value.

Is the measurement value within the SP value?

YES >> INSPECTION END

NO >> Detect malfunctioning part according to [EC-1495. "Symptom Table"](#).

17.CHECK "B/FUEL SCHDL"

Select "B/FUEL SCHDL" in "SPEC" of "DATA MONITOR" mode, and make sure that the indication is within the SP value.

Is the measurement value within the SP value?

YES >> INSPECTION END

NO-1 >> More than the SP value: GO TO 18..

NO-2 >> Less than the SP value: GO TO 25..

18.DETECT MALFUNCTIONING PART

1. Check for the cause of large engine friction. Refer to the following.
 - Engine oil level is too high
 - Engine oil viscosity
 - Belt tension of power steering, alternator, A/C compressor, etc. is excessive
 - Noise from engine
 - Noise from transmission, etc.
2. Check for the cause of insufficient combustion. Refer to the following.
 - Valve clearance malfunction
 - Intake valve timing control function malfunction
 - Camshaft sprocket installation malfunction, etc.

>> Repair or replace malfunctioning part, and then GO TO 30..

19.CHECK INTAKE SYSTEM

Check for the cause of uneven air flow through mass air flow sensor. Refer to the following.

- Crushed air ducts
- Malfunctioning seal of air cleaner element
- Uneven dirt of air cleaner element
- Improper specification of intake air system

Is the inspection result normal?

YES >> GO TO 21..

NO >> Repair or replace malfunctioning part, and then GO TO 20..

20.CHECK "A/F ALPHA-B1", AND "B/FUEL SCHDL"

Select "A/F ALPHA-B1" and "B/FUEL SCHDL" in "SPEC" of "DATA MONITOR" mode, and make sure that the each indication is within the SP value.

Is the measurement value within the SP value?

YES >> **INSPECTION END**

NO >> "B/FUEL SCHDL" is more, "A/F ALPHA-B1" is less than the SP value: GO TO 21..

21.DISCONNECT AND RECONNECT MASS AIR FLOW SENSOR HARNESS CONNECTOR

1. Stop the engine.
2. Disconnect mass air flow sensor harness connector. Check pin terminal and connector for damage and then reconnect it again.

>> GO TO 22..

P0740 TORQUE CONVERTER CLUTCH SOLENOID VALVE

< COMPONENT DIAGNOSIS >

[CVT: RE0F09B]

TCM connector		CVT unit harness connector		Continuity
Connector	Terminal	Connector	Terminal	
F16	38	F46	12	Existed

4. If OK, check harness for short to ground and short to power.
5. If OK, check continuity between ground and CVT assembly.
6. Reinstall any part removed.

Is the inspection result normal?

YES >> GO TO 3..

NO >> Repair or replace damaged parts.

3.CHECK TORQUE CONVERTER CLUTCH SOLENOID VALVE

Check torque converter clutch solenoid valve. Refer to [TM-138, "Component Inspection"](#)

Is the inspection result normal?

YES >> GO TO 4..

NO >> Repair or replace damaged parts.

4.CHECK TCM

Check TCM input/output signals. Refer to [TM-181, "Reference Value"](#).

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-39, "Intermittent Incident"](#).

NO >> Replace the TCM. Refer to [TM-228, "Exploded View"](#).

Component Inspection

INFOID:000000000991985

TORQUE CONVERTER CLUTCH SOLENOID VALVE

1.TORQUE CONVERTER CLUTCH SOLENOID VALVE

1. Turn ignition switch OFF.
2. Disconnect CVT unit harness connector.
3. Check resistance between CVT unit harness connector terminal and ground.

CVT unit harness connector		Ground	Resistance (Approx.)
Connector	Terminal		
F46	12		3.0 – 9.0 Ω

Is the inspection result normal?

YES >> **INSPECTION END**

NO >> Replace the transaxle assembly. Refer to [TM-233, "Exploded View"](#).

ABS

[ABS]

< FUNCTION DIAGNOSIS >

Display item	Malfunction detecting condition	Check item
RR LH IN ABS SOL [C1124]	When the control unit detects a malfunction in the rear left inlet solenoid circuit.	BRC-32, "Diagnosis Procedure"
RR LH OUT ABS SOL [C1125]	When the control unit detects a malfunction in the rear left outlet solenoid circuit.	BRC-34, "Diagnosis Procedure"
RR RH IN ABS SOL [C1126]	When the control unit detects a malfunction in the rear right inlet solenoid circuit.	BRC-32, "Diagnosis Procedure"
RR RH OUT ABS SOL [C1127]	When the control unit detects a malfunction in the rear right outlet solenoid circuit.	BRC-34, "Diagnosis Procedure"
CAN COMM CIRCUIT [U1000] ^{*3}	When there is a malfunction in the CAN communication circuit.	BRC-36, "Diagnosis Procedure"

*1: Be sure to confirm the ABS warning lamp illuminates when the ignition switch is turned ON after repairing the shorted sensor circuit, but the lamp turns off when driving the vehicle over 30 km/h (19 MPH) for approximately 1 minute in accordance with SELF-DIAGNOSIS PROCEDURE.

*2: When "CONTROLLER FAILURE" is displayed, check to see if the ABS warning lamp is burned out, and check the circuit between the ABS warning lamp and ABS actuator and electric unit (control unit) for open or short. Then, check the ABS actuator and electric unit (control unit) and circuit.

*3: When malfunctions are detected in several systems, including CAN communication circuit [U1000], troubleshoot CAN communication circuit first. Refer to [BRC-36, "Diagnosis Procedure"](#).

DATA MONITOR

Display Item List

CAUTION:

The display shows the control unit calculation data, so a normal value might be displayed even in the event the output circuit (harness) is open or short - circuited.

Item (Unit)	Data monitor item selection			Remarks
	ECU INPUT SIGNALS	MAIN SIG- NALS	SELECTION FROM MENU	
FR LH SENSOR (km/h)	×	×	×	Wheel speed calculated by front LH wheel sensor signal is displayed.
FR RH SENSOR (km/h)	×	×	×	Wheel speed calculated by front RH wheel sensor signal is displayed.
RR LH SENSOR (km/h)	×	×	×	Wheel speed calculated by rear LH wheel sensor signal is displayed.
RR RH SENSOR (km/h)	×	×	×	Wheel speed calculated by rear RH wheel sensor signal is displayed.
STOP LAMP SW (ON/OFF)	×	×	×	Stop lamp switch (ON/OFF) status is displayed.
BATTERY VOLT (V)	×	×	×	Voltage supplied to ABS actuator and electric unit (control unit) is displayed.
FR RH IN SOL (ON/OFF)	—	×	×	Front RH IN ABS solenoid (ON/OFF) status is displayed.
FR RH OUT SOL (ON/OFF)	—	×	×	Front RH OUT ABS solenoid (ON/OFF) status is displayed.
FR LH IN SOL (ON/OFF)	—	×	×	Front LH IN ABS solenoid (ON/OFF) status is displayed.
FR LH OUT SOL (ON/OFF)	—	×	×	Front LH OUT ABS solenoid (ON/OFF) status is displayed.
RR RH IN SOL (ON/OFF)	—	×	×	Rear RH IN ABS solenoid (ON/OFF) status is displayed.
RR RH OUT SOL (ON/OFF)	—	×	×	Rear RH OUT ABS solenoid (ON/OFF) status is displayed.
RR LH IN SOL (ON/OFF)	—	×	×	Rear LH IN ABS solenoid (ON/OFF) status is displayed.

REFRIGERATION SYSTEM

< FUNCTION DIAGNOSIS >

FUNCTION DIAGNOSIS

REFRIGERATION SYSTEM

Refrigerant Cycle

INFOID:000000000993113

Refrigerant flow

The refrigerant flows in the standard pattern, that is, through the compressor, the condenser with liquid tank, through the evaporator, and back to the compressor. The refrigerant evaporation through the evaporator coil is controlled by an externally equalized expansion valve, located inside the evaporator case.

Refrigerant System Protection

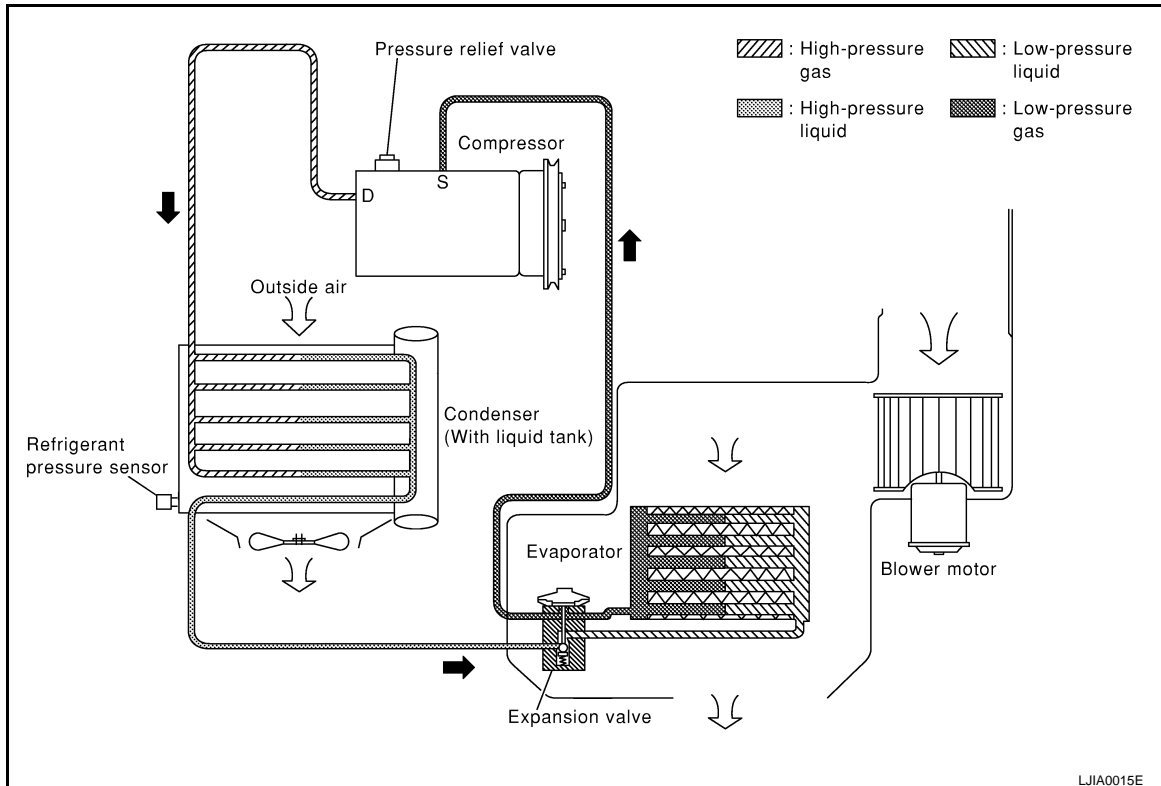
INFOID:000000000993114

Refrigerant pressure sensor

The refrigerant system is protected against excessively high or low pressures by the refrigerant pressure sensor, located on the condenser. If the system pressure rises above or falls below the specifications, the refrigerant pressure sensor detects the pressure inside the refrigerant line and sends the voltage signal to the ECM. The ECM then ceases to supply power to the A/C relay which disengages and stops the compressor when pressure on the high pressure side (as detected by refrigerant pressure sensor) is over approximately 2,746 kPa (28 kg/cm², 398 psi), or below approximately 120 kPa (1.22 kg/cm², 17.4 psi).

Pressure Relief Valve

The refrigerant system is also protected by a pressure relief valve, located in the rear head of the compressor. When the pressure of refrigerant in the system increases to an abnormal level [more than 3,727 kPa (38 kg/cm², 540 psi)], the release port on the pressure relief valve automatically opens and releases refrigerant into the atmosphere.



Component Part Location

INFOID:000000000993115

TRUNK LID OPENER ACTUATOR

< COMPONENT DIAGNOSIS >

TRUNK LID OPENER ACTUATOR

Description

INFOID:000000000993626

Performs trunk lid open with signal from BCM.

Component Function Check

INFOID:000000000993627

1.CHECK TRUNK LID OPENER CANCEL SWITCH

Check trunk lid opener cancel switch position.

Is trunk lid opener cancel switch turned OFF (CANCEL)?

Yes >> Turn on trunk lid opener cancel switch.

No >> GO TO 2..

2.CHECK FUNCTION

1. Perform Active Test TRUNK/GLASS HATCH with CONSULT-III.

2. Touch "OPEN" and check that trunk lid opens.

Is the inspection result normal?

YES >> Trunk lid opener actuator is OK.

NO >> Refer to [DLK-81, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000000993628

1.CHECK OUTPUT SIGNAL

Check voltage between BCM connector and ground.

Terminals		Condition of trunk lid opener switch	Voltage (V) (Approx.)
(+)	(-)		
BCM connector	Terminal		
M20	103	Ground	ON
			0 → Battery voltage → 0

Is the inspection result normal?

YES >> GO TO 3..

NO >> GO TO 2..

2.CHECK TRUNK LID OPENER ACTUATOR CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect BCM and trunk lamp switch and trunk release solenoid connector.

3. Check continuity between BCM connector and trunk lamp switch and trunk release solenoid connector.

BCM connector	Terminal	trunk lamp switch and trunk release solenoid connector	Terminal	Continuity
M20	103	B28	3	Yes

4. Check continuity between BCM connector and ground.

BCM connector	Terminal		Continuity
M20	103	Ground	No

Is the inspection result normal?

YES >> Replace trunk lamp switch and trunk release solenoid..

NO >> Repair or replace harness.

3.CHECK INTERMITTENT INCIDENT

Refer to [GI-39, "Intermittent Incident"](#).

>> INSPECTION END.

A
B
C
D
E
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M
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P

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

Diagnostic Worksheet

INFOID:000000000994050

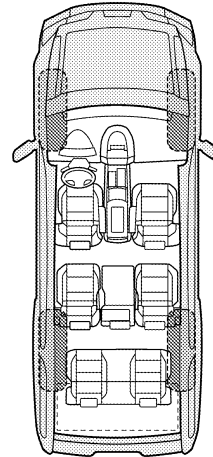
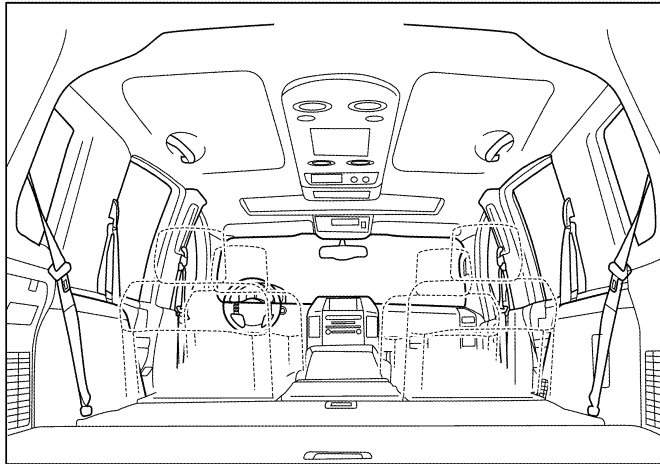
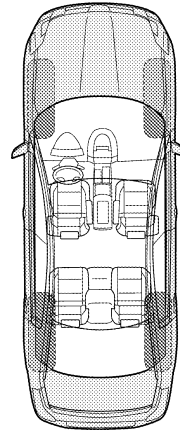
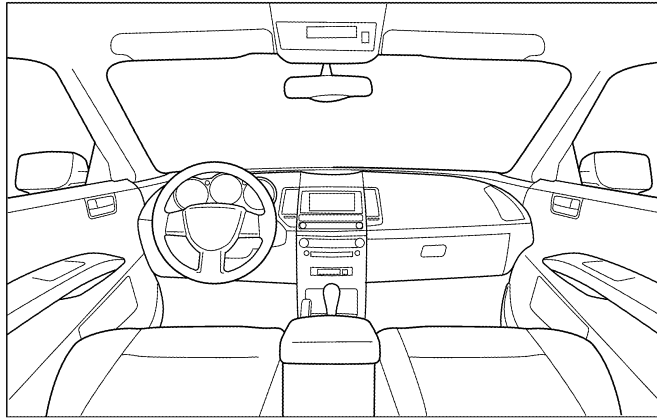
Dear Customer:

We are concerned about your satisfaction with your vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your vehicle right the first time, please take a moment to note the area of the vehicle where the squeak or rattle occurs and under what conditions. You may be asked to take a test drive with a service advisor or technician to ensure we confirm the noise you are hearing.

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

I. WHERE DOES THE NOISE COME FROM? (circle the area of the vehicle)

The illustrations are for reference only, and may not reflect the actual configuration of your vehicle.



Continue to page 2 of the worksheet and briefly describe the location of the noise or rattle. In addition, please indicate the conditions which are present when the noise occurs.

DIAGNOSIS AND REPAIR WORKFLOW

< BASIC INSPECTION >

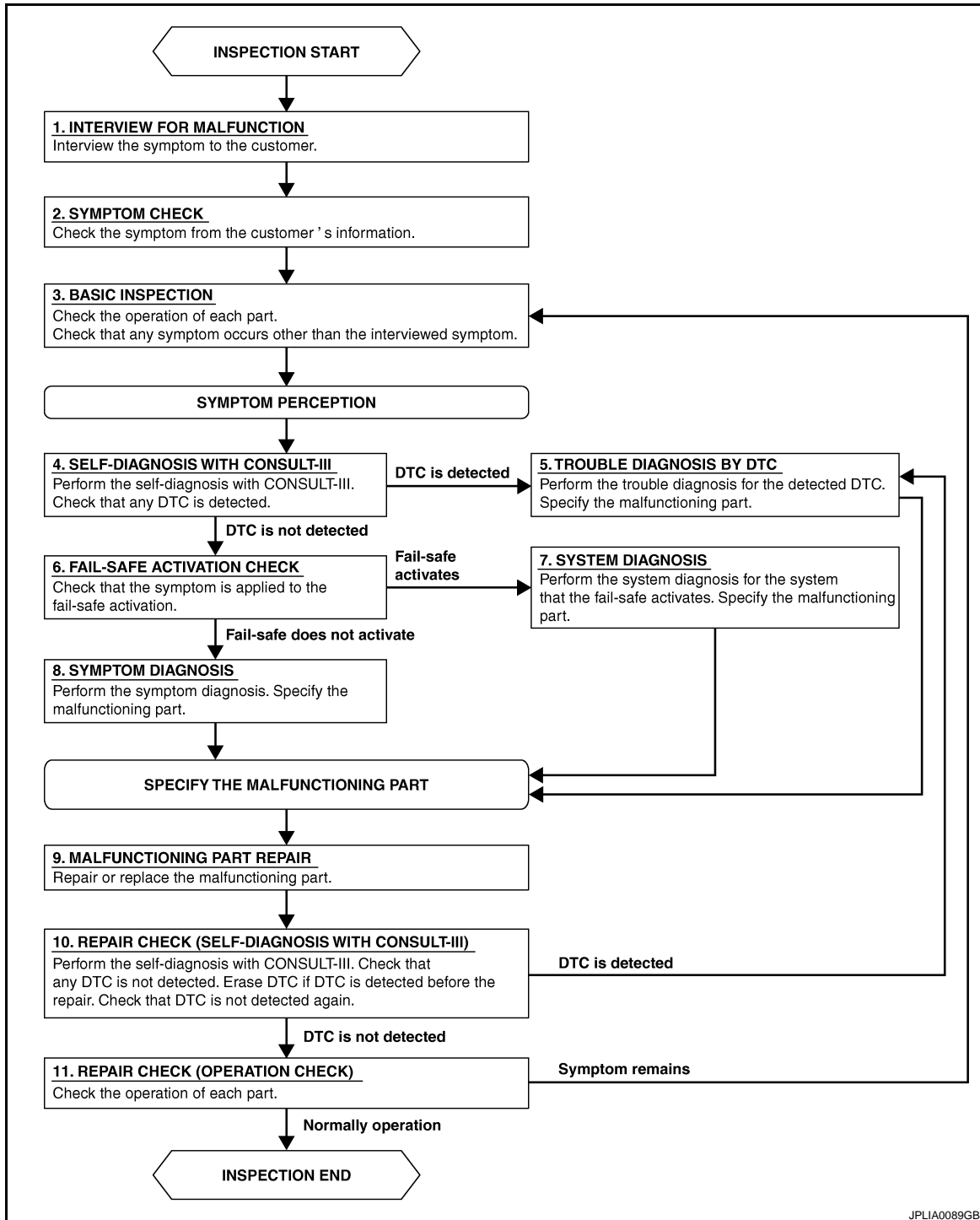
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORKFLOW

Work Flow

INFOID:000000000994227

OVERALL SEQUENCE

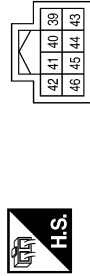


JPLIA0089GB

BCM (BODY CONTROL MODULE)

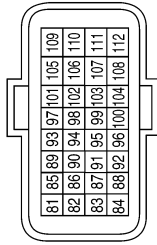
< ECU DIAGNOSIS >

Connector No.	E17
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color	WHITE



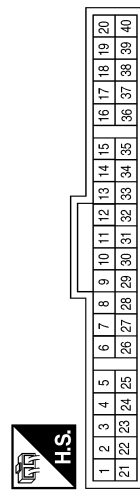
Terminal No.	Color of Wire	Signal Name
39	P	CAN-L
40	L	CAN-H

Connector No.	E10
Connector Name	ECM
Connector Color	BLACK



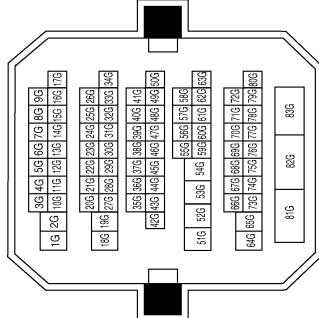
Terminal No.	Color of Wire	Signal Name
97	P	CAN-L
98	L	CAN-H

Connector No.	M37
Connector Name	FRONT AIR CONTROL
Connector Color	WHITE



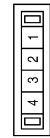
Terminal No.	Color of Wire	Signal Name
17	B	GND
22	GR	RR_DEF F/B
23	GR/W	RR_DEF ON
37	B	GND(POWER)
40	G	IGN

Connector No.	E30
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
8G	P	—
15G	L	—
51G	L	—
52G	P	—
82G	W/B	—

Connector No.	E22
Connector Name	JOINT CONNECTOR-E04
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	P	—
2	P	—

Connector No.	E21
Connector Name	JOINT CONNECTOR-E03
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	L	—
2	L	—

ALLIA0043GB

A
B
C
D
E
F
G
H
I
J
K
DEF
M
N
O
P