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< BASIC INSPECTION > **BASIC INSPECTION** Α DIAGNOSIS AND REPAIR WORKFLOW Work Flow INFOID:0000000004205783 В **OVERALL SEQUENCE** Inspection start D 1. Get information for symptom Get the detailed information about symptom from the customer. Е 2. Check DTC Symptom is described. Symptom is not described. Symptom is described. DTC is detected. DTC is detected. DTC is not detected. 3. Confirm the symptom 4. Confirm the symptom Н Confirm the symptom described by the Confirm the symptom described by the customer. customer. 5. Perform DTC Confirmation Procedure 6. Perform Basic Inspection 7. Detect malfunctioning system by **Symptom Table** K 8. Detect malfunctioning part by Diagnostic DEF **Procedure**

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(Symptom remains.)

NG

(DTC is detected.)

9. Repair or replace the malfunctioning part

Perform DTC Confirmation Procedure again, and then check that the malfunction can be repaired securely.

OK

INSPECTION END

Check that the symptom is not detected.

10. Final check

DIAGNOSIS AND REPAIR WORKFLOW

< BASIC INSPECTION >

1. GET INFORMATION FOR SYMPTOM

Get the detailed information from the customer about the symptom (the condition and the environment when the incident/malfunction occurred).

>> GO TO 2

2. CHECK DTC

- 1. Check DTC.
- 2. Perform the following procedure if DTC is displayed.
- Record DTC and freeze frame data (Print them out with CONSULT-III.)
- Erase DTC.
- Study the relationship between the cause detected by DTC and the symptom described by the customer.
- 3. Check related service bulletins for information.

Is any symptom described and any DTC detected?

Symptom is described, DTC is displayed>>GO TO 3

Symptom is described, DTC is not displayed>>GO TO 4

Symptom is not described, DTC is displayed>>GO TO 5

3. CONFIRM THE SYMPTOM

Confirm the symptom described by the customer.

Connect CONSULT-III to the vehicle in "DATA MONITOR" mode and check real time diagnosis results.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 5

4. CONFIRM THE SYMPTOM

Confirm the symptom described by the customer.

Connect CONSULT-III to the vehicle in "DATA MONITOR" mode and check real time diagnosis results.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 6

PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC Confirmation Procedure for the displayed DTC, and then check that DTC is detected again.

At this time, always connect CONSULT-III to the vehicle, and check diagnostic results in real time.

If two or more DTCs are detected, refer to <u>BCS-90</u>, "<u>DTC Inspection Priority Chart"</u> and determine trouble diagnosis order.

NOTE:

- Freeze frame data is useful if the DTC is not detected.
- Perform Component Function Check if DTC Confirmation Procedure is not included in Service Manual. This
 simplified check procedure is an effective alternative though DTC cannot be detected during this check.
 If the result of Component Function Check is NG, it is the same as the detection of DTC by DTC Confirmation Procedure.

Is DTC detected?

YES >> GO TO 8

NO >> Refer to GI-42, "Intermittent Incident".

PERFORM BASIC INSPECTION

Perform DEF-3, "Work Flow".

Inspection End>>GO TO 7

7. DETECT MALFUNCTIONING SYSTEM BY SYMPTOM TABLE

Detect malfunctioning system according to <u>DEF-6</u>, "<u>System Description</u>" based on the confirmed symptom in step 4, and determine the trouble diagnosis order based on possible causes and symptom.

DIAGNOSIS AND REPAIR WORKFLOW

< BASIC INSPECTION >

8. DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

Inspect according to Diagnostic Procedure of the system.

NOTE:

The Diagnostic Procedure described based on open circuit inspection. A short circuit inspection is also required for the circuit check in the Diagnostic Procedure.

Is malfunctioning part detected?

YES >> GO TO 9

NO >> Check voltage of related BCM terminals using CONSULT-III.

$oldsymbol{9}.$ REPAIR OR REPLACE THE MALFUNCTIONING PART

- 1. Repair or replace the malfunctioning part.
- Reconnect parts or connectors disconnected during Diagnostic Procedure again after repair and replacement.
- 3. Check DTC. If DTC is displayed, erase it.

>> GO TO 10

10. FINAL CHECK

When DTC was detected in step 2, perform DTC Confirmation Procedure or Component Function Check again, and then check that the malfunction have been repaired securely.

When symptom was described from the customer, refer to confirmed symptom in step 3 or 4, and check that the symptom is not detected.

Does the symptom reappear?

YES (DTC is detected)>>GO TO 8

YES (Symptom remains)>>GO TO 6

NO >> Inspection End.

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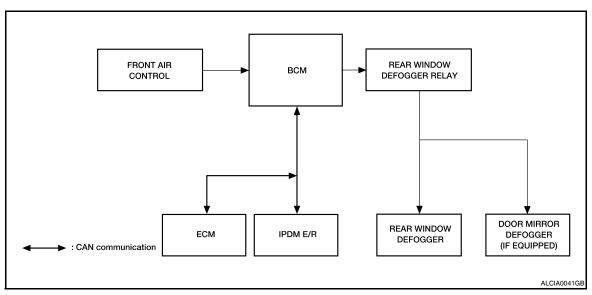
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DEF-5

FUNCTION DIAGNOSIS

REAR WINDOW DEFOGGER SYSTEM

System Diagram



System Description

INFOID:0000000004205785

Operation Description

- Turn rear window defogger switch ON when the ignition switch is turned ON. Then front air control (rear window defogger switch) transmits rear window defogger switch signal to BCM.
- BCM turns rear window defogger relay ON when rear window defogger switch signal is received.
- Rear window defogger and door mirror defogger (with door mirror defogger) are supplied with power and operate when rear window defogger relay turns ON.
- BCM transmits rear window defogger control signal to IPDM E/R via CAN communication when rear window defogger operates.
- Rear window defogger ON is displayed when front air control receives signals.

Timer function

- BCM turns rear window defogger relay ON for approximately 15 minutes when rear window defogger switch
 is turned ON while ignition switch is ON. It makes rear window defogger and door mirror defogger (with door
 mirror defogger) operate.
- Timer is canceled after pressing rear window defogger switch again during timer operation. Then BCM turns rear window defogger relay OFF. The same reaction also occurs during timer operation, if the ignition switch is turned OFF.

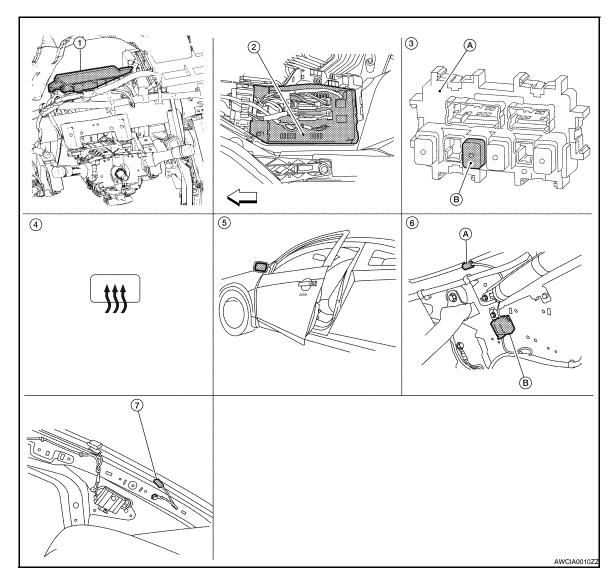
INPUT/OUTPUT SIGNAL CHART

Switch	Switch Input signal to BCM BCM function		Acutuator	
Rear window defogger switch	Defogger switch signal	Rear window defogger and door	Rear window defogger	
Push button ignition switch	Ignition signal	mirror defogger* control	Door mirror defogger *	

^{*:} With door mirror defogger

Component Parts Location

INFOID:0000000004205786



- BCM M16, M17, M18, M19 (view with 2. instrument panel removed)
- Front air control (rear window defogger 5. switch) M37
- 7. Rear window defogger (-) B54 (view with rear pillar finisher RH removed)
- IPDM E/R E17
- Door mirror (door mirror defogger) LH D4, RH D107 (if equipped)
- A. Fuse block (J/B)
 - B. Rear window defogger relay J-4
- A. Rear window defogger (+) B53 B. Condenser B52 (view with rear pillar finisher LH removed)

Component Description

INFOID:0000000004205787

BCM	 Operates the rear window defogger with the operation of rear window defogger switch. Performs the timer control of rear window defogger.
Rear window defogger relay	Operates the rear window defogger and the door mirror defogger with the control signal from BCM.
Front air control (rear window defogger switch)	 The rear window defogger switch is turned ON. Turns the indicator lamp ON when detecting the operation of rear window defogger.

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REAR WINDOW DEFOGGER SYSTEM

< FUNCTION DIAGNOSIS >

Rear window defogger	Heats the heating wire with the power supply from the rear window defogger relay to prevent the rear window from fogging up.
Door mirror defogger*	Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.

^{*:} With heated mirrors

DIAGNOSIS SYSTEM (BCM)

< FUNCTION DIAGNOSIS >

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM: CONSULT-III Function

INFOID:0000000004501278

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ECU IDENTIFICATION

Displays the BCM part No.

SELF-DIAG RESULT

Refer to BCS-91, "DTC Index".

REAR WINDOW DEFOGGER

REAR WINDOW DEFOGGER: CONSULT-III Function (BCM - REAR DEFOGGER)

INFOID:0000000004501279

DATA MONITOR

Monitor Item [Unit]	Description
PUSH SW [ON/OFF]	Indicates condition of push switch
REAR DEF SW [ON/OFF]	Displays "Press (ON)/other (OFF)" status determined with the rear window defogger switch

ACTIVE TEST

Test Item	Description
REAR DEFOGGER	This test is able to check rear window defogger operation. Rear window defogger operates when 'ON" on CONSULT-III screen is touched

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REAR WINDOW DEFOGGER SWITCH

< COMPONENT DIAGNOSIS >

COMPONENT DIAGNOSIS

REAR WINDOW DEFOGGER SWITCH

Description INFOID:000000004205791

- The rear window defogger is operated by turning the rear window defogger switch ON.
- Turns the indicator lamp in the rear window defogger switch ON when operating the rear window defogger.

Component Function Check

INFOID:0000000004205792

1. CHECK REAR WINDOW DEFOGGER SWITCH FUNCTION

Check that the indicator lamp of rear window defogger illuminates with rear window defogger switch ON. <u>Is the inspection result normal?</u>

YES >> Rear window defogger switch function is OK.

NO >> Refer to <u>DEF-10</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000004205793

1. CHECK FRONT AIR CONTROL (REAR WINDOW DEFOGGER SWITCH)

Does front air control operate normally?

Is the inspection result normal?

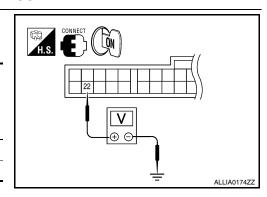
YES >> Inspection End.

NO >> GO TO 2

2. CHECK REAR WINDOW DEFOGGER SWITCH INDICATOR CIRCUIT

- 1. Turn ignition switch ON.
- 2. Check voltage between front air control connector and ground.

	Terminals				
(+)				Voltage (V)	
Front air control connector	Terminal	(-)	switch	(Approx.)	
M37	22	Ground	ON	Battery voltage	
	22	Oround	OFF	0	



Is the inspection result normal?

YES >> Replace front air control. Refer to VTL-8, "Removal and Installation".

NO >> Repair or replace harness.

REAR WINDOW DEFOGGER RELAY

< COMPONENT DIAGNOSIS >

REAR WINDOW DEFOGGER RELAY

Description INFOID:0000000004205794

Power is supplied to the rear window defogger with BCM control.

Component Function Check

1. CHECK REAR WINDOW DEFOGGER RELAY POWER SUPPLY CIRCUIT

Check that an operation noise of rear window defogger relay [located in fuse block (J/B)] can be heard when turning the rear window defogger switch ON.

Is the inspection result normal?

YES >> Rear window defogger relay power supply circuit is OK.

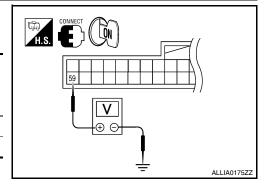
>> Refer to DEF-11, "Diagnosis Procedure". NO

Diagnosis Procedure

1. CHECK REAR WINDOW DEFOGGER RELAY GROUND CIRCUIT

- Turn ignition switch ON.
- Check voltage between BCM connector and ground.

Terminals			Condition of rear	V-11 0.0
(+)		(-)	window defogger	Voltage (V) (Approx.)
BCM connector	Terminal	(-)	switch	· · · · /
M18	59	Ground	ON	0
W10	5	Ground	OFF	Battery voltage



Is the inspection result normal?

YES >> Rear window defogger power supply circuit is OK.

NO >> GO TO 2

2. CHECK HARNESS CONTINUITY

- Turn ignition switch OFF.
- Disconnect BCM and fuse block (J/B).
- Check continuity between BCM connector (A) and fuse block (J/ B) connector (B).

BCM connector	Terminal	Fuse block (J/B) connector	Terminal	Continuity
M18 (A)	59	M4 (B)	4Q	Yes

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Is the inspection result normal?

YES >> GO TO 3

NO >> Repair or replace harness.

3. CHECK REAR WINDOW DEFOGGER RELAY

Check rear window defogger relay.

Refer to DEF-12, "Component Inspection".

Is the inspection result normal?

YFS >> GO TO 4

NO >> Replace rear window defogger relay.

4. CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to GI-42, "Intermittent Incident"

Is the inspection result normal?

YES >> Check the following.

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REAR WINDOW DEFOGGER RELAY

< COMPONENT DIAGNOSIS >

- · Battery power supply circuit.
- Fuse block (J/B).
- NO >> Repair or replace the malfunctioning parts.

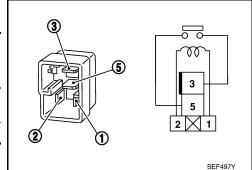
Component Inspection

INFOID:0000000004205797

1. CHECK REAR WINDOW DEFOGGER RELAY

Check rear window defogger relay.

Terr	minal			
	window Jer relay	Condition	Continuity	
3	5	12V direct current supply between terminals 1 and 2.	Yes	
		No current supply	No	



Is the inspection result normal?

YES >> Inspection End.

NO >> Replace rear window defogger relay.

REAR WINDOW DEFOGGER POWER SUPPLY AND GROUND CIRCUIT

< COMPONENT DIAGNOSIS >

REAR WINDOW DEFOGGER POWER SUPPLY AND GROUND CIRCUIT

Description INFOID:0000000004205798

Heats the heating wire with the power supply from the rear window defogger relay to prevent the rear window from fogging up.

Component Function Check

INFOID:0000000004205799

INFOID:0000000004205800

1. CHECK REAR WINDOW DEFOGGER

Check that the heating wire of rear window defogger is heated when turning the rear window defogger switch ON.

Is the inspection result normal?

YES >> Rear window defogger is OK.

NO >> Refer to <u>DEF-13</u>, "<u>Diagnosis Procedure</u>".

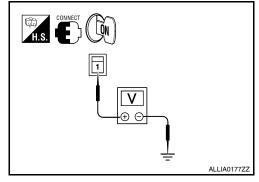
Diagnosis Procedure

1. CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch ON.

2. Check voltage between rear window defogger connector and ground.

Т	erminals			
(+)			Condition of rear	Voltage (V)
Rear window defogger connector	Terminal	(–)	window defogger switch	(Approx.)
B53	1	Ground	ON	Battery voltage
555	'	Ground	OFF	0



Is the inspection result normal?

YES >> GO TO 2 NO >> GO TO 3

2. CHECK GROUND CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Disconnect rear window defogger.
- Check continuity between rear window defogger connector and ground.

Rear window defogger connector	Terminal	Ground	Continuity
B54	2	Cround	Yes

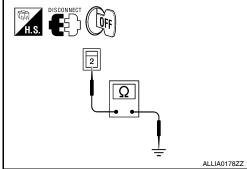
ontinuity Yes

Is the inspection result normal?

YES >> GO TO 5

NO >> Repair or replace harness.

 ${f 3.}$ CHECK HARNESS CONTINUITY 1



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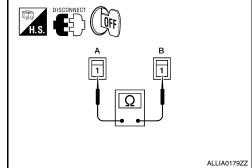
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REAR WINDOW DEFOGGER POWER SUPPLY AND GROUND CIRCUIT

< COMPONENT DIAGNOSIS >

- Turn ignition switch OFF.
- 2. Disconnect condenser and rear window defogger.
- 3. Check continuity between condenser connector (A) and rear window defogger connector (B).

Condenser connector	Terminal	Rear window defogger connector	Terminal	Continuity
B52 (A)	1	B53 (B)	1	Yes



Is the inspection result normal?

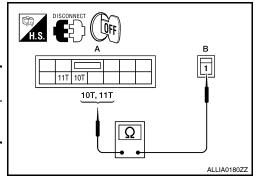
YES >> GO TO 4

NO >> Replace condenser. Refer to <u>DEF-66</u>, "Removal and <u>Installation - Coupe"</u> or <u>DEF-66</u>, "Removal and Installation - Sedan".

4. CHECK HARNESS CONTINUITY 2

- 1. Disconnect fuse block (J/B).
- 2. Check continuity between fuse block (J/B) connector (A) and condenser connector (B).

Fuse block (J/B) connector	Terminal	Condenser connector	Terminal	Continuity
B4 (A)	10T	B52 (B)	1	Yes
D4 (A)	11T	D32 (B)	1	165



Is the inspection result normal?

YES >> GO TO 6

NO >> Replace or repair harness.

5. CHECK FILAMENT

Check filament.

Refer to DEF-14, "Component Inspection".

Is the inspection result normal?

YES >> Refer to GI-42, "Intermittent Incident".

NO >> Repair filament. Refer to <u>DEF-64</u>, "Inspection and Repair".

6. CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to GI-42, "Intermittent Incident".

Is the inspection result normal?

YES >> Check the following.

- · Battery power supply circuit.
- Fuse block (J/B).

NO >> Repair or replace the malfunctioning parts.

Component Inspection

INFOID:0000000004205801

1. CHECK FILAMENT

Check the filament for damage or open circuits.

Refer to DEF-64, "Inspection and Repair".

Is the inspection result normal?

YES >> Inspection End.

NO >> Repair filament. Refer to <u>DEF-64</u>, "Inspection and Repair".

DRIVER SIDE DOOR MIRROR DEFOGGER

< COMPONENT DIAGNOSIS >

DRIVER SIDE DOOR MIRROR DEFOGGER

Description INFOID:000000004205802

Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.

Component Function Check

1. CHECK DOOR MIRROR DEFOGGER LH

Check that heating wire of door mirror defogger LH is heated when turning the rear window defogger switch ON.

Is the inspection result normal?

YES >> Door mirror defogger is OK.

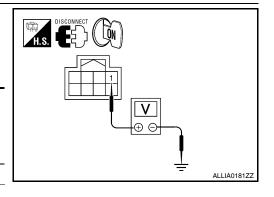
NO >> Refer to <u>DEF-15</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

1. CHECK POWER SUPPLY CIRCUIT

- Turn ignition switch OFF.
- 2. Disconnect door mirror LH.
- 3. Turn ignition switch ON.
- 4. Check voltage between door mirror LH connector and ground.

Terminals				
(+)			Condition of rear window	Voltage (V)
Door mirror LH connector	Terminal	(–)	defogger switch	(Approx.)
D4	1	Ground	ON	Battery voltage
	1	Oround	OFF	0



Is the inspection result normal?

YES >> GO TO 2

NO >> Repair or replace harness.

2. CHECK GROUND CIRCUIT

- 1. Turn ignition switch OFF.
- Check continuity between door mirror LH connector and ground.

Door mirror LH connector	Terminal	Ground	Continuity
D4	2	Oround	Yes

Is the inspection result normal?

YES >> GO TO 3

NO >> Repair or replace harness.

DISCONNECT OFF

3. CHECK DOOR MIRROR DEFOGGER LH

Check door mirror defogger LH.

Refer to DEF-16, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 4

NO >> Replace door mirror. Refer to MIR-19, "Removal and Installation".

f 4 . CHECK INTERMITTENT INCIDENT

Check intermittent incident.

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DRIVER SIDE DOOR MIRROR DEFOGGER

< COMPONENT DIAGNOSIS >

Refer to GI-42, "Intermittent Incident".

Is the inspection result normal?

YES

- >> Check the following.
 - Battery power supply circuit.
 - Fuse block (J/B).
- NO >> Repair or replace the malfunctioning parts.

Component Inspection

INFOID:0000000004205805

1. CHECK DOOR MIRROR DEFOGGER LH

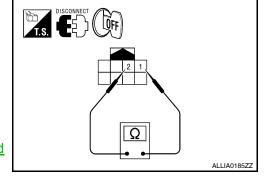
- 1. Turn ignition switch OFF.
- 2. Disconnect door mirror LH.
- 3. Check continuity between door mirror terminals.

Terminal		Continuity	
1	2	Yes	

Is the inspection result normal?

YES >> Inspection End.

NO >> Replace door mirror LH. Refer to MIR-19, "Removal and Installation".



PASSENGER SIDE DOOR MIRROR DEFOGGER

< COMPONENT DIAGNOSIS >

PASSENGER SIDE DOOR MIRROR DEFOGGER

Description INFOID:0000000004205806

Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.

Component Function Check

1. CHECK DOOR MIRROR DEFOGGER RH

Check that the heating wire of door mirror defogger RH is heated when turning the rear window defogger switch ON.

Is the inspection result normal?

>> Door mirror defogger RH is OK.

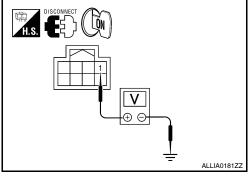
>> Refer to DEF-17, "Diagnosis Procedure". NO

Diagnosis Procedure

$oldsymbol{1}$. CHECK POWER SUPPLY CIRCUIT

- Turn ignition switch OFF.
- 2. Disconnect door mirror RH.
- 3. Turn ignition switch ON.
- Check voltage between door mirror RH connector and ground.

Terminals			0 1111	
(+)			Condition of rear window defogger	Voltage (V)
Door mirror RH connector	Terminal	(-)	switch	(Approx.)
D107	1	Ground	ON	Battery voltage
	1	Oround	OFF	0



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Is the inspection result normal?

YES >> GO TO 2

NO >> Repair or replace harness.

$oldsymbol{2}$. CHECK GROUND CIRCUIT

- 1. Turn ignition switch OFF.
- Check continuity between door mirror RH connector and ground.

Door mirror RH connector	Terminal	Ground	Continuity
D107	2	Oround	Yes

Is the inspection result normal?

YES >> GO TO 3

>> Repair or replace harness. NO

3. CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER

Check door mirror defogger RH.

Refer to DEF-18, "Component Inspection".

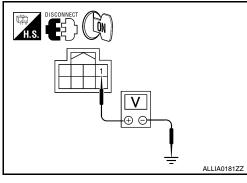
Is the inspection result normal?

YES >> GO TO 4

NO >> Replace door mirror RH. Refer to MIR-19, "Removal and Installation".

$oldsymbol{4}$. CHECK INTERMITTENT INCIDENT

Check intermittent incident.



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PASSENGER SIDE DOOR MIRROR DEFOGGER

< COMPONENT DIAGNOSIS >

Refer to GI-42, "Intermittent Incident".

Is the inspection result normal?

YES

- >> Check the following.
 - Battery power supply circuit.
 - Fuse block (J/B).
- NO >> Repair or replace the malfunctioning parts.

Component Inspection

INFOID:0000000004205809

1. CHECK DOOR MIRROR DEFOGGER RH

- 1. Turn ignition switch OFF.
- 2. Disconnect door mirror RH.
- 3. Check continuity between door mirror terminals.

Terminal		Continuity	
1	2	Yes	

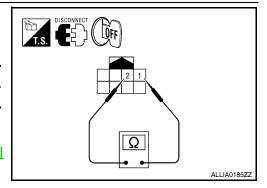
Is the inspection result normal?

YES

>> Inspection End.

NO

>> Replace door mirror RH. Refer to MIR-19, "Removal and Installation".



< ECU DIAGNOSIS >

ECU DIAGNOSIS

BCM (BODY CONTROL MODULE)

Reference Value

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VALUES ON THE DIAGNOSIS TOOL

Monitor Item	Condition	Value/Status	
ED WIDED III	Other than front wiper switch HI	OFF	-
FR WIPER HI	Front wiper switch HI	ON	
ED MIDED LOW	Other than front wiper switch LO	OFF	=
FR WIPER LOW	Front wiper switch LO	ON	-
FR WASHER SW	Front washer switch OFF	OFF	- E
	Front washer switch ON	ON	-
FR WIPER INT	Other than front wiper switch INT	OFF	F
FR WIFER IN	Front wiper switch INT	ON	_
FR WIPER STOP	Front wiper is not in STOP position	OFF	-
FR WIFER STOP	Front wiper is in STOP position	ON	(
INT VOLUME	Wiper intermittent dial is in a dial position 1 - 7	Wiper intermittent dial position	_
TURN SIGNAL R	Other than turn signal switch RH	OFF	-
TURN SIGNAL R	Turn signal switch RH	ON	_
TURN SIGNAL L	Other than turn signal switch LH	OFF	_
TURN SIGNAL L	Turn signal switch LH	ON	_
TAIL LAMD CVA	Other than lighting switch 1ST and 2ND	OFF	-
TAIL LAMP SW	Lighting switch 1ST or 2ND	ON	-
HI BEAM SW	Other than lighting switch HI	OFF	_ `
	Lighting switch HI	ON	-
11545 1 4445 014/4	Other than lighting switch 2ND	OFF	k
HEAD LAMP SW 1	Lighting switch 2ND	ON	
HEAD LAMP SW 2	Other than lighting switch 2ND	OFF	_ DE
HEAD LAIVIP SVV 2	Lighting switch 2ND	ON	- Di
PASSING SW	Other than lighting switch PASS	OFF	_
PASSING SW	Lighting switch PASS	ON	1
AUTO LIGHT SW	Other than lighting switch AUTO	OFF	_
AUTO LIGITI SW	Lighting switch AUTO	ON	-
FR FOG SW	Front fog lamp switch OFF	OFF	-
FR FOG SW	Front fog lamp switch ON	ON	-
DOOR SW-DR	Driver door closed	OFF	
DOOK SW-DK	Driver door opened	ON	_
DOOD SW AS	Passenger door closed	OFF	=
DOOR SW-AS	Passenger door opened	ON	- F
DOOR SW-RR	Rear door RH closed	OFF	=
DOOK SW-KK	Rear door RH opened	ON	=
DOOR SW-RL	Rear door LH closed	OFF	=
DOOK SVV-KL	Rear door LH opened	ON	_

Monitor Item	Condition	Value/Status
DOOR SW-BK	NOTE: This item is displayed, but cannot be monitored.	OFF
ODL LOCK OW	Other than power door lock switch LOCK	OFF
CDL LOCK SW	Power door lock switch LOCK	ON
	Other than power door lock switch UNLOCK	OFF
CDL UNLOCK SW	Power door lock switch UNLOCK	ON
KEN ON TROM	Other than driver door key cylinder LOCK position	OFF
KEY CYL LK-SW	Driver door key cylinder LOCK position	ON
KEN ON THE OW	Other than driver door key cylinder UNLOCK position	OFF
KEY CYL UN-SW	Driver door key cylinder UNLOCK position	ON
KEY CYL SW-TR	NOTE: This item is displayed, but cannot be monitored.	OFF
HAZARD SW	When hazard switch is not pressed	OFF
HAZARD SW	When hazard switch is pressed	ON
REAR DEF SW	When rear window defogger switch is pressed	ON
TR CANCEL SW	Trunk lid opener cancel switch OFF	OFF
TR CANCEL SW	Trunk lid opener cancel switch ON	ON
TR/BD OPEN SW	Trunk lid opener switch OFF	OFF
IR/BD OPEN SW	While the trunk lid opener switch is turned ON	ON
TRNK/HAT MNTR	Trunk lid closed	OFF
TRINGHAL WINTE	Trunk lid opened	ON
RKE-LOCK	When LOCK button of Intelligent Key is not pressed	OFF
KKL-LOOK	When LOCK button of Intelligent Key is pressed	ON
RKE-UNLOCK	When UNLOCK button of Intelligent Key is not pressed	OFF
INC-ONLOCK	When UNLOCK button of Intelligent Key is pressed	ON
RKE-TR/BD	When TRUNK OPEN button of Intelligent Key is not pressed	OFF
TAIL-TIVED	When TRUNK OPEN button of Intelligent Key is pressed	ON
RKE-PANIC	When PANIC button of Intelligent Key is not pressed	OFF
TINE-I AIVIO	When PANIC button of Intelligent Key is pressed	ON
RKE-P/W OPEN	When UNLOCK button of Intelligent Key is not pressed and held	OFF
TAILE-I /VV OI LIN	When UNLOCK button of Intelligent Key is pressed and held	ON
RKE-MODE CHG	When LOCK/UNLOCK button of Intelligent Key is not pressed and held simultaneously	OFF
TRE-WODE CHG	When LOCK/UNLOCK button of Intelligent Key is pressed and held simultaneously	ON
OPTICAL SENSOR	When outside of the vehicle is bright	Close to 5 V
OF HOAL SENSOR	When outside of the vehicle is dark	Close to 0 V
REQ SW-DR	When driver door request switch is not pressed	OFF
REQ SW-DR	When driver door request switch is pressed	ON
DEO SW AS	When passenger door request switch is not pressed	OFF
REQ SW-AS	When passenger door request switch is pressed	ON
DEO SW/ DD/TD	When trunk request switch is not pressed	OFF
REQ SW-BD/TR	When trunk request switch is pressed	ON
DUCH OW	When engine switch (push switch) is not pressed	OFF
PUSH SW	When engine switch (push switch) is pressed	ON

Monitor Item	Condition	Value/Status
IGN RLY2-F/B	Ignition switch OFF or ACC	OFF
GN RL12-F/B	Ignition switch ON	ON
ACC DLV E/D	Ignition switch OFF	OFF
ACC RLY-F/B	Ignition switch ACC or ON	ON
DI LITCH OW	When the clutch pedal is not depressed	OFF
CLUTCH SW	When the clutch pedal is depressed	ON
DDAKE CW 4	When the brake pedal is not depressed	ON
BRAKE SW 1	When the brake pedal is depressed	OFF
DETE/CANCL SW	When selector lever is in P position	OFF
DETE/CANCL SW	When selector lever is in any position other than P	ON
OFT DAI/ALOVA/	When selector lever is in any position other than P or N	OFF
SFT PN/N SW	When selector lever is in P or N position	ON
2/L LOCK	Electronic steering column lock LOCK status	OFF
S/L-LOCK	Electronic steering column lock UNLOCK status	ON
	Electronic steering column lock UNLOCK status	OFF
S/L-UNLOCK	Electronic steering column lock LOCK status	ON
	Ignition switch OFF or ACC	OFF
S/L RELAY-F/B	Ignition switch ON	ON
INII IX OENI DD	Driver door UNLOCK status	OFF
JNLK SEN-DR	Driver door LOCK status	ON
	When engine switch (push switch) is not pressed	OFF
PUSH SW-IPDM	When engine switch (push switch) is pressed	ON
	Ignition switch OFF or ACC	OFF
GN RLY1 F/B	Ignition switch ON	ON
	When selector lever is in P position	OFF
DETE SW -IPDM	When selector lever is in any position other than P	ON
	When selector lever is in any position other than P or N	OFF
SFT PN -IPDM	When selector lever is in P or N position	ON
	When selector lever is in any position other than P	OFF
SFT P-MET	When selector lever is in P position	ON
	When selector lever is in any position other than N	OFF
SFT N-MET	When selector lever is in N position	ON
	Engine stopped	STOP
	While the engine stalls	STALL
ENGINE STATE	At engine cranking	CRANK
	Engine running	RUN
	Electronic steering column lock LOCK status	OFF
S/L LOCK-IPDM	Electronic steering column lock UNLOCK status	ON
	Electronic steering column lock UNLOCK status	OFF
S/L UNLCK-IPDM	Electronic steering column lock LOCK status	ON
	Ignition switch OFF or ACC	OFF
S/L RELAY-REQ	Ignition switch ON	ON
VEH SPEED 1	While driving	Equivalent to speedometer reading
VEH SPEED 2	While driving	Equivalent to speedometer reading

Monitor Item	Condition	Value/Status
	Driver door LOCK status	LOCK
DOOR STAT-DR	Wait with selective UNLOCK operation (5 seconds)	READY
	Driver door UNLOCK status	UNLK
	Passenger door LOCK status	LOCK
DOOR STAT-AS	Wait with selective UNLOCK operation (5 seconds)	READY
	Passenger door UNLOCK status	UNLK
ID OK FLAG	Ignition switch ACC or ON	RESET
ID OK FLAG	Ignition switch OFF	SET
DDMT ENC STAT	When the engine start is prohibited	RESET
PRMT ENG STAT	When the engine start is permitted	SET
PRMT RKE STAT	NOTE: This item is displayed, but cannot be monitored.	RESET
KEY SW -SLOT	When Intelligent Key is not inserted into key slot	OFF
RET SW -SLOT	When Intelligent Key is inserted into key slot	ON
RKE OPE COUN1	During the operation of Intelligent Key	Operation frequency of Intelligent Key
RKE OPE COUN2	NOTE: This item is displayed, but cannot be monitored.	Operation frequency of Intelligent Key
CONFRM ID ALL	The key ID that the key slot receives does not accord with any key ID registered to BCM.	YET
CONFRIMID ALL	The key ID that the key slot receives accords with any key ID registered to BCM.	DONE
CONFIDMENT	The key ID that the key slot receives does not accord with the fourth key ID registered to BCM.	YET
CONFIRM ID4	The key ID that the key slot receives accords with the fourth key ID registered to BCM.	DONE
CONFIDM ID2	The key ID that the key slot receives does not accord with the third key ID registered to BCM.	YET
CONFIRM ID3	The key ID that the key slot receives accords with the third key ID registered to BCM.	DONE
CONFIDMIDO	The key ID that the key slot receives does not accord with the second key ID registered to BCM.	YET
CONFIRM ID2	The key ID that the key slot receives accords with the second key ID registered to BCM.	DONE
CONFIDM ID4	The key ID that the key slot receives does not accord with the first key ID registered to BCM.	YET
CONFIRM ID1	The key ID that the key slot receives accords with the first key ID registered to BCM.	DONE
TP 4	The ID of fourth key is not registered to BCM	YET
1P 4	The ID of fourth key is registered to BCM	DONE
TD 0	The ID of third key is not registered to BCM	YET
TP 3	The ID of third key is registered to BCM	DONE
TD 0	The ID of second key is not registered to BCM	YET
TP 2	The ID of second key is registered to BCM	DONE
TD 4	The ID of first key is not registered to BCM	YET
TP 1	The ID of first key is registered to BCM	DONE
AIR PRESS FL	Ignition switch ON (only when the signal from the transmitter is received)	Air pressure of front LH tire
AIR PRESS FR	Ignition switch ON (only when the signal from the transmitter is received)	Air pressure of front RH tire

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Monitor Item	Condition	Value/Status	Δ.
AIR PRESS RR	Ignition switch ON (only when the signal from the transmitter is received)	Air pressure of rear RH tire	- А
AIR PRESS RL	Ignition switch ON (only when the signal from the transmitter is received)	Air pressure of rear LH tire	В
ID REGST FL1	When ID of front LH tire transmitter is registered	DONE	
ID REGGI FLI	When ID of front LH tire transmitter is not registered	YET	
ID REGST FR1	When ID of front RH tire transmitter is registered	DONE	
ID REGOT FRI	When ID of front RH tire transmitter is not registered	YET	_
ID REGST RR1	When ID of rear RH tire transmitter is registered	DONE	D
ID REGOT KRT	When ID of rear RH tire transmitter is not registered	YET	
ID REGST RL1	When ID of rear LH tire transmitter is registered	DONE	
ID REGST RLT	When ID of rear LH tire transmitter is not registered	YET	
VAVA DAUNIO I ANAD	Tire pressure indicator OFF	OFF	
WARNING LAMP	Tire pressure indicator ON	ON	F
DUZZED	Tire pressure warning alarm is not sounding	OFF	
BUZZER	Tire pressure warning alarm is sounding	ON	

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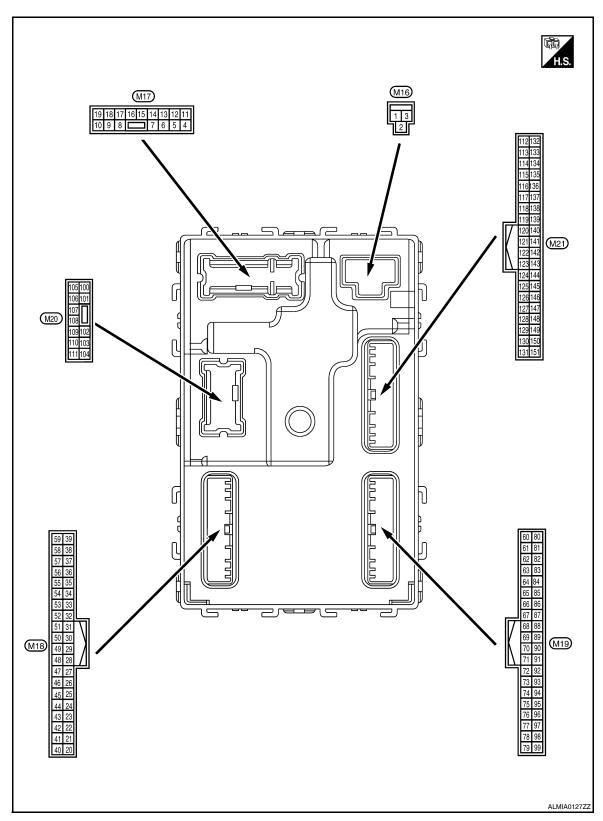
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Terminal Layout



Physical Values

	inal No. e color)	Description	T		O and the an	Value	F
(+)	(-)	Signal name	Input/ Output		Condition	(Approx.)	
1 (W/B)	Ground	Battery power supply	Input	Ignition switch OF	F	Battery voltage	E
2 (R/Y)	Ground	Battery power supply output	Output	Ignition switch OF	F	Battery voltage	(
3 (L/W)	Ground	Ignition power supply output	Output	Ignition switch ON		Battery voltage	
4	Ground	Interior room lamp	Output	After passing the ir er operation time	nterior room lamp battery sav-	0V	
(P/W)	Giouria	power supply	Output	Any other time after lamp battery saver	er passing the interior room roperation time	Battery voltage	E
5	Ground	Front door RH UN-	Output	Front door RH	UNLOCK (actuator is activated)	Battery voltage	
(G/Y)	Cidana	LOCK	Output	I TOTIL GOOT KIT	Other than UNLOCK (actuator is not activated)	0V	F
7	Ground	Step lamp	Output	Step lamp	ON	OV	
(R/W)	Ground	Otep lamp	Output	Step lattip	OFF	Battery voltage	(
8	Ground	All doors LOCK	Output	All doors	LOCK (actuator is activated)	Battery voltage	
(V)	Ciound	7 doord 20010	Catput	7 di 00013	Other than LOCK (actuator is not activated)	0V	
9	Ground	Front door LH UN-	Output	Front door LH	UNLOCK (actuator is activated)	Battery voltage	
(G)	Ciound	LOCK	Output	TOTAL GOOD ETT	Other than UNLOCK (actuator is not activated)	0V	
10 ¹	Ground	Rear door RH and rear door LH UN-	Output	Rear door RH	UNLOCK (actuator is activated)	Battery voltage	,
(G/Y)	Cidana	LOCK	Carput	and rear door LH	Other than UNLOCK (actuator is not activated)	0V	ŀ
11 (Y/R)	Ground	Battery power supply	Input	Ignition switch OF	F	Battery voltage	
13 (B)	Ground	Ground	_	Ignition switch ON		0V	DI
14 (R/Y)	Ground	Engine switch (push switch) illumination ground	Input	Tail lamp	OFF	NOTE: When the illumination brightening/dimming level is in the neutral position (V) 10 2 ms	N
15 (Y/L)	Ground	ACC indicator lamp	Output	Ignition switch	OFF ACC or ON	Battery voltage OV	ı

(Wire color (+) (-)	Signal name	Input/ Output		Condition	Value (Approx.)
	and Turn signal (RH)	Output	Ignition switch	Turn signal switch OFF	(V) 15 10 5
(G/B)	signal (141)	Guiput	ON	Turn signal switch RH	1 s PKID0926E 6.5 V
				Turn signal switch OFF	0V
18 (G/Y) Grou	ind Turn signal (LH)	Output	Ignition switch ON	Turn signal switch LH	(V) 15 10 5 0 1 s PKID0926E 6.5 V
19	Room lamp timer	0 1: 1	Interior room	OFF	Battery voltage
(Y) Grou	control	Output	lamp	ON	0V
21 Grou	and Optical sensor signal	Input	lgnition switch	When outside of the vehi- cle is bright	Close to 5V
(P/B)	ind Optical sensor signal	при	ON	When outside of the vehi- cle is dark	Close to 0V
22 Grou	Clutch interlock	Input	Clutch interlock	OFF (clutch pedal is not depressed)	0V
(R/Y)	switch		switch	ON (clutch pedal is depressed)	Battery voltage
(R/W) Grou	and Stop lamp switch 1	Input		_	Battery voltage
26 Grou	and Stop lamp switch 2	Input	Stop lamp switch	OFF (brake pedal is not depressed)	ov
(O/L)	and stop lamp owner 2	mpat	Ctop ramp curton	ON (brake pedal is depressed)	Battery voltage
27 (G/W) Grou	Front door lock as- and sembly LH (unlock sensor)	Input	Front door LH	LOCK status	(V) 15 10 5 0 10 ms JPMIA0011GB 11.8V
				UNLOCK status	0V
20			When Intelligent K	ey is inserted into key slot	Battery voltage
29 (Y) Grou	ind Key slot switch	Input		ey is not inserted into key slot	0V
30			_	OFF	0
(V/Y) Grou	and ACC feedback signal	Input	Ignition switch	ACC or ON	Battery voltage

	inal No.	Description				Value
(+)	e color) (-)	Signal name	Input/ Output		Condition	(Approx.)
31 (G)	Ground	Rear window defog- ger feedback signal	Input	Rear window de- fogger switch	OFF ON	0V Battery voltage
32 (R/B)	Ground	Front door RH switch	Input	Front door RH switch	OFF (when front door RH closes)	(V) 15 10 5 0 10 ms JPMIA0011GB
					ON (when front door RH opens)	11.8 V
33		Compressor ON sig-			OFF	5V
(SB)	Ground	nal	Input	A/C switch	ON	0V
34 ²	_	Front door lock as-		Front door lock	OFF (neutral)	5V
(L/R)	Ground	sembly LH (key cylin- der switch) (unlock)	Input	assembly LH (key cylinder switch)	ON (unlock)	0V
36 ²		, , ,		Door lock/unlock	Lock	Battery voltage
(GR)	Ground	Lock switch signal	Input	switch	Unlock	0V
37 (O)	Ground	Trunk lid opener cancel switch	Input	Trunk lid opener cancel switch	CANCEL	(V) 15 10 5 0 10 ms JPMIA0012GB
					ON	0V
38		Rear window defog-		Rear window de-	OFF	5V
(GR/ W)	Ground	ger ON signal	Input	fogger switch	ON	0V
39 ²				Door lock/unlock	Unlock	Battery voltage
(GR/ R)	Ground	Unlock switch signal	Input	switch	Lock	0V
40 ³ (Y/G)	Ground	Power window serial link	Input/ Output	Ignition switch ON		(V) 15 10 5 0 10 ms JPMIA0013GB
				Ignition switch OF	F or ACC	0V
41 (W)	Ground	Engine switch (push switch) illumination	Output	Engine switch (push switch) illu-	ON	5.5V
(4 4)				minotion	OFF	0V
42	Ground	LOCK indicator lamp	Output	LOCK indicator	ON	0V
(R)	Giound	LOCK mulcator lamp	Output	lamp	OFF	Battery voltage

Torm	inal No.	Description				
	e color)	Description	lnn::4/		Condition	Value
(+)	(-)	Signal name	Input/ Output		Condition	(Approx.)
45 (P)	Ground	Receiver & sensor ground	Input	Ignition switch ON		0V
46	Ground	Receiver & sensor	Output	Ignition switch	OFF	OV
(V/W)	Ground	power supply output	Output	ignition switch	ACC or ON	5.0V
47	Ground	Tire pressure receiv-	Input/	Ignition switch	Standby state	(V) 6 4 2 0 ** 0.2s
(G/O)	Glodina	er signal	Output	ON	When receiving the signal from the transmitter	(V) 6 4 2 0
48	Ground	Selector lever P/N	Input	Selector lever	P or N position	12.0V
(R/G)	Giodila	position signal	iliput	Selector level	Except P and N positions	OV
					ON	OV
49 (L/O)	Ground	Security indicator signal	Output	Security indicator	Blinking	(V) 15 10 5 0 1 1 s JPMIA0014GB
					OFF	Battery voltage
					All switch OFF	0V
					Lighting switch 1ST	
				Combination	Lighting switch high-beam	(V) 15
50 (LG/ B)	Ground	round Combination switch OUTPUT 5	Output	switch (Wiper intermit- tent dial 4)	Lighting switch 2ND	10 5 0
					Turn signal switch RH	JPMIA0031GB
						10.7V

	inal No.	Description	T.		0 199	Value
(+)	e color)	Signal name	Input/ Output		Condition	(Approx.)
					All switch OFF (Wiper intermittent dial 4)	0V
51 (L/W)	Ground	Combination switch OUTPUT 1	Output	Combination switch	Front wiper switch HI (Wiper intermittent dial 4) Any of the conditions below with all switch OFF • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3 • Wiper intermittent dial 6 • Wiper intermittent dial 7	(V) 15 10 5 0 2 ms JPMIA0032GB
					All switch OFF (Wiper intermittent dial 4)	0V
					Front washer switch ON (Wiper intermittent dial 4)	(V)
52 (G/B)	Ground	Combination switch OUTPUT 2	Output	Combination switch	Any of the conditions below with all switch OFF • Wiper intermittent dial 1 • Wiper intermittent dial 5 • Wiper intermittent dial 6	15 10 5 2 ms JPMIA0033GB
					All switch OFF	0V
				O and in a fine	Front wiper switch INT Front wiper switch LO	(V)
53 (LG/ R)	Ground	Combination switch OUTPUT 3	Output	Combination switch (Wiper intermit- tent dial 4)	Lighting switch AUTO	10 5 0 2 ms JPMIA0034GB
					All switch OFF	0V
					Front fog lamp switch ON	
54 (G/Y)	Ground	Combination switch OUTPUT 4	Output	Combination switch (Wiper intermit- tent dial 4)	Lighting switch 2ND Lighting switch flash-to- pass	(V) 15 10 5 0
					Turn signal switch LH	2 ms JPMIA0035GB
55				Front blower mo-	ON	Battery voltage
(BR/ W)	Ground	Front blower monitor	Input	tor switch	OFF	0V
56 ²		Front door lock as-		Front door lock	OFF (neutral)	5V
(L/B)	Ground	sembly LH (key cylin- der switch) (lock)	Input	assembly LH (key cylinder switch)	ON (lock)	0V
57 (W)	Ground	Tire pressure warning check switch	Input	,	_	5V

	inal No. e color)	Description			Condition	Value		
(+)	(-)	Signal name	Input/ Output		Condition	(Approx.)		
58 (SB)	Ground	Front door LH switch	Input	Front door LH switch	OFF (front door LH CLOSE)	(V) 15 10 5 0 10 ms JPMIA0011GB		
					ON (front door LH OPEN)	0V		
59	Ground	Rear window defog-	Output	Rear window de-	Active	Battery voltage		
(G/R)	Orouna	ger relay	Output	fogger	Not activated	0V		
60	Ground	Front console anten-	Output	Ignition switch	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 JMKIA0062GB		
(B/R)	Glound	na 2 (-)			ut OFF	GII	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 11 1 s JMKIA0063GB
61 (W/P)	Ground	Center console an-	Output	Ignition switch OFF	When Intelligent Key is in the passenger compart- ment	(V) 15 10 5 0 JMKIA0062GB		
(W/R)		tenna 2 (+)	·	OFF	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 11 1 s JMKIA0063GB		

	ninal No.	Description	1			Value
(+)	e color)	Signal name	Input/ Output		Condition	(Approx.)
				When the front	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 S S S S S S S S S
62 ⁴ (B/Y)	Ground	Front outside handle RH antenna (-)	Output	door RH request switch is operat- ed with ignition switch OFF	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0063GB
63 ⁴		Front outside handle		When the front door RH request	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0062GB
(LG)	Ground	RH antenna (+)	Output	switch is operated with ignition switch OFF	When Intelligent Key is not in the antenna detection area	(V) 15 10 1
4				When the front	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0062GB
64 ⁴ (V)	Ground	Front outside handle LH antenna (-)	Output	door LH request switch is operat- ed with ignition switch OFF	When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0063GB

	ninal No. e color)	Description	I		Condition	Value		
(+)	(-)	Signal name	Input/ Output		Condition	(Approx.)		
654		Front outside handle		When the front door LH request	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 JMKIA0062GB		
65 ⁴ (P)	Ground	LH antenna (+)	Output	switch is operated with ignition switch OFF	When Intelligent Key is not in the antenna detection area	(V) 15 10 1		
66	Ground	Instrument panel an-	Output	Ignition switch	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 1 s 1 s JMKIA0062GB		
(R)	Ground	teni	Commu ()	tenna (-)	OF	OFF	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 11 1 s JMKIA0063GB
67	Ground	Instrument panel an-	Output	Ignition switch	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 JMKIA0062GB		
(G)	Giouna	tenna (+)	Output	OFF	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 JMKIA0063GB		

Terminal No. Description (Wire color)		Description			O and the an	Value					
(+)	(-)	Signal name	Input/ Output		Condition	(Approx.)					
68 (G/O)	Ground	NATS antenna amp (built in key slot)	Input/ Output	During waiting	Ignition switch is pressed while inserting the Intelligent Key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.					
69 (O)	Ground	NATS antenna amp (built in key slot)	Input/ Output	During waiting	Ignition switch is pressed while inserting the Intelligent Key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.					
70 (R/B)	Ground	Ignition relay-2 control	Output	Ignition switch	OFF or ACC	0V Battery voltage					
71		Remote keyless entry	Input/	During waiting		(V) 15 10 5 1 ms 1 ms					
(L/O)	Ground	receiver signal	Output		Output				When operation	ithon button on Intelligent Voya	(V) 15 10
				when operating e	ither button on Intelligent Key	1 ms JMKIA0065GB					
					All switch OFF (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms					
						JPMIA0041GB 1.4V					
75 (R/Y)	Ground	Combination switch INPUT 5	Input	Combination switch	Front fog lamp switch ON (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms					
						1.3V					
					Any of the conditions below with all switch OFF • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 6 • Wiper intermittent dial 7	(V) 15 10 5 0 2 ms					

Terminal No. (Wire color)		Description		O and state of		Value	
(+)	(-)	Signal name	Input/ Output	Condition		(Approx.)	
76 (R/G)	Ground	Combination switch INPUT 3	Input	Combination switch	All switch OFF (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms JPMIA0041GB	
					Lighting switch high-beam (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms JPMIA0036GB 1.3V	
					Lighting switch 2ND (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms JPMIA0037GB	
					Any of the conditions below with all switch OFF • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3	(V) 15 10 5 0 2 ms JPMIA0040GB	
77		Engine switch (push		Engine switch	Pressed	0V	
(BR)	Ground	switch)	Input	(push switch)	Not pressed	Battery voltage	
78 (P)	Ground	CAN-L	Input/ Output		_	_	
79 (L)	Ground	CAN-H	Input/ Output		_	_	
80 (R/L)	Ground	Key slot illumination	Output	Key slot illumina- tion	OFF	0V	
					Blinking	(V) 15 10 5 0 1 s JPMIA0015GB	
					ON	6.5V	
					ON	Battery voltage	

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Terminal No.		Description				Value
(Wire	e color) (-)	Signal name	Input/ Output	Condition		(Approx.)
81				1	OFF or ACC	OV
(LG) Ground	Ground	ON indicator lamp	Output	Ignition switch	ON	Battery voltage
83 (L) Ground	400	0.44	192	OFF	0V	
	Ground	ACC relay control	Output	Ignition switch	ACC or ON	Battery voltage
84 (Y/R)	Ground	CVT device	Output		_	Battery voltage
85 (L/O)	0	Electronic steering column lock condition No. 1	Input	Electronic steer- ing column lock	Lock status	0V
	Ground				Unlock status	Battery voltage
86		Electronic steering column lock condition No. 2	Input	Electronic steer- ing column lock	Lock status	Battery voltage
(G/R)	Ground				Unlock status	0V
87	0	Selector lever P position switch	Input	Selector lever	P position	0V
(G/B)	Ground				Any position other than P	Battery voltage
88 ⁴ (P/L)		Front door RH request switch	Input	Front door RH request switch	ON (pressed)	0V
	Ground				OFF (not pressed)	1.0V
89 ⁴ (B/W)		Front door LH request switch	Input	Front door LH request switch	ON (pressed)	0V
	Ground				OFF (not pressed)	(V) 15 10 5 0 10 ms JPMIA0016GB
90 (Y)	Ground	Blower fan motor re- lay control	Output	Ignition switch	OFF or ACC	0V
	Giound				ON	Battery voltage
91 (L/R)	Ground	Remote keyless entry receiver power supply	Output	Ignition switch OFF		Battery voltage
94 (G/Y)	Ground	Steering wheel lock unit power supply	Output	Ignition switch	OFF or ACC	Battery voltage
				- ignition switch	ON	0V

DEF-35

Terminal No. (Wire color)		Description				Value	
(+)	e color)	Signal name	Input/ Output	Condition		(Approx.)	
95 (R/W)	Ground	Combination switch INPUT 1	Input	Combination switch (Wiper intermittent dial 4)	All switch OFF	(V) 15 10 5 0 2 ms JPMIA0041GB	
					Turn signal switch LH	(V) 15 10 5 0 2 ms JPMIA0037GB	
					Turn signal switch RH	(V) 15 10 5 0 2 ms JPMIA0036GB 1.3V	
					Front wiper switch LO	(V) 15 10 5 0 2 ms JPMIA0038GB	
					Front washer switch ON	(V) 15 10 5 0 2 ms JPMIA0039GB	

< ECU DIAGNOSIS >

	inal No. e color)	Description				Value	А
(+)	(-)	Signal name	Input/ Output		Condition	(Approx.)	Α
					All switch OFF (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms JPMIA0041GB	B C
	Ground				Lighting switch AUTO (Wiper intermittent dial 4)	(V) 15 10 2 ms	E
96 (P/B)		Combination switch INPUT 4	Input	Input Combination switch		JPMIA0038GB 1.3V	G
					Lighting switch 1ST (Wiper intermittent dial 4)	(V) 15 10 5 0 2 ms JPMIA0036GB	Н
					Any of the conditions below with all switch OFF • Wiper intermittent dial 1 • Wiper intermittent dial 5 • Wiper intermittent dial 6	1.3V (V) 15 10 5 0 2 ms	J K
						1.3V	DEF

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	inal No.	Description				
(Wire	e color)	Signal name	Input/ Output		Condition	Value (Approx.)
	.,,		·		All switch OFF	(V) 15 10 5 0 2 ms JPMIA0041GB
					Lighting switch flash-to- pass	(V) 15 10 5 0 2 ms JPMIA0037GB
97 (R/B)	Ground	Combination switch INPUT 2	Input	Combination switch (Wiper intermittent dial 4)	Lighting switch 2ND	(V) 15 10 5 0 2 ms JPMIA0036GB
					Front wiper switch INT	(V) 15 10 5 0 2 ms JPMIA0038GB
					Front wiper switch HI	(V) 15 10 5 0 2 ms JPMIA0040GB
					Pressed	0 V
98 (G/O)	Ground	Hazard switch	Input	Hazard switch	Not pressed	(V) 15 10 5 0 10 ms JPMIA0012GB

< ECU DIAGNOSIS >

	inal No.	Description				Value	А
(+)	e color) (-)	Signal name	Input/ Output		Condition	(Approx.)	
					LOCK status	Battery voltage	В
99 (L/Y)	Ground	Electronic steering column lock unit communication	Input/ Output	Electronic steer-ing column lock	LOCK or UNLOCK	(V) 15 10 5 0 50 ms JMKIA0066GB	C
					For 15 seconds after UN- LOCK	Battery voltage	Е
					15 seconds or later after UNLOCK	0V	_
103	Ground	Trunk lid opening	Output	Trunk lid	Open (trunk lid opener actuator is activated)	Battery voltage	F
(V)	Giouria	Trunk ild opening	Output	Trunk iid	Close (trunk lid opener actuator is not activated)	0V	G
110	Ground	Trunk room lamp	Output	Trunk room lamp	ON	0V	
(V/W)	Ground	Trunk room lamp	Output	Trunk room lamp	OFF	Battery voltage	
	Ground	Rear parcel shelf antenna 1 (-)	Output	Ignition switch OFF	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0062GB	J
114 (B)					When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0063GB	M K

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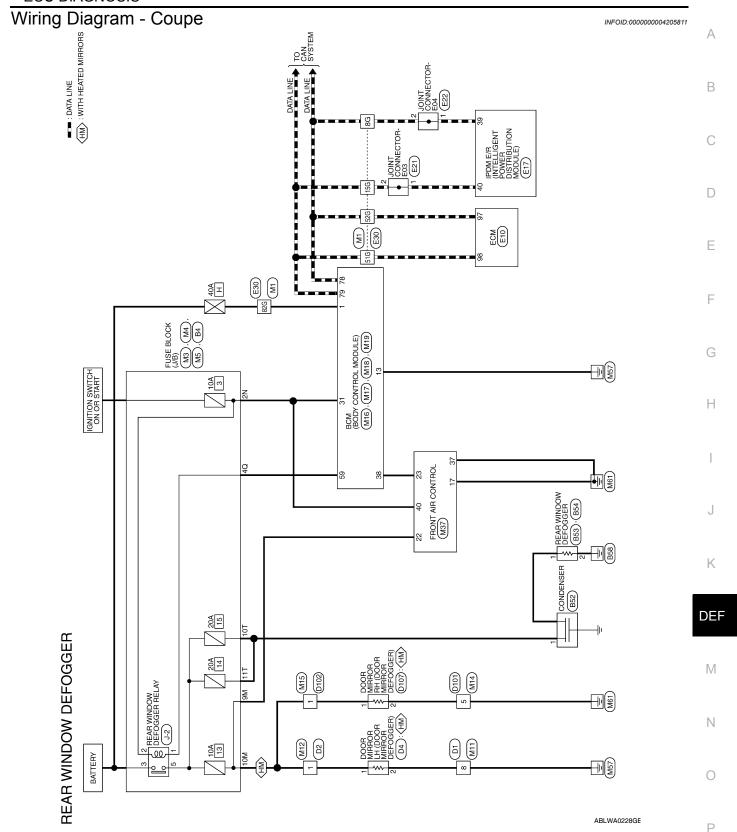
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	inal No. e color)	Description	lpn:-4/		Condition	Value
(+)	(-)	Signal name	Input/ Output		Condition	(Approx.)
115	Ground	Rear parcel shelf an-	Output	Ignition switch	When Intelligent Key is in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0062GB
(W)		tenna 1 (+)		OFF	When Intelligent Key is not in the passenger compartment	(V) 15 10 5 0 1 s JMKIA0063GB
118 ⁴	Ground	Rear bumper antenna (-)	Output	When the trunk lid request switch is operated with ignition switch OFF	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0062GB
(L/O)	Sistant				When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0063GB
119 ⁴	Ground	Rear bumper antenna (+)	Output	When the trunk lid request switch is operated with ignition switch OFF	When Intelligent Key is in the antenna detection area	(V) 15 10 5 0 1 s JMKIA0062GB
(BR/ W)					When Intelligent Key is not in the antenna detection area	(V) 15 10 5 0 JMKIA0063GB

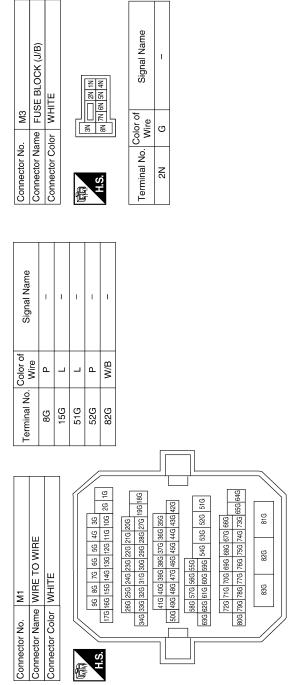
	inal No.	Description				Value
(Wire	e color) (-)	Signal name	Input/ Output		Condition	(Approx.)
127		Ignition relay (IDDM			OFF or ACC	Battery voltage
(BR/ W)	Ground	Ignition relay (IPDM E/R) control	Output	Ignition switch	ON	0V
130 (Y/G)	Ground	Trunk room lamp switch	Input	Trunk room lamp switch	OFF (trunk is closed)	(V) 15 10 5 0 10 ms JPMIA0011GB
					ON (trunk is open)	0V
				Ignition switch OFF (M/T vehi-	When the clutch pedal is depressed	Battery voltage
				cle)	When the clutch pedal is not depressed	0V
132 (R)	Ground	Starter motor relay control	Output	Ignition switch	When selector lever is in P or N position and the brake is depressed	Battery voltage
				ON (other than M/ T vehicle)	When selector lever is in P or N position and the brake is not depressed	0V
					ON (pressed)	OV
141 (G/R)	Ground	Trunk request switch	Input	Trunk request switch	OFF (not pressed)	(V) 15 10 5 0 JPMIA0016GB 1.0V
144 ⁴	01	Intelligent Key warn-	0 1: 1	Request switch	Sounding	0V
(GR)	Ground	ing buzzer	Output	buzzer	Not sounding	Battery voltage
144 ⁵	Cround	Outside warning	Output	Outside warning	Sounding	0V
(GR)	Ground	buzzer	Output	buzzer	Not sounding	Battery voltage
147	Ground	Trunk lid opener	Input	Trunk lid opener	Pressed	0V
(L/R)	2.363	switch		switch	Not pressed	Battery voltage
148 ¹ (R/W)	Ground	Rear door RH switch	Input	Rear door RH switch	OFF (when rear door RH closes)	(V) 15 10 5 0 10 ms JPMIA0011GB
					ON (when rear door RH opens)	0V

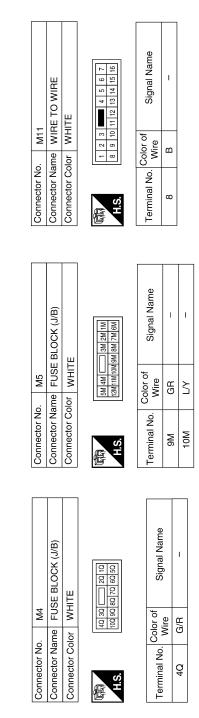
	inal No.	Description				Value
(Wire	e color)	Signal name	Input/		Condition	(Approx.)
(+)	(-)	Oignai name	Output			, ,
149 ¹ (R/B)	Ground	Rear door LH switch	Input	Rear door LH switch	OFF (when rear door LH closes)	(V) 15 10 5 0 10 ms JPMIA0011GB 11.8V
					ON (when rear door LH opens)	0V

- 1: Sedan only
- 2: With LH front window anti-pinch
- 3: With LH and RH front window anti-pinch
- 4: With Intelligent Key
- 5: Without Intelligent Key

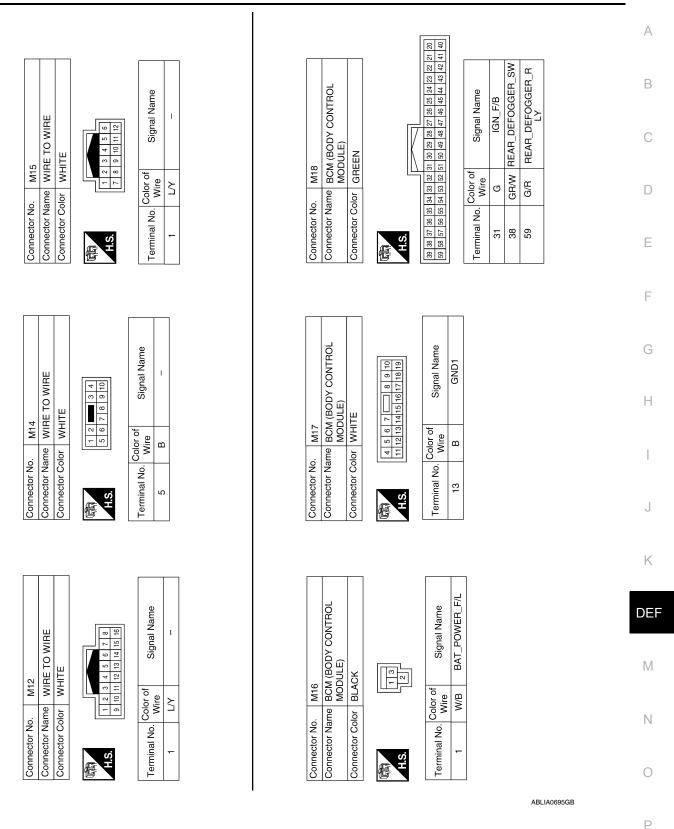


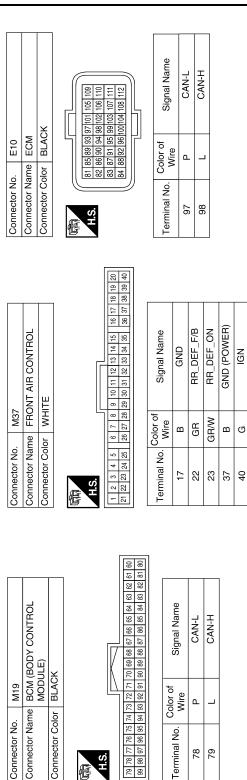
REAR WINDOW DEFOGGER CONNECTORS



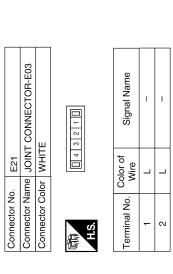


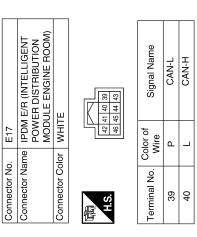
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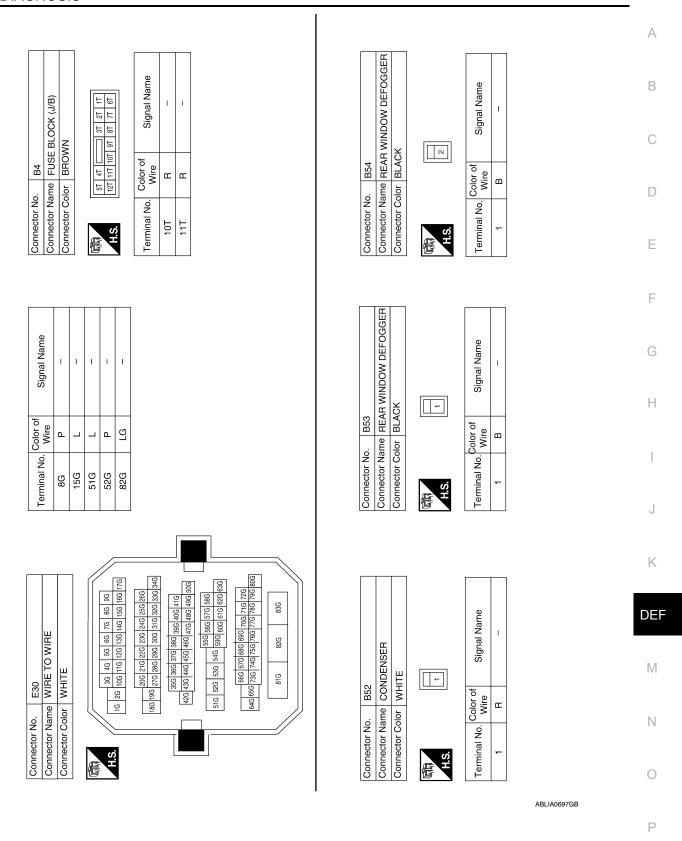


	JOINT CONNECTOR-E04	E.	4 3 2 1 1	Signal Name	I	1
. E22		lor WHITE	4	Color of Wire	Ь	۵
Connector No.	Connector Name	Connector Color	「所有 H.S.	Terminal No.	1	2



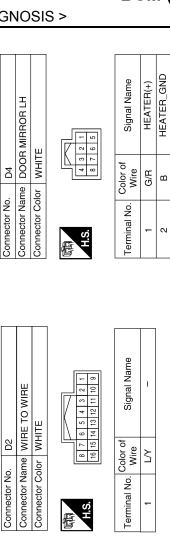


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Signal Name

Color of Wire

Terminal No.

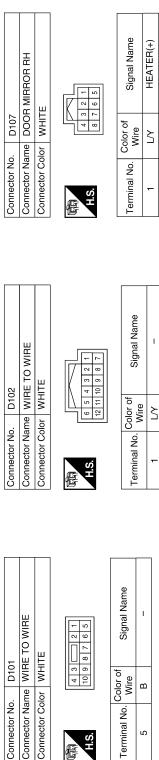
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Connector Name WIRE TO WIRE

Connector No. D1

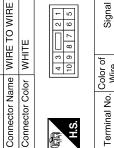
Connector Color WHITE



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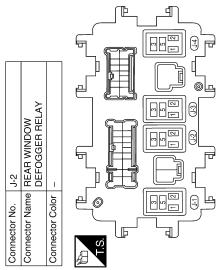
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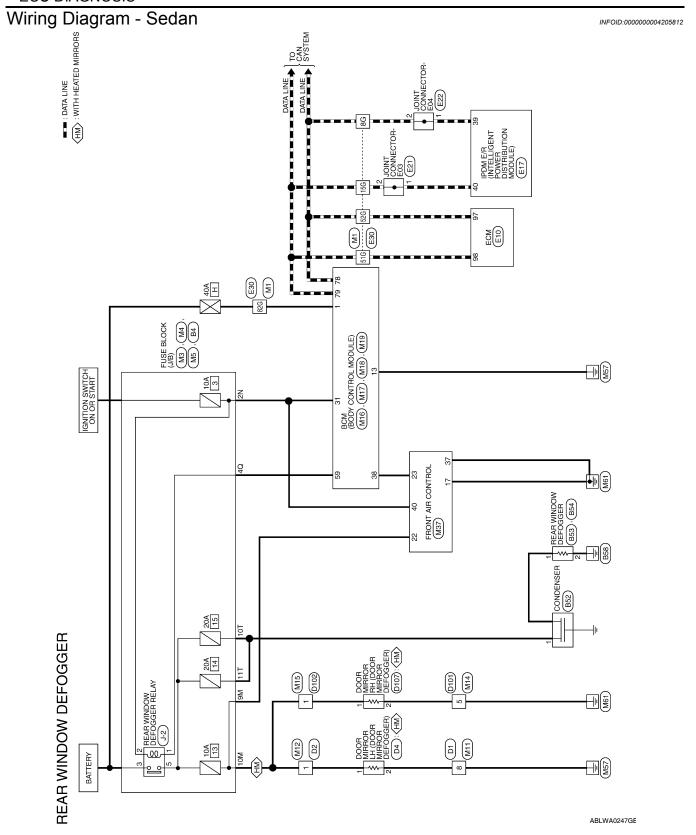
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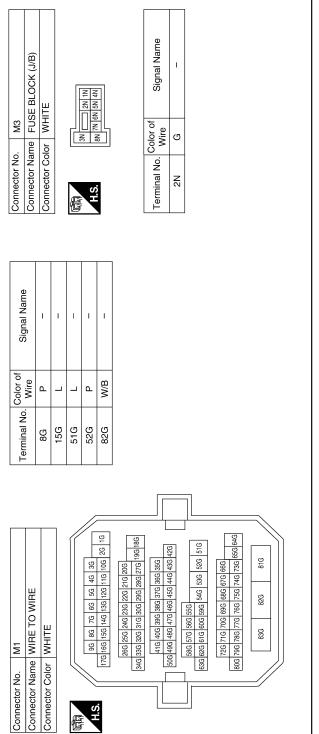
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REAR WINDOW DEFOGGER CONNECTORS



or No. M5 or Name FUSE BLOCK (J or Color WHITE SM 4M [10] [3M [3M] 1M] [22M [11M] [10] [3M] [3M] [3M] [1M] [22M [11M] [10] [3M] [3M] [3M] [22M [11M] [10] [3M] [3M] [22M [11M] [10] [3M] [3M] [3M] [22M [11M] [3M] [3M] [3M] [22M [11M] [3M] [3M] [3M] [22M [11M] [3M] [2	Connector No. M5 Connector No. M1					Φ		
Connector No.	Connector No. M5 Connector No. M5 Connector Name FUSE BLOCK (J/B) Connector Name V Connector Name V Connector Color V I I I I I I I I I	11	IRE TO WIRE	HITE	0 11 12 13 14 15 16		ı	
E BLOCK (J/B) TE Signal Name Signal Name	Connector No. M5		ame W	olor	0.0	Color of Wire	В	
BLC	Connector No. M5	Connector No	Connector Na	Connector Co	H.S.	Terminal No.	∞	
Connector No. M5 Connector Name FUSE E Connector Color WHITE SM 4M CANTE Terminal No. Color of Wire 9M GR	Signal Name		(J/B)		3M 2M 1M 8M 77 6M	Signal Name	1	ı
Connector No.	Signal Name		me FUSE E	or WHITE	5M 4M [12M 11M 10M 9h	Color of Wire	GR	>
		Connector No	Connector Na	Connector Co	原 H.S.	Terminal No.	M6	MOL
M4 Connector No. M4 Connector Name FUSE BLOCK (J/K Connector Color WHITE Connector Color WHITE Connector Color WHITE Connector Color Color of Color of Signal No. Wire Signal No. Color of Color	Connector No. Connector Name Connector Color Connector Color Fig. H.S. Ferminal No. Co		ΙĔ	흥		<u>ŏ</u> _	_	

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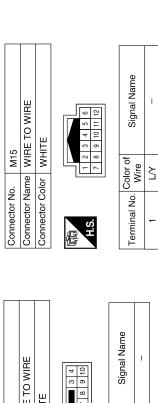
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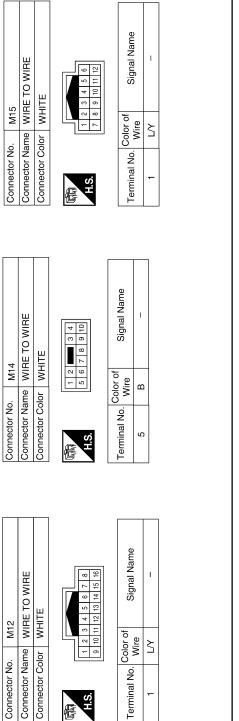
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				21 20		
M18	Connector Name BCM (BODY CONTROL MODULE)	GREEN		39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 35 58 55 56 55 56 57 57 58 59 58 57 58 58 58 58 58 58 58 58 58 58 58 58 58		or of Signal Name
Connector No. M18	Connector Name	Connector Color GREEN	H.S.	39 38 37 36 35 34 33 59 58 57 56 55 54 53		Terminal No. Wire
	Connector Name BCM (BODY CONTROL MODULE)	TE .	4 5 6 7 6 9 10 11 12 13 14 15 16 17 18 19	Signal Name	GND1	
M17	me BCM MOE	or WHI	4 5 6 11 12 13	Color of Wire	В	
Connector No. M17	Connector Nar	Connector Color WHITE	H.S.	Terminal No. Wire	13	
	3CM (BODY CONTROL AODULE)	CK	2 2	Signal Name	BAT_POWER_F/L	
M16	ne BCN MOE	or BLA		Color of Wire	M/B	
Connector No.	Connector Name BCM (BODY CON MODULE)	Connector Color BLACK	H.S.	Terminal No. Wire	-	

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REAR_DEFOGGER_SW REAR_DEFOGGER_R LY

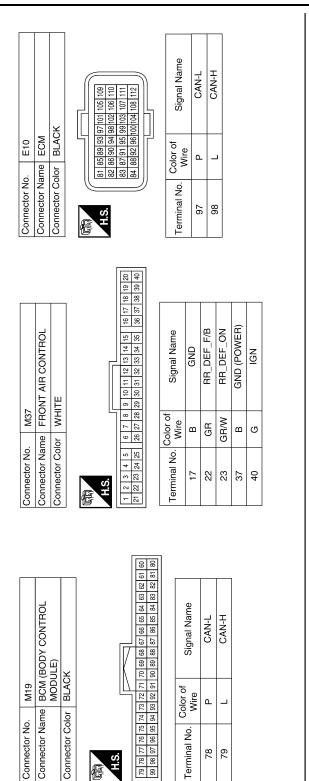
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Connector No.). E21		Connector No.	. E22	
Connector Na	ame JOIN	Connector Name JOINT CONNECTOR-E03	Connector Na	me JOINT CO	Connector Name JOINT CONNECTOR-E04
Connector Color WHITE	olor WHIT	TE	Connector Color WHITE	lor WHITE	
南南 H.S.	4	8 3 2 1 1	H.S.	04321	
Terminal No. Wire	Color of Wire	Signal Name	Terminal No. Color of Wire	Color of Wire	Signal Name
-	_	ı	-	Ь	-
2	_	1	2	А	I

IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	巴	42 41 40 39 46 45 44 43	Signal Name	CAN-L	CAN-H
	lor WHITE	45	Color of Wire	Ь	Γ
Connector Name	Connector Color	雨 H.S.	Terminal No.	39	40
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Connector No. E17

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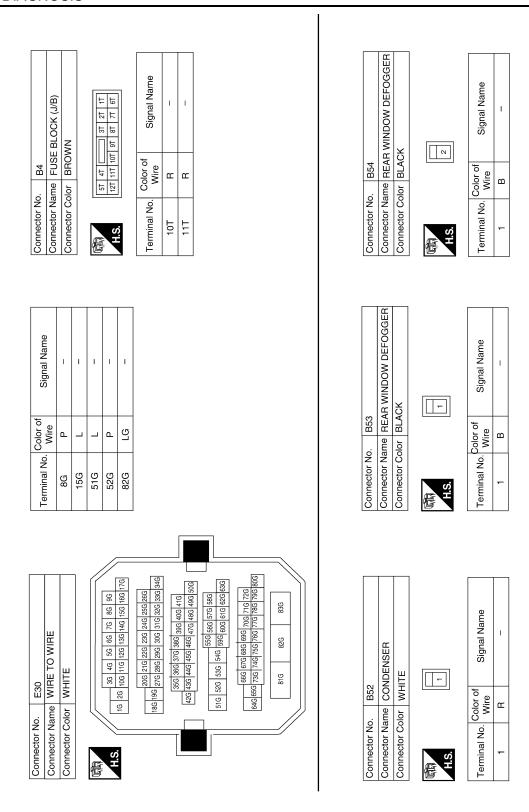
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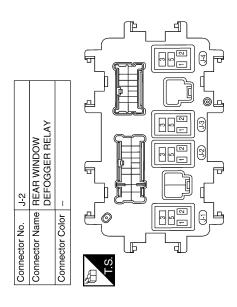


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DOOR MIRROR LH WHITE or of Signal Name I'R HEATER(+) B HEATER(+) B HEATER(+) Or of Signal Name or of Signal Name or of Signal Name ire HEATER(+) A HEATER(+) Signal Name or of Signal Name A HEATER(+) Signal Name or of Signal Name a HEATER(+) Signal Name or of Signal Name or of Signal Name a HEATER(+) A HEATER GND	АВ
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Connector No. Connector Name Connector Color 1 Connector Name Connector Name Connector Name Connector Name Terminal No. Connector Name Connector Name Connector Name Connector Name Connector Name Las. A.S.	D
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D2 WHE TO WIRE WHITE WHITE WHITE WHITE WHITE Signal Name WIRE TO WIRE WIRE TO WIRE WHITE WHITE Signal Name Signal	G H
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REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGER DO NOT OPER-ATE.

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS Α REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGER DO NOT OPERATE. В Diagnosis Procedure INFOID:0000000004205813 1. CHECK REAR WINDOW DEFOGGER SWITCH C Check rear window defogger switch. Refer to DEF-13, "Component Function Check". D Is the inspection result normal? YES >> GO TO 2 NO >> Repair or replace the malfunctioning parts. Е $oldsymbol{2}$. CHECK REAR WINDOW DEFOGGER RELAY Check rear window defogger relay. Refer to DEF-11, "Component Function Check". F Is the inspection result normal? YES >> Refer to GI-42, "Intermittent Incident". NO >> Repair or replace the malfunctioning parts. Н J K DEF M Ν 0

REAR WINDOW DEFOGGER DOES NOT OPERATE BUT BOTH OF DOOR MIR-ROR DEFOGGER OPERATE.

< SYMPTOM DIAGNOSIS >

REAR WINDOW DEFOGGER DOES NOT OPERATE BUT BOTH OF DOOR MIRROR DEFOGGER OPERATE.

Diagnosis Procedure

INFOID:0000000004205814

1. CHECK REAR WINDOW DEFOGGER POWER SUPPLY AND GROUND CIRCUIT

Check rear window defogger power supply and ground circuit. Refer to <u>DEF-13</u>, "Component Function Check".

Is the inspection result normal?

YES >> Refer to GI-42, "Intermittent Incident".

NO >> Repair or replace the malfunctioning parts.

BOTH DOORS MIRROR DEFOGGER DON'T OPERATE BUT REAR WINDOW DEFOGGER OPERATES

< SYMPTOM DIAGNOSIS >

BOTH DOORS MIRROR DEFOGGER DON'T OPERATE BUT REAR WINDOW DEFOGGER OPERATES

Diagnosis Procedure

1. CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to GI-42, "Intermittent Incident".

Is the inspection result normal?

YES >> Check the following.

- Battery power supply circuit.
- Fuse block (J/B).

NO >> Repair or replace the malfunctioning parts.

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DRIVER SIDE DOOR MIRROR DEFOGGER DOES NOT OPERATE.

< SYMPTOM DIAGNOSIS >

DRIVER SIDE DOOR MIRROR DEFOGGER DOES NOT OPERATE.

Diagnosis Procedure

INFOID:0000000004205816

1. CHECK DOOR MIRROR DEFOGGER LH

Check door mirror defogger LH.

Refer to DEF-15, "Component Function Check".

Is the inspection result normal?

YES >> Refer to GI-42, "Intermittent Incident".

NO >> Repair or replace the malfunctioning parts.

PASSENGER SIDE DOOR MIRROR DEFOGGER DOES NOT OPERATE.

< SYMPTOM DIAGNOSIS >

PASSENGER SIDE DOOR MIRROR DEFOGGER DOES NOT OPERATE. Α Diagnosis Procedure INFOID:0000000004205817 1. CHECK DOOR MIRROR DEFOGGER RH В Check door mirror defogger RH. Refer to DEF-17, "Component Function Check". С Is the inspection result normal? >> Refer to GI-42, "Intermittent Incident". YES NO >> Repair or replace the malfunctioning parts. D Ε F Н J K DEF M Ν 0 Р

REAR WINDOW DEFOGGER SWITCH DOES NOT LIGHT, BUT REAR WINDOW DEFOGGER OPERATES

< SYMPTOM DIAGNOSIS >

REAR WINDOW DEFOGGER SWITCH DOES NOT LIGHT, BUT REAR WINDOW DEFOGGER OPERATES

Diagnosis Procedure

INFOID:0000000004205818

1. CHECK FRONT AIR CONTROL (REAR WINDOW DEFOGGER SWITCH)

Check that the front air control (rear window defogger switch) is operating normally. Is the inspection result normal?

YES >> Refer to GI-42, "Intermittent Incident".

NO >> Refer to <u>DEF-10</u>, "<u>Diagnosis Procedure</u>".

PRECAUTION

PRECAUTIONS

Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSION
INFOID:00000000420581

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 SR and SB section of this Service Manual.

WARNING:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, 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 the SR section.
- Do not 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 Necessary for Steering Wheel Rotation after Battery Disconnect

INFOID:0000000004460415

NOTE:

- Before removing and installing any control units, first turn the push-button ignition switch to the LOCK position, then disconnect both battery cables.
- After finishing work, confirm that all control unit connectors are connected properly, then re-connect both battery cables.
- Always use CONSULT-III to perform self-diagnosis as a part of each function inspection after finishing work. If a DTC is detected, perform trouble diagnosis according to self-diagnosis results.

This vehicle is equipped with a push-button ignition switch and a steering lock unit.

If the battery is disconnected or discharged, the steering wheel will lock and cannot be turned.

If turning the steering wheel is required with the battery disconnected or discharged, follow the procedure below before starting the repair operation.

OPERATION PROCEDURE

1. Connect both battery cables.

NOTE:

Supply power using jumper cables if battery is discharged.

- 2. Carry the Intelligent Key or insert it to the key slot and turn the push-button ignition switch to ACC position. (At this time, the steering lock will be released.)
- 3. Disconnect both battery cables. The steering lock will remain released with both battery cables disconnected and the steering wheel can be turned.
- 4. Perform the necessary repair operation.
- 5. When the repair work is completed, re-connect both battery cables. With the brake pedal released, turn the push-button ignition switch from ACC position to ON position, then to LOCK position. (The steering wheel will lock when the push-button ignition switch is turned to LOCK position.)
- Perform self-diagnosis check of all control units using CONSULT-III.

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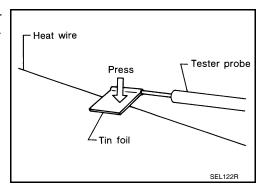
ON-VEHICLE REPAIR

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Inspection and Repair

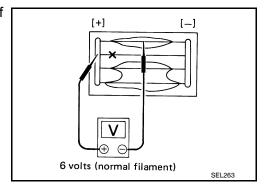
INSPECTION

1. When measuring voltage, wrap tin foil around the top of the negative probe. Then press the foil against the wire with your finger.

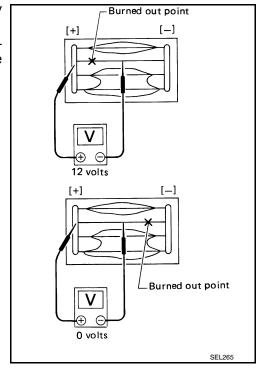


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2. Attach probe circuit tester (in Volt range) to middle portion of each filament.



- 3. If a filament is burned out, circuit tester registers 0 or battery voltage.
- To locate burned out point, move probe to left and right along filament. Test needle will swing abruptly when probe passes the point.



REPAIR

REPAIR EQUIPMENT

• Conductive silver composition (Dupont No. 4817 or equivalent)

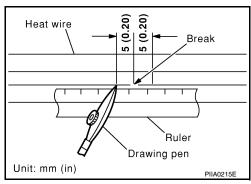
FILAMENT

< ON-VEHICLE REPAIR >

- Ruler 30 cm (11.8 in) long
- Drawing pen
- Heat gun
- Alcohol
- Cloth

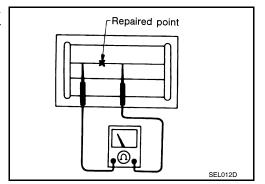
REPAIRING PROCEDURE

- 1. Wipe broken heat wire and its surrounding area clean with a cloth dampened in alcohol.
- 2. Apply a small amount of conductive silver composition to tip of drawing pen.
 - Shake silver composition container before use.
- Place ruler on glass along broken line. Deposit conductive silver composition on break with drawing pen. Slightly overlap existing heat wire on both sides [preferably 5 mm (0.20 in)] of the break.



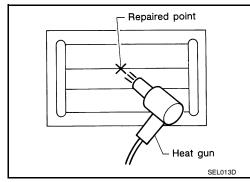
4. After repair has been completed, check repaired wire for continuity. This check should be conducted 10 minutes after silver composition is deposited.

Do not touch repaired area while test is being conducted.



 Apply a constant stream of hot air directly to the repaired area for approximately 20 minutes with a heat gun. A minimum distance of 3 cm (1.2 in) should be kept between repaired area and hot air outlet.

If a heat gun is not available, let the repaired area dry for 24 hours.



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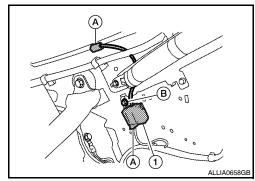
CONDENSER

Removal and Installation - Coupe

INFOID:0000000004205821

REMOVAL

- 1. Remove the rear seat cushion and the rear seatback. Refer to <u>SE-25</u>, "<u>Removal and Installation</u>".
- 2. Remove the rear kicking plate, rear wheel well garnish and the rear pillar finisher. Refer to <u>INT-19</u>, "Removal and Installation".
- 3. Disconnect the connectors (A), remove bolt (B), and then remove condenser (1) from the vehicle body.



INSTALLATION

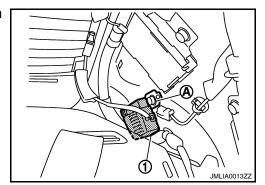
Installation is in the reverse order of removal.

Removal and Installation - Sedan

INFOID:0000000004205822

REMOVAL

- 1. Remove the rear seat cushion and the rear seatback. Refer to <u>SE-53</u>, "Removal and Installation".
- 2. Remove the rear kicking plate, rear wheel well garnish and the rear pillar finisher. Refer to INT-36, "Removal and Installation".
- 3. Disconnect the electrical connector, remove bolt (A), and then remove condenser (1) from the vehicle body.



INSTALLATION

Installation is in the reverse order of removal.