SECTION MTC
MANUAL AIR CONDITIONER

CONTENTS

PRECAUTIONS

PFP:00001

Precautions for Supplemental Restraint System (SRS) “AIR BAG” and “SEAT BELT PRE-TENSIONER”

EJS004L7

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. Information necessary to service the system safely is included in the SRS 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 SRS 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.**

Wiring Diagrams and Trouble Diagnosis

EJS000WA

When you read wiring diagrams, refer to the following:

- GI-14, "How to Read Wiring Diagrams" in GI section.
- PG-3, "Wiring Diagram — POWER —" in PG section.

When you perform trouble diagnosis, refer to the following:

- GI-10, "How to Follow Trouble Diagnoses" in GI section.
- GI-23, "How to Perform Efficient Diagnosis for an Electrical Incident" in GI section.

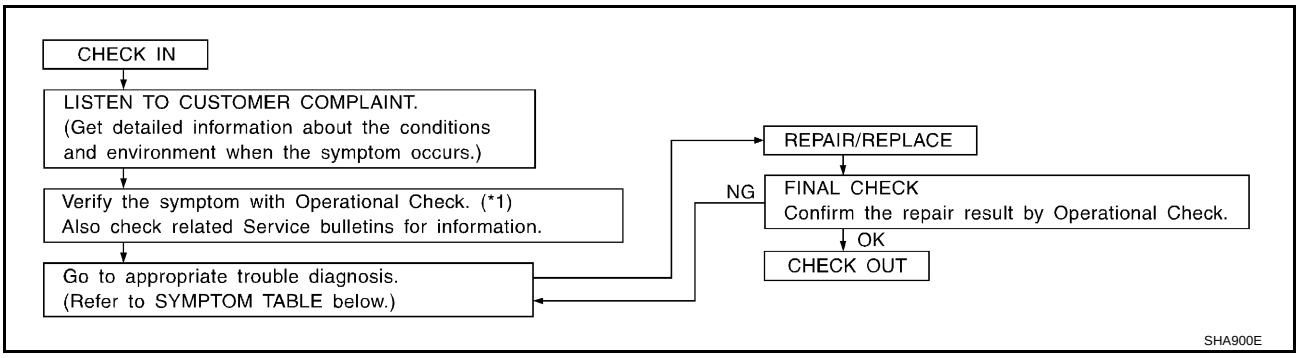
TROUBLE DIAGNOSIS

PFP:00004

How to Perform Trouble Diagnoses for Quick and Accurate Repair

EJS001FB

WORK FLOW



*1 MTC-7, "Operational Check"

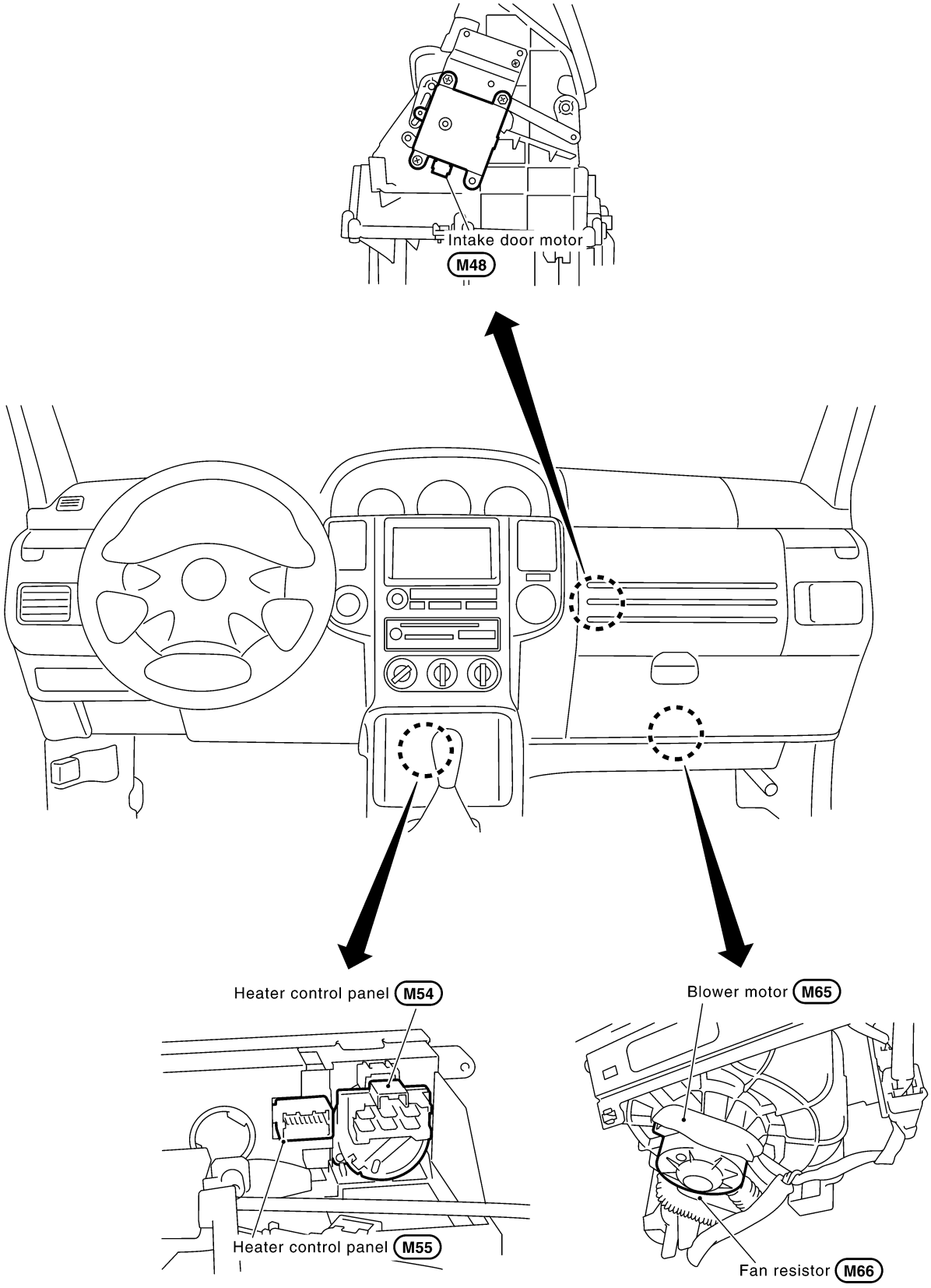
SYMPTOM TABLE

Symptom	Reference Page	
Air outlet does not change.	Go to Trouble Diagnosis Procedure for Mode Door.	MTC-9, "Mode Door"
Discharge air temperature does not change.	Go to Trouble Diagnosis Procedure Air Mix Door.	MTC-10, "Air Mix Door"
Intake door does not change.	Go to Trouble Diagnosis Procedure for Intake Door Motor Circuit.	MTC-11, "Intake Door Motor Circuit"
Intake door motor does not operate normally.		
Blower motor operation is malfunctioning.	Go to Trouble Diagnosis Procedure for Blower Motor Circuit.	MTC-15, "Blower Motor Circuit"
Insufficient heating	Go to Trouble Diagnosis Procedure for Insufficient Heating.	MTC-19, "Insufficient Heating"

Component Parts and Harness Connector Location

EJS001FC

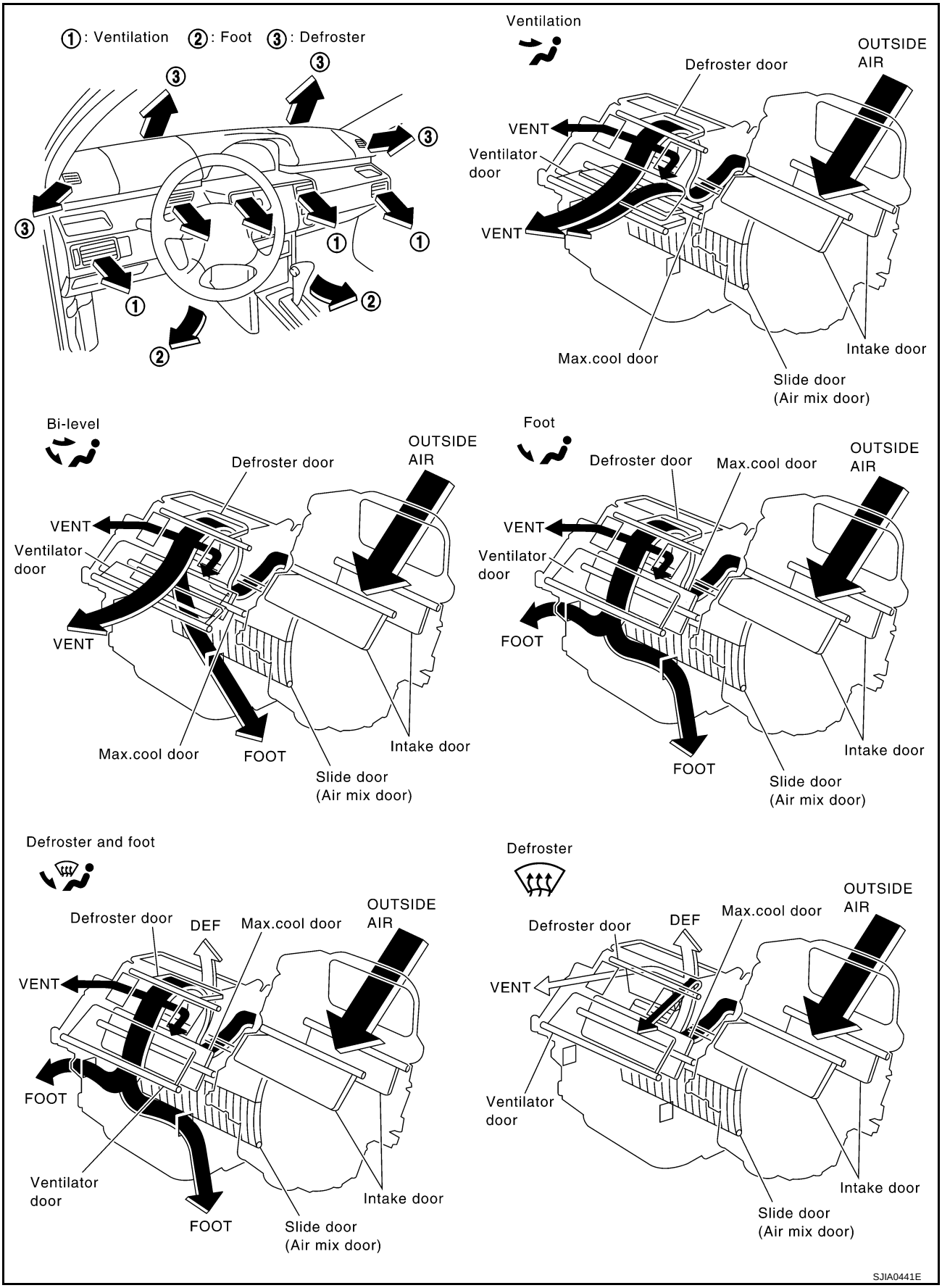
PASSENGER COMPARTMENT



RJIA2845E

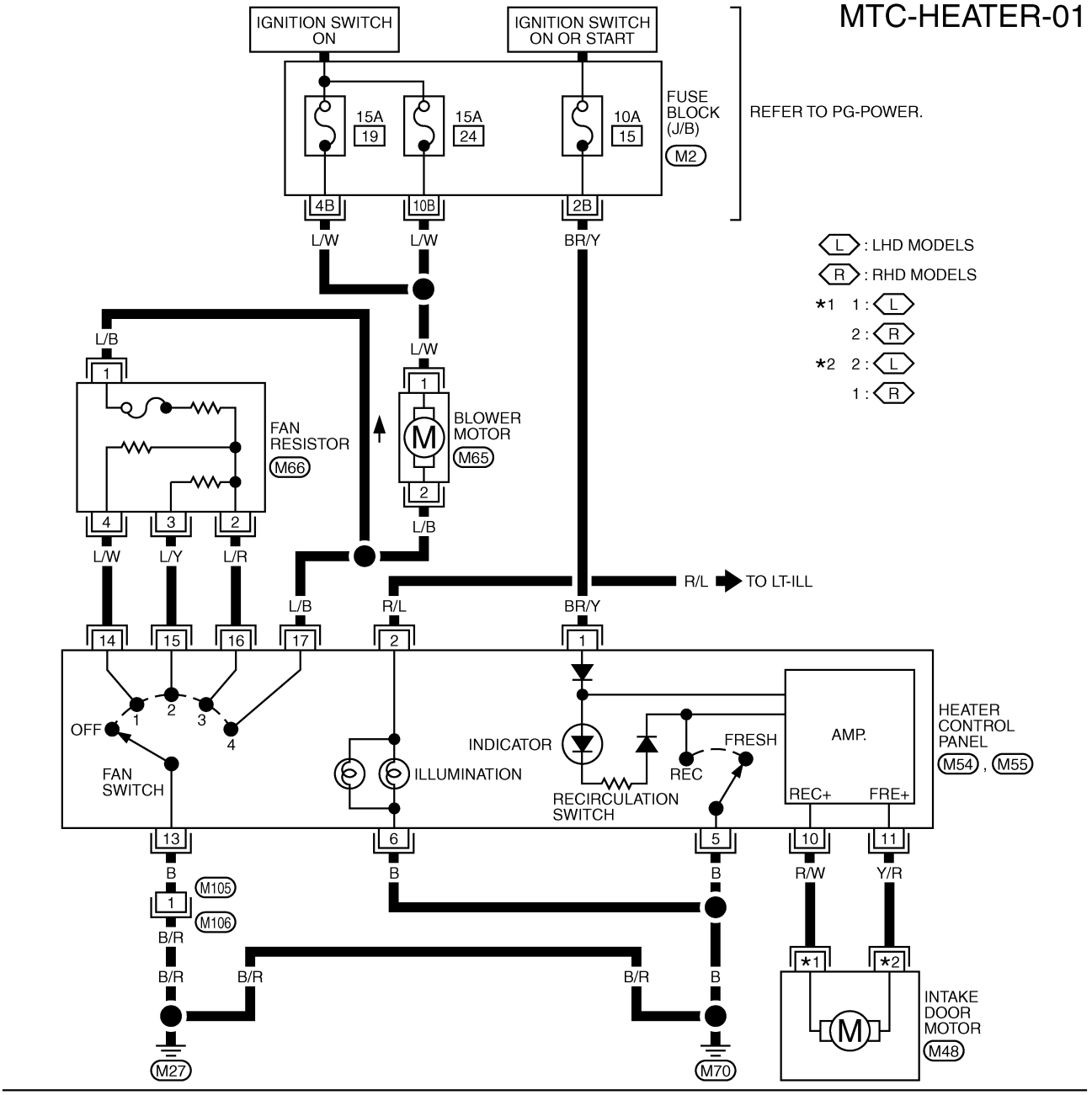
Discharge Air Flow

EJS001HF



Wiring Diagram —HEATER—

EJS001FD



REFER TO THE FOLLOWING.

M2 -FUSE BLOCK-JUNCTION BOX (J/B)

TJWA0076E

Operational Check

EJS001FE

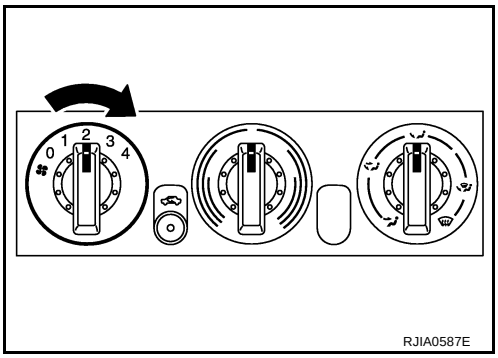
The purpose of the operational check is to confirm that the system operates properly.

Conditions **:Engine running at usual operating temperature**

CHECKING BLOWER

1. Turn fan switch to 1st-speed. Blower should operate on low speed.
2. Then turn fan switch to 2nd-speed, and continue checking blower speed until all speeds are checked.
3. Leave blower on Max. speed.

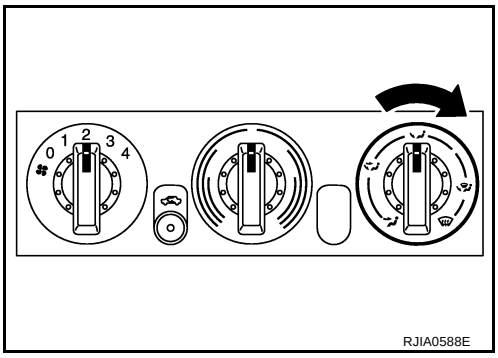
If NG, go to trouble diagnosis procedure for MTC-15, "Blower Motor Circuit" .
If OK, continue with the check.



RJIA0587E

CHECKING DISCHARGE AIR

1. Turn mode control dial to each position.



RJIA0588E

2. Confirm that discharge air comes out according to the air distribution table. Refer to MTC-5, "Discharge Air Flow" .

If NG, go to trouble diagnosis procedure for MTC-9, "Mode Door" .
If OK, continue the check.

Discharge air flow

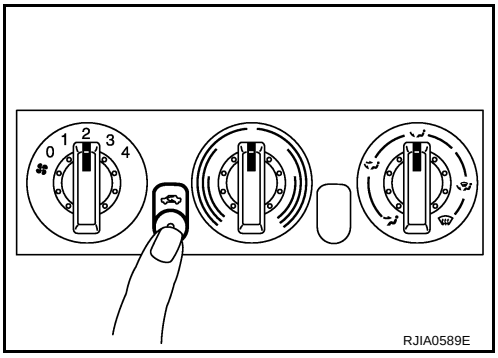
Mode door position	Air outlet/distribution		
	Face	Foot	Defroster
	100%	–	–
	60%	40%	–
	24%	76%	–
	18%	54%	28%
	20%	–	80%

RJIA0492E

CHECKING RECIRCULATION

1. Press REC switch. Recirculation indicator should eliminate.
2. Press REC switch again. Recirculation indicator should not illuminate.
3. Listen for intake door position change (you should hear blower sound change slightly).

If NG, go to trouble diagnosis procedure for MTC-11, "Intake Door Motor Circuit" .
If OK, continue the check.

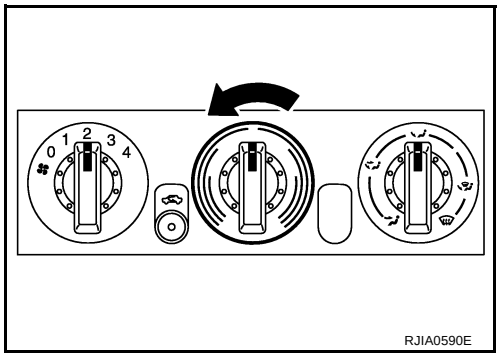


RJIA0589E

CHECKING TEMPERATURE DECREASE

1. Turn temperature control dial to full cold position.
2. Check for cold air at discharge air outlets.

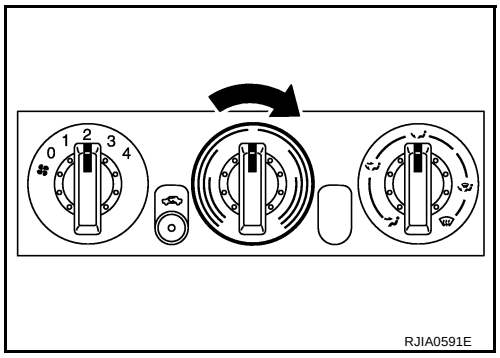
If NG, go to trouble diagnosis procedure for MTC-10, "Air Mix Door"
If OK, continue the check.



CHECKING TEMPERATURE INCREASE

1. Turn temperature control dial to full hot position.
2. Check for hot air at discharge air outlets.

If NG, go to trouble diagnosis procedure for MTC-19, "Insufficient Heating" .
If all operational check are OK (symptom cannot be duplicated), go to Incident Simulation Tests in GI-23, "How to Perform Efficient Diagnosis for an Electrical Incident" and perform tests as outlined to simulate driving conditions environment. If symptom appears, refer to MTC-3, "SYMPTOM TABLE" and perform applicable trouble diagnosis procedures.



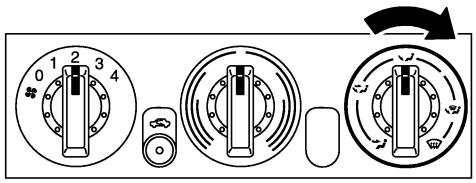
Mode Door

EJS001FF

SYMPTOM: Air outlet does not change.

INSPECTION FLOW

1. Confirm symptom by performing the following operation.



Discharge air flow

Mode door position	Air outlet/distribution		
	Face	Foot	Defroster
	100%	–	–
	60%	40%	–
	24%	76%	–
	18%	54%	28%
	20%	–	80%

OPERATIONAL CHECK – Mode door

a. Turn the mode control knob to each position.
b. Confirm that discharge air comes out according to the distribution table at left.
Refer to “Discharge Air Flow”, (*1).

2. Check for any service bulletins.

3. Check mode door control cable. (*3)

OK

4. If the symptom still exists, perform a complete operational check (*2) and check for other symptoms. [Refer to symptom table, (*4).]
Does another symptom exist?

Yes → Go to Trouble Diagnosis for related symptom.
[Another symptom exists.]

No

INSPECTION END

RJIA0592E

*1 MTC-5, "Discharge Air Flow". *2 MTC-7, "Operational Check". *3 MTC-31, "MODE DOOR".
*4 MTC-3, "SYMPTOM TABLE".

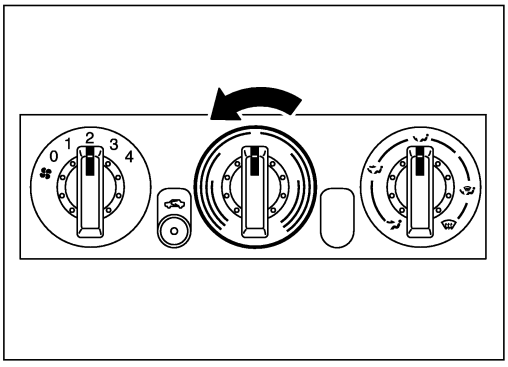
Air Mix Door

EJS001FG

SYMPTOM: Air mix door does not change.

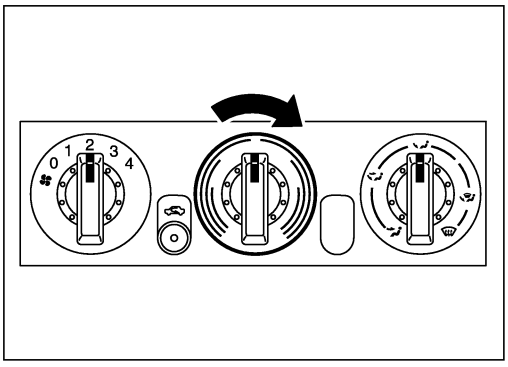
INSPECTION FLOW

1. Confirm symptom by performing the following operational check.



OPERATIONAL CHECK – Temperature decrease and increase

1. Check Temperature Decrease
1) Turn temperature control dial to full cold.
2) Check for cold air at discharge air outlets.



2. Check Temperature Increase
1) Turn temperature control dial to full hot.
2) Check for hot air at discharge air outlets.

If OK (symptom cannot be duplicated). Perform complete operational check. (*3)
If NG (symptom is confirmed), continue with STEP-2 following.

2. Check for any service bulletins.

3. Check air mix door. (*1)

OK

If the symptom still exist, perform a complete operational check (*3) and check for other symptoms.
[Refer to symptom table, (*2).]
Does another symptom exist?

Yes → Go to Trouble Diagnosis for related symptom.

[Another symptom exists.]

No → INSPECTION END

RJIA0593E

*1 MTC-32, "AIR MIX DOOR". *2 MTC-3, "SYMPTOM TABLE". *3 MTC-7, "Operational Check".

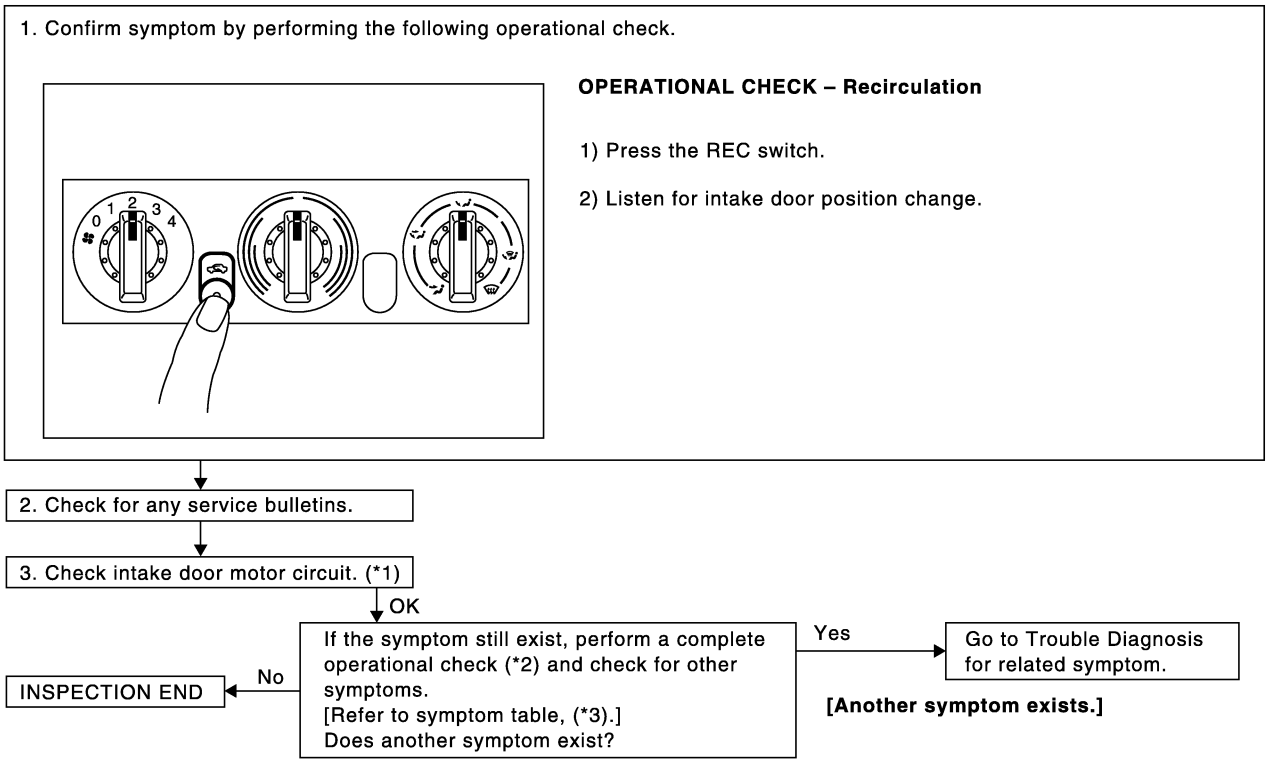
Intake Door Motor Circuit

EJS004HC

SYMPTOM:

- Intake door does not change.
- Intake door motor does not operate normally.

INSPECTION FLOW

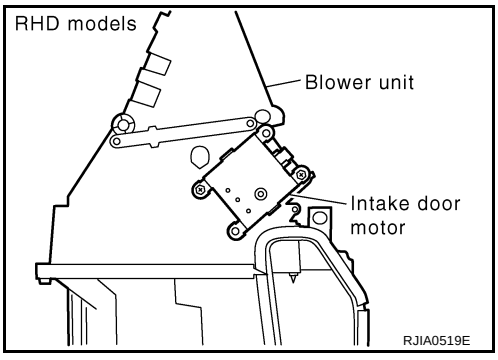


*1 MTC-11, "Intake Door Motor Circuit". *2 MTC-7, "Operational Check". *3 MTC-3, "SYMPTOM TABLE".

COMPONENT DESCRIPTION

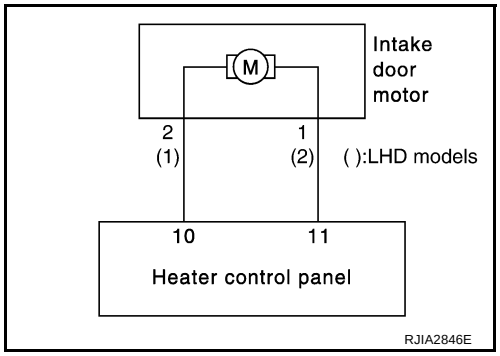
Intake Door Motor

The intake door motor is attached to the intake unit. It rotates so that air is drawn from inlets set by the heater control panel. Motor rotation is conveyed to a lever which activates the intake door.



DIAGNOSTIC PROCEDURE FOR INTAKE DOOR MOTOR

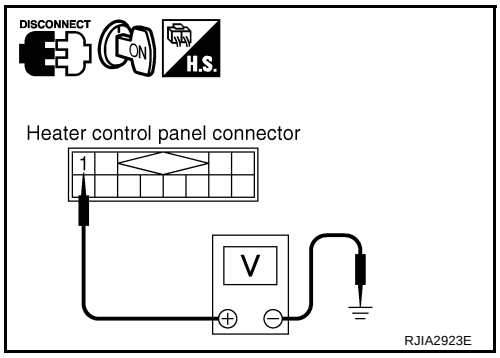
SYMPTOM: Intake door does not operate normally.



1. CHECK POWER SUPPLY FOR HEATER CONTROL PANEL

1. Disconnect heater control panel connector.
2. Turn ignition switch ON.
3. Check voltage between heater control panel harness connector M55 terminal 1 (BR/Y) and ground.

1 – Ground : Battery voltage



OK or NG

OK >> GO TO 2.

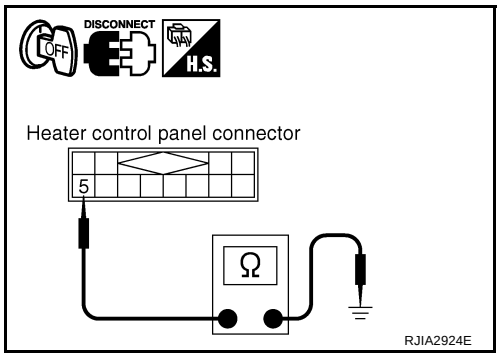
NG >> Check power supply circuit and 10 A fuse [No. 15, located in the fuse block (J/B)]. Refer to PG-79, "FUSE BLOCK - JUNCTION BOX (J/B)" .

- If OK, check harness for open circuit. Repair or replace if necessary.
- If NG, replace fuse and check harness for short circuit. Repair or replace if necessary.

2. CHECK GROUND CIRCUIT FOR HEATER CONTROL PANEL

1. Turn ignition switch OFF.
2. Check continuity between heater control panel harness connector M55 terminal 5 (B) and ground.

5 – Ground : Continuity should exist.



OK or NG

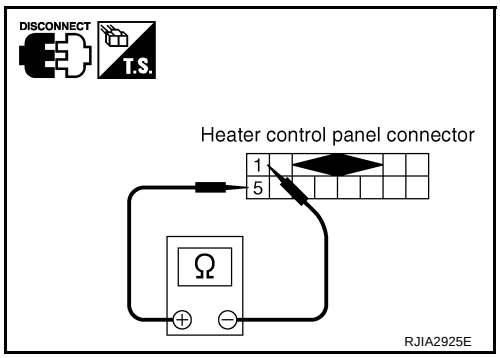
OK >> GO TO 3.

NG >> Repair harness or connector.

3. CHECK RECIRCULATION SWITCH CIRCUIT

1. Press REC (recirculation) switch.
2. Check continuity between heater control panel harness connector M55 terminal 1 (BR/Y) and 5 (B).

1 (–) – 5 (+) : Continuity should exist.



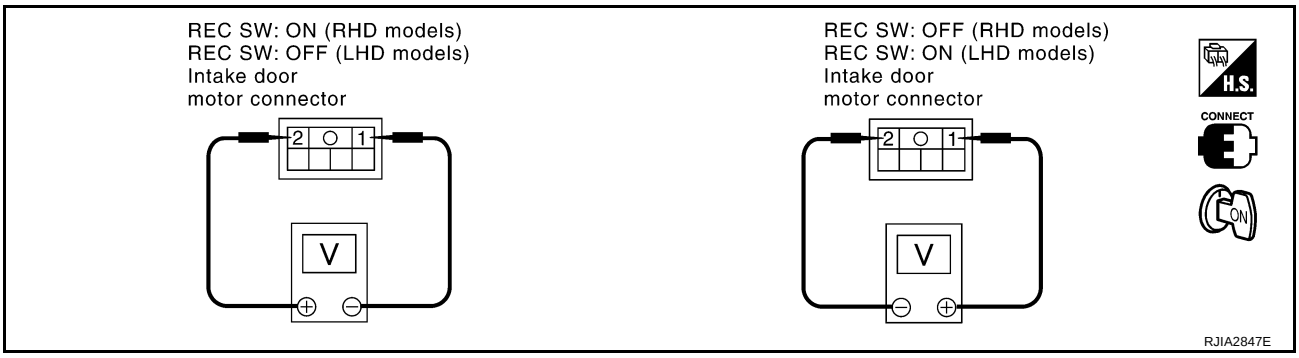
OK or NG

OK >> GO TO 4.

NG >> Replace heater control panel.

4. CHECK POWER SUPPLY FOR INTAKE DOOR MOTOR

1. Reconnect heater control panel connector.
2. Turn ignition switch ON.
3. Check voltage between intake door motor harness connector M48 terminal 1 (Y/R: RHD models, R/W: LHD models) and 2 (R/W: RHD models, L/R: LHD models).



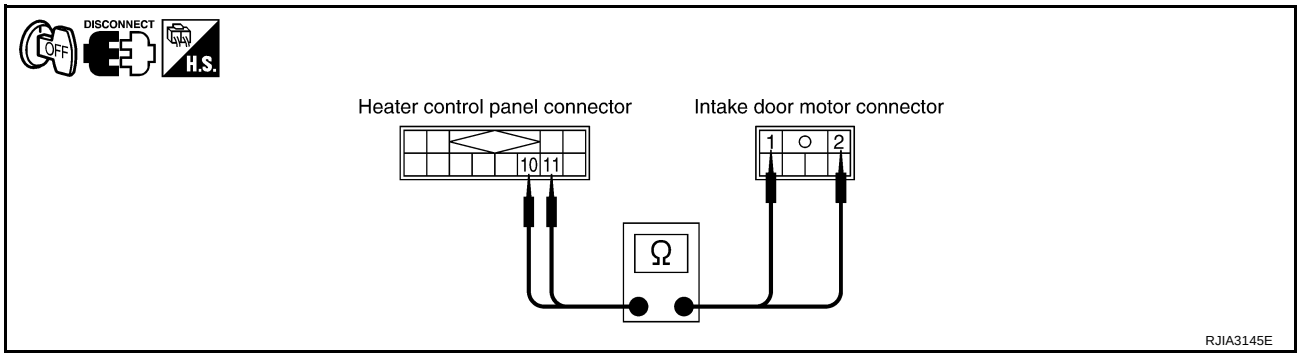
Model	Terminals				Condition	Voltage
	(+)		(-)			
	Intake door motor connector	Terminal No. (wire color)	Intake door motor connector	Terminal No. (wire color)		
RHD models	M48	2 (R/W)	M48	1 (Y/R)	REC SW: ON	Approx. 12V
		1 (Y/R)		2 (R/W)	REC SW: OFF	
LHD models	M48	1 (R/W)	M48	2 (Y/R)	REC SW: ON	Approx. 12V
		2 (Y/R)		1 (R/W)	REC SW: OFF	

OK or NG

OK >> Replace intake door motor.
NG >> GO TO 5.

5. CHECK CIRCUIT CONTINUITY BETWEEN HEATER CONTROL PANEL AND INTAKE DOOR MOTOR

1. Turn ignition switch OFF.
2. Disconnect heater control panel connector and intake door motor connector.
3. Check continuity between heater control panel harness connector M55 terminal 10 (R/W) and intake door motor harness connector M48 terminal 2 (R/W: RHD models) or 1 (R/W: LHD models).
4. Check continuity between heater control panel harness connector M55 terminal 11 (Y/R) and intake door motor harness connector M48 terminal 1 (Y/R: RHD models) or 2 (Y/R: LHD models).



Terminals				Continuity
Heater control panel connector		Intake door motor connector		
Connector	Terminal No. (wire color)	Connector	Terminal No. (wire color)	
M55	10 (R/W)	M48	2 (R/W): RHD models	Yes
			1 (R/W): LHD models	
M55	11 (Y/R)	M48	1 (Y/R): RHD models	
			2 (Y/R): LHD models	

OK or NG

OK >> Replace heater control panel.
NG >> Repair harness or connector.

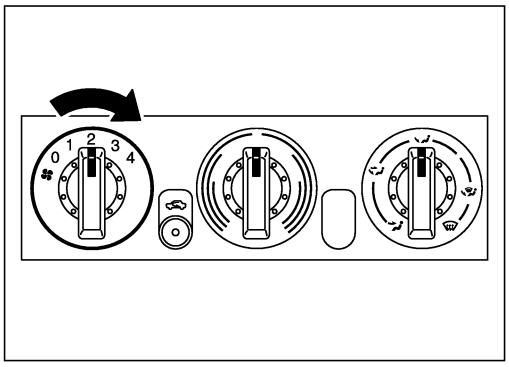
Blower Motor Circuit

EJS001FI

SYMPTOM: Blower motor operation is malfunctioning.

INSPECTION FLOW

1. Confirm symptom by performing the following operational check.



OPERATIONAL CHECK – Blower motor

1) Turn fan switch to 1-speed.
   Blower should operate on 1-speed.
2) Then turn tan switch to 2-speed.
3) Continue checking blower speed until all four speeds are checked.
4) Leave blower on 4-speed.

If OK (symptom cannot be duplicated), perform complete operational check (*4).
If NG (symptom is confirmed), continue with STEP-2 following.

2. Check for any service bulletins.

3. Check blower motor circuit. (*1)

OK

If the symptom still exist, perform a complete operational check (*2) and check for other symptoms.
[Refer to symptom table, (*3).]
Does another symptom exist?

Yes → Go to Trouble Diagnosis for related symptom.

[Another symptom exists.]

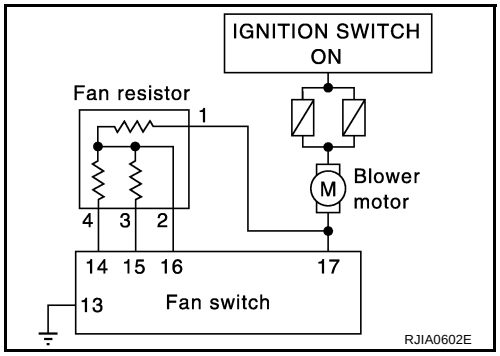
No → INSPECTION END

RJIA0601E

*1 MTC-16, "DIAGNOSTIC PROCEDURE FOR BLOWER MOTOR".
*2 MTC-7, "Operational Check".
*3 MTC-3, "SYMPTOM TABLE".
*4 MTC-7, "Operational Check".

DIAGNOSTIC PROCEDURE FOR BLOWER MOTOR

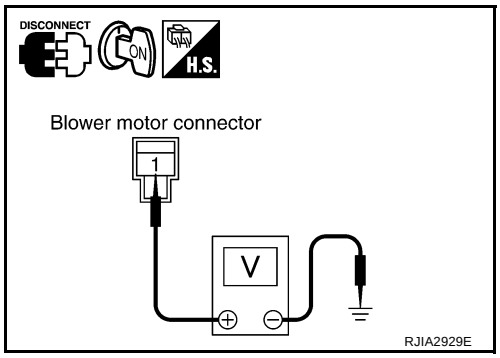
SYMPTOM: Blower motor operation is malfunctioning.



1. CHECK POWER SUPPLY FOR BLOWER MOTOR

1. Disconnect blower motor connector.
2. Turn ignition switch ON.
3. Check voltage between blower motor harness connector M65 terminal 1 (L/W) and ground.

1 – Ground : Battery voltage



OK or NG

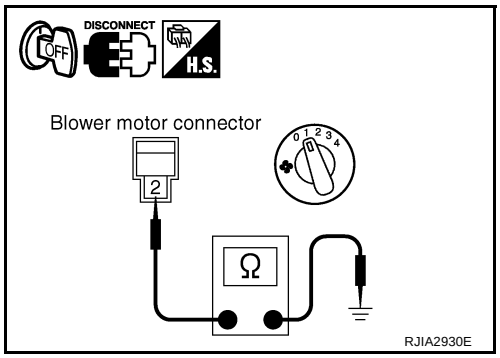
OK >> GO TO 2.
NG >> Check power supply circuit and 15A fuses [Nos. 19 and 24, located in the fuse block (J/B)]. Refer to PG-79, "FUSE BLOCK - JUNCTION BOX (J/B)" .

- If OK, check harness for open circuit. Repair or replace if necessary.
- If NG, replace fuse and check harness for short circuit. Repair or replace if necessary.

2. CHECK GROUND CIRCUIT FOR BLOWER MOTOR

1. Turn ignition switch OFF.
2. Turn fan switch to 1-speed.
3. Check continuity between blower motor harness connector M65 terminal 2 (L/B) and ground.

2 – Ground : Continuity should exist.



OK or NG

OK >> GO TO 3.
NG >> GO TO 4.

3. CHECK BLOWER MOTOR

Refer to MTC-18, "Blower Motor" .

OK or NG

OK >> INSPECTION END
NG >> Replace blower motor.

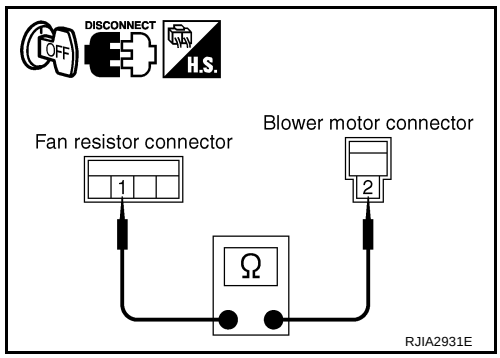
4. CHECK CIRCUIT CONTINUITY BETWEEN BLOWER MOTOR AND FAN RESISTOR

1. Disconnect fan resistor connector.
2. Check continuity between fan resistor harness connector M66 terminal 1 (L/B) and blower motor harness connector M65 terminal 2 (L/B).

1 – 2 : Continuity should exist.

OK or NG

OK >> GO TO 5.
NG >> Repair harness or connector.



5. CHECK FAN RESISTOR

Refer to MTC-18, "Fan Resistor" .

OK or NG

OK >> GO TO 6.
NG >> Replace fan resistor.

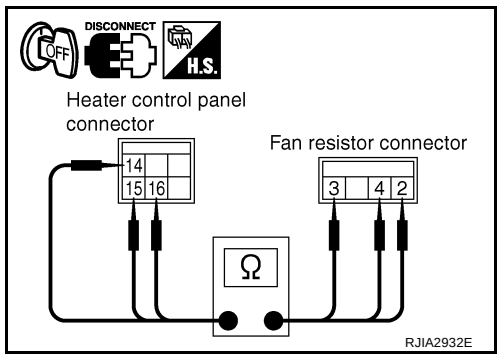
6. CHECK CIRCUIT CONTINUITY BETWEEN FAN RESISTOR AND HEATER CONTROL PANEL

1. Disconnect heater control panel connector.
2. Check continuity between fan resistor harness connector M66 terminal 2 (L/R), 3 (L/Y) or 4 (L/W) and heater control panel harness connector M54 terminal 14 (L/W), 15 (L/Y) or 16 (L/R).

2 – 16 : Continuity should exist.
3 – 15 : Continuity should exist.
4 – 14 : Continuity should exist.

OK or NG

OK >> GO TO 7.
NG >> Repair harness or connector.



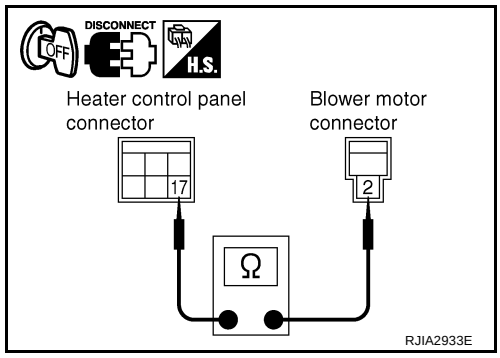
7. CHECK CIRCUIT CONTINUITY BETWEEN BLOWER MOTOR AND HEATER CONTROL PANEL

Check continuity between blower motor harness connector M65 terminal 2 (L/B) and heater control panel harness connector M54 terminal 17 (L/B).

2 – 17 : Continuity should exist.

OK or NG

OK >> GO TO 8.
NG >> Repair harness or connector.



8. CHECK FAN SWITCH

Refer to MTC-18, "Fan Switch" .

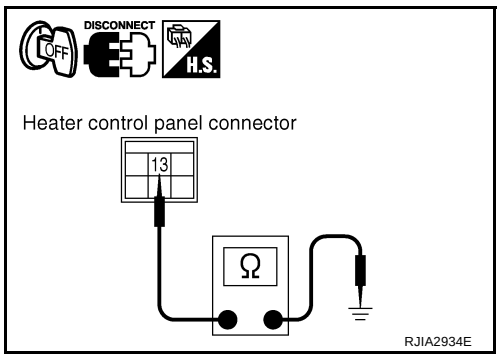
OK or NG

OK >> GO TO 9.
NG >> Replace fan switch.

9. CHECK GROUND CIRCUIT

Check continuity between heater control panel harness connector M54 terminal 13 (B) and ground.

13 – Ground : Continuity should exist.



OK or NG

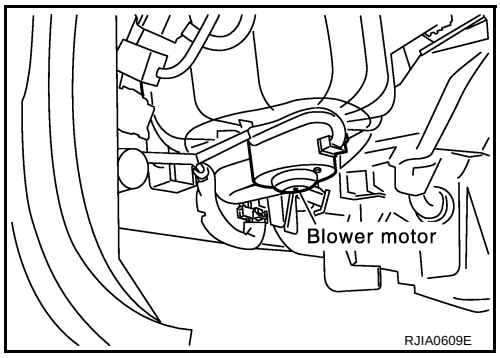
OK >> INSPECTION END
NG >> Repair harness or connector.

COMPONENT INSPECTION

Blower Motor

Confirm smooth rotation of the blower motor.

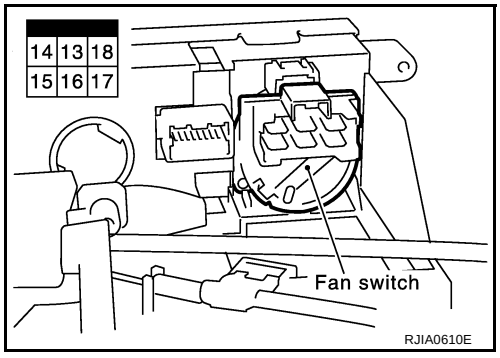
- Ensure that there are no foreign particles inside the intake unit.



Fan Switch

Check continuity between heater control connector M54 terminals at each switch position.

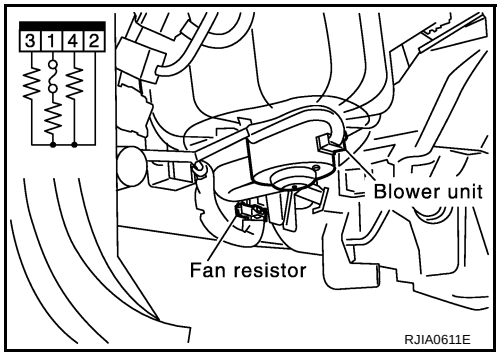
Switch position	Terminals	Continuity
OFF	13 - 14, 15, 16, 17	No
1	13 - 14	Yes
2	13 - 15	
3	13 - 16	
4	13 - 17	



Fan Resistor

Check resistance between fan resister connector M66 terminals.

Terminals		Resistance (Ω)	
		LHD	RHD
1	2	0.25 - 0.31	0.28 - 0.34
	3	0.58 - 0.70	0.79 - 0.97
	4	1.33 - 1.63	1.84 - 2.24

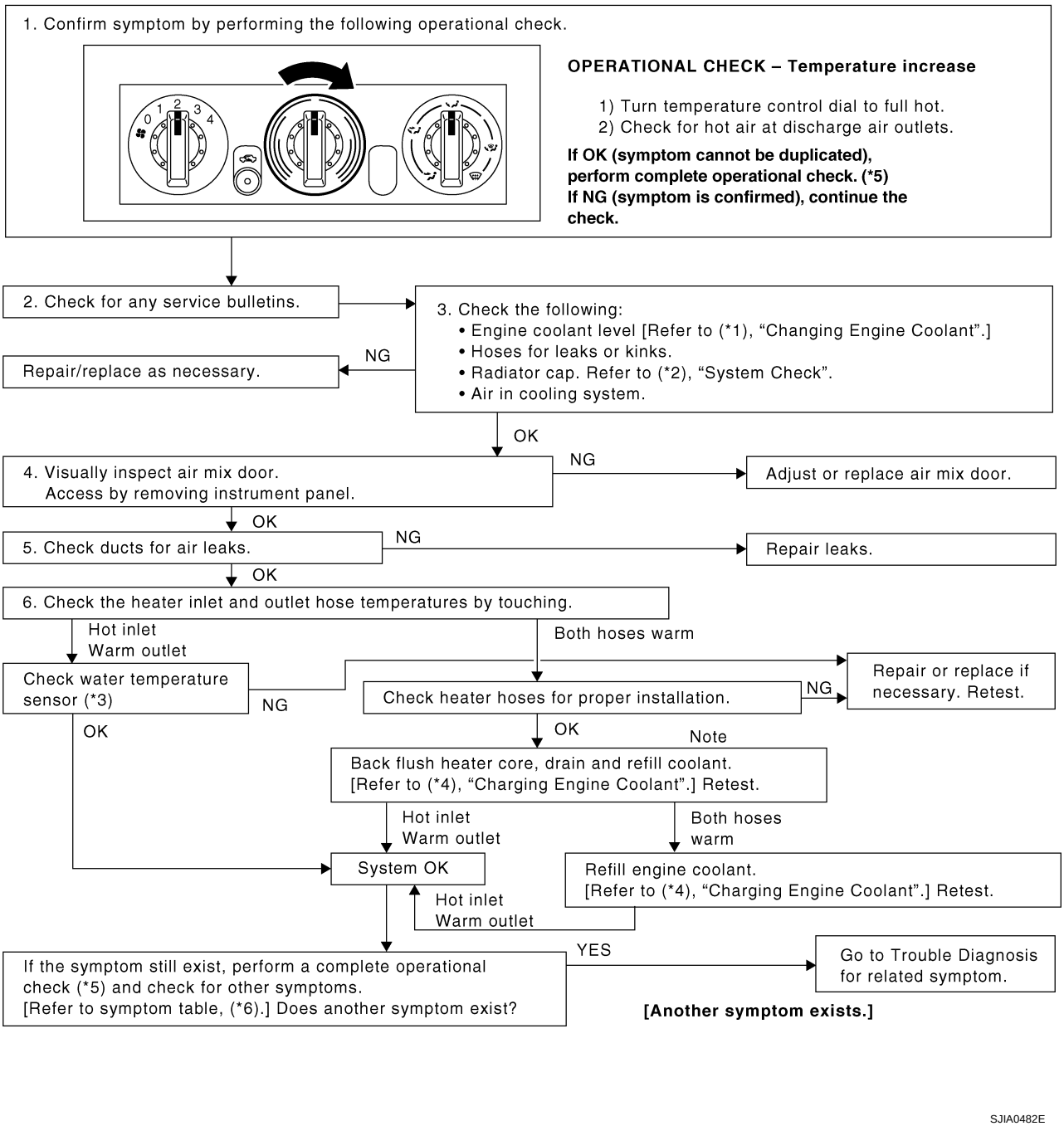


Insufficient Heating

EJS001FJ

SYMPTOM: Insufficient heating

INSPECTION FLOW



SJIA0482E

*1	QR engine; CO-9, "Changing Engine Coolant" or YD engine; CO-32, "Changing Engine Coolant" .	*2	QR engine; CO-13, "Checking Radiator Cap" or YD engine; CO-36, "Checking Radiator Cap" .	*3	QR engine; (WITH EURO-OBD) EC-165, "DTC P0117, P0118 ECT SENSOR" . QR engine; (WITHOUT EURO-OBD) EC-652, "DTC P0117, P0118 ECT SENSOR" . YD engine; (WITH EURO-OBD) EC-1093, "DTC P0117, P0118 ECT SENSOR" . YD engine; (WITHOUT EURO-OBD) EC-1449, "DTC P0117, P0118 ECT SENSOR" .
*4	QR engine; CO-9, "Changing Engine Coolant" or YD engine; CO-32, "Changing Engine Coolant" .	*5	MTC-7, "Operational Check" .	*6	MTC-3, "SYMPTOM TABLE".

CONTROLLER

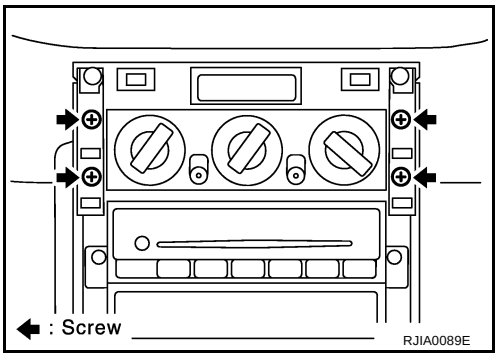
PFP:27500

Removal and Installation

EJS004HA

REMOVAL

1. Remove mode door cable and air mix door cable from heater unit. Refer to MTC-31, "MODE DOOR" and MTC-32, "AIR MIX DOOR" .
2. Remove cluster lid C. Refer to IP-11, "Removal and Installation" .
3. Remove mounting screws from heater control panel.
4. Remove heater control panel, and then remove heater control panel connector.

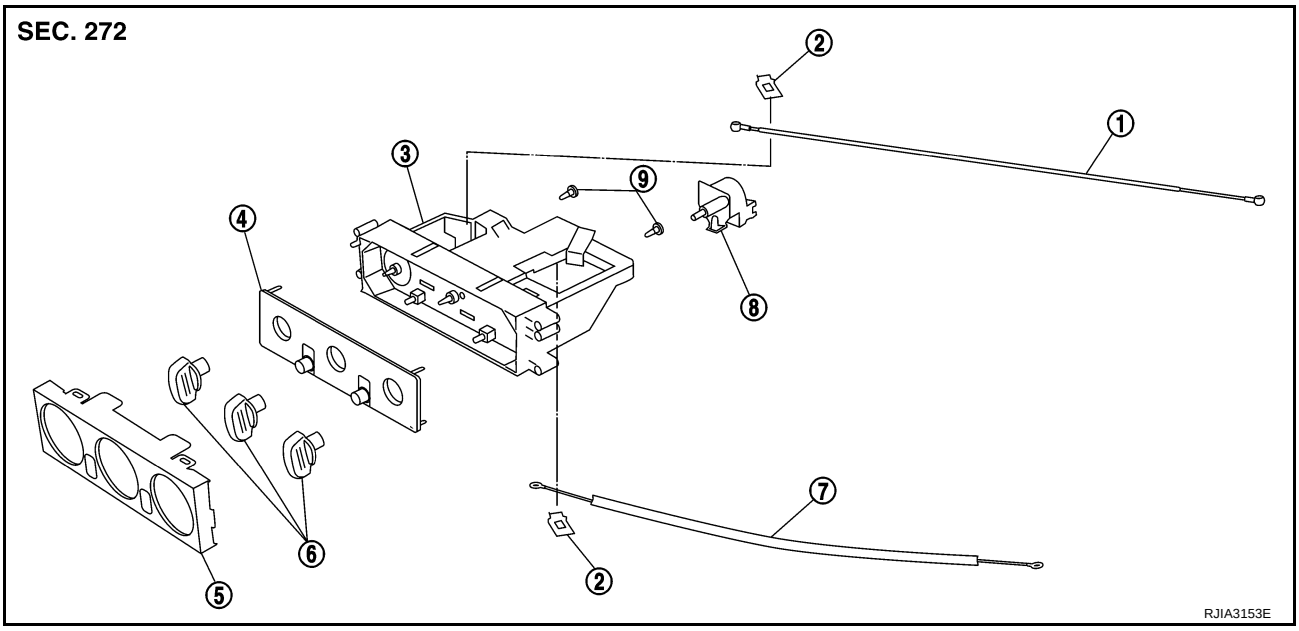


INSTALLATION

Installation is basically the reverse order of removal.

Disassembly and Assembly

EJS004HB



1. Mode door cable
2. Clamp
3. Case assembly
4. Heater panel
5. Finisher
6. Dial
7. Air mix door cable
8. Fan switch
9. Bulb

BLOWER UNIT

PFP:27200

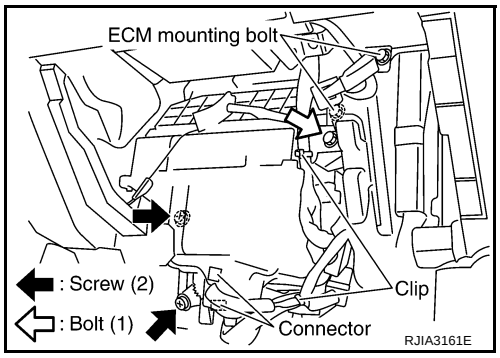
Removal and Installation

EJS004YB

REMOVAL

1. Remove glove box assembly.
2. Remove glove box cover, instrument passenger lower panel and instrument reinforcement. Refer to IP-11, "Removal and Installation" .
3. Remove ECM with ECM bracket attached.
4. Remove instrument panel mounting screw.
5. Remove blower unit mounting bolt and screw.
6. Disconnect blower motor connector and fan resistor connector.
7. Disconnect intake door motor connector and harness clips.
8. Remove blower unit.

CAUTION:
Slide the blower unit toward the right, remove location pins (2 pieces), then move it downward.



INSTALLATION

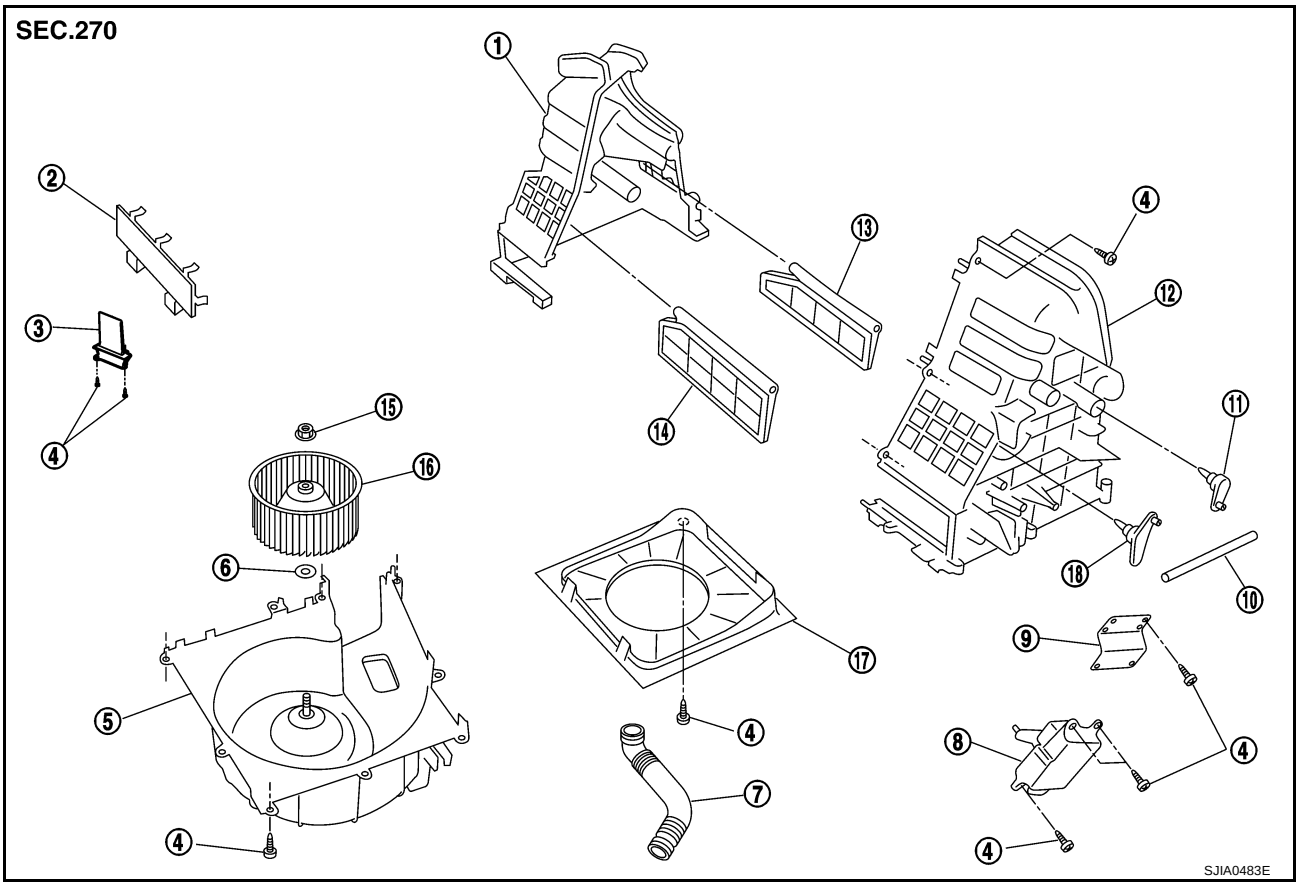
Installation is basically the reverse order of removal.

CAUTION:

- **Make sure location pins (2 pieces) are securely installed.**

Disassembly and Assembly

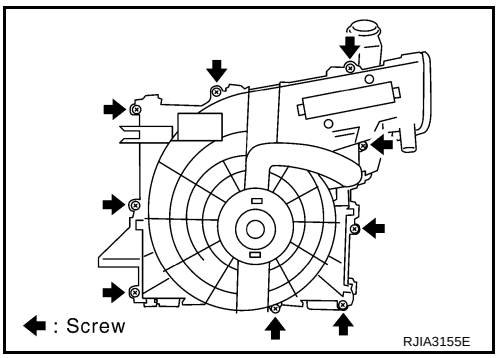
EJS004YC



1. Upper case 2	2. Filter cover	3. Fan resistor
4. Screw	5. Blower fan motor assembly	6. Washer
7. Cooling hose	8. Intake door motor	9. Motor bracket
10. Intake door link	11. Intake door lever 2	12. Upper case 1
13. Intake door 2	14. Intake door 1	15. Nut
16. Blower fan	17. Bell mouth	18. Intake door lever 1

NOTE:
This illustration is for LHD models. The layout for RHD models is symmetrically opposite.

CAUTION:
If retaining tabs are damaged while disassembling blower unit, use 9 screws (27111-2Y000) to assemble blower unit.



BLOWER MOTOR

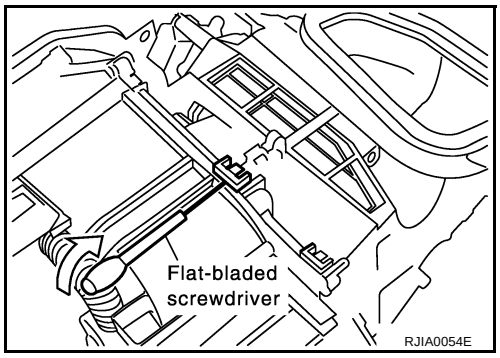
PFP:27226

Removal and Installation

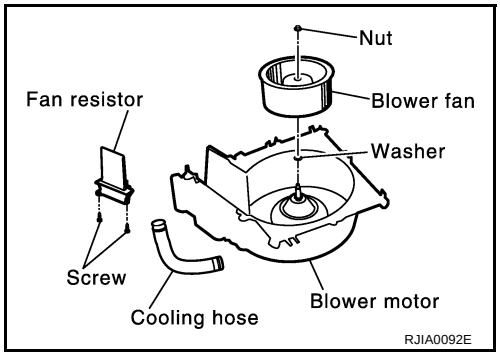
EJS004HD

REMOVAL

1. Remove blower unit. Refer to ATC-125, "BLOWER UNIT" .
2. Separate blower unit.



3. Remove cooling hose, fan resistor and blower fan.

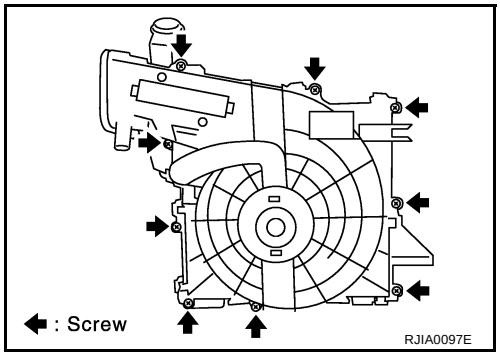


INSTALLATION

Installation is basically the reverse order of removal.

CAUTION:

If retaining tabs are damaged while disassembling blower unit, use 9 screws (27111-2Y000) to assemble blower unit.



BLOWER FAN RESISTOR

PFP:27150

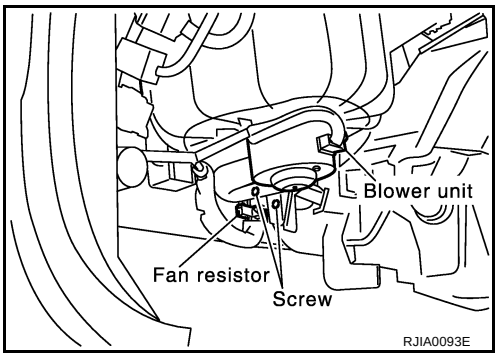
Removal and Installation

EJS004HE

REMOVAL

1. Remove glove box cover. Refer to IP-11, "Removal and Installation" .
2. Remove mounting screws, and then remove fan resistor.

CAUTION:
Do not repair the thermal fuse of the fan resistor.



INSTALLATION

Installation is basically the reverse order of removal.

INTAKE DOOR MOTOR

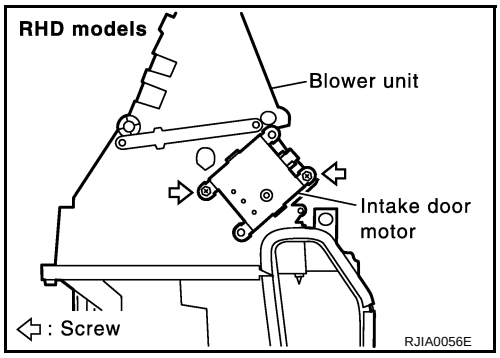
PFP:27730

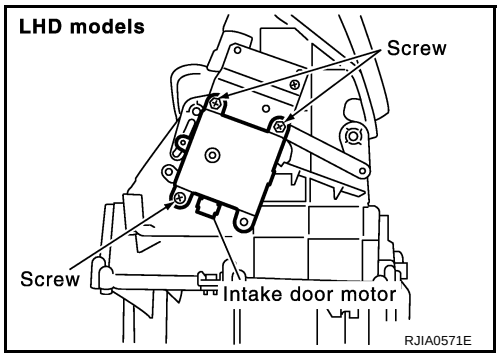
Removal and Installation

EJS004HG

REMOVAL

1. Remove blower unit. Refer to ATC-125, "BLOWER UNIT" .
2. Remove mounting screws, and then remove intake door motor from blower unit.





INSTALLATION

Installation is basically the reverse order of removal.

HEATER UNIT

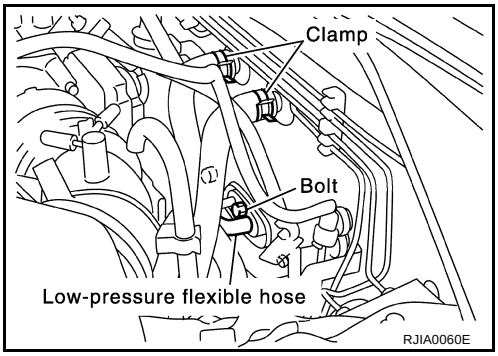
PFP:27100

Removal and Installation

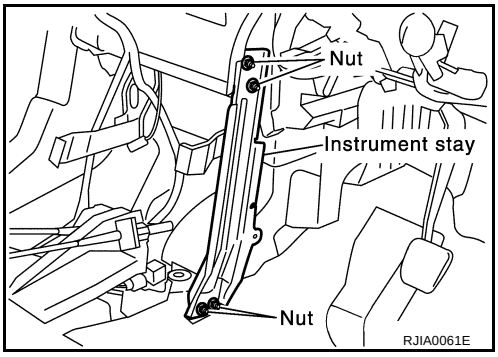
EJS001F9

REMOVAL

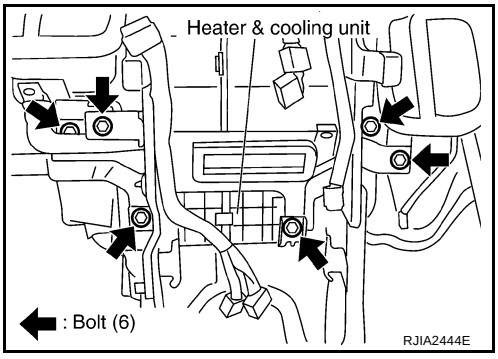
1. Drain coolant from cooling system. Refer to CO-9, "Changing Engine Coolant" for QR engine or CO-32, "Changing Engine Coolant" for YD engine.
2. Disconnect two heater hoses from heater core pipe.
3. Remove instrument panel. Refer to IP-11, "Removal and Installation" .
4. Remove blower unit. Refer to MTC-22, "BLOWER UNIT" .
5. Remove clips of vehicle harness from steering member.



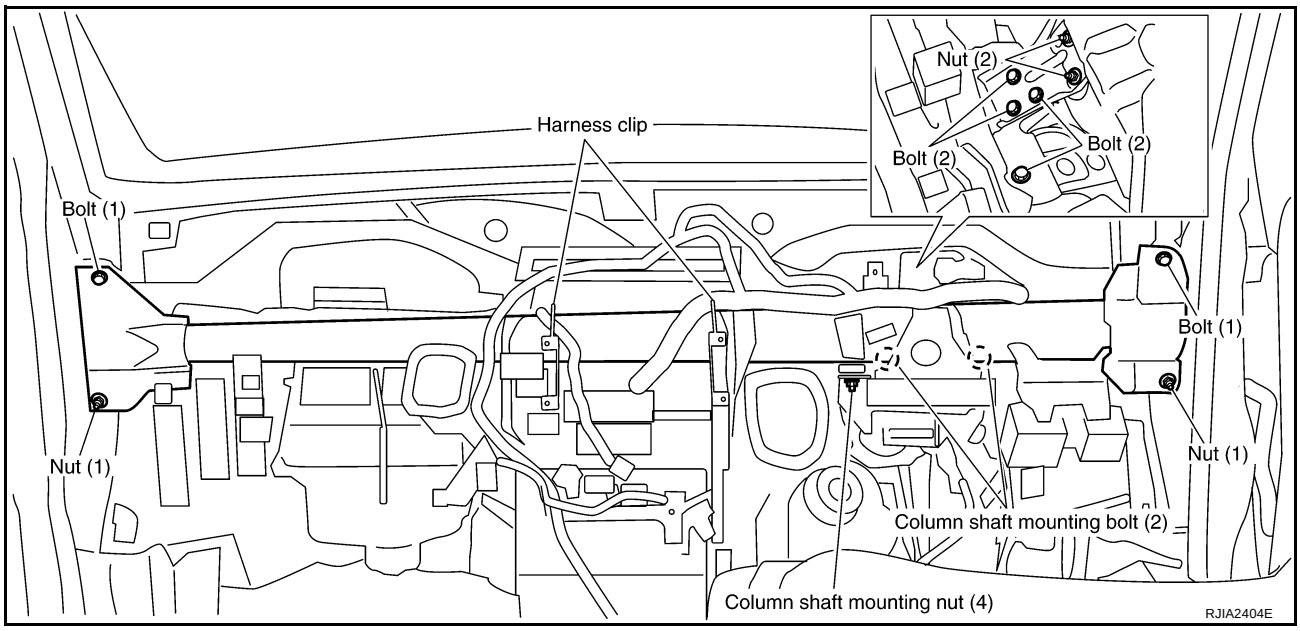
6. Remove mounting nuts, and then remove instrument stay.



7. Remove mounting bolts from heater (& cooling) unit.



8. Remove steering member.



NOTE:
This illustration is for RHD models. The layout for LHD models is symmetrically opposite.

9. Remove heater unit.

INSTALLATION

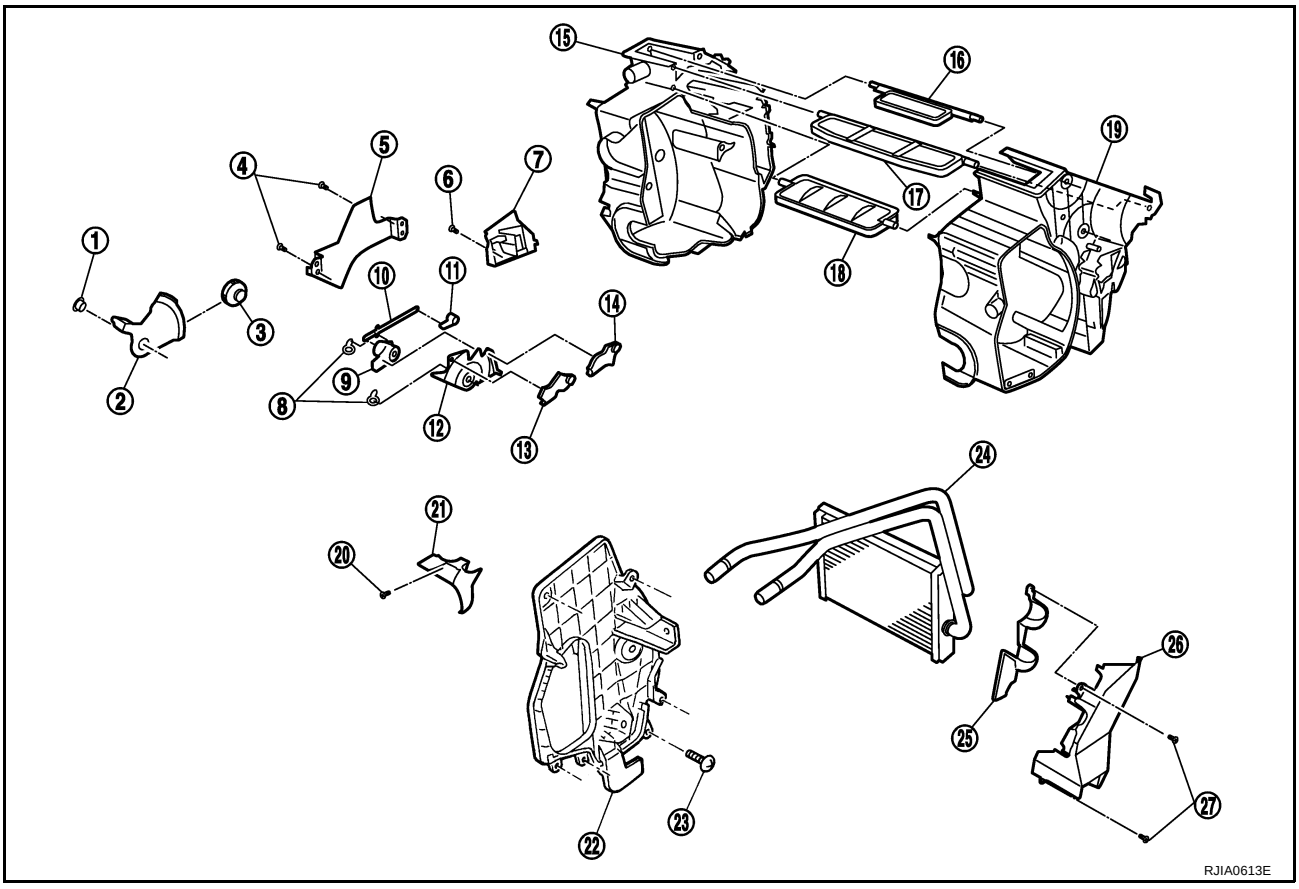
Installation is basically the reverse order of removal.

NOTE:
When filling radiator with coolant, refer to CO-9, "Changing Engine Coolant" for QR engine or CO-32, "Changing Engine Coolant" for YD engine.

Disassembly and Assembly

EJS001FA

NOTE:
This illustration is for RHD models. The layout for LHD models is symmetrically opposite.



1. Screw
2. Air mix door link
3. Air mix door gear
4. Screw
5. Cable bracket
6. Screw
7. Foot duct (right side)
8. Screw
9. Ventilator door link 2
10. Ventilator door link 2
11. Ventilator door lever
12. Main link
13. Max. cool door lever
14. Defroster door lever
15. Heater case (right side)
16. Defroster door
17. Ventilator door
18. Max. cool door
19. Heater case (left side)
20. Screw
21. Heater pipe support
22. Evaporator cover
23. Screw
24. Heater core
25. Heater core cover
26. Foot duct (left side)
27. Screw

HEATER CORE

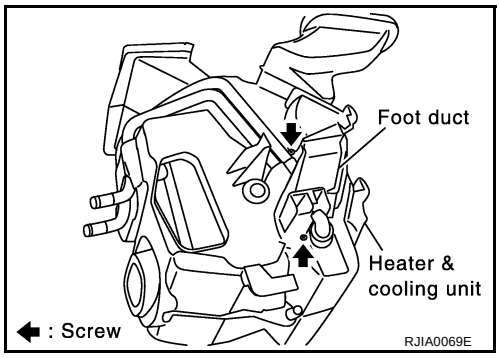
PFP:27140

Removal and Installation

EJS004HF

REMOVAL

1. Remove heater (& cooling) unit. Refer to MTC-27, "HEATER UNIT" .
2. Remove heater pipe support.
3. Remove mounting screws, and then remove foot duct and heater core cover.
4. Remove heater core from heater (& cooling) unit.



INSTALLATION

Installation is basically the reverse order of removal.

MODE DOOR

PFP:27181

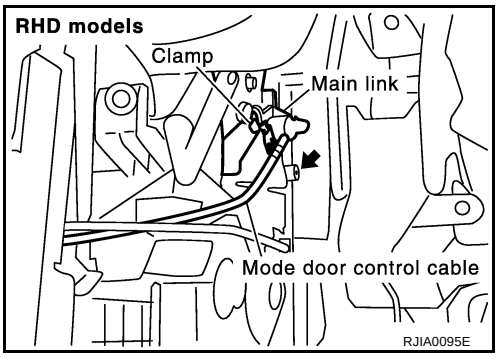
Control Linkage Adjustment

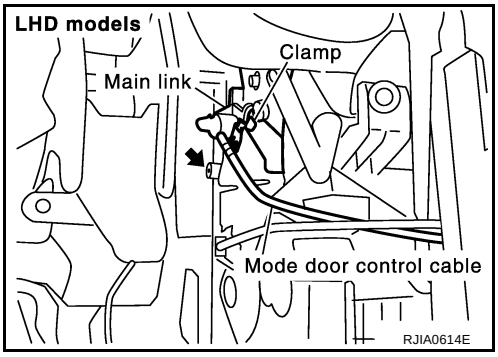
EJS001DA

MODE DOOR CONTROL CABLE

1. Turn the mode control dial to VENT position.
2. Move side link by hand and hold mode door in VENT position.
3. Pull on the cable cover in the direction of the arrow, and then clamp it.

NOTE:
After positioning control cable, make sure it operates properly.





AIR MIX DOOR

PFP:27180

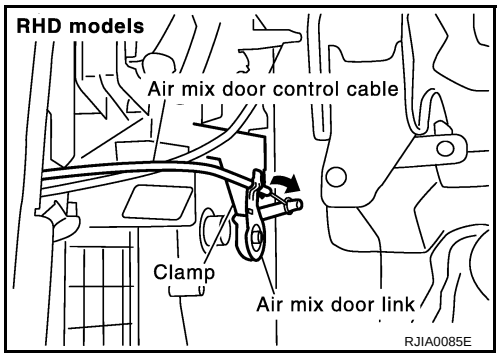
Control Linkage Adjustment

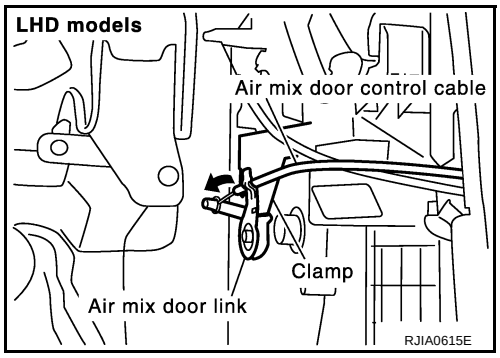
EJS001DB

AIR MIX DOOR CONTROL CABLE

1. Turn the temperature control dial to full cold position.
2. Move air mix door lever by hand and hold it at the full cold position.
3. Pull on the cable cover in the direction of the arrow, and then clamp it.

NOTE:
After positioning control cable, make sure it operates properly.





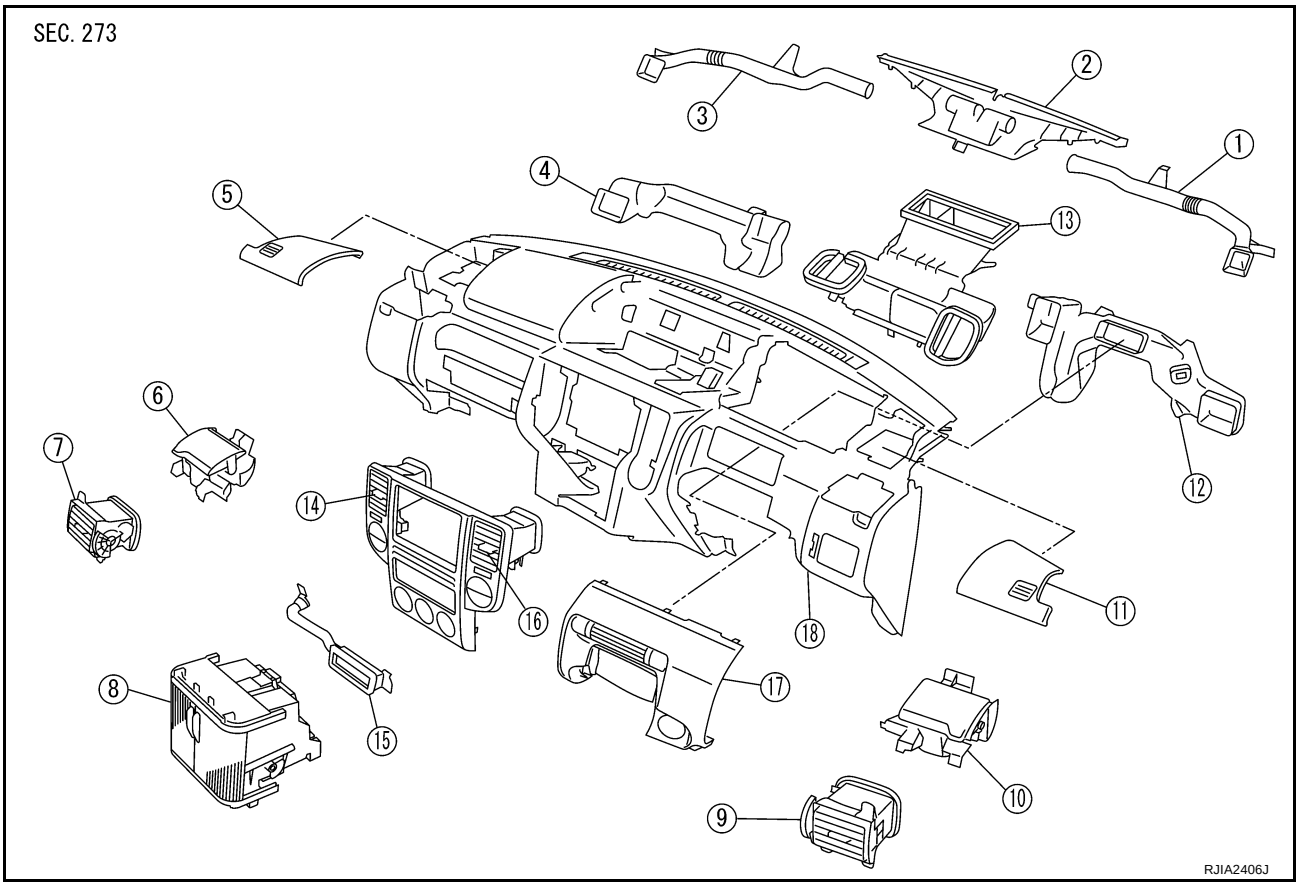
DUCTS AND GRILLES

PFP:27860

Removal and Installation

EJS004HH

REMOVAL

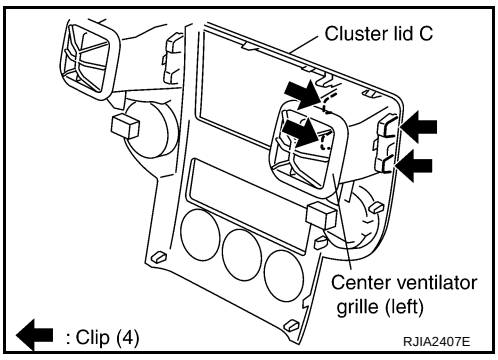


1. Side defroster duct (right)	2. Defroster nozzle	3. Side defroster duct (left)
4. Side ventilator duct (left)	5. Front speaker grille (left)	6. Cup holder (left)
7. Side ventilator grille (left)	8. Multi-box (Instrument center lower panel)	9. Side ventilator grille (right)
10. Cup holder (right)	11. Front speaker grille (right)	12. Side ventilator duct (right)
13. Adaptor	14. Center ventilator grille (left)	15. Multi-box duct
16. Center ventilator grille (right)	17. Driver ventilator grille	18. Instrument panel

NOTE:
This illustration is for RHD models. The layout for LHD models is symmetrically opposite.

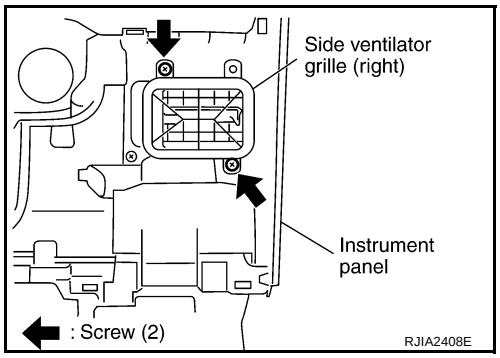
Removal of Center Ventilator Grille

1. Remove cluster lid C. Refer to IP-11, "Removal and Installation" .
2. Remove mounting clips, and then remove center ventilator grille.



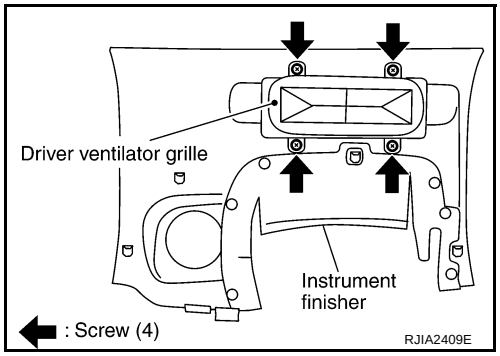
Removal of Side Ventilator Grille

1. Remove instrument panel. Refer to IP-11, "Removal and Installation" .
2. Remove side ventilator ducts. Refer to MTC-34, "Removal of Defroster Nozzle, Duct and Side Ventilator Duct" .
3. Remove mounting screws, and then remove side ventilator grille.



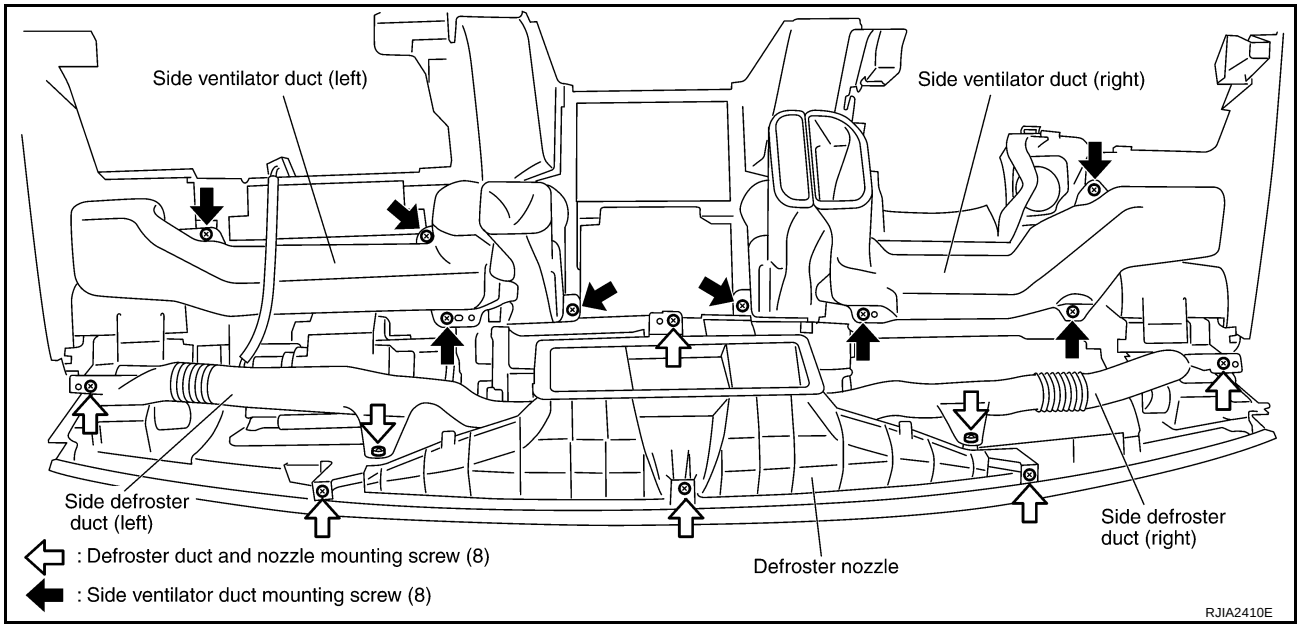
Removal of Driver Ventilator Grille

1. Remove instrument finisher. Refer to IP-11, "Removal and Installation" .
2. Remove mounting screws, and then remove driver ventilator grille.



Removal of Defroster Nozzle, Duct and Side Ventilator Duct

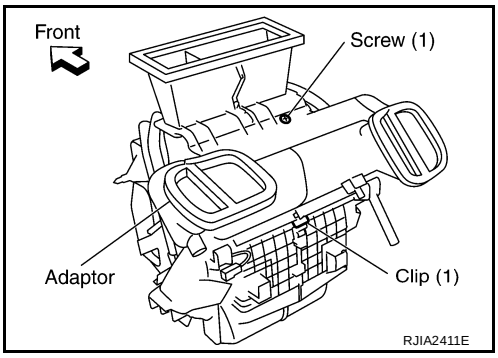
1. Remove instrument panel. Refer to IP-11, "Removal and Installation" .
2. Remove mounting screws, and then remove side defroster ducts with defroster nozzle.



3. Remove mounting screws, and then remove side ventilator ducts.

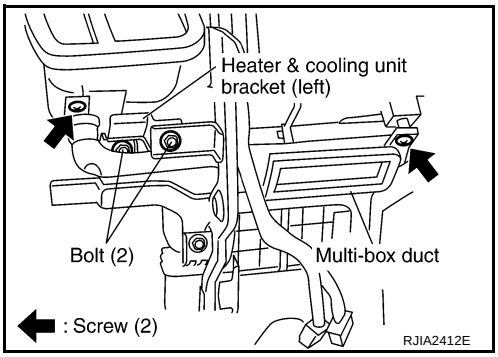
Removal of Adaptor

1. Remove heater (& cooling) unit. Refer to MTC-27, "HEATER UNIT" .
2. Remove mounting screw and clip.
3. Slide adaptor toward vehicle front, and then remove adaptor.



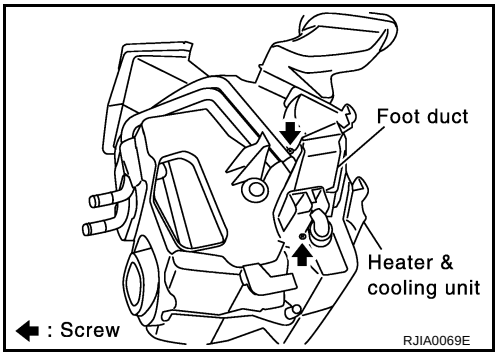
Removal of Multi-box Duct

1. Remove instrument panel. Refer to IP-11, "Removal and Installation" .
2. Remove mounting screws, and then disconnect multi-box duct from heater (& cooling) unit.
3. Remove mounting bolts, and then remove heater (& cooling) unit bracket.
4. Remove multi-box duct from left side.



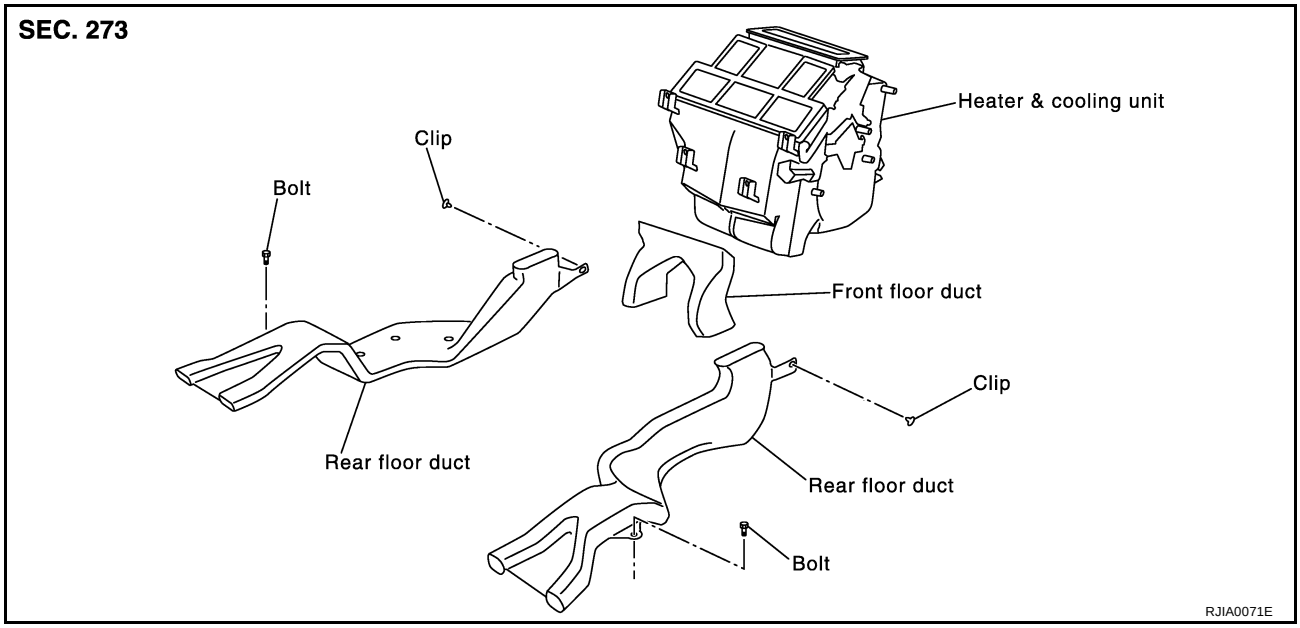
Removal of Foot Duct

1. Remove multi-box duct.
2. Remove mounting screws, and then remove foot duct.

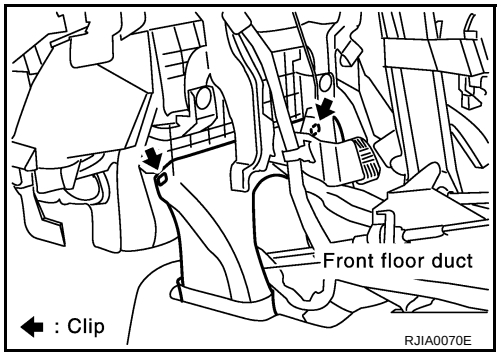


Removal of Floor Duct

1. Remove the front seats. Refer to SE-24, "FRONT SEAT" .
2. Remove multi-box (Instrument center lower panel). Refer to IP-11, "Removal and Installation" .
3. Peel back the floor trim to a point where the floor duct is visible.
4. Remove mounting bolts and clips, then remove rear floor duct.



5. Remove mounting clips, and then remove front floor duct.



INSTALLATION

Installation is basically the reverse order of removal.