SECTION VENTILATION SYSTEM C

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SERVICE DATA AND SPECIFICATIONS (SDS)
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< PRECAUTION > PRECAUTION PRECAUTIONS

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

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

WARNING:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, 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 AIR BAG".
- 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 WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

Precaution Necessary for Steering Wheel Rotation after Battery Disconnect

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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.

For vehicle with 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 operation pro-

OPERATION PROCEDURE

1. Connect both battery cables. NOTE:

Supply power using jumper cables if battery is discharged.

- 2. 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.

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PRECAUTIONS

< PRECAUTION >

- 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.)
- 6. Perform self-diagnosis check of all control units using CONSULT-III.

PREPARATION

<pre>< PREPARATION > PREPARATION</pre>	<u>N</u>	
PREPARATION		4
Commercial Servic	e Tool	INF0ID:00000006276283
	Tool name	Description
Remover tool	Job July JMKIA3050ZZ	Removes clips, pawls and metal clips
	JMNH303022	F
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SYSTEM DESCRIPTION

VENTILATION SYSTEM VENTILATION SYSTEM (FRONT AIR CONDITIONING)

VENTILATION SYSTEM (FRONT AIR CONDITIONING) : System Description

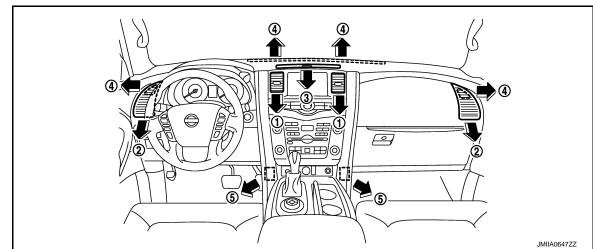
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OUTLINE

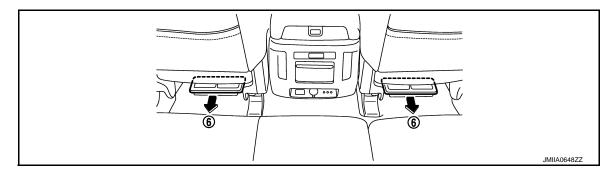
Ventilation system is controlled by A/C control. For details of air conditioner system, refer to <u>HAC-14</u>, <u>"FRONT</u> <u>AUTOMATIC AIR CONDITIONING SYSTEM : System Description"</u>.

AIR FLOW

Front



Rear



AIR DISTRIBUTION

Front A/C Unit

Discharge air flow							
				Air outlet/dis	stribution		
Mode position	Condition		VENT		FOOT		
		Center (1)	Side (2)	Upper (3)	Front (5)	Rear (6)	DEF (4)
7		×	×	×	—	—	_
ζi	DUAL and Up-	×	×	×	×	×	_
ن.	per ventilator	—	×	×	×	×	×
S i	switch: ON	—	×	×	×	×	×
₩ P		—	×	—	_		×

VENTILATION SYSTEM

< SYSTEM DESCRIPTION >

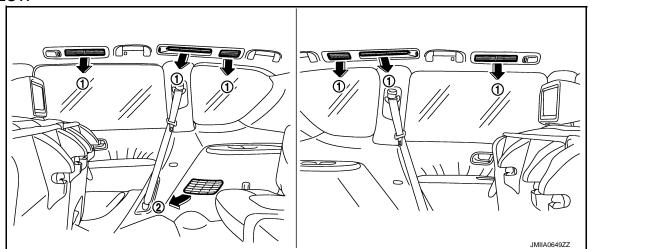
VENTILATION SYSTEM (REAR AIR CONDITIONING)

VENTILATION SYSTEM (REAR AIR CONDITIONING) : System Description

OUTLINE

Rear cooling system is controlled by rear blower switch. Refer to <u>HAC-23</u>, "<u>REAR AUTOMATIC AIR CONDI-</u><u>TIONING SYSTEM : System Description</u>".

AIR FLOW



AIR DISTRIBUTION

Rear A/C Unit

	Discharge air flow		
	Air outlet/di	stribution	
Mode position	VENT (1)	FOOT (2)	
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<i>v</i>	×	×	
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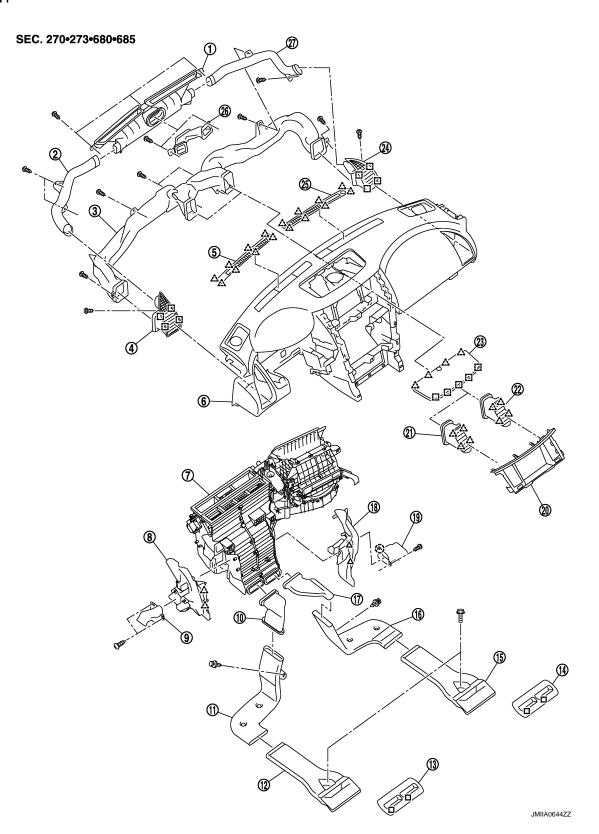
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< REMOVAL AND INSTALLATION > REMOVAL AND INSTALLATION DUCT AND GRILLE

Exploded View

INFOID:000000006276286

FRONT



DUCT AND GRILLE

< REMOVAL AND INSTALLATION >

- 1. Front defroster nozzle
- 4. Side ventilator grille LH
- 7. A/C unit assembly
- 10. Floor duct 1 LH
- 13. Floor grille LH
- 16. Floor duct 2 RH
- 19. Foot grill RH
- 22. Center ventilator grille RH
- 25. Front defroster grille RH
- (_) : Clip
- ^ : Pawl
- []] : Metal clip

REAR

- 2. Side defroster nozzle LH
- 5. Front defroster grille LH
- 8. Foot duct LH
- 11. Floor duct 2 LH
- 14. Floor grille RH
- 17. Floor duct 1 RH
- 20. Cluster lid D
- 23. Upper ventilator grille
- 26. Upper ventilator duct
- 3. Side ventilator duct А Instrument panel 6. 9. Foot grille LH 12. Floor duct 3 LH В Floor duct 3 RH 15. Foot duct RH 18. 21. Center ventilator grille LH

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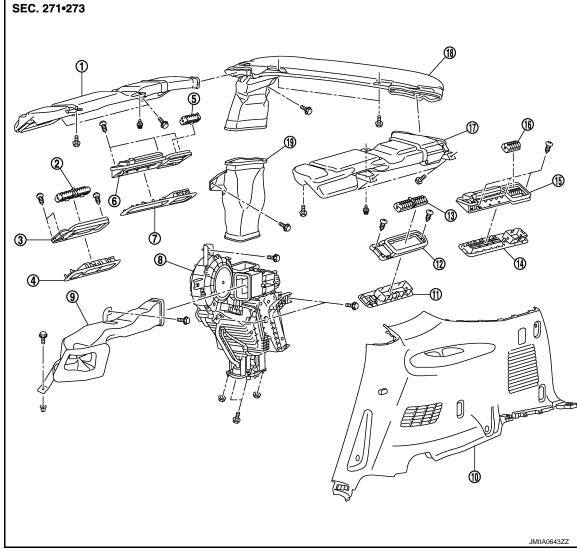
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- 24. Side ventilator grille LH
- 27. Side ventilator nozzle RH



- 1. Roof duct RH
- 4. Rear ventilator garnish A RH
- 7. Rear ventilator garnish B RH
- 10. Luggage side finisher RH
- 13. Rear ventilator outlet grille A LH
- 2. Rear ventilator outlet grille A RH
- 5. Rear ventilator outlet grille B RH
- 8. Rear A/C unit assembly

11.

- Rear ventilator garnish A LH
- 14. Rear ventilator garnish B LH
- 3. Rear ventilator base RH
- 6. Rear ventilator grille RH
- 9. Rear ventilator duct lower
- 12. Rear ventilator base LH
- 15. Rear ventilator grille LH

RH 3. Rea RH 6. Rea

DUCT AND GRILLE	
< REMOVAL AND INSTALLATION >	
 Rear ventilator outlet grille B LH Rear ventilator duct upper 	Roof duct center
CENTER VENTILATOR GRILLE	
CENTER VENTILATOR GRILLE : Removal and Installation	INFOID:00000006276287
 REMOVAL Remove cluster lid D. Refer to <u>IP-14, "Removal and Installation"</u>. Remove center ventilator grille from cluster lid D. INSTALLATION Install in the reverse order of removal. SIDE VENTILATOR GRILLE 	
SIDE VENTILATOR GRILLE : Removal and Installation	INFOID:00000006276288
REMOVAL Remove instrument panel assembly. Refer to <u>IP-14</u>, <u>"Removal and Install</u> Remove fixing screw, and then remove side ventilator grille from instrume INSTALLATION Install in the reverse order of removal. FRONT DEFROSTER GRILLE 	
FRONT DEFROSTER GRILLE : Removal and Installation	INF0ID:00000006276289
REMOVAL Remove front defroster grilles, using remover tools. INSTALLATION Install in the reverse order of removal. UPPER VENTILATOR GRILLE	
UPPER VENTILATOR GRILLE : Removal and Installation	INFOID:00000006276290
REMOVAL Remove upper ventilator grille, using remover tools. INSTALLATION Install in the reverse order of removal. SIDE VENTILATOR DUCT	
SIDE VENTILATOR DUCT : Removal and Installation	INFOID:00000006276291
 REMOVAL Remove instrument panel assembly. Refer to <u>IP-14. "Removal and Install</u> Remove fixing screws, and then remove side ventilator duct from instrum 	
INSTALLATION Install in the reverse order of removal. UPPER VENTILATOR DUCT	
UPPER VENTILATOR DUCT : Removal and Installation	INFOID:00000006276292
REMOVAL 1. Remove instrument panel assembly. Refer to <u>IP-14, "Removal and Install</u>	ation".

VTL-10

DUCT AND GRILLE

DUCT AND GRILLE	
< REMOVAL AND INSTALLATION >	
 Remove front defroster nozzle. Refer to <u>VTL-11, "FRONT DEFROSTER NOZZLE : Removal and Installa-</u> tion". 	А
 Remove fixing screws, and then remove upper ventilator duct. 	\square
INSTALLATION	В
Install in the reverse order of removal. FRONT DEFROSTER NOZZLE	D
EPONT DEEPOSTED NO77LE . Domoval and Installation	C
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	D
 Remove instrument panel assembly. Refer to <u>VTL-8, "Exploded View"</u>. Remove fixing screws, and then remove front defroster nozzle. 	D
INSTALLATION	Е
Install in the reverse order of removal.	
SIDE DEFROSTER NOZZLE	F
SIDE DEFROSTER NOZZLE : Removal and Installation	I
REMOVAL	G
1. Remove instrument panel assembly. Refer to <u>IP-14, "Removal and Installation"</u> .	0
 Remove fixing screw, and then remove side defroster nozzle. INSTALLATION 	Н
Install in the reverse order of removal.	
FLOOR DUCT 1	VTL
FLOOR DUCT 1 : Removal and Installation	V I E
REMOVAL	J
1. Remove center console assembly. Refer to <u>IP-25, "Removal and Installation"</u> .	
2. Remove floor duct 1.	К
INSTALLATION Install in the reverse order of removal.	
FLOOR DUCT 2	L
FLOOR DUCT 2 : Removal and Installation	
REMOVAL	M
1. Pull up front of front floor carpet of securing work space. Refer to INT-25, "FRONT FLOOR CARPET :	
 <u>Removal and Installation</u>". Remove fixing clip, and then remove floor duct 2. 	Ν
INSTALLATION	
Install in the reverse order of removal.	0
FLOOR DUCT 3	
FLOOR DUCT 3 : Removal and Installation	Ρ
REMOVAL	
 Pull up front of front floor carpet of securing work space. Refer to <u>INT-25, "FRONT FLOOR CARPET :</u> <u>Removal and Installation"</u>. 	
 Remove mounting bolt, and then remove floor duct 1. 	
INSTALLATION	

DUCT AND GRILLE

< REMOVAL AND INSTALLATION >

Install in the reverse order of removal. REAR FLOOR GRILLE

REAR FLOOR GRILLE : Removal and Installation

REMOVAL

Disengage fixing metal clips, and then remove rear floor grille.

INSTALLATION

Install in the reverse order of removal. FOOT DUCT

FOOT DUCT : Removal and Installation

REMOVAL

- 1. Remove steering member. Refer to <u>HA-42, "HEATER & COOLING UNIT ASSEMBLY : Removal and Installation"</u>.
- 2. Remove fixing screws, and then remove foot duct.

INSTALLATION Install in the reverse order of removal. FOOT GRILLE

FOOT GRILLE : Removal and Installation

REMOVAL

Driver side

- 1. Remove instrument lower panel RH. Refer to <u>IP-14, "Removal and Installation"</u>.
- 2. Remove fixing screws, and then remove foot grille.

Passenger side

- 1. Remove instrument lower cover. Refer to IP-14, "Removal and Installation".
- 2. Remove fixing screws and clip, and then remove foot grille.

INSTALLATION

Install in the reverse order of removal. REAR VENTILATOR DUCT LOWER

REAR VENTILATOR DUCT LOWER : Removal and Installation

REMOVAL

- 1. Remove luggage side lower finisher RH. Refer to <u>INT-36</u>, "LUGGAGE SIDE LOWER FINISHER : <u>Removal and Installation</u>".
- 2. Remove mounting bolts, and then remove rear ventilator duct lower.

INSTALLATION

Install in the reverse order of removal. REAR VENTILATOR DUCT UPPER

REAR VENTILATOR DUCT UPPER : Removal and Installation

INFOID:000000006276302

REMOVAL

- 1. Remove back pillar garnish RH. Refer to INT-37, "BACK PILLAR GARNISH : Removal and Installation".
- 2. Remove mounting bolt, and then remove rear ventilator grille upper.

INSTALLATION

Install in the reverse order of removal.

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< REMOVAL AND INSTALLATION >		
ROOF DUCT		Δ
ROOF DUCT : Removal and Installation	INFOID:000000006276303	A
REMOVAL		В
1. Remove headlining. Refer to INT-29, "Removal and Installation".		
 Remove mounting bolts and clip, and then remove roof duct (LH/RH). Remove rear ventilator duct upper. 		С
4. Remove roof duct (center).		
INSTALLATION Install in the reverse order of removal. REAR VENTILATOR GRILLE		D
REAR VENTILATOR GRILLE : Removal and Installation	INFOID:000000006276304	E
REMOVAL		F
1. Remove headlining. Refer to INT-29, "Removal and Installation".		
2. Remove fixing screws, and then remove rear ventilator grille A and B from headlining.		
INSTALLATION		G
Install in reverse order of removal.		

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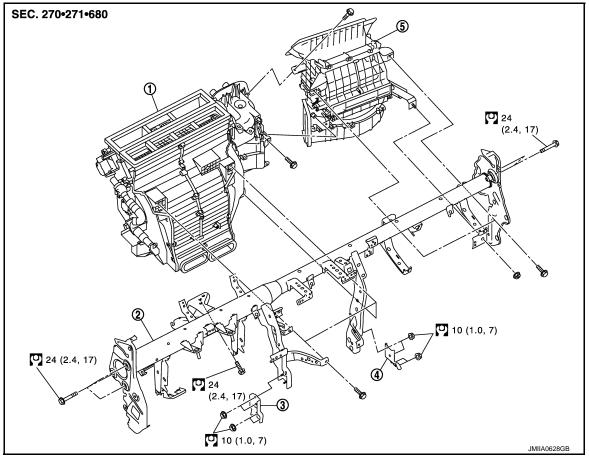
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< REMOVAL AND INSTALLATION > BLOWER UNIT

Exploded View

INFOID:000000006276305

REMOVAL



1. Heater & cooling unit assembly 2. Steering member 3. Instrument stay LH

4. Instrument stay RH 5. Blower unit assembly

Refer to <u>GI-4, "Components"</u> for symbols in the figure.

DISASSEMBLY

BLOWER UNIT

< REMOVAL AND INSTALLATION >

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							(G
			8				ŀ	-
						JMIIA0642ZZ	V	T I
1.	Shutter box case RH	2.	Shutter box upper case	3.	Packing			
4.	Bellmouth ring	5.	Blower unit bracket	6.		ase		J
7.	Intake lower case	8.	Blower motor assembly	9.				
10.	Shutter box case LH	11.	Intake door motor	12			1	/
3.	In-cabin microfilter	14.	Filter cover				ł	1
ma	oval and Installa	ation				INFOID:000	0000006276306	_

REMOVAL

- 1. Remove A/C unit assembly. Refer to <u>HA-42</u>, "<u>HEATER & COOLING UNIT ASSEMBLY</u> : <u>Removal and</u> <u>Installation</u>".
- 2. Remove mounting bolts, and then disconnect heater & cooling unit assembly and blower unit assembly.

INSTALLATION

Install in the reverse order of removal.

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BEOWER MOTOR	
< REMOVAL AND INSTALLATION >	
BLOWER MOTOR	
FRONT A/C UNIT	
FRONT A/C UNIT : Exploded View	INFOID:000000006276307
Refer to <u>VTL-14, "Exploded View"</u> .	
FRONT A/C UNIT : Removal and Installation	INFOID:000000006276308
 REMOVAL 1. Remove instrument lower cover. Refer to <u>IP-14, "Removal and Installation"</u>. 2. Disconnect blower motor connector. 3. Remove fixing screws, and then remove blower motor. INSTALLATION Install in the reverse order of removal. REAR A/C UNIT ASSEMBLY 	
REAR A/C UNIT ASSEMBLY : Exploded View	INFOID:000000006276309
Refer to <u>HA-46, "Exploded View"</u>	
REAR A/C UNIT ASSEMBLY : Removal and Installation	INFOID:000000006276310
REMOVAL 1. Removal rear A/C unit assembly. Refer to <u>HA-47, "REAR A/C UNIT ASSEMBLY : Remov</u>	al and Installa-

- tion".
- 2. Disconnect blower motor connector.
- 3. Remove fixing screws, and then remove blower motor.

IN-CABIN MICROFILTER

< REMOVAL AND INSTALLATION >		
IN-CABIN MICROFILTER		А
Exploded View	INFOID:000000006276313	A
Refer to <u>VTL-14, "Exploded View"</u> .		В
Removal and Installation	INFOID:000000006276314	
REMOVAL		С
 Remove glove box assembly. Refer to <u>IP-14, "Removal and Installation"</u>. Remove filter cover, and then remove air conditioner filter. CAUTION: If the filter is deformed/damaged when removing, replace it with a new one. Deformed/d may deteriorate the dust collecting performance. 	amaged filter	D
INSTALLATION Note the following item, and install in the reverse order of removal. CAUTION: When installing, handle the filter with extreme care to avoid deforming/damaging.		E
Replacement	INFOID:000000006276315	
Replace in-cabin microfilter. Refer to <u>MA-6, "Schedule 1"</u> and <u>MA-8, "Schedule 2"</u> . Affix a caution label inside the glove box when replacing filter.		G H

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SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS) SERVICE DATA AND SPECIFICATIONS (SDS)

In-cabin microfilter

INFOID:000000006276316

 Replacement interval
 MA-6, "Schedule 1" and MA-8, "Schedule 2"