

Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2024 Nissan Versa Service and Repair Manual

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Is the inspection result normal?

YES>>

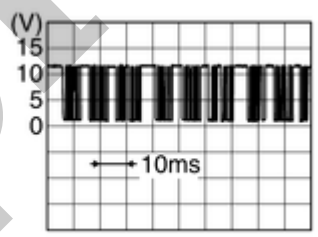
[GO TO 4.](#)

NO>>

Repair harness or connector.

4. CHECK A/C CONTROL LIN SIGNAL

1. Connect A/C control connector.
2. Power switch ON.
3. Confirm output waveform between A/C control harness connector and A/C auto amp. harness connector with oscilloscope.

+		-		Output waveform
A/C control		A/C auto amp.		
Connector	Terminal	Connector	Terminal	
M69	7	M1	58	 <p>SIEMD-7205911-01-MIA3428GB</p>

Is the inspection result normal?

YES>>

Replace A/C control. Refer to [Removal & Installation](#).

NO>>

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5. CHECK LIN COMMUNICATION SIGNAL CIRCUIT FOR OPEN

1. Power switch OFF.
2. Disconnect A/C control connector and A/C auto amp. connector.
3. Check continuity between A/C control harness connector and A/C auto amp. harness connector.

A/C control		A/C auto amp.		Continuity
Connector	Terminal	Connector	Terminal	
M69	7	M1	68	Existed

Is the inspection result normal?

YES>>

[GO TO 6.](#)

NO>>

6. CHECK LIN COMMUNICATION SIGNAL CIRCUIT FOR SHORT

1. Check continuity between A/C control harness connector and ground.

A/C control		—	Continuity
Connector	Terminal		
M69	7	Ground	Not existed

2. Check voltage between A/C control harness connector and ground.

+		-	Voltage (Approx.)
A/C control			
Connector	Terminal		
M69	7	Ground	0 V

Is the inspection result normal?

YES>>

Replace A/C auto amp. Refer to [Removal & Installation](#).

NO>>

Repair harness or connector.

Sample

1. CHECK FUSIBLE LINK

1. Power switch OFF.
2. Check that the following fusible link is not blown (open).

Unit	Location	Fusible link No.	Capacity
Blower relay	Fuse and fusible link block	#J	50 A



NOTE:

For details of fusible link, connector and terminal arrangement. Refer to [Wiring Diagram](#).

Is the fusible link blown (open)?

YES>>

Replace the blown (open) fusible link after repairing the affected circuit if a fusible link is blown (open).

NO>>

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2. CHECK BLOWER MOTOR POWER SUPPLY

1. Disconnect the blower motor connector.
2. Power switch ON.
3. Check voltage between blower motor harness connector and ground.

+		-	Voltage
Blower motor	Connector		
Terminal	Terminal		
M330	2	Ground	Battery voltage

Is the inspection result normal?

YES>>

[GO TO 3.](#)

NO>>

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3. CHECK BLOWER MOTOR GROUND CIRCUIT FOR OPEN

1. Power switch OFF.
2. Check continuity between blower motor harness connector and ground.

Blower motor		—	Continuity
Connector	Terminal		
M330	4	Ground	Existed

Is the inspection result normal?

YES>>

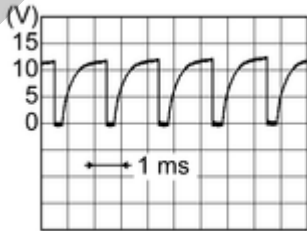
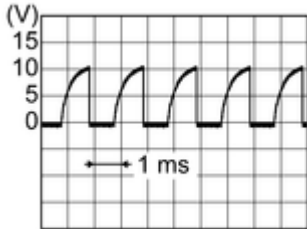
[GO TO 4.](#)

NO>>

Repair the harnesses or connectors.

4. CHECK BLOWER MOTOR CONTROL SIGNAL

1. Connect blower motor connector.
2. Power switch ON.
3. Check duty ratios between blower motor harness connector and ground by using an oscilloscope.

+		-	Condition	Output waveform
Blower motor				
Connector	Terminal			
M330	1	Ground	Blower motor: OFF	10.5 – 16 V
			Blower motor: 1st speed (manual)	 SIEMD-7206792-01-000311296
			Blower motor: 7th speed (manual)	 SIEMD-7206792-02-000311297

Is the inspection result normal?

YES>>

Replace blower motor. Refer to [Removal & Installation](#).

NO>>

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5. CHECK BLOWER MOTOR CONTROL SIGNAL CIRCUIT FOR OPEN

1. Power switch OFF.
2. Disconnect blower motor connector and A/C auto amp. connector.
3. Check continuity between blower motor harness connector and A/C auto amp. harness connector.

Blower motor		A/C auto amp.		Continuity
Connector	Terminal	Connector	Terminal	
M330	1	M2	34	Existed

Is the inspection result normal?

YES>>

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NO>>

Repair the harnesses or connectors.

6. CHECK BLOWER MOTOR POWER SUPPLY CIRCUIT FOR OPEN

1. Power switch OFF.
2. Remove blower relay.
3. Check continuity between blower motor harness connector and blower relay harness connector.

Blower motor		Blower relay		Continuity
Connector	Terminal	Connector	Terminal	
M330	2	E101	3	Existed

Is the inspection result normal?

YES>>

[GO TO 7.](#)

NO>>

Repair the harnesses or connectors.

7. CHECK BLOWER MOTOR RELAY GROUND CIRCUIT FOR OPEN (COIL SIDE)

Check continuity between blower relay harness connector and ground.

Blower relay		—	Continuity
Connector	Terminal		
E101	2	Ground	Existed

Is the inspection result normal?

YES>>

[GO TO 8.](#)

NO>>

Repair the harnesses or connectors.

8. CHECK BLOWER MOTOR RELAY

Check blower relay. Refer to [Component Inspection](#).

Is the inspection result normal?

YES>>

Repair the blower relay power supply circuit.

NO>>

Replace blower relay.

9. REPLACE BLOWER MOTOR

1. Replace blower motor. Refer to [Removal & Installation](#).
2. Connect A/C auto amp. connector.
3. Power switch ON.
4. Change fan speed from 1st – 7th, and check that blower motor operates normally.

Is the inspection result normal?

YES>>

INSPECTION END

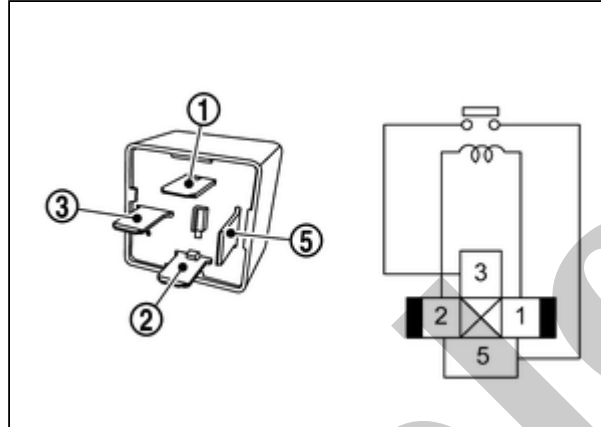
NO>>

Replace A/C auto amp. Refer to [Removal & Installation](#).

Sample

1. CHECK BLOWER RELAY

1. Power switch OFF.
2. Remove blower relay.
3. Check continuity between blower relay terminals.



SIEMD-7206794-01-000369437

Terminal		Condition	Continuity
Blower relay			
③	⑤	12 V direct current supply between terminals ① and ②.	Existed
		No current supply	Not existed

Is the inspection result normal?

YES>>

INSPECTION END

NO>>

Replace blower relay.

DTC DETECTION LOGIC

DTC No.	CONSULT screen terms	DTC detection condition	
		B24C6-12	BLOWER MOTOR CONTROL
Signal (Terminal)	Blower motor control signal		
Threshold	Blower motor control signal circuit is short to battery		
Diagnosis delay time	1 seconds or more		

POSSIBLE CAUSE

- Harness or connectors (blower motor control signal circuit is shorted to battery)
- Blower motor
- A/C auto amp.

FAIL-SAFE

Blower motor operation is stopped

DTC CONFIRMATION PROCEDURE

1. PERFORM DTC CONFIRMATION PROCEDURE

 With CONSULT

1. Power switch ON.
2. Select "Self Diagnostic Result" mode of "HVAC" using CONSULT.

Is DTC detected?

YES>>

Refer to [Diagnosis Procedure](#).

NO-1>>

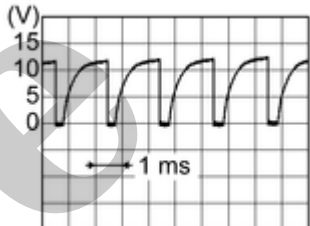
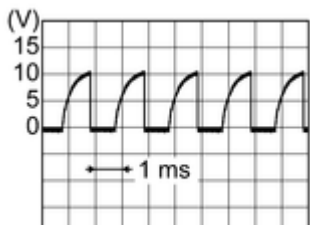
To check malfunction symptom before repair: Refer to [Intermittent Incident](#).

NO-2>>

Confirmation after repair: INSPECTION END

1. CHECK BLOWER MOTOR CONTROL SIGNAL

1. Power switch ON.
2. Check duty ratios between A/C auto amp. harness connectors by using an oscilloscope.

+		-		Condition	Output waveform
A/C auto amp.					
Connector	Terminal	Connector	Terminal		
M2	34	M1	58	Blower motor: OFF	10.5 – 16 V
				Blower motor: 1st speed (manual)	 SIEMD-7205394-01-000311296
				Blower motor: 7th speed (manual)	 SIEMD-7205394-02-000311297

Is the inspection result normal?

YES>>

Replace A/C auto amp. Refer to [Removal & Installation](#).

NO>>

[GO TO 2.](#)

2. CHECK BLOWER MOTOR CONTROL SIGNAL CIRCUIT FOR SHORT

1. Power switch OFF.
2. Disconnect blower motor connector and A/C auto amp. connector.
3. Check voltage between blower motor harness connector and ground.

+		-	Voltage (Approx.)
Blower motor			
Connector	Terminal		
M330	1	Ground	0 V

Is the inspection result normal?

YES>>