

Troubleshooting

Blower Motor Speed

Self-diagnosis indicator light G comes on: A problem in the blower motor circuit.

The speed of the blower motor is controlled by signals sent from the climate control unit.

Blower motor only runs on high speed position; does not run in any other speed positions.

NOTE: If the blower motor does not run at all, refer to page [22-30](#).

Self-diagnosis circuit check indicates a problem in the blower motor circuit.

Check for an open in the wire:

1. Disconnect the power transistor 3P connector.
2. Check for continuity between the No. 1 terminal and body ground.

Is there continuity?

YES

NO

Check for an open in the wire between the power transistor and body ground. If the wire is OK, check for poor ground at G401 and G402.

Check for an open in the wire:

1. Connect the No. 1 and No. 3 terminals of the power transistor 3P connector with a jumper wire.
2. Turn the ignition switch ON (II).

Does the blower motor run at high speed?

YES

NO

Repair open in the wire between the power transistor and the blower motor.

Check for an open in the wire:

1. Turn the ignition switch OFF.
2. Disconnect the jumper wire.
3. Remove the climate control unit (see page [22-55](#)), and disconnect the 8P and 20P connectors.
4. Check for continuity between the No. 1 terminal of the climate control unit 20P connector and the No. 2 terminal of the power transistor 3P connector.

Is there continuity?

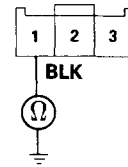
YES

NO

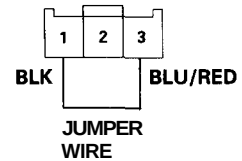
Repair open in the wire between the power transistor and the climate control unit.

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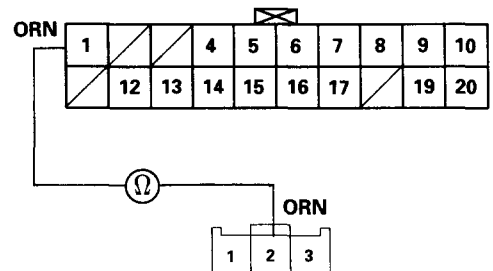
POWER TRANSISTOR 3P CONNECTOR

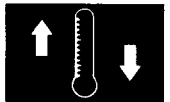


Wire side of female terminals



CLIMATE CONTROL UNIT 20P CONNECTOR
Wire side of female terminals





From page 22-28

Check for a short in the wire:

Check for continuity between the No. 1 terminal of the climate control unit 20P connector and body ground.

Is there continuity?

YES

Repair short in the wire between the climate control unit and the power transistor.

NO

Check for an open in the wire:

1. Turn the ignition switch ON (II).
2. Measure the voltage between the No. 8 terminal of the climate control unit 8P connector and body ground.

Is there battery voltage?

NO

Repair open in the wire between the climate control unit and the blower motor.

YES

Check the power transistor:

1. Turn the ignition switch OFF.
2. Reconnect the climate control unit 8P and 20P connectors.
3. Test the power transistor (see page 22-63).

Is the power transistor OK?

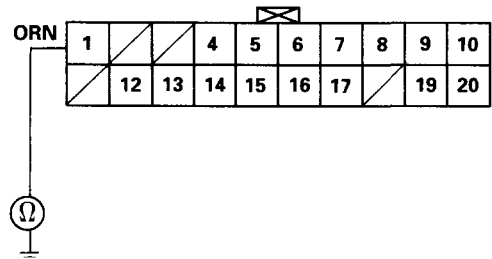
NO

Replace the power transistor.

YES

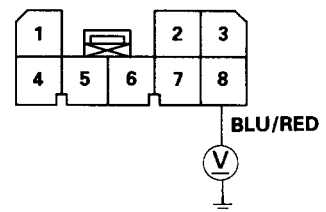
Check for loose wires or poor connections at the climate control unit 8P and 20P connectors and at the power transistor 3P connector. If the connections are good, substitute a known-good climate control unit, and recheck. If the symptom/indication goes away, replace the original climate control unit.

CLIMATE CONTROL UNIT 20P CONNECTOR



Wire side of female terminals

CLIMATE CONTROL UNIT 8P CONNECTOR



Wire side of female terminals