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Document ID# 649084
2001 Chevrolet/Geo Chevy C Silverado - 2WD

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Blower Motor Inoperative

Test Description

The number(s) below refer to the step number(s) on the diagnostic table.

2. This step tests for blower motor operation in any speed setting.
3. This step tests for voltage at the blower motor.
4. This step tests for a possible open in the blower motor ground circuit.
5. This step tests for output voltage from the blower motor switch.

Step	Action	Yes	No
<i>Schematic Reference:</i> HVAC Schematics			
DEFINITION: The blower motor is inoperative in all speed positions.			
1	Did you review the HVAC operation and perform the necessary inspections?	Go to Step 2	Go to Symptoms - HVAC Systems - Manual
<u>2</u>	<ol style="list-style-type: none"> 1. Turn ON the ignition, with the engine OFF. 2. Place the mode selector to the vent position. 3. Place the blower motor switch in each speed position. Is the blower motor inoperative in each speed position?	Go to Step 3	Go to Testing for Intermittent and Poor Connections in Wiring Systems
<u>3</u>	<ol style="list-style-type: none"> 1. Turn OFF the ignition. 2. Disconnect the blower motor. 3. Turn ON the ignition, with the engine OFF. 4. Connect a test lamp between the blower motor supply circuit and a good ground. 5. Place the blower motor switch in the minimum speed position. Does the test lamp illuminate?	Go to Step 4	Go to Step 5
<u>4</u>	<ol style="list-style-type: none"> 1. Connect a test lamp between the blower motor supply circuit and the blower motor ground circuit. 2. Place the blower motor switch in the minimum speed position. Does the test lamp illuminate?	Go to Step 9	Go to Step 8

5	<p>Important</p> <p>The blower motor switch must be in the correct speed position for the blower motor control circuit being tested. Failure to do this will result in a misdiagnosis.</p> <ol style="list-style-type: none"> 1. Turn OFF the ignition. 2. Disconnect the blower motor resistor assembly connector C1. 3. Turn ON the ignition, with the engine OFF. 4. Place the blower motor switch in the minimum speed position. 5. Probe the low blower motor control circuit with a test lamp that is connected to a good ground. <p>Does the test lamp illuminate?</p>	Go to Step 10	Go to Step 6
6	<p>Test the HVAC module ignition 3 voltage circuit for an open, high resistance or a short to ground. Refer to Circuit Testing and Wiring Repairs in Wiring Systems.</p> <p>Did you find and correct the condition?</p>	Go to Step 15	Go to Step 7
7	<p>Test each blower motor control circuit for a short to ground. Refer to Circuit Testing and Wiring Repairs in Wiring Systems.</p> <p>Did you find and correct the condition?</p>	Go to Step 15	Go to Step 11
8	<p>Test the ground circuit of the blower motor resistor assembly for an open or high resistance. Refer to Circuit Testing and Wiring Repairs in Wiring Systems.</p> <p>Did you find and correct the condition?</p>	Go to Step 15	Go to Step 10
9	<p>Inspect for poor connections at the harness connector of the blower motor. Refer to Testing for Intermittent and Poor Connections and Connector Repairs in Wiring Systems.</p> <p>Did you find and correct the condition?</p>	Go to Step 15	Go to Step 13
10	<p>Inspect for poor connections at the harness connectors of the blower motor resistor assembly. Refer to Testing for Intermittent and Poor Connections and Connector Repairs in Wiring Systems.</p> <p>Did you find and correct the condition?</p>	Go to Step 15	Go to Step 14
11	<p>Inspect for poor connections at the harness connectors of the HVAC control module. Refer to Testing for Intermittent and Poor Connections and Connector Repairs in Wiring Systems.</p> <p>Did you find and correct the condition?</p>	Go to Step 15	Go to Step 12

12	Replace HVAC module. Refer to HVAC Control Assembly Replacement . Did you complete the replacement?	Go to Step 15	--
13	Replace blower motor. Refer to Blower Motor Replacement in Heating, Ventilation and Air Conditioning. Did you complete the replacement?	Go to Step 15	--
14	Replace blower motor resistor assembly. Refer to Blower Motor Resistor Replacement in Heating, Ventilation and Air Conditioning. Did you complete the replacement?	Go to Step 15	--
15	Operate the system in order to verify the repair. Did you correct the condition?	System OK	Go to Step 2

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