Blower Motor Malfunction

Blower Motor Resistor Assembly	
Low Speed Resistance	2.8 ohms
Medium 1 Speed Resistance	1.5 ohms
Medium 2 Speed Resistance	0.6 ohms
High Speed Resistance	0 ohms

Step	Action	Yes	No
Schematic Reference: HVAC Schematics *Connector End View Reference:* HVAC Connector End Views DEFINITION: The blower motor operates in at least one, but not all, speed positions.			
1	Did you perform the HVAC Diagnostic System Check?	Go to Step 2	Go to Diagnostic System Check - HVAC Systems - Manual
2	1. Turn ON the ignition, with the engine OFF. 2. Place the blower motor switch in each speed position. Does the blower motor operate at the desired speeds?	Go to Testing for Intermittent Conditions and Poor Connections in Wiring Systems	Go to Step 3
3	Does the blower motor operate at high speed?	Go to Step 4	Go to Step 6
4	Test the applicable blower motor speed control circuit for an open or high resistance. Refer to Circuit Testing and Wiring Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 17	Go to Step 5
5	1. Disconnect the blower motor resistor assembly. 2. Test the applicable blower motor resistor circuit for an open or high resistance. Refer to Circuit Testing and Wiring Repairs in Wiring Systems. Did the blower motor resistor test OK?	Go to Step 12	Go to Step 11
6	1. Disconnect the blower relay. 2. Connect a 30-amp fused jumper between the blower motor high speed control circuit and the blower motor high speed ground circuit.		

	Does the blower motor operate?	Go to Step 9	Go to Step 7
7	Test the blower relay switch feed circuit for an open or high resistance. Refer to Circuit Testing and Wiring Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 17	Go to Step 8
8	Test the blower relay switch ground circuit for an open or high resistance. Refer to Circuit Testing and Wiring Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 17	--
9	Test the blower relay coil supply voltage circuit for an open or high resistance. Refer to Circuit Testing and Wiring Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 17	Go to Step 10
10	Test the blower relay coil control circuit for an open or high resistance. Refer to Circuit Testing and Wiring Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 17	Go to Step 13
11	Inspect for poor connections at the harness connector of the blower motor resistor assembly. Refer to Testing for Intermittent Conditions and Poor Connections and Connector Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 17	Go to Step 14
12	Inspect for poor connections at the harness connector of the blower motor switch. Refer to Testing for Intermittent Conditions and Poor Connections and Connector Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 17	Go to Step 15
13	Inspect for poor connections at the harness connector of the blower relay. Refer to Testing for Intermittent Conditions and Poor Connections and Connector Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 17	Go to Step 16
14	Replace the blower motor resistor. Refer to Blower Motor Resistor Assembly Replacement in Heating, Ventilation and Air Conditioning.		--

	Did you complete the replacement?	Go to Step 17	
15	Replace the blower motor switch. Refer to Heater and Air Conditioning Control Replacement . Did you complete the replacement?	Go to Step 17	--
16	Replace the blower relay. Refer to Relay Replacement in Wiring Systems. Did you complete the replacement?	Go to Step 17	--
17	Operate the system in order to verify the repair. Did you correct the condition?	System OK	Go to Step 2