

How To: **HVAC Fan Motor: Resistor & Connector** **Replacement**

A CFans Members Mod Project by Canyon08Z71, philmiami, jlong



Skill Level: **Easy**

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PURPOSE: To replace a damaged fan motor resistor and/or connector.

Note: **The resistor needs to be purchased to complete repair. You can either decide to splice in a replacement connector or replace the entire wiring harness.**

REQUIRED PARTS:

- **Resistor** - p/n 15218254
- **Connector** - p/n 15306069
- **Wiring harness** - p/n 89019124
- OR**
- **Harness and resistor as a package**, P/N PK15218254



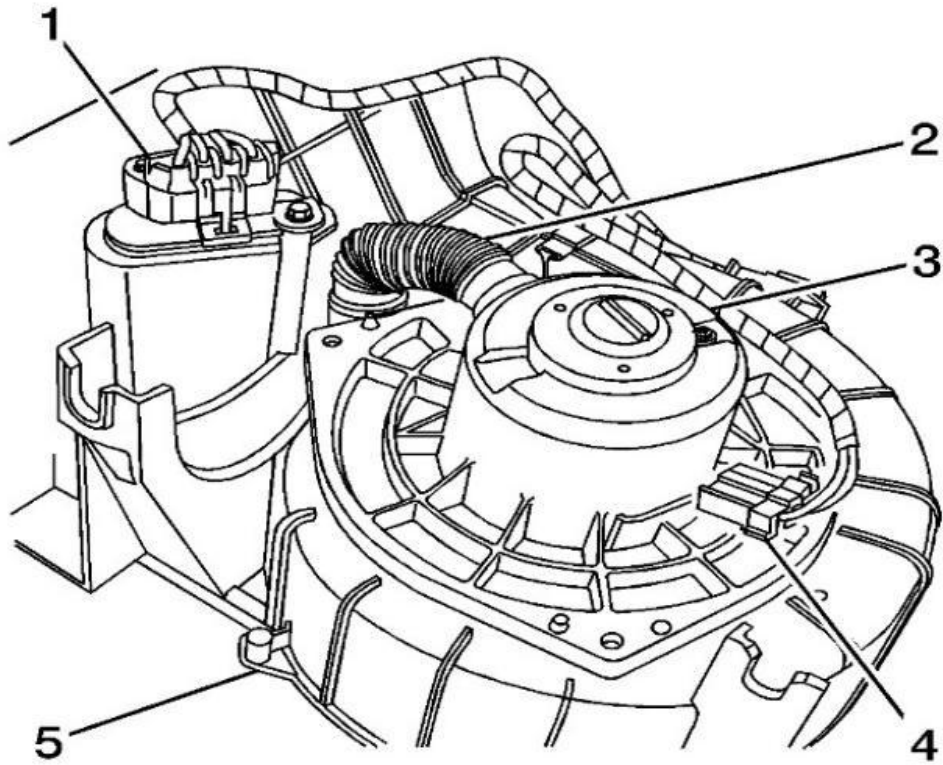
REQUIRED TOOLS:

- 1/4" drive ratchet and socket set
- Wire cutter/stripper/crimper tool

INSTRUCTIONS:

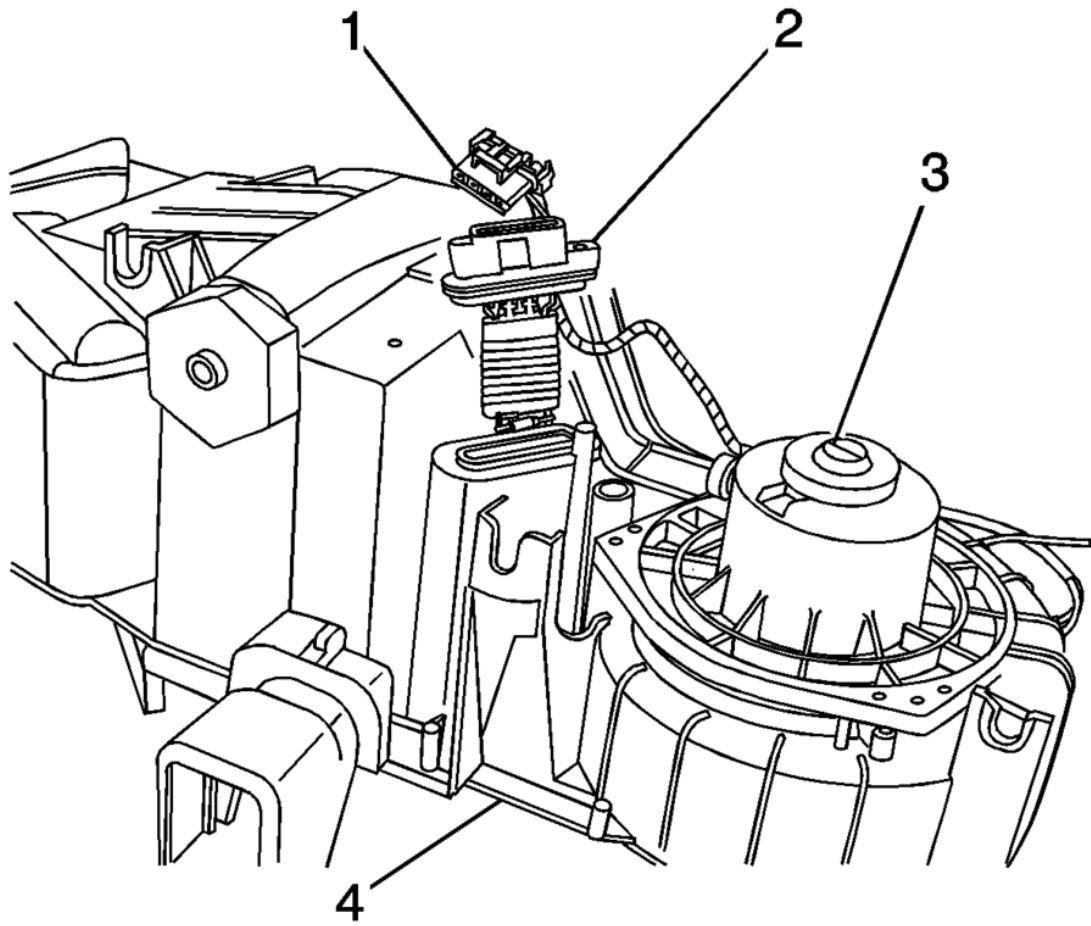
1. HVAC Fan Motor Legend:

- (1) - Resistor
- (2) - Blower Motor Cooling Tube
- (3) - Blower Motor
- (4) - Blower Motor Electrical Connector
- (5) - HVAC system



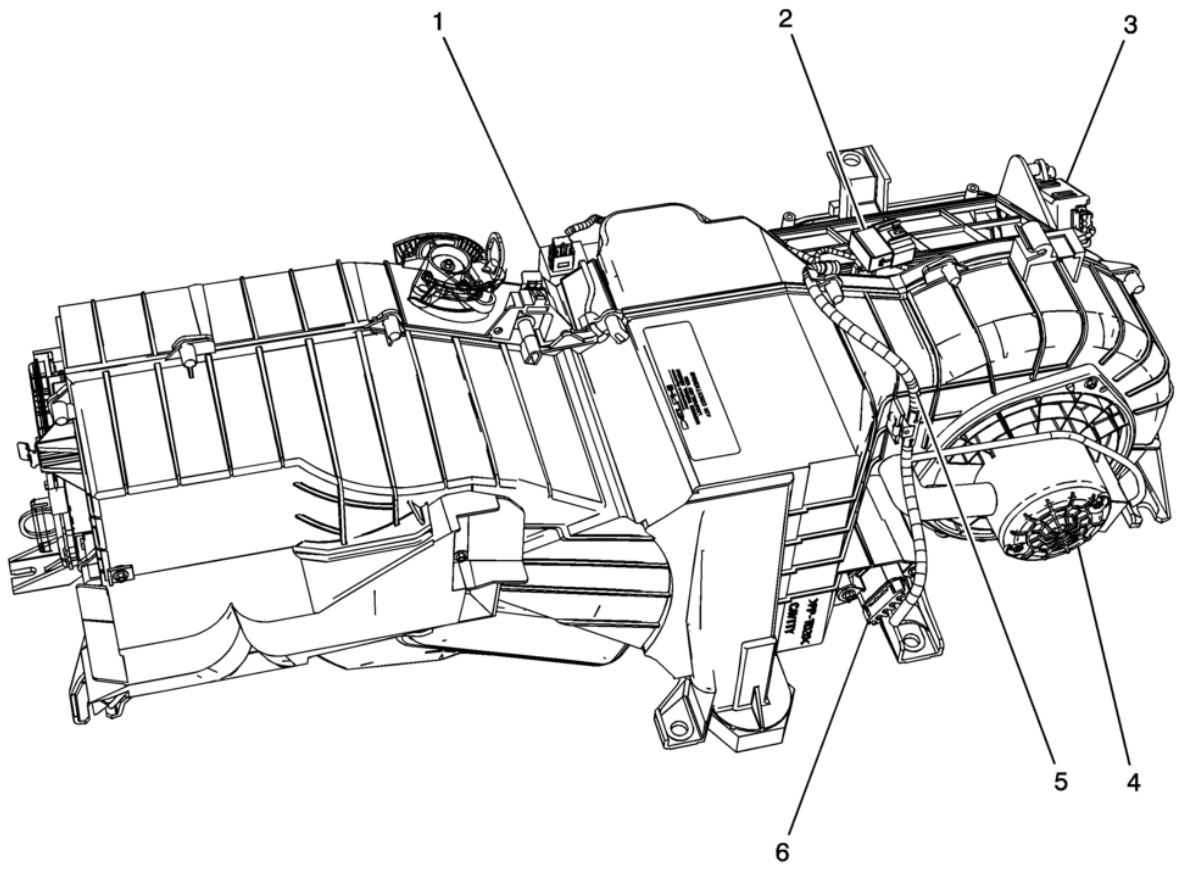
2. Legend:

- (1) - Blower motor resistor electrical connector
- (2) - Blower motor resistor
- (3) - Blower motor

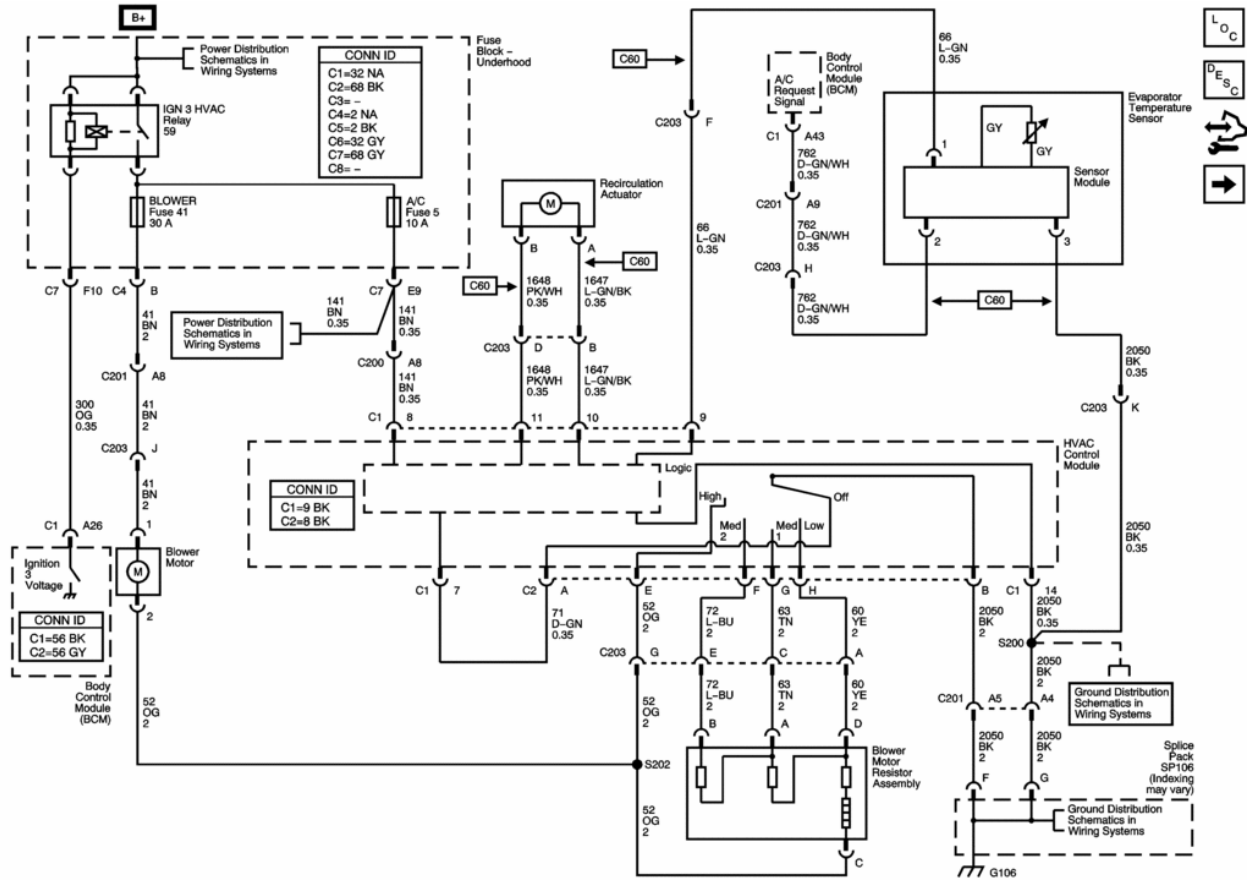


3. HVAC Resistor Wiring Harness Legend:

- (1) Evaporator Temperature Sensor (C60)
- (2) C203 (I/P Harness to the HVAC Harness)
- (3) Recirculation Actuator (C60)
- (4) Blower Motor
- (5) S202
- (6) Blower Motor Resistor Assembly



4. Electrical Schematic:



5. **Work Area:** Passenger side part of the dash (underneath glove box).

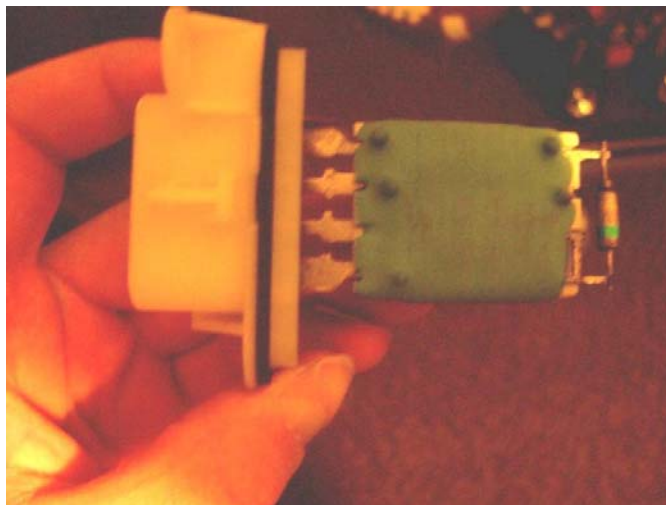
6. Canyon04Z71's Repair

Symptoms: Truck cold (first start of the day in winter temps), no HVAC fan motor setting #1 through #3 available. Only setting #4 worked to turn the fan on. Once the truck was warmed up, the HVAC fan motor settings #1 through #4 worked fine.

Problem found:

Burnt up terminals for the resistor and connector. Plastic housing for resistor and connector melted.





7. philmiami's repair

My fan control quit working on setting # 3. The problem began after I had a dealership replace the blower motor under warranty because of the whining noise it made. Sometimes I would have to reach under the dash and push up the connector because the fan would quit working, most of the time while driving. It was very annoying. After checking the connector, I found the blue wire was changing to a burnt looking color. I new it was the resistor going bad. It really melted the connector. I went to rockauto.com and their catalog is superb in looking for parts for most vehicles.

I ordered the parts; a new connector (which was 3 times the amount of the resistor) and resistor (\$9) and got them shipped 2 day Fedex. The connector comes with gray wires so don't mix up the colors when you cut them. It comes with 4 butt-end connectors so this was an easy fix.







8. jlong's repair (using replacement harness):



