

Blower Motor Circuit

Meets ASE Task: (A7-D-3) P-1 Inspect and test HVAC system blower motors, resistors, switches, relays, wiring, and protection devices; determine needed action.

Name: _____ Date: _____ Time on Task: _____

Make/Model/Year: _____ VIN: _____

Evaluation (Enter number from 4, 3, 2, 1) : _____

1. Check service information and determine the specified testing procedures.

2. Locate the blower motor schematic and determine the following information:

- a. Describe the blower location _____
- b. Is the blower motor accessible from inside the vehicle or from under the hood?

- c. List the wire colors and their gauge:

Power = _____

Ground = _____

3. How are the various speeds controlled?

- Resistor pack
- Electronic controller
- Other (describe) _____

4. What fuse number (label) and amperage rating are used for the blower motor?

a. Fuse number (label) _____

b. Fuse rating _____

5. Describe the location of the ground(s) for the blower motor circuit. _____

6. Measure the current draw of the blower motor on high speed.

Amperage = _____ (normal blower motor amperage draw is about 12-14 amperes)

7. Based on the inspection and test results, what is the needed action? _____

