

Blower Motor Diagnosis

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

A. Describe the location _____

B. Is the blower motor accessible from inside the vehicle or from under the hood?

Inside Under the hood

C. List the wire colors and their gauge:

Power = _____

Ground = _____

2. List the specified testing procedure: _____

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 test results, what is the needed action? _____

