

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

**Meets ASE Task:** (A1-D-10) P-1 Inspect and test fan(s), fan clutch (electrical or mechanical), fan shroud, and air dams; determine needed action.

**Engine Fan Inspection and Testing**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

Time on Task:\_\_\_\_\_\_\_\_\_\_\_\_\_

Make/Model/Year:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

VIN:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**[ ]  1.** Identify the type of cooling fans.

 **[ ]** Engine driven

 **[ ]** Electric (If electric, one or two fans? \_\_\_\_)

 **[ ]** Hydraulically operated

**[ ]  2.** If mechanical, check the fan clutch for fluid (silicone

 fluid) leakage or other damage.

 **OK [ ]  NOT OK [ ]** Describe the fault: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**[ ]  3.** Check the mechanical fan clutch for proper operation by placing cardboard over the

 front of the radiator and start the engine. Allow the engine to reach normal operating

 temperature. As the temperature of the coolant increases above the normal

 temperature range, the fan noise should increase indicating that the fan clutch has

 engaged.

 **OK [ ]  NOT OK [ ]**

**[ ]  4.** Inspect the fan shroud for damage or if the shroud is missing.

 **OK [ ]  NOT OK [ ]**

**[ ]  5.** Inspect that the air dam underneath the front of the vehicle is in place and not missing

 or damaged.

 **OK [ ]  NOT OK [ ]**

**[ ]  6.** From the inspection above, what is the needed action? ­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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