

# Exhaust Manifold Inspection

**Meets NATEF Task:** (A8-D-9) Inspect and test electrical/electronically-operated components and circuits of air injection systems; perform necessary action. (P-1)

Name \_\_\_\_\_ Date \_\_\_\_\_ Time on Task \_\_\_\_\_

Make/Model/Year \_\_\_\_\_ VIN \_\_\_\_\_ Evaluation: 4 3 2 1

\_\_\_\_\_ 1. Number of exhaust manifolds on the engine?

- \_\_\_\_\_ one
- \_\_\_\_\_ two



\_\_\_\_\_ 2. Type of material used?

- \_\_\_\_\_ cast iron
- \_\_\_\_\_ steel (header-type manifold)
- \_\_\_\_\_ other (describe)

\_\_\_\_\_ 3. Exhaust manifold(s) laminated (two pieces sandwiched together)? Yes \_\_\_ No \_\_\_

\_\_\_\_\_ 4. Is there a gasket used between the exhaust manifold and the cylinder head from the factory?

Yes \_\_\_ No \_\_\_

\_\_\_\_\_ 5. What type of fasteners are used to hold the exhaust manifold to the cylinder head?

- \_\_\_\_\_ bolts
- \_\_\_\_\_ nuts (uses studs in the head)



\_\_\_\_\_ 6. What is the torque specification for the fasteners?

\_\_\_\_\_

\_\_\_\_\_ 7. Carefully inspect the exhaust manifold for cracks or damage.

\_\_\_\_\_ 8. Based on the results, what is the necessary action? \_\_\_\_\_

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