

# Port Fuel-Injection Intake Manifold Identification

Meets NATEF Task: Not specified by NATEF

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

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

\_\_\_\_\_ 1. The intake manifold (plenum) is a:

- \_\_\_\_\_ one-piece design
- \_\_\_\_\_ two-piece design
- \_\_\_\_\_ more than two pieces

\_\_\_\_\_ 2. The manifold (plenum) is constructed of:

- \_\_\_\_\_ plastic
- \_\_\_\_\_ aluminum
- \_\_\_\_\_ composite (more than one material)



\_\_\_\_\_ 3. The engine has:

- \_\_\_\_\_ one intake valve per cylinder
- \_\_\_\_\_ two intake valves per cylinder
- \_\_\_\_\_ three intake valves per cylinder

\_\_\_\_\_ 4. The throttle body is:

- \_\_\_\_\_ a separate replaceable part
- \_\_\_\_\_ part of the intake manifold

\_\_\_\_\_ 5. The manifold includes a manifold tuning valve.

- \_\_\_\_\_ **Yes**
- \_\_\_\_\_ **No**

\_\_\_\_\_ 6. The fuel rails for the injector are:

- \_\_\_\_\_ plastic
- \_\_\_\_\_ metal