

# Cylinder Head Assembly Inspection

Meets NATEF Task: (A1-B-2) Identify and interpret engine concern; determine necessary action. (P-3)

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

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

- \_\_\_\_\_ 1. Oil the valve stem and install the valve in the head.
- \_\_\_\_\_ 2. Install the retainer or rotator on the stem along with the locks (keeper) and pull them up tight.
- \_\_\_\_\_ 3. Measure the installed height from the spring seat to the underside of the retainer or rotator.

Check service information and determine installed height specification \_\_\_\_\_

Record the actual installed height for each valve:

Left head intakes \_\_\_\_\_

Left head exhaust \_\_\_\_\_

Right head intakes \_\_\_\_\_

Right head exhaust \_\_\_\_\_

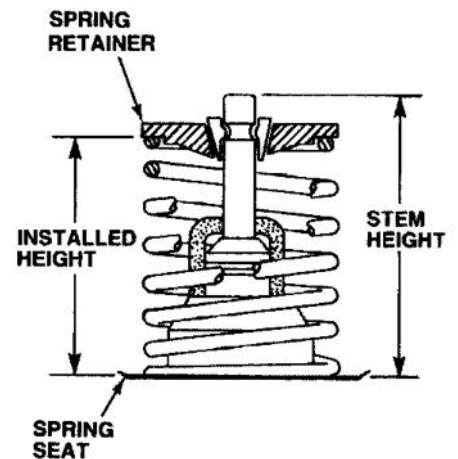
- \_\_\_\_\_ 4. Record the thickness of the inserts (shims) required to restore the correct installed height (necessary action):

Left head intakes \_\_\_\_\_

Left head exhaust \_\_\_\_\_

Right head intakes \_\_\_\_\_

Right head exhaust \_\_\_\_\_



- \_\_\_\_\_ 5. Check service information and determine the specified valve stem height. \_\_\_\_\_

- \_\_\_\_\_ 6. Record the valve stem height.

Left head intakes \_\_\_\_\_

Left head exhaust \_\_\_\_\_

Right head intakes \_\_\_\_\_

Right head exhaust \_\_\_\_\_

- \_\_\_\_\_ 7. What is the necessary action? \_\_\_\_\_