

# Misfire Monitor Activity

**Meets NATEF Task:** (A8-B-1) Diagnose emissions or driveability concerns without stored diagnostic trouble codes; determine necessary action (P-1)

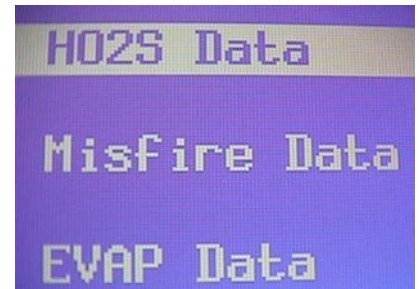
Name \_\_\_\_\_ Date \_\_\_\_\_ Time on Task \_\_\_\_\_

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

\_\_\_\_\_ 1. Check service information for the details regarding how the misfire monitor reacts to a misfire and under what engine operating conditions.

\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_ 2. Connect a scan tool to the data link connector (DLC) and create a misfire. (Use a spark tester connected to one removed spark plug wire to create an ignition misfire without doing any harm to the vehicle.)

\_\_\_\_\_ 3. Observe the misfire monitor on the scan tool and record. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ 4. Rapidly depress the accelerator pedal to wide-open throttle (WOT) a few times. Did the misfire monitor change?

\_\_\_\_\_ Yes \_\_\_\_\_ No Explain: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ 5. Turn the ignition key off, and then back on. Did a misfire diagnostic trouble code (DTC) set?

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

\_\_\_\_\_ 6. Check freeze frame information on the scan tool. Was freeze frame stored?

\_\_\_\_\_ Yes \_\_\_\_\_ No Why? \_\_\_\_\_

\_\_\_\_\_ 7. Based on this activity, what action is necessary? \_\_\_\_\_