

Misfire Monitor Activity

Meets NATEF Task: (A8-B-3) 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? _____