Name:_____Date:_____Class_____

TASK Perform cylinder power balance tests; determine necessary action.

MLR 8A3 | AST 8A6 | MAST 8A6

Time off_____

Time on_____

Total time_____

CDX Tasksheet Number: C393

1. Research the best option for disabling the cylinders on this vehicle in the appropriate service Information. The list that follows contains the most common methods. Choose the one that you plan on using.
   a. **Disconnect individual spark plug wires or ignition coils.** _____
   b. **Disconnect individual fuel injectors (multi-port fuel injection only).** _____
   c. **Use a diagnostic scope to disable cylinders through the ignition primary circuit.** _____
   d. **Use a scan tool on vehicles with power balance capabilities.** _____
   e. **Use short sections of vacuum hose and a test light (option for waste spark ignition systems).** _____

2. **Determine from the service information if this vehicle has an idle control system. If it does, list how to best disable the system during this test:**

3. Have your supervisor/instructor check the above answers. **Supervisor's/instructor's initials:** _____

4. **If this vehicle is equipped with an idle control system, disable it and set the idle speed to an appropriate RPM.**
   a. **List the RPM here:** _____

5. **Disable the cylinders one at a time and record the RPM drop (not the RPM) of each cylinder.**
   a. **RPM drop: ---**_____ **---**_____ **---**_____ **---**_____ **---**_____ **---**_____ **---**_____ **---**_____

6. **Determine any necessary action(s):**

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7. Have your supervisor/instructor verify satisfactory completion of this procedure, any observations found, and any necessary action(s) recommended.

Performance Rating

CDX Tasksheet Number: C393

0	1	2	3	4
☐	☐	☐	☐	☐

Supervisor/instructor signature _____ Date _____

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