

**► TASK** Inspect, test, and/or replace fuel injectors.

**MAST**  
8D7

**CDX Tasksheet Number: C842**

**Vehicle used for this activity:**

Year \_\_\_\_\_ Make \_\_\_\_\_ Model \_\_\_\_\_

Odometer \_\_\_\_\_ VIN \_\_\_\_\_

Time off \_\_\_\_\_

Time on \_\_\_\_\_

Total time \_\_\_\_\_

1. Research the fuel injector testing procedure for this vehicle in the appropriate service information. List the following:
  - a. Specified resistance for the fuel injectors: \_\_\_\_\_ ohms
  - b. Fuel pump pressure (key on/engine off): \_\_\_\_\_ psi/kPa
  - c. List or print off and attach to this sheet the steps to test the fuel injectors.
  
2. Visually inspect the fuel injectors for leaks, damage, etc. List your observations:
  
  
  
  
  
  
  
  
  
  
3. Follow the specified procedure to test the fuel injectors. List your observations:
  
  
  
  
  
  
  
  
  
  
4. If the service information doesn't list a method for testing the injectors, use the following method.
  - a. Install the fuel pressure gauge on the fuel rail.
  - b. Disconnect the fuel injector electrical connectors.
  - c. Connect the injector pulsing tool to one fuel injector, according to the toolmaker's instructions, and set it for the specified amount of time in milliseconds.
  - d. Pressurize the fuel rail by turning on the ignition switch for a few seconds. Then turn the ignition switch off.
  - e. List the fuel pressure: \_\_\_\_\_ psi/kPa
  - f. Activate the injector pulsing tool for the appropriate amount of time. Watch the pressure gauge and record the pressure after the injector has been cycled on and off (one time). List your readings below. Continue this test on each fuel injector, remembering to pressurize the fuel rail each time before activating the injector pulsing tool.

g. List your readings for each injector.

Injector #1 _____	psi/kPa	Injector #2 _____	psi/kPa
Injector #3 _____	psi/kPa	Injector #4 _____	psi/kPa
Injector #5 _____	psi/kPa	Injector #6 _____	psi/kPa
Injector #7 _____	psi/kPa	Injector #8 _____	psi/kPa

**NOTE** Uneven pressure drops indicate uneven fuel flow through each injector.

5. Determine any necessary action(s):

6. Measure the resistance of each fuel injector and list your readings.

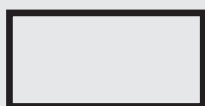
Injector #1 _____	Ohms	Injector #2 _____	Ohms
Injector #3 _____	Ohms	Injector #4 _____	Ohms
Injector #5 _____	Ohms	Injector #6 _____	Ohms
Injector #7 _____	Ohms	Injector #8 _____	Ohms

7. Determine any necessary action(s):

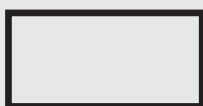
8. Have your supervisor/instructor verify satisfactory completion of this procedure, any observations found, and any necessary action(s) recommended.

Performance Rating

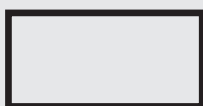
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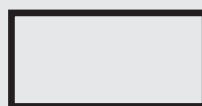
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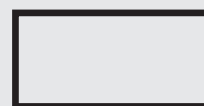
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Supervisor/instructor signature \_\_\_\_\_ Date \_\_\_\_\_