

**► TASK** Inspect engine assembly for fuel, oil, coolant, and other leaks; determine needed action.

**MAST**  
1A4

**CDX Tasksheet Number: C004**

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

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

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

**NOTE** If the vehicle's engine assembly is coated with leaking fluids and road dirt, you may need to pressure wash the engine before inspecting it for leaks. Some very small leaks, or leaks on engines that have a lot of accumulated residue, may be diagnosed with the use of a fluorescent dye and ultraviolet light. Check with your supervisor/instructor about which procedure to perform. Follow the dye check equipment manufacturer's instructions if you are performing this test.

**NOTE** Fluid leaks can be hard to locate. Remember that gravity tends to pull any leaking fluid down. You will need to identify the highest point of the leak to locate its source. Fluids can also be flung from rotating parts, sprayed under pressure from pinhole leaks, or blown by airflow far from the source. Investigate carefully.

1. **Check for fluid leaks under the hood. List any leaks (component leaking and type of fluid):**
  
  
  
  
  
  
  
  
  
  
2. **Safely raise and secure the vehicle on a hoist.**
  
  
3. **Inspect the engine, cooling system, fuel system, transmission/transaxle, and any differentials for leaks. Identify the type of fluid leaking and the source of the leak for the following items:**
  - a. **Engine:**
  
  
  
  
  
  
  
  
  
  
  - b. **Fuel system:**
  
  
  
  
  
  
  
  
  
  
  - c. **Cooling system:**

d. Transmission/transaxle:

e. Steering system:

f. Differentials:

4. Determine any necessary action(s):

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

Performance Rating

CDX Tasksheet Number: C004

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