

**Aftertreatment Fuel Injector (AFTFI) Inspection****Overview**

Inspect Aftertreatment Fuel Injector (AFTFI) for leaks and damage.

**Tools Required**

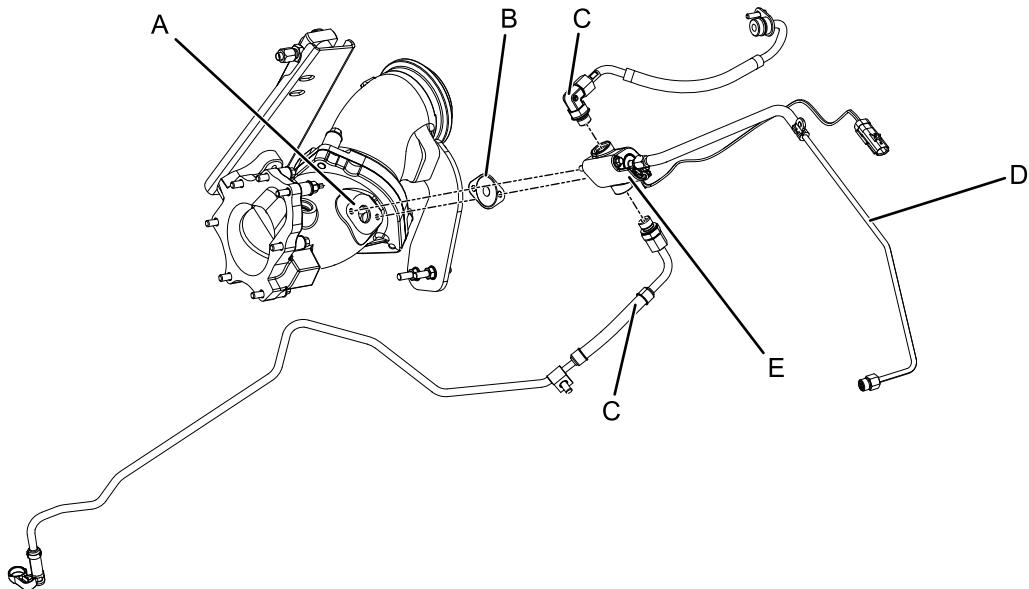
None

**Equipment Condition**

1. Engine cover (dog house) removed.

**Inspection Procedure**

1. Visually inspect AFTFI and exhaust pipe for leaks and damage.



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**Figure 1108 Exhaust and Aftertreatment System**

- |                 |  |  |
|-----------------|--|--|
| A. AFTFI bore   | C. Coolant Supply and Return line<br>(2) | E. Aftertreatment Fuel Injector<br>(AFTFI) |
| B. AFTFI gasket | D. AFTFI fuel supply line                |  |
2. Visually inspect Aftertreatment Fuel Injector (AFTFI) fuel supply line (Figure 1108) (Item D) and coolant supply and return lines (Figure 1108) (Item C) for leaks, kinks, bends, or other damage.

3. Remove AFTFI (see *Engine Service Manual*) and discard gasket. Perform visual check of the following:
  - AFTFI (Figure 1108) (Item E) and bore (Figure 1108) (Item A) are unrestricted and free of carbon buildup.
  - AFTFI tip is free of cracks and other visible damage.
4. Reinstall AFTFI (see *Engine Service Manual*) with new gasket.

**Expected Outcome**

Technician will determine if AFTFI is leaking and / or damaged. Determine if AFTFI fuel supply, and coolant supply and return lines are leaking, kinked, bent, or damaged.