For 2008 MY and later F-250 through F-550 Super Duty Trucks
with the 6.4L DIT Power Stroke Diesel Engine

Primary Fuel Filter Location
under driver’s side frame

1. With a basin positioned below the fuel/water drain port,
open fuel/water drain until water/fuel mixture stops.
   Note: Dispose of fuel properly.

2. Remove fuel filter cap.
   Use a 36mm socket

3. Remove primary fuel filter and O-ring from
   the fuel filter cap.

4a. Replace the primary fuel filter (white
   plastic filter in kit) by
   snapping a new filter element into the fuel
   filter cap.

4b. Slide a new O-ring
   (provided) into position above the fuel
   filter cap threads.

5. Screw the fuel filter cap, with new filter
   and O-ring, back into housing. Torque to 25
   Nm (19 lbs./ft.).

6. Close the water and fuel drain port.
   This completes the primary fuel filter change.
1. Remove fuel filter cap. Use a 24mm socket or 1/2 inch square drive.


3. Remove excess fuel from housing with turkey baster. Note: Dispose of materials properly.

4. Insert new secondary fuel filter (black plastic filter in kit) into fuel filter housing (see picture). Slide a new fuel filter cap O-ring into position just above the fuel filter cap threads.

5. Re-attach fuel filter cap with new O-ring (provided) back onto the filter housing. Torque end cap to 14 Nm using a 24mm socket or 1/2 inch square drive. Warning: Tightening beyond torque specs will crack reusable fuel filter cap.

6. Key vehicle to the ON position (BUT DO NOT START ENGINE) five times for 30 seconds. This will power the electric fuel pump, allowing it to force fuel into both filter housings. This purges the air from the system and allows for a smooth start.

Tools and Materials:
- Socket wrench for fuel filter caps:
  - 36mm socket (primary filter)
  - 24mm socket (secondary filter)
- Fuel filter kit with Motorcraft O-ring included (FD-4609)
- Oil resistant gloves
- Paper towels
- Large collecting basin
- Turkey baster

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