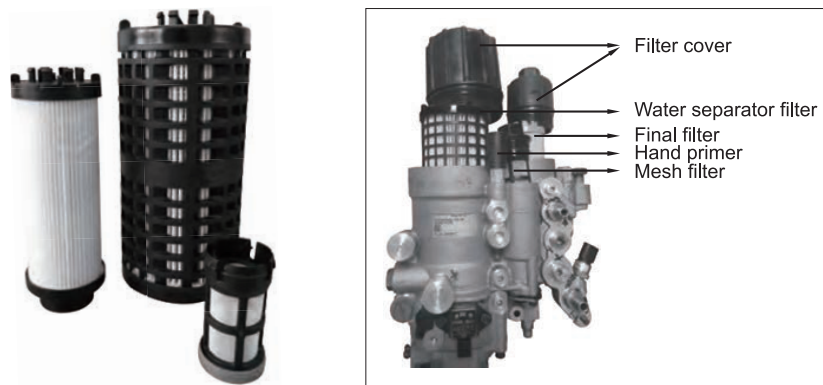


Please pay attention to the following installation instruction !

NOTICE: At cold temperatures (-40°C or -40°F), do not remove the filter elements from the caps unless the intent is to replace the filter elements. Repeated removals at cold temperatures may break the filter element tabs. Do not tilt the filter when removing it from the housing. Possible damage to the filter or stand pipe may occur.



1. Final filter replacement

- *Remove the final filter as follows:*

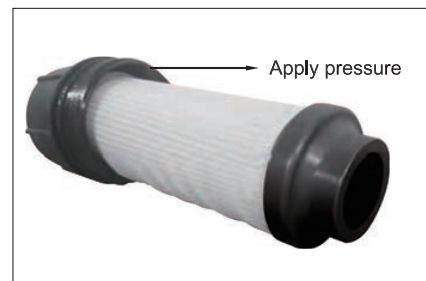
1. Using a 36mm socket, unscrew the final filter cap.
2. Pull the cap and final filter straight up and allow the fuel to drain back.
3. Remove the final filter from the final filter cap by placing the filter on a solid surface and apply pressure on the final filter cap at an angle.
4. Discard the filter.
5. Inspect inside the housing for any large debris and clean if needed.
6. Discard the final filter cap seal ring.



- *Install the final filter as follows:*

1. Install a new final filter cap seal ring.
2. Snap a new final filter into the filter cap.
3. Apply a light coat of lube to the cap seal ring and to the lower seal on the final filter.
4. Install the final filter into the filter module.

5. Turn the cap counterclockwise until a "click" sound is made, then turn clockwise and hand tighten.
6. Torque the filter cap to 55-60N.m.(41-44 ft lbs)



2. Mesh filter replacement

- *Remove the Mesh filter as follows:*

1. Using a 36mm socket, unscrew the Mesh filter cap.
2. Pull the cap and mesh filter straight up and out of the fuel filter housing.
3. Remove the mesh filter from the mesh filter cap and discard.
4. Discard the mesh filter cap seal ring.

- *Install the Mesh filter as follows:*

1. Snap a new mesh filter into the cap.
2. Apply a thin coat of lube to the cap seal ring.
3. Apply a thin coat of lube to the inside and outside of the mesh filter bottom seal.
4. Install the mesh filter into the filter module.
5. Turn the cap counterclockwise until a "click" sound is made, then turn clockwise and hand tighten.
6. Torque the filter cap to 15-20N.m.(11-15 ft lbs)



3. Water separator filter replacement

- *Remove the Water separator as follows:*

1. Using a 36mm socket, unscrew the Water separator filter cap.
2. Pull the cap and Water separator filter straight up and allow the fuel to drain back.

3. Remove the water separator filter from the water separator filter cap by placing the filter on a solid surface and apply pressure on the plastic cap at an angle. Do not use excessive force to avoid breaking or damaging the cap.
4. Discard the filter.
5. Inspect inside the housing for any large debris and clean if needed.
6. Discard the Water separator filter cap seal ring.

• *Install the Water separator filter as follows:*

1. Install a new Water separator filter cap seal ring.
2. Snap a new Water separator filter into the filter cap.
3. Apply a light coat of lube to the cap seal ring and to the lower seal on the Water separator filter.
4. Install the Water separator filter into the filter module.
5. Turn the cap counterclockwise until a “click” sound is made, then turn clockwise and hand tighten.
6. Torque the filter cap to 55-60N.m.(41-44 ft lbs)



Priming the fuel system as follows:

1. Operate the hand primer on the fuel filter module for three minutes or 250 strokes.
2. Crank the engine for 20 seconds.
3. Wait 60 seconds for starter cool down.
4. If engine does not start, repeat step 2 and step 3. The starting cycle can be repeated up to three times.
5. If the engine still fails to start, continue as follows:
 - a. Use the DDDL to check for fault codes, repair as necessary.
 - b. Repeat step 2 and step 3.
6. Start the engine with the accelerator pedal in the idle position. Monitor oil pressure gauge or indicator lamp. Keep the engine running at idling speed until the oil pressure reading id 14 psi (97Kpa) or more.
7. Allow the engine to reach operating temperature 60 C (140 F)。
8. Increase the engine speed to 1800 rpm for three minutes.
9. Reduce the engine speed and check for fuel leaks. Repair if necessary.