

## Fuel Filter

The life of the filter depends on the amount of impurities it is required to remove from the fuel. Therefore, clean fuel will not only increase the life of the filter element, but also make it more efficient.

Plugs (E and C) are provided to remove dirt and water. Drain water in fuel at these points once every 50 hrs. of operation.

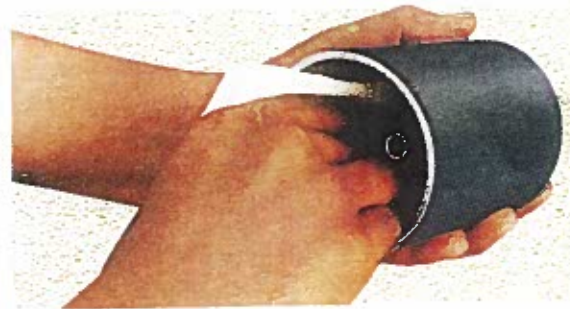
Both paper type filter elements at the primary stage and at the secondary stage are fitted in twin bowls of the fuel filtration system as original equipment. The arrow on the filter cover indicates the direction of fuel flow.

Filter elements should not be cleaned but only replaced as recommended below :

Primary stage paper insert - Every 250 hrs. or earlier if required.

Secondary stage paper insert - Every 500 hrs. or earlier if required.

If impaired, engine operation indicates the filter has become clogged, replace the filter elements immediately. This condition will be indicated by loss of power and engine misfiring at full load. Avoid replacing both the elements simultaneously.



### Servicing Primary Stage Fuel Filter

1. Use a clean cloth and clean the filter assemblies externally.
2. Disconnect pipe (H) of pump inlet connecting to Fuel Filter.
3. Loosen the bleed screws (I) on both filters.
4. Loosen the center bolt (F) on the primary filter and remove the filter bowl with the cloth filter insert.
5. Remove the filter insert from the bowl (G) and discard it.
6. Clean the filter bowl with cleaning medium (diesel, fuel oil, Mineral Spirits or Naphtha)
7. Assemble the filter in the reverse order of dismantling, using new filter element.
8. Tighten the center bolt to a torque of 2 kg.m (15 lb. ft.). **DO NOT OVERTIGHTEN.**



### Servicing Secondary Stage Fuel Filter

1. Follow the operations in servicing the primary stage fuel filter for final stage.
2. After the recommended time, replace with a new genuine filter element insert.
3. For assembly, follow the dismantling instructions in the reverse order.
4. Prime the system and bleed the filters.
5. Tighten the bleed screws.
6. Continue to prime till you get clean fuel flowing from the connection pipe of pump inlet which is already disconnected.
7. Connect the fuel inlet pipe to the pump. Bleed the fuel injection pump.