

# **SEPAR 2000 FUEL FILTER MAINTENANCE**

## **DON'T REPLACE YOUR ELEMENT..... BACKWASH IT!**

When dirt clogs your filter element increased vacuum will develop on top of the filter element.

There are two signs that can indicate this:

1. You will lose engine power and the engine will lose rpm.
2. A FUEL FILTER MONITOR will show maximum restriction. *HIGHLY RECOMMENDED (see below).*

## **BACKWASH EVERY WEEK (OR 200/250HR ENGINE OIL CHANGE - COMMERCIAL)**

1. STOP ENGINE, CLOSE INLET VALVE, or switch over to other filter on duplex system if fitted.
  - Vacuum will be present at the top of the filter.  
Why? The fuel system is a sealed system, and pipework is connected to pump suction side.
2. OPEN VENT SCREW, allow 15/20 seconds before proceeding.
  - Raises vacuum to atmospheric pressure.
  - The dirt particles will release from the bottom of the element.
  - Gravity will assist the dirt particle to slowly fall to the bottom.
3. OPEN DRAIN VALVE (PUSH AND TURN 90 DEGREES ANTI-CLOCKWISE)
  - Clean fuel in the chamber above the element will backwash through the filter element by gravity.
  - Drain *some fuel only*.
4. CLOSE DRAIN VALVE (TURN 90 DEGREES CLOCKWISE. IT WILL THEN SELF LOCK)
5. CLOSE VENT SCREW. If too much fuel has been drained it will be necessary to bleed system.  
CAUTION...Take care not to overtighten vent screw.
6. YOU MAY NOW START YOUR ENGINE, or switch back to the other filter on duplex system.
7. IF ENGINE still lacks power or rpm, or fuel filter monitor reading remains high, REPLACE ELEMENT.

## **TO REPLACE FUEL FILTER ELEMENT**

8. Stop engine or change to other filter if duplex system is fitted.
9. Loosen the lid screws.
10. Remove the lid.
11. Take out the spring cassette.
12. Lift out filter element by the handle.
13. Replace with new filter element.
14. Re-fit the spring cassette.
15. Check lid gasket is positioned correctly or replace if necessary.
16. Fit lid, checking for correct positioning, insert screws and tighten evenly.
17. Prime fuel system if necessary and check for leaks.
18. Restart engine or switch to filter of your choice if a duplex system is fitted.

## **GO TO SEA KNOWING YOU HAVE LIFE IN YOUR ELEMENT.**

### **FIT A FUEL FILTER MONITOR AND GET MAXIMUM ELEMENT SERVICE LIFE!**

- Unlike other filters the SEPAR 2000 element can be backwashed many times before replacement.  
BACKWASH EVERY WEEK (OR 200/250HR ENGINE OIL CHANGE INTERVAL – COMMERCIAL).
- QUESTION... How do you know have life in your element?  
ANSWER... Fit a FUEL FILTER MONITOR, a 50mm gauge, glycerine filled, with RED maximum indicator pointer.
- RED maximum indicator pointer tells you the flow restriction. After backwashing reset the RED indicator pointer.  
When the restriction reading no longer drops after backwashing... replace the element.
- TO FIT. Drill and tap 1/4" BSP hole in centre of Separ filter lid and mount bottom connected gauge.  
Alternatively, mount in pipework close to filter outlet.

Australian Distributors

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