

TECHNICAL INSTRUCTIONS

FUEL HEATER FILTER ELEMENT REPLACEMENT (CTD P/N 30-01123-00)

KIT CONTENTS

Quantity	Part Number	Part Description
1	30-01123-00	Filter element (Bowl Type)
1	30-01122-52	Gasket set includes: • 1 square cut filter gasket • 1 O-ring bowl gasket
1	98-50349-00	Technical instruction

TOOLS REQUIRED

Table mounted work vise w/soft jaws
Strap type oil filter wrench
Paint pen or permanent marker

INSTRUCTIONS

CAUTION: Before beginning any work, ensure the unit start-run off switch (SROS) is in the off position, the battery negative cable is disconnected, and any external shore power is removed. Proper lockout / tag out procedures **MUST** be followed.

1. Prior to removal; drain any remaining fuel from the filter bowl by turning the black drain fitting 2 turns.
Note: Any fuel that is drained must be contained and disposed of properly.
2. Once all residual fuel is removed, close the drain valve.
3. Using a strap type filter wrench, remove the filter/bowl assembly from the filter head.
4. Once removed, invert the filter element to ensure all residual fuel is drained.
Note: Any fuel that is drained must be contained and disposed of properly.
5. Secure the removed filter in a table vise with the plastic bowl assembly facing upward. See FIG.1
Note: The vise should have soft jaw inserts in place or protect the filter from damage with soft cloths.
Using the strap type filter wrench carefully remove the plastic heater bowl.



FIG.1

6. The existing filter bowl may contain a black bevel cut or blue O-ring gasket in the heater bowl assembly. Remove the used gasket and discard. See FIG.2



FIG.2

TECHNICAL INSTRUCTIONS

7. Remove the new blue O-ring gasket from the package and lubricate it using clean diesel fuel. See FIG.3 Once lubricated, insert the new gasket into the heater bowl O-ring/gland slot. See FIG.4



FIG.3



FIG.4

8. Prior to assembling the bowl to the new filter element, lubricate the element threads with clean diesel fuel.
9. Reinstall the clear bowl and tighten by hand until first contact is made between the filter bowl and the new filter element.
10. Using an appropriate marker, place a reference mark across the bowl assembly and the new filter element. See FIG.5

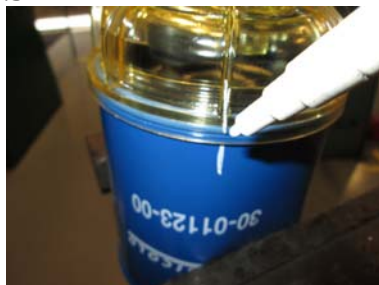


FIG.5

11. Using the strap type filter wrench, rotate the heater bowl an additional 2-1/2 – 3-1/2 ribs from initial contact. See FIG.6 for clarification.



FIG.6

12. Lubricate the new black square cut gasket with clean diesel fuel and install gasket onto the filter.
13. To ensure the unit starts easily, fill the new element with clean diesel fuel.
14. Reinstall filter element / bowl assembly on the filter head assembly.
15. Tighten the filter assembly by hand until initial contact is made. Using the filter strap wrench, apply an additional ~3/4 turn.
16. Mark filter with installation date and hours.
17. Remove lockout / tag out devices, reconnect battery and check for proper unit operation. Ensure that no fuel leaks are present.