

40-100, 40-200 $\frac{3}{4}$ "-2"



Modification Overview

- Early models of $\frac{3}{4}$ "-2" 40-100 and 40-200 series did not always have replaceable check seats. In 1994 replaceable seats became standard.
- The $\frac{3}{4}$ "-2" 40-100 DCA was produced in both a wye pattern body design and a top entry design.

Check Cover Removal

- Cover is threaded into body and o-ring sealed.
- Cover is spring loaded.
- Loosen cover with wrench, then remove by hand while holding firmly against spring pressure.



Check Valve Removal

- Poppet style check valve.
- The poppet and spring are free once the cover is removed.



Check Seat Removal

- Seats are threaded and o-ring sealed.
- A “special tool” is needed for removal.



Check Disc Replacement

- Remove the screw and disc washer from poppet.



Check Valve Reassembly Notes

- Inspect and clean the guide bore on the cover.
- The stem must move freely in the guide bore.
- Reassemble in reverse order.



RV Cover Removal

- RV Cover is sealed by the diaphragm.
- Spring load is contained.



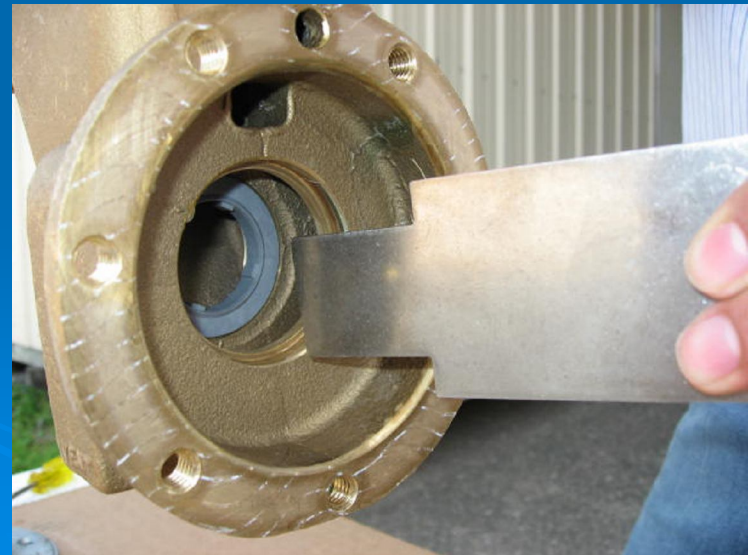
RV Module Removal

- Remove outer diaphragm.
- Module is o-ring sealed.
- Pull module straight out of body.



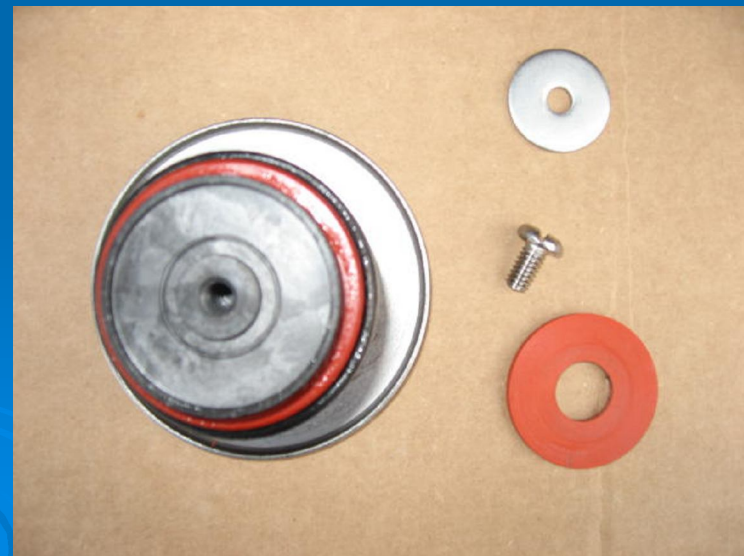
RV Seat Removal

- RV seat is threaded and o-ring sealed.
- A “special tool” is needed for removal.
- * Be careful not to over tighten plastic seat.



RV Disc Replacement

- Holding the module in one hand, remove the screw and retaining washer.
- Remove the seat disc.



Disassemble RV Module

- Module is spring loaded.
- Holding the diaphragm plate firmly, remove the retaining screw.



Disassemble RV Module

- Remove the bushing from the stem.
- Remove the stem o-ring.



RV Reassembly Notes

- Replace and lubricate o-rings.
- Reassemble in reverse order.
- Push module straight into body.
- Make sure diaphragm does not cover hole for sensing line.

