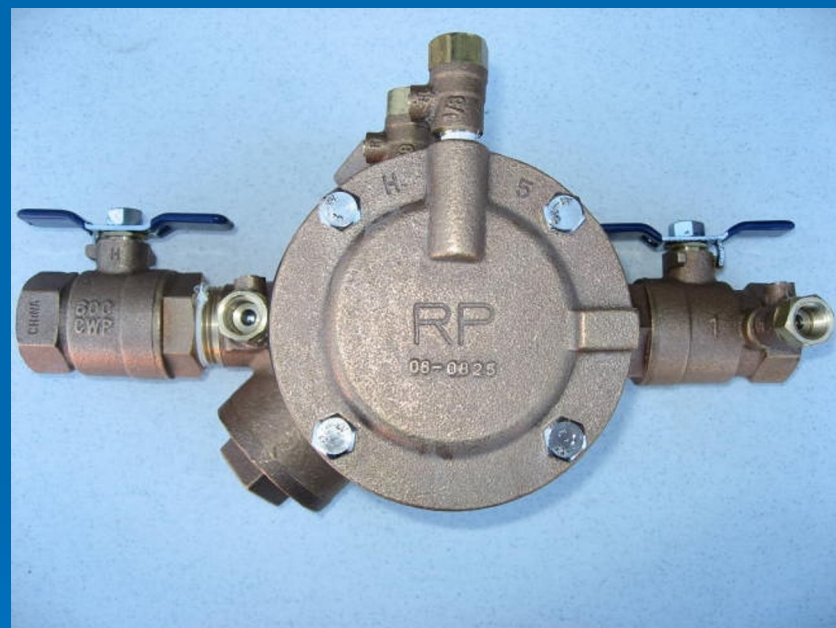
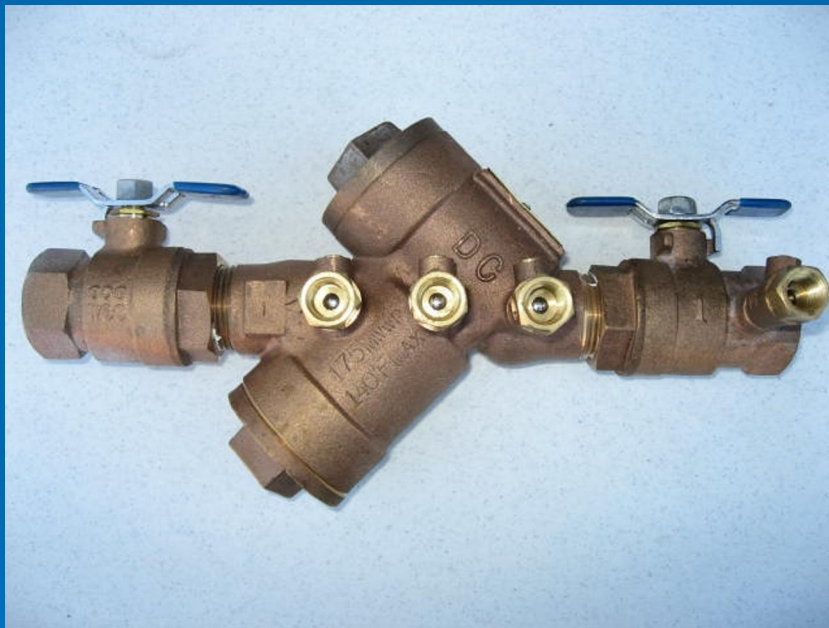


# 805Y, 825Y 3/4"-2"

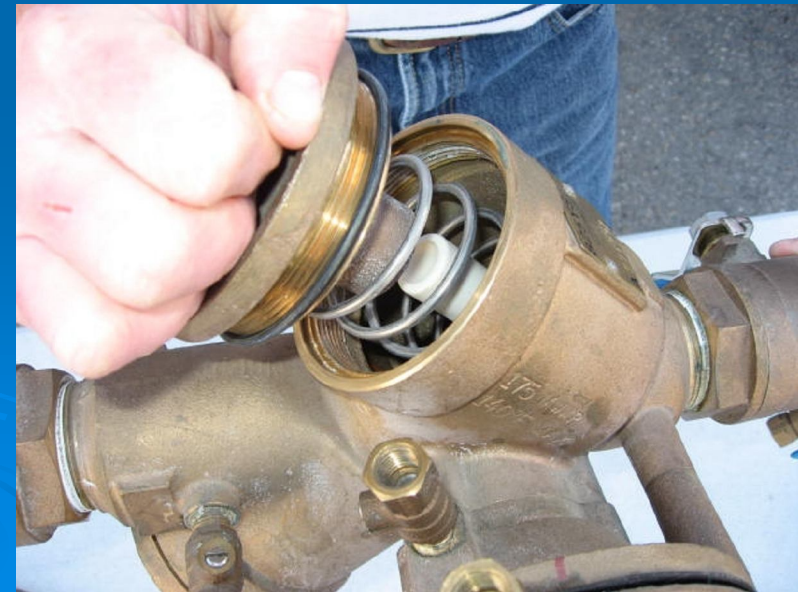
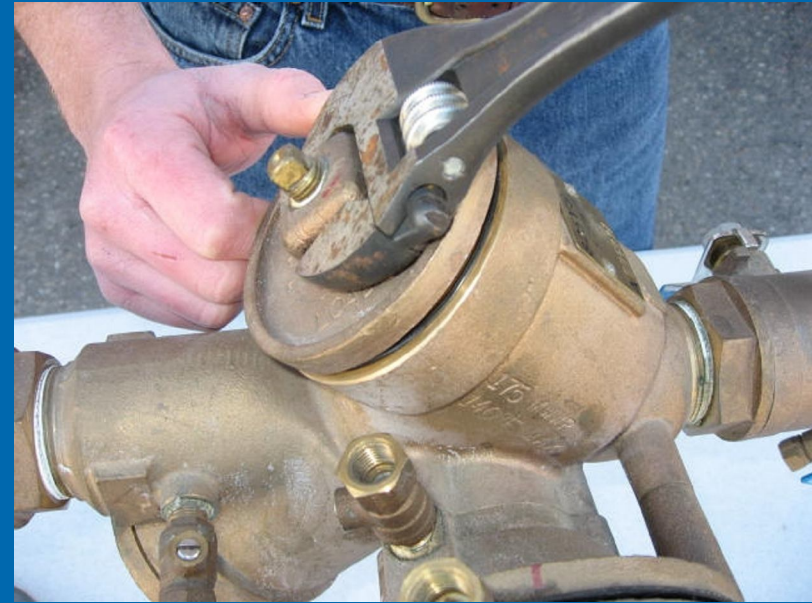


# *Modification Overview*

- The 825YA has angled inlet and outlet valves.
- The 825YR has replaceable check seats.
- The 825YS has silicone rubber parts.
  
- The 805Y was discontinued in 2003.
- The 805YB is still used as a bypass assembly for certain models of DCDA.

# 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 tightly against spring pressure.



# Check Valve Removal

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

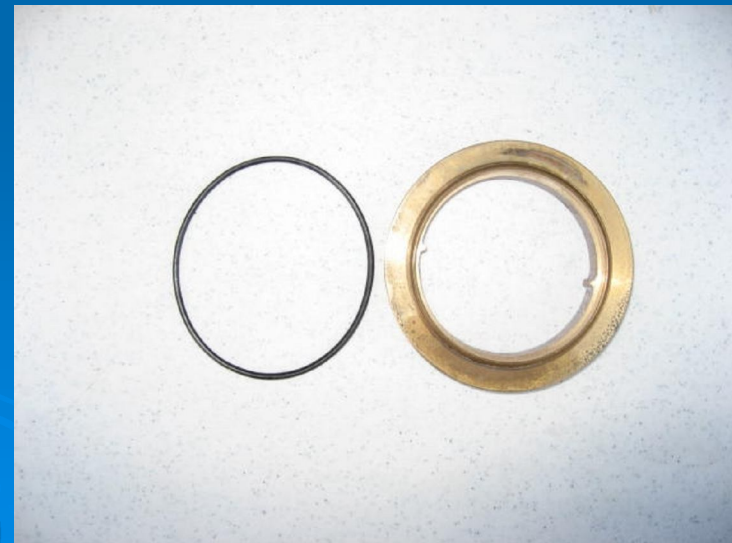
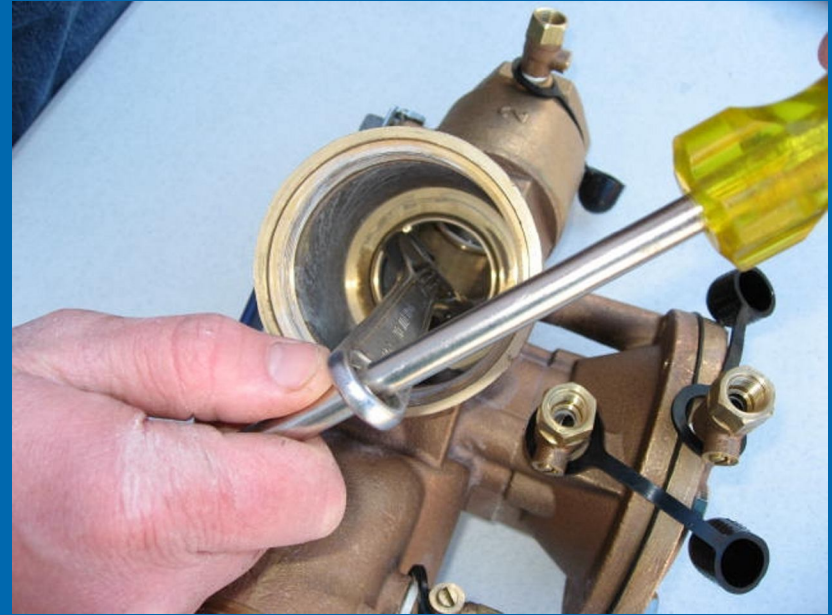


# Check Seat Removal

- Earlier models of the 825Y do not have replaceable seats.

\*\*Current models that start with a “J” serial # have replaceable seats.

- 825YR has replaceable seats.
- Seats are threaded and o-ring sealed.



# Check Disc Replacement

- Remove screw and disc washer from poppet.



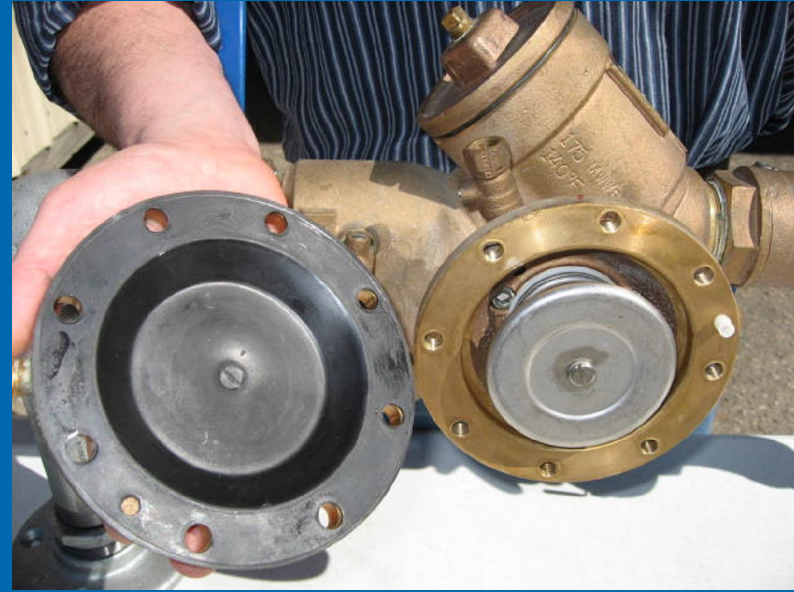
# *Check Valve Reassembly Notes*

- 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.
- Carefully remove sensing port bushing.





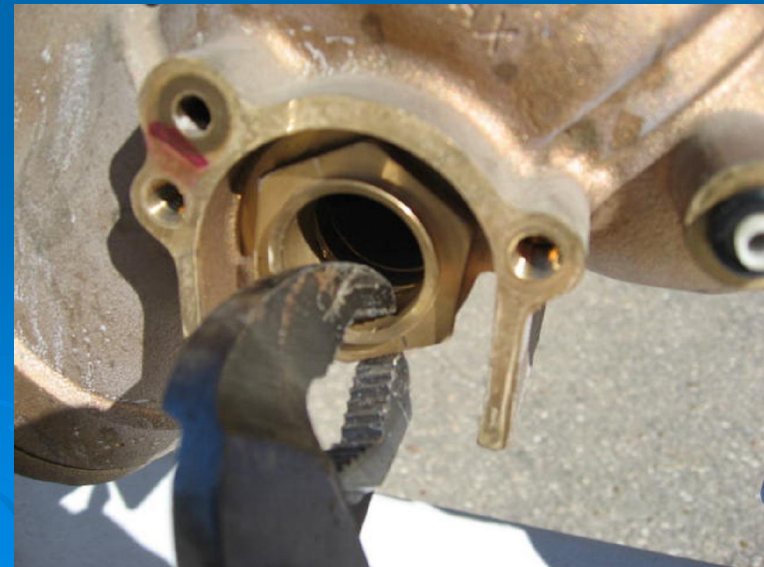
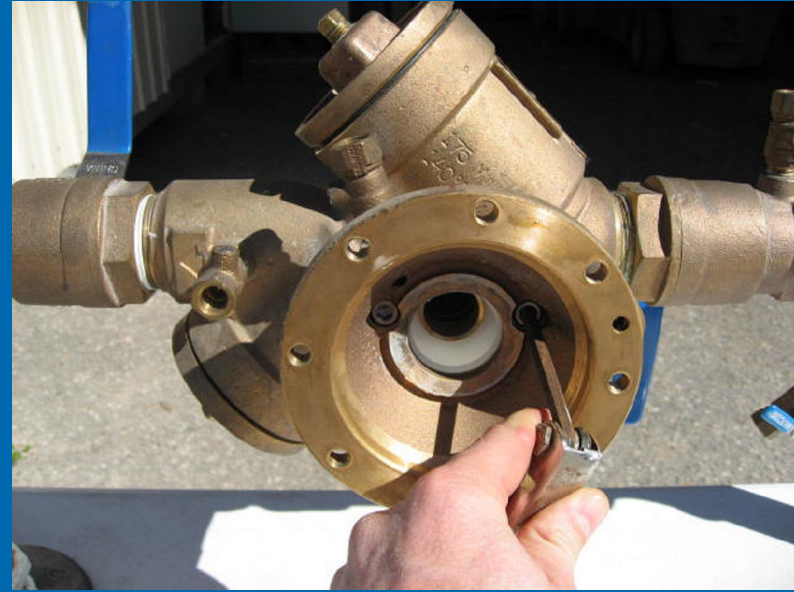
# RV Module Removal

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



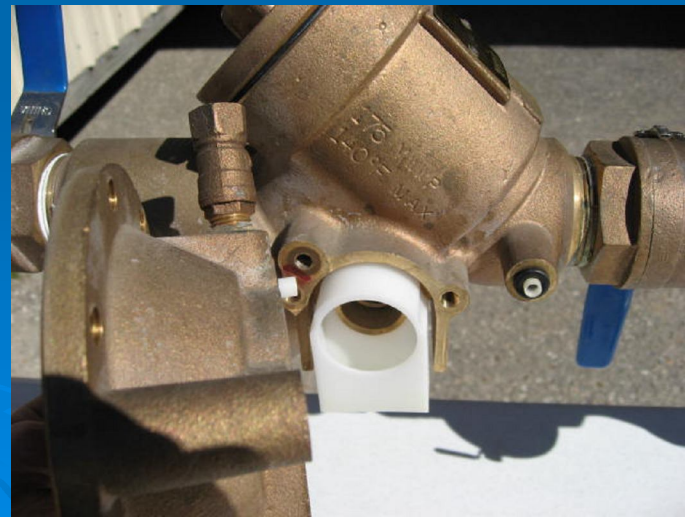
# RV Seat Removal

- Replaceable RV seats only standard on units manufacturer after 1988.
- RV seat is threaded and o-ring sealed.
- Loosen the allen bolts and remove RV body.
- Remove discharge shield.
- Use socket or pliers to unscrew.



# RV Seat Replacement Notes

- Reassemble in reverse order.
- Make sure port bushings and discharge shield is in place.
- Lubricate o-rings.



# RV Disc Replacement

- Remove screw, disc washer, and disc.



# Disassemble RV Module

- Module is spring loaded.
- Hold module firmly and remove button screw.



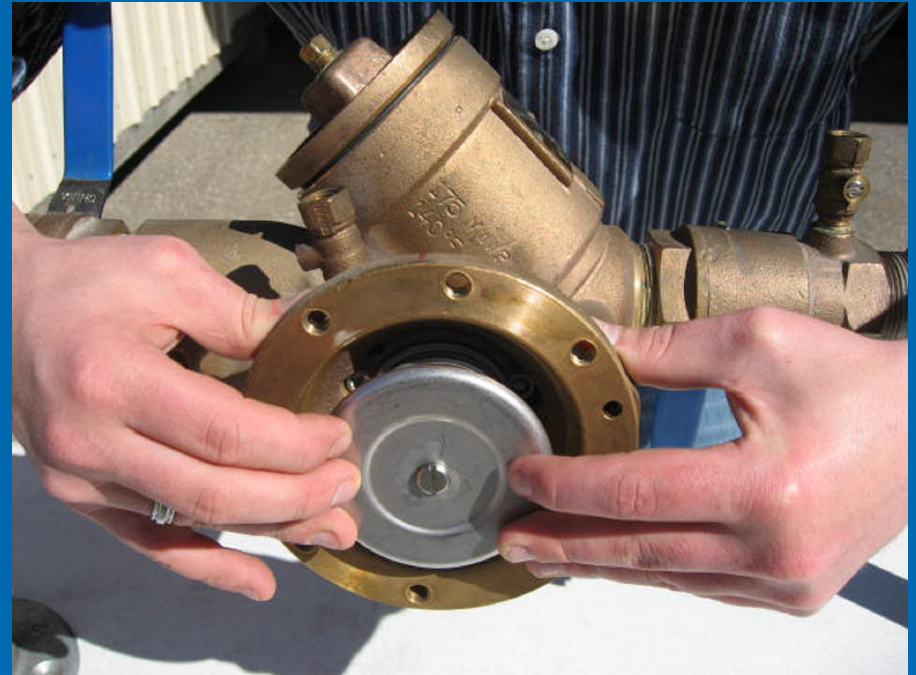
# Disassemble RV Module

- Push the main stem through the guide.
- Remove the main stem o-ring.



# *RV Reassembly Notes*

- Reassemble in reverse order.
- Lubricate the guide o-ring.
- Push the RV module straight into body.



# *RV Reassembly Notes*

- Make sure sensing port bushing is in place.
- Position the diaphragm on the cover and tighten bolts.

