

757DCDA, 757N DCDA (2 1/2"–10") 757A DCDA (2 1/2"– 6")

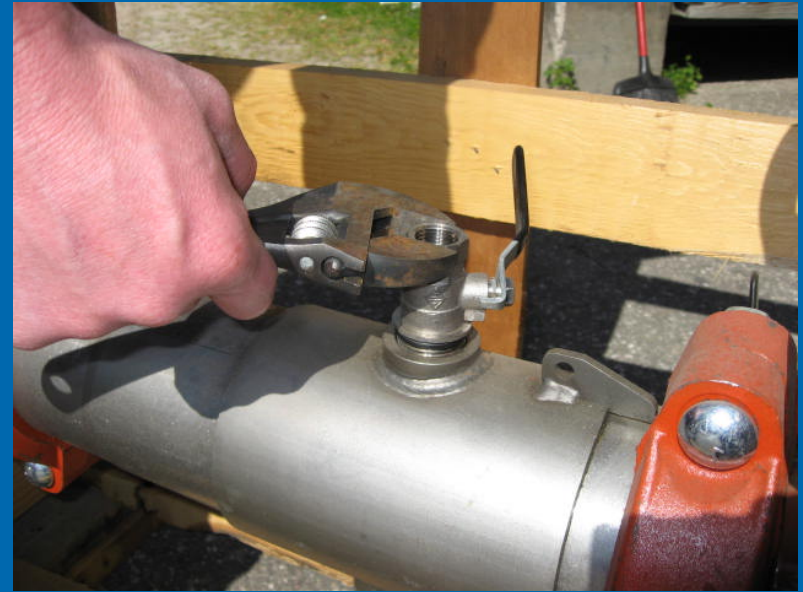


Modification Overview

- Production began in 2000 under the Hunter brand. In 2002 it was produced as the Watts 757 DCDA Series.
- (a) suffix after the model number indicates the original version that contains a bi-link check valve. Discontinued in 2008.
- The current version contains a tri-link check valve and the repair steps are the same for both check models.
- Currently uses $\frac{3}{4}$ " 007M3 bypass.

Check Cover Removal 2 1/2"-6"

- Cover slides back and is o-ring sealed.
- Remove test cock # 3 from the body.
- Insert a screwdriver through the hole on top of the cover sleeve.
- Using both hands, rotate the cover 1/4 turn clockwise and counter-clockwise to break o-ring seal.



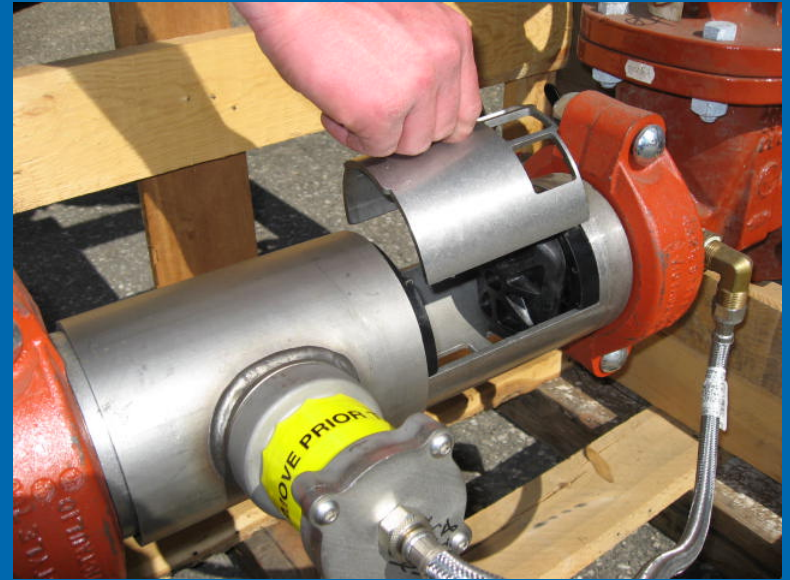
Check Cover Removal 21/2"-6"

- Slowly slide the cover sleeve to the downstream side of the housing.
- Once fully pulled back, turn the sleeve 90 degrees.



Check Valve Removal 2 1/2"-6"

- Check valve modules are o-ring sealed.
- Remove the check retainer.
- Remove check 1 first, then check 2.
- Using a flat blade screwdriver, gently pry the module out of the body.



Check Cover Removal 8"-10"

- For the 8-10" sizes, remove both Victaulic couplers.
- Remove test cock # 3 from the body.
- Slide the cover downstream.



Check Valve Removal 8"-10"

- Modules are o-ring sealed.
- Remove the 3 check retainers.
- Remove check 1 first, then check 2.
- Using a flat blade screwdriver, gently pry the module out of the body.



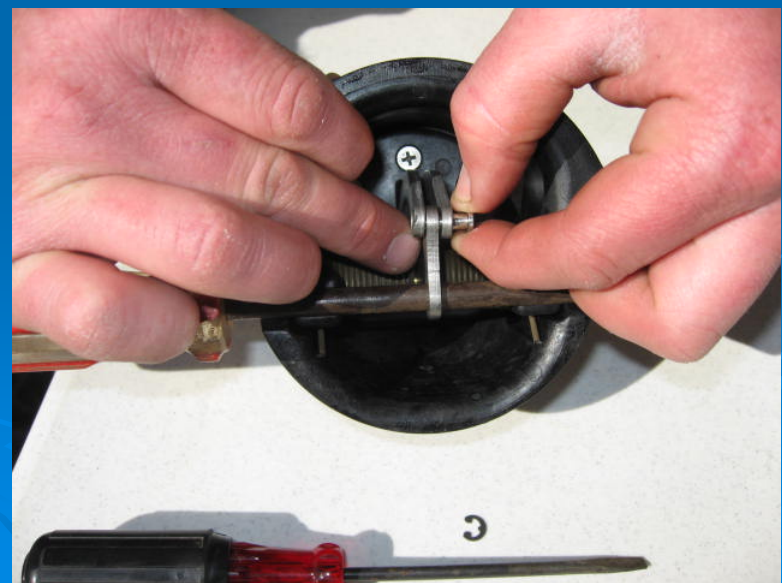
Check Seat Removal

- The check seat is part of the module.
- If seat is damaged, the entire module will have to be replaced.



Check Disc Replacement 2 1/2"-4"

- The check modules are spring loaded.
- Insert a screwdriver through the hole in the linkage and let it rest in the arbors on the module.
- Remove the "E"-clip and pin connecting the linkage.
- The clapper will open with no tension.



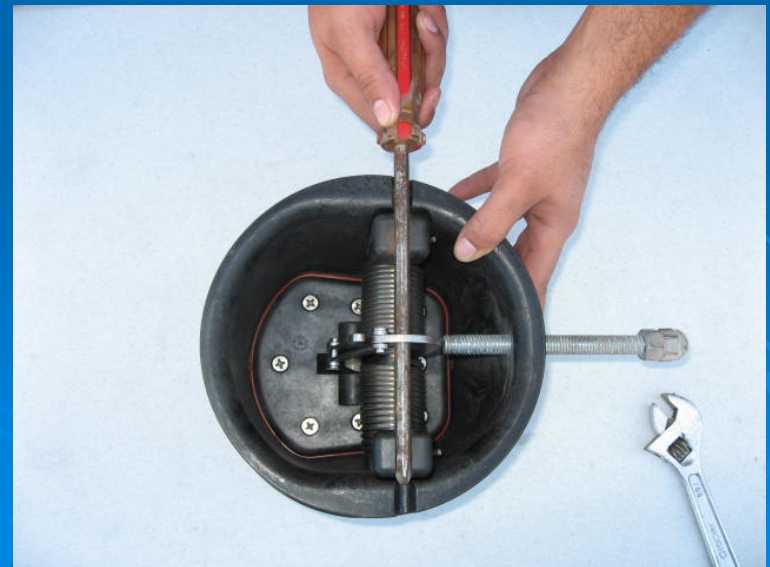
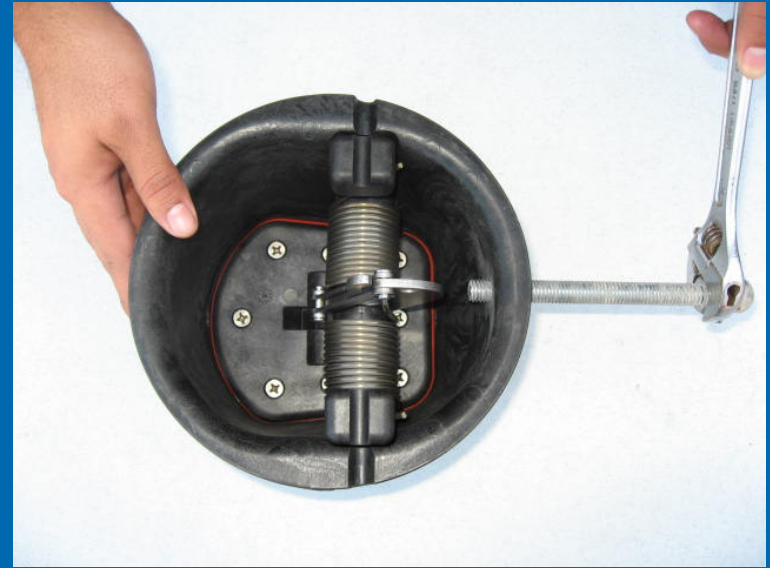
Check Disc Replacement 2 1/2"-4"

- Remove the screws on the disc retainer.
- Once disc is replaced, reassemble in reverse order.
- Do not remove the spring assembly.



Check Disc Replacement 6"-10"

- Locate the service hole on the side of the check module.
- Use a ½"-13 x 5 fully threaded bolt.
- Thread the bolt until the hole in the linkage is aligned with the notches in the spring arbors.
- Insert a long phillips screwdriver through the hole and arbors.



Check Disc Replacement 6"-10"

- Back the bolt out until the spring tension is transferred to the screwdriver.
- Remove retaining clip and pin from linkage.
- Spring assembly can be removed from the module.
- Remove screws from disc retainer.



Check Valve Reassembly Notes

- Reassemble check valves in reverse order.
- Apply lubricant to o-rings.
- Replace check 2 first, then check 1.