

009, LF009
2½"-3"



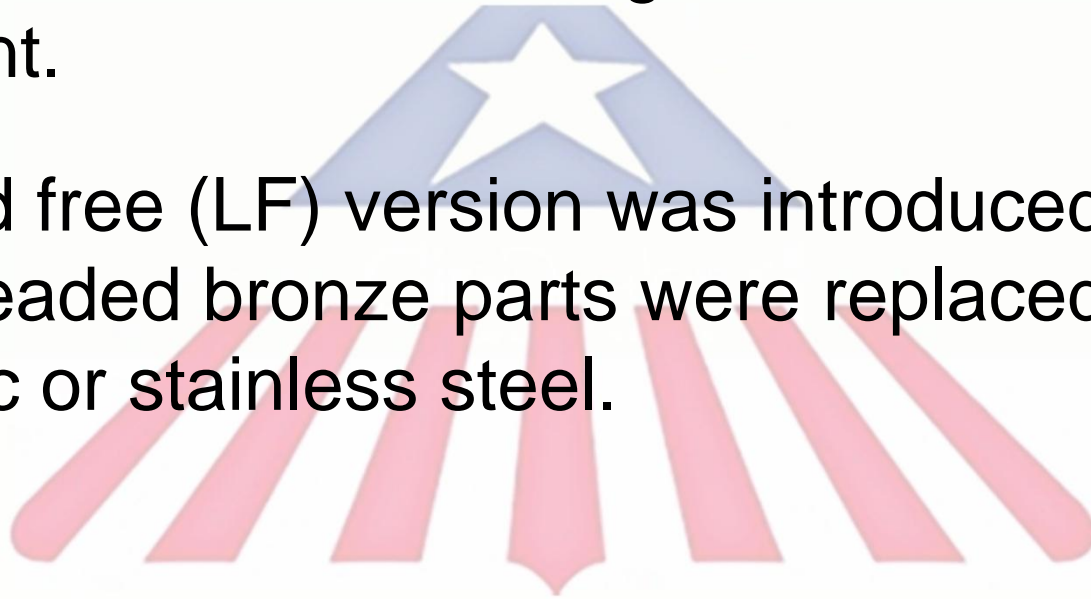
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Modification Overview

Production of the 009 began in 1989 and is current.

A lead free (LF) version was introduced in 2010. The leaded bronze parts were replaced with plastic or stainless steel.



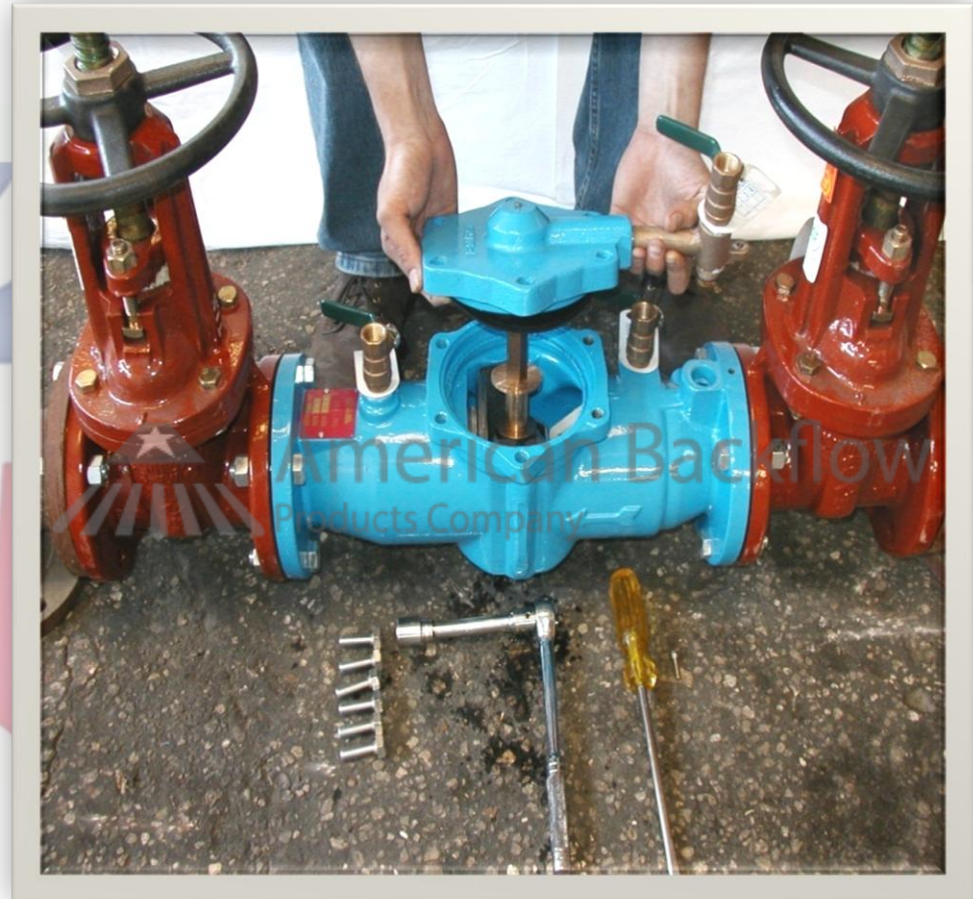
Single Access Cover Removal

Cover is o-ring sealed.

009 cover has spring load from the RV spring.

- * Remove bolts while holding cover down.
- * RV Stem may come out with cover.

Lift cover straight off.



Check Valve Removal

Check valve modules.

Modules sealed by o-ring and secured by a retainer.

Slide retainer straight out of body.

Modules can now be removed by hand or with a screwdriver flat.



Check Seat Removal

Check seats are part of each module.

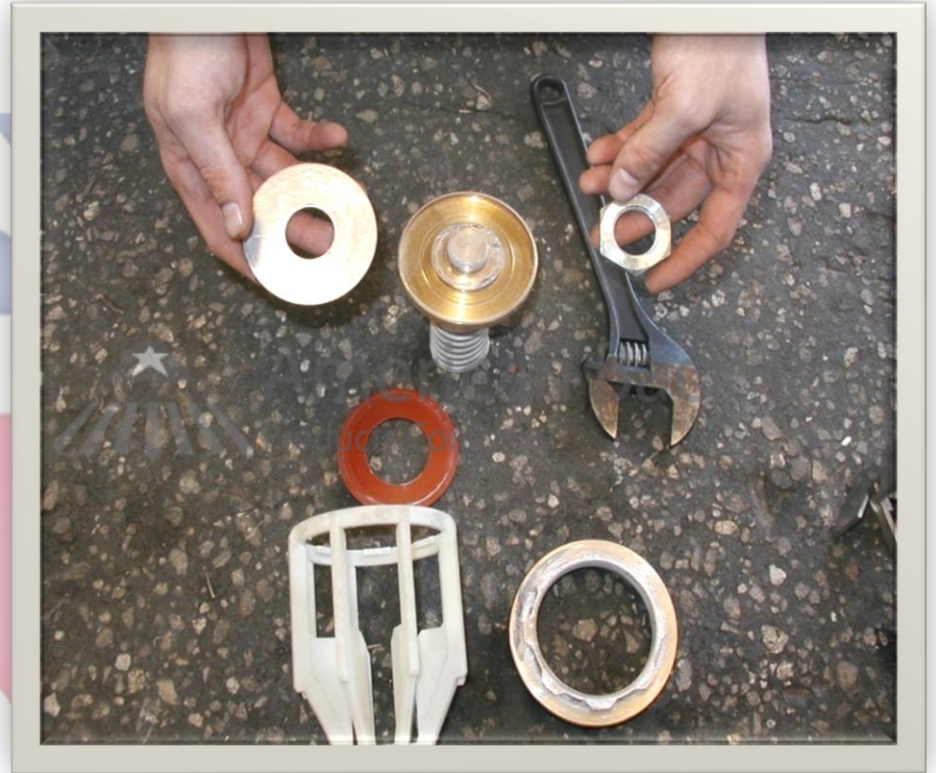
Check seats are attached to the cage with a bayonet type locking system.

- * Check spring is contained.
- * Hold the cage in one hand, push the seat inward and rotate counter-clockwise.



Check Disc Replacement

Remove retaining nut from disc holder and replace rubber.



Check Valve Reassembly Notes

Reassemble in reverse order.

Apply lubricant to o-rings.

If check retainer does not slide into place easily, make sure check valves are seated properly.



RV Stem Removal

The RV Stem and spring are situated between the check valves and are free once the single access cover is removed.



RV Seat Removal

Unless damaged, there is no need to remove RV seat.

The seat is pushed firmly into the body and is o-ring sealed.



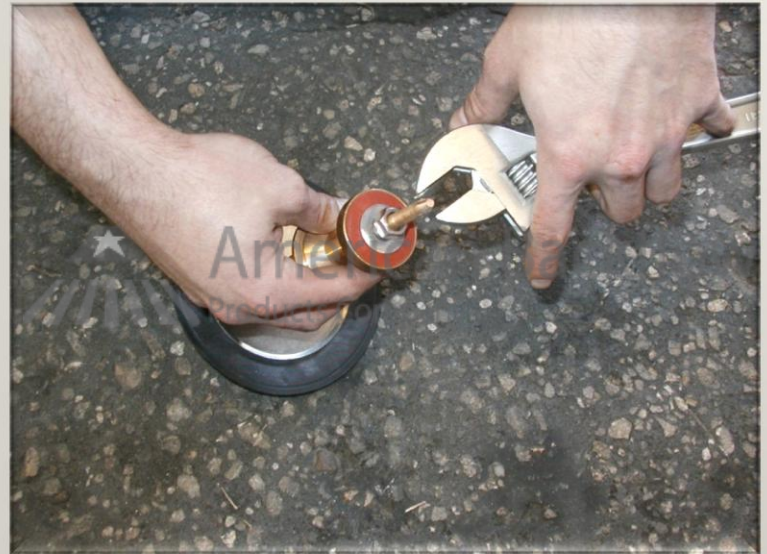
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RV Rubber Replacement

The RV molded disc is on the lower stem. Simply unscrew the nut from the guide.

* Replace the o-ring behind the disc.

The diaphragm is on the upper stem. Simply unscrew the stem cap from the stem.



RV Reassembly Notes

Center the spring on the seat and insert the cover and stem assembly as a unit straight into the body.

Make sure that the lower guide on the RV stem goes through the guide hole in the seat.

If the cover will not press flat against body, the stem is crooked and must be realigned.

