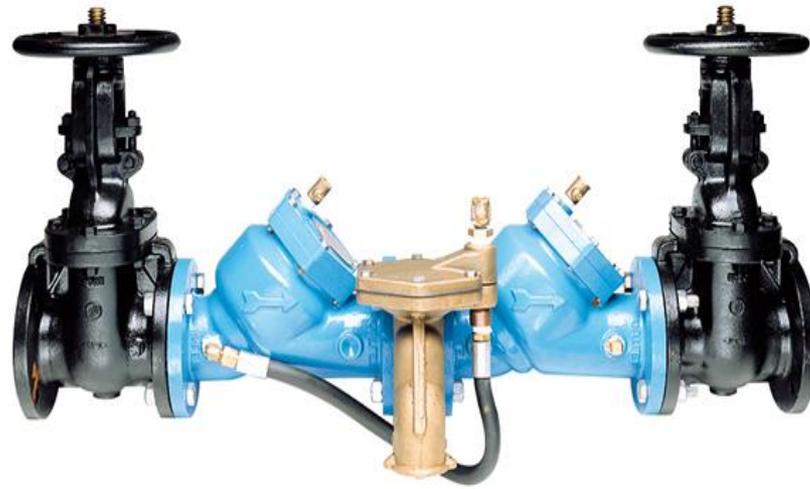


# 909, LF909 2 1/2" - 10"



**American Backflow**  
Products Company

**WATTS®**

# Modification Overview

Production began in 1979.

The 909M1 (1989) for the 8"-10" sizes only.  
Downsized the RV and changed the housing from bronze to cast iron epoxy coated.

Lead free (LF) version was introduced in 2010.

# Check Cover Removal

Cover is o-ring sealed.

Loosen bolts  $\frac{1}{2}$ ". Spring load is now released from the cover and retained by the check subassembly.

Verify spring load before removing all the bolts.



# Check Valve Removal

Center stem guided  
check assembly.

Disc & spring  
subassembly.

Slide subassembly  
straight out of seat  
and body.



# Check Seat Removal

\* 2 1/2-3" Seats removed by 1/4 turn twist.

4"-10" Seats secured by two retaining wires. Each wire 10" long.

Pull one wire clockwise / one wire counter clockwise.

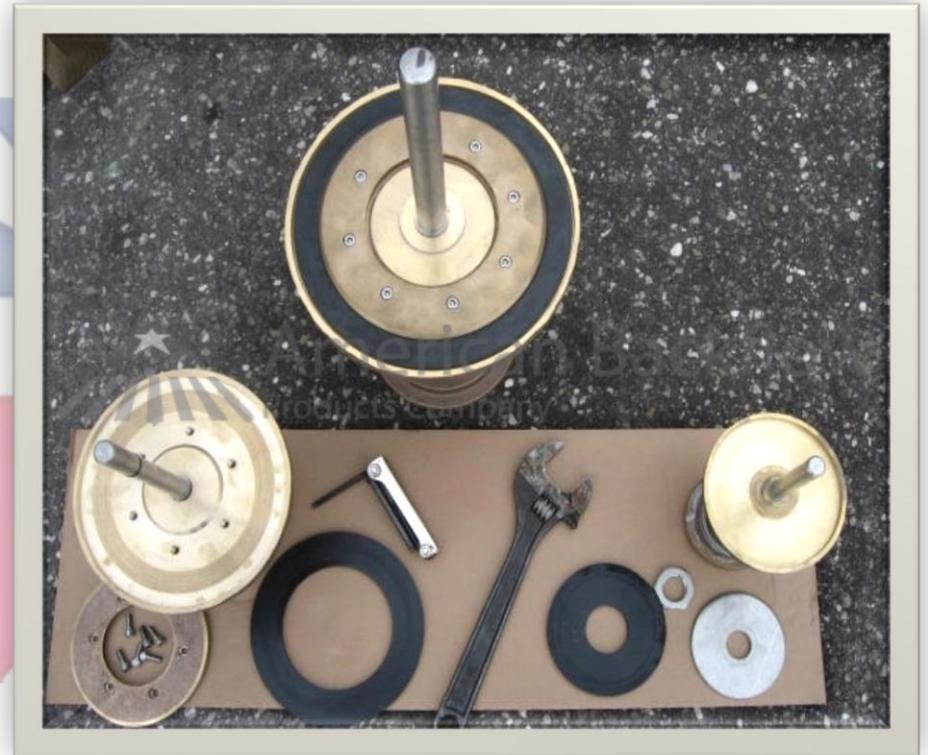
Seats are o-ring sealed and pull straight out of body.



# Check Disc Replacement

Remove retaining nut  
for sizes 2 1/2"-4".

Remove allen head  
screws in retainer  
plate for sizes 6"-10".



# RV Cover Removal

RV Cover is sealed by the diaphragm.

Loosen cover bolts  $\frac{1}{2}$ ".  
Spring load is now released from the cover and retained by the bottom plug assembly.

Verify spring load before removing all the bolts.



# RV Stem Removal

The piston subassembly can be lifted straight up and out of the body.

The bottom plug subassembly (4"-10") contains the spring and does not need to be removed for normal service.

\* For removal: simply unscrew from outside the RV body.



# RV Seat Removal

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

RV seat is threaded  
and o-ring sealed.



# RV Rubber Replacement

Replace diaphragm.

Replace wiper seal and piston o-ring. Apply lubricant to the o-ring.

Replace RV disc.

\* Hold upper guide fin and unscrew pressure plate. Replace disc assembly and stem o-ring.

