

DC-500

1/2" - 2"



American Backflow
Products Company



A.R.I.

Modification Overview

Production of the DC500 began in 2007 and is current.



Single Access Cover Removal

The cover has no spring load and is o-ring sealed (quad ring).



Check Valve Removal

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

Slide retainer straight out of the body.

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



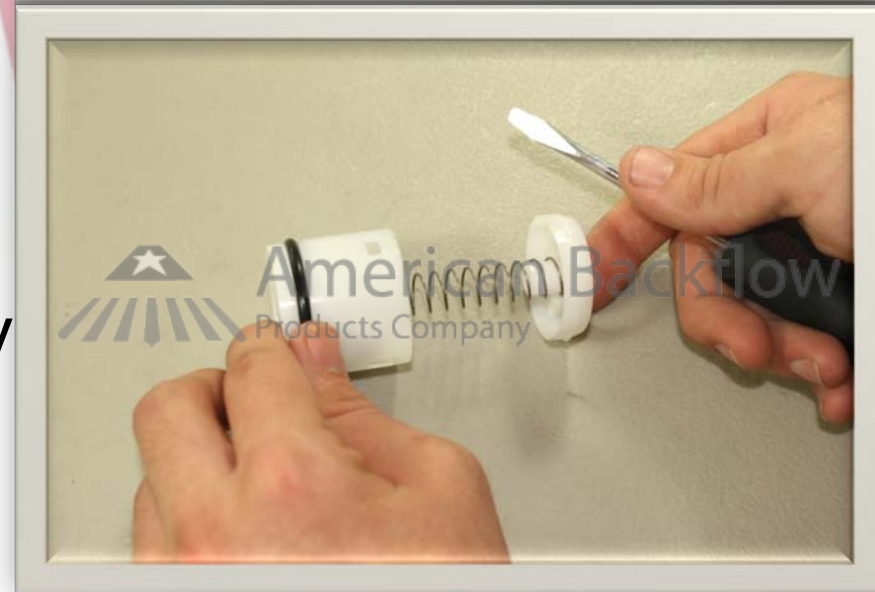
Disassemble Check Module ½” - 1”

Module is spring loaded.

Locate the 3 tabs on the side of the check module.

Use small flat head screwdriver to press each tab toward the outlet of the check module.

Hold spring retainer securely during disassembly.



Disassemble Check Module 1 ¼" - 2"

Module is spring loaded.

Grasp the check with both hands and turn the spring retainer counter-clockwise.

The seat, spring and disc assembly are free once the spring retainer has been removed.



Check Seat Replacement

The seat is a part of the check module.

If the seat has been damaged, the module must be replaced.



Check Disc Replacement

1/2" - 1"

Pry the check disc from
the disc retainer.

1 1/4" - 2"

Remove the screw from
the disc retainer.



Check Valve Reassembly Notes

Reassemble check modules in reverse order.

$\frac{1}{2}$ " - 1" modules make sure the tabs line up with slots when pressing together.

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



Check Valve Reassembly Notes

Reassemble in reverse order.

Apply lubricant to o-rings.

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



Reassembly Notes

The seal ring for the cover (quad ring) must line up with the ridge of the body and cover.

Make sure sensing line o-ring is in place.



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