

# 4D-200, 4D-700

## 2 1/2" - 10"



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# Modification Overview

Production began in 2003 and was discontinued in 2009.

The 4D-700 (RPDA) uses a Type-II bypass (single check).

# Check Cover Removal

Check cover is secured with a grooved coupling.

Cover has no spring load.



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# Check Valve Removal

Check valve modules.

Checks are bolted into the body and o-ring sealed.

Either check can be removed without disturbing the other.



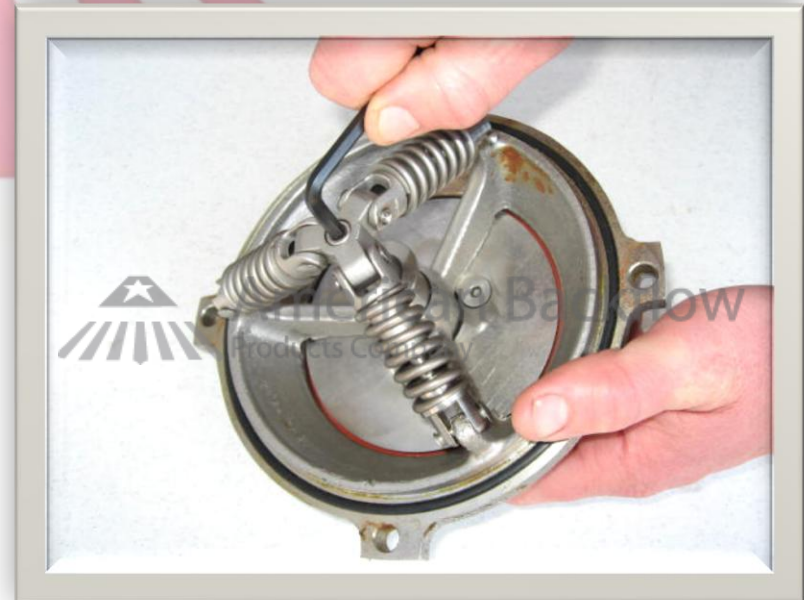


# Disassemble Check Module

Do not remove the large nut and lock washer on the retaining plate.

Remove the socket head cap screw that holds the spring hub assembly.

This will release the spring load.



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# Disassemble Check Module

The disc holder will slide away from the front of the module.

The spring hub assembly is now free.



# Check Seat Removal

The check seat is a machined part of the seat assembly.

To replace the seat, you must replace the seat assembly.



# Check Disc Replacement

Remove the three allen screws from the disc retainer.

The check disc is now free.





# Check Valve Reassembly Notes

Reassemble check module in reverse order.

Make certain the module o-ring is in place and lubricated.

Tighten the hex nuts firmly and evenly.



# RV Cover Removal

Disconnect sensing hose.

RV cover is sealed by the diaphragm.

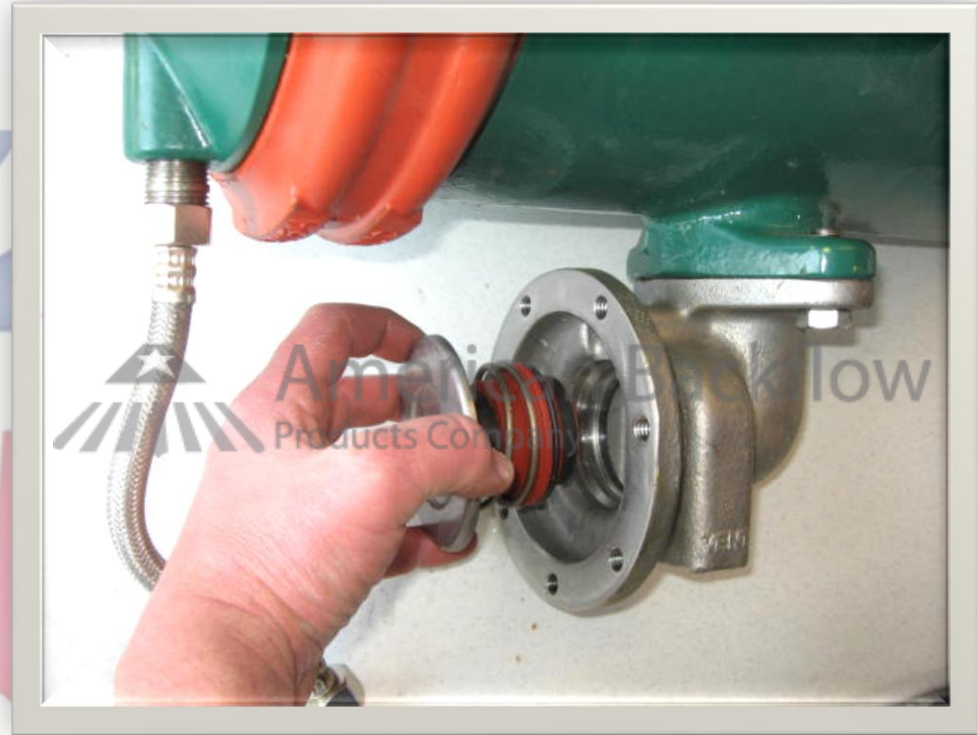
No spring load on cover.

Remove outer diaphragm.



# RV Module Removal

Module is o-ring sealed.  
Grasp the diaphragm  
plate and pull the  
module straight out of  
housing.



# RV Seat Removal

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

RV seat is threaded  
and o-ring sealed.





# RV Disc Replacement

Holding the module firmly, remove the screw and retaining washer.

Remove the seat disc.



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# Disassemble RV Module

Module is spring loaded.

Holding the diaphragm plate firmly, remove the screw.



# Disassemble RV Module

Remove the bushing from the stem.

Remove the stem o-ring.



# RV Reassembly Notes

Replace and lubricate o-rings.

Reassemble in reverse order.

Push RV module straight into housing.

