

RPDA4A (LF)

2½" - 6"



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Modification Overview

Production of the RPDA 4A series began in 2008.

The RPDA 4A can utilize either a Type I or Type II bypass.

A lead free version (4ALF) was introduced in 2011.

Check Cover Removal

Cover is secured by a V-band clamp and o-ring sealed.

To remove clamp, loosen lock nut until the latch can be disengaged from the T-bolt.

Cover has no spring load.

A flat screwdriver will help pry the lid from the body.



Check Valve Removal

Check valve modules are secured by retainers and o-ring sealed.

#1 check must be removed before the #2 can be removed.



Check Valve Removal

Remove the retaining clip by pinching the clip ears together.

Remove the clip and retaining ring.

Pull the module straight out of the body.



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Check Disc Replacement

Remove the lock nuts and the retaining plate on the back of the module.

Do not remove any hardware from the spring side of the module.

Separate the disc retainer from the module.



Check Seat Removal

The check seat is part of the check module and can not be removed.

If the seat is damaged, the complete check module will need to be replaced.



Check Valve Reassembly Notes

Reassemble check modules in reverse order.

Do not over tighten the lock nuts.



Check Valve Reassembly Notes

The retaining ring is installed against the check.

Install the retaining clip by inserting one end into the body groove first. Then pinch the ears together as you insert the rest of the clip.

The clip will snap into place when it is fully seated.



RV Cover Removal

Cover is secured by a V-band clamp and sealed by the diaphragm.

Remove sensing line.

To remove clamp, loosen lock nut until the latch can be disengaged from the T-bolt.

Pull cover from body.



RV Stem Removal

Remove the RV module by grasping the diaphragm plate and pulling straight out of the body.



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RV Seat Removal

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

Simply pull the seat straight out of the body.



RV Disc Replacement

Holding the module in one hand, remove the bolt and washer.

Remove the seat disc.



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Disassemble RV Module

Module is spring loaded.

Holding the diaphragm plate firmly, remove the retaining bolt.



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 module straight into body.

Make sure the outer edge (bead) of the diaphragm fits into the groove on RV body.

