



BYPASS SERVICE INSTRUCTIONS

Contact Technical Support:

- For questions, concerns, or further assistance during the installation, please contact our customer support for technical assistance.

Radflo Suspension Technology

10840 Talbert Ave, Fountain Valley, CA 92708

714 965 7828

SHOCK DISASSEMBLY:

CLAMP END CAP IN A VISE (UPSIDE DOWN)

DO NOT CLAMP ANY COMPONENTS (SHAFT, BODY, PISTON, ETC.) IN THE VISE

LOOSEN SET SCREW IN SEAL CAP RING:

Use an allen key to loosen and remove the set screw locking the seal cap ring.

LOOSEN SEAL CAP RING:

Use RST Seal Cap Ring Tool or Pin Spanner Wrench

DISCHARGE SHOCK:

Remove the Schrader Valve Cap

Press down on the Schrader Valve

PUSH DOWN ON THE SEAL CAP:

Push Down 2 Inches

Expose Seal Cap Snap Ring

REMOVE SEAL CAP SNAP RING:

Using a soft pick, remove the snap ring

Take extra care not to scratch the inside of the housing, this can cause premature shock failure

PULL ENTIRE SHAFT ASSEMBLY OUT:

Remove shaft with rod end, seal cap, and piston

Set aside

REMOVE SCHRADER VALVE RESERVOIR CAP:

Ensure the shock is discharged

Push down on Reservoir Cap (Black) 1 inch

Using a soft pick, remove the snap ring

Take extra care not to scratch the inside of the housing, this can cause premature shock failure

PUSH THE FLOATING PISTON TO THE BOTTOM OF THE RESERVOIR:

Push all the oil from the reservoir into the main body

REMOVE SHOCK OIL:

Remove the shock body from the vise and pour out the oil

Set aside and save for reassembly

Ensure all oil is out of the shock

Place end cap back in vise (upside down)

REMOVE ADJUSTER VALVES (BLUE/RED):

Use a wrench to remove the bypass adjuster valves

Ensure the order of parts is maintained (Valve, spring, piston)

REPLACE ADJUSTER SCREW:

Replace Rebound Adjuster Screw

SHOCK REASSEMBLY

RE-INSTALL REBOUND ADJUSTER VALVE (RED):

Ensure the order of parts is maintained (Valve, spring, piston)

FILL SHOCK BODY WITH OIL

Fill until the oil starts to come up the Compression Adjuster Tube
The oil level should be 0.5-1" below the threads in the adjuster tube

RE-INSTALL COMPRESSION ADJUSTER VALVE (BLUE):

Ensure the order of parts is maintained (Valve, spring, piston)
Ensure the oil level is high enough so no air is pushed in by the seal. Overfill to be safe

CYCLE FLOATING PISTON

Push and pull the floating piston up and down in the reservoir to pull air out and push oil in
Ensure the oil level in the shock body does not go below the top of the reservoir and bypass holes.
Add and reduce oil as you cycle the floating piston to ensure proper level without spillage.
Ensure there are no bubbles visible before moving to the next step.

OPEN BOTH ADJUSTER VALVES ALL THE WAY

Use an Allen key to turn Counterclockwise until it stops

INSERT SHAFT ASSEMBLY AND CYCLE

RE-INSTALL SEAL CAP RING ONTO SEAL CAP
PUSH SEAL CAP ALL THE WAY TO ROD END
ENSURE OIL LEVEL DOES NOT GO BELOW RESERVOIR OR BYPASS HOLES
ADD OR REMOVE OIL AS NEEDED WHEN CYCLING THE SHAFT
Push the shaft down hard and pull it up slowly several times.
DO NOT PULL UP TOO HARD, it will cause air bubbles to enter the oil.
The goal is to push oil into the bypass adjusters and force the air out
Continue until a large majority of the bubbles have gone away.

CLOSE BOTH ADJUSTER VALVES ALL THE WAY

Use an Allen key to turn Clockwise until it stops

CYCLE THE SHAFT

ENSURE OIL LEVEL DOES NOT GO BELOW RESERVOIR OR BYPASS HOLES
ADD OR REMOVE OIL AS NEEDED WHEN CYCLING THE SHAFT
Push the shaft down hard and pull it up slowly several times.
Use a hammer and hammer down on the rod end to push bubbles out from under the shims.
DO NOT PULL UP TOO HARD, it will cause air bubbles to enter the oil.
The goal is to push oil through the piston and force the air from under the shims
Continue until all of the bubbles have gone away.

PULL THE SHAFT UP, UNTIL ALUMINUM SPACER IS LEVEL WITH BASE OF SHOCK BODY

ENSURE OIL LEVEL DOES NOT GO BELOW RESERVOIR OR BYPASS HOLES
ENSURE PISTON STAYS COMPLETELEY SUBMERGED IN OIL

FILL WITH OIL UNTIL ¼" or 6.35mm FROM BASE OF SHOCK BODY

KEEP SHAFT/PISTON WHERE IT IS AND SLIDE SEAL CAP DOWN UNTIL IT TOUCHES THE SPACER

Use One hand to hold the rod end, and the other to slide the seal cap
DO NOT MOVE THE PISTON

PUSH ENTIRE SEAL CAP SHAFT ASSEMBLY INTO THE SHOCK BODY SLOWLY UNTIL SOME OIL COMES OUT BETWEEN THE SEAL CAP AND SHOCK BODY

Some oil coming out here is good, it pushes the remaining air out.

This may happen right before the outer seal on the seal cap touches the shock body as it gets pushed down

PUSH ENTIRE SHAFT ASSEMBLY INTO THE SHOCK BODY UNTIL THE SEAL CAP IS ENTIRELY PAST THE SNAP RING GROOVE

RE-INSTALL THE SNAP RING

Wipe down or blow out and excess oil above the seal cap to avoid seeping.

ENSURE THE SNAP RING IS PROPERLY SEATER

PULL UP ON ROD END TO SEAT SEAL CAP AGAINST SNAP RING

CHARGE THE SHOCK

200-250 PSI

WIPE DOWN TO AVOID ANY SEEPING

TIGHTEN SEAL CAP RING

Use RST Seal Cap Ring Tool or Pin Spanner Wrench

RE-INSTALL SET SCREW

Use an Allen Key to lock seal cap ring with set screw