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**PLEASE NOTE - RADFLO SUSPENSION TECHNOLOGY RECOMMENDS THAT ALL PRODUCTS ARE INSTALLED AND SERVICED BY TRAINED PROFESSIONALS.**

### **IFP SHOCK SERVICE**

- Secure shock end cap in vice with the shaft facing up.
- Remove button head screw from charge port and fully discharge shock.
- Remove set screw from seal cap ring and loosen seal cap ring with a spanner wrench.
- Use seal cap ring to depress seal body into shock housing exposing snap ring and remove snap ring with a pick.
- Remove the shaft assembly from the shock housing. Use caution as oil may spread.
- Empty used oil from housing.
- Place housing in vice via end cap and remove the charge port with a 9/16" socket wrench.
- Use a low PSI blast of air into the empty port to eject the internal floating piston into a bucket of rags or other suitable catch.
- Clamp shaft assembly firmly in vice via the rod end.
- Loosen the top nut with a 3/4" wrench and remove the components from the shaft in the following order:

1. Top Nut
2. Top washers
3. Rebound valve stack
4. Piston
5. Compression valve stack
6. Top out washer
7. Disc springs
8. Aluminum spacer
9. Seal body and ring
10. Shaft bump

**\* Take care to note orientation of all shaft components \***

- Remove/ inspect/replace all seals taking care not to damage the seats.
- Inspect shaft and shock housing for damage.
- Clean inside of housing.
- Installation of shaft components is the reverse of removal.
- Re-install seal body using assembly grease or shock oil to lubricate all seals. Use a shaft bullet to slide seal head on to shaft smoothly.  
**\*If no bullet is available, gently maneuver seal head on to end of shaft using proper lubrication taking care not to damage seals.**
- Following the seal head, re-install aluminum spacer, disc springs (ensure the concave sides face each other), top out washer, compression valving, piston (large ports facing up), rebound valving, top washers and top nut.  
**\*Torque top nut to 50lbs/ft.**
- Re-install floating piston o-ring first using adequate lubrication. Wear band will have a small gap.
- To set floating piston depth, slide seal head to shaft bump and use the top nut side to tap the IFP down.
- **\*Proper depth is reached when the outer seal on the seal head is almost in contact with end of housing.**
- After floating piston is set secure end cap in vice and install charge port.
- Fill housing roughly half way with shock oil.

- With the seal head still at end of shaft, insert valving assembly into housing with the wear band on the piston. Once submerged, stroke the shaft assembly to bleed air out.
- After air is bled, slowly depress the shaft to displace oil upwards. Some oil may need to be added or removed so that when the seal head reaches the end of the housing, oil begins to bleed off.
- Bleed oil until the outer seal ring reaches end of housing.
- Depress seal head into shock.
- Firmly grasp seal ring and pull shaft out roughly 1 1/2" so the seal ring can be loosened and the seal head can be depressed into housing to expose the snap ring groove.
- Re-install snap ring and pull up on shaft to seat the seal head.
- Firmly tighten seal ring and install set screw.
- Fully charge shock – pressure **MUST** be set to 250 PSI **AFTER** full shaft extension.
- Re-install button head screw and washer into charge port.

**For technical support please contact Radflo Suspension Technology directly at (714) 965-7828 Monday - Friday 8:00 am - 5:00 pm Pacific Time. Thank you for your purchase of Radflo Suspension Technology products.**