

APPROVED



For exploded diagram and part number information, refer to the Spare Parts Catalog available on our website at www.rockshox.com.

Contact your local distributor or visit the RockShox website at www.rockshox.com for ordering information.

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For the latest technical information, visit our website at www.rockshox.com.

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TOOLS NEEDED

- 2.5 and 5 mm Hex Wrench
- Oil Pan
- Torque Wrench
- Plastic Face Millet
- 24 mm 6-point Socket
- Small Blade Screwdriver
- Snap ring pliers
- 12" long cylindrical rod (plastic or wood)
- RockShox 5 wt. Oil
- RockShox RedRum
- Safety Glasses

After every 50 hours of riding or less depending on riding conditions and riding style, the following service should be performed. This service should be performed by a qualified mechanic, using proper tools.

NOTE: SERVICE ON YOUR FORK MAY BE PERFORMED WHILE STILL INSTALLED ON YOUR BICYCLE. USE THE EXPLODED VIEWS AVAILABLE IN THE SPARE PARTS CATALOG TO IDENTIFY AND REFERENCE PARTS.

FOR INFORMATION REGARDING PURE SYSTEM SERVICE, REFER TO THE PURE SYSTEM SERVICE GUIDE ON OUR WEBSITE AT WWW.ROCKSHOX.COM.

REMOVE LOWER TUBE ASSEMBLY

1. Use a 2.5mm hex wrench to remove the screw on top of the U-Turn adjuster knob. Slowly remove the U-Turn adjuster knob.

NOTE: TAKE CARE NOT TO LOSE DETENT BALLS (3). THE DETENT BALLS ARE SPRING LOADED!

2. Using a magnet, remove detent balls and springs from the top cap. Note orientation of detent balls and springs within the top cap, they must be reinstalled in the same orientation.



NOTE: SERVICE DEPICTED AND DESCRIBED IN THIS GUIDE IS FOR HYDRACOIL AND HC2 FORKS. THE SAME PROCEDURE FOR LOWER LEG REMOVAL STILL APPLIES TO PURE SYSTEM FORKS.

- Psylo XC/SL: Gently pull downward to remove the external rebound adjuster knob from the right shaft bolt.

TIP: RIGHT AND LEFT SIDE IS DETERMINED FROM THE RIDER'S PERSPECTIVE.

- With a 5 mm hex wrench, loosen the shaft bolts five turns and firmly tap them with a plastic faced mallet to separate the shafts from the lower tubes.

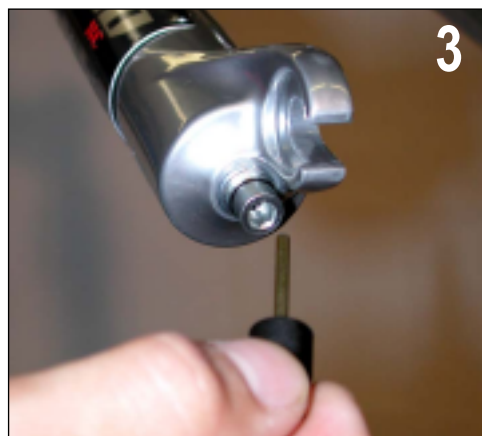
TIP: TAPPING THE BOLTS RELEASES THE PRESS-FIT BETWEEN THE LOWER LEGS AND THE SHAFTS.

- Keep an oil pan below the fork to catch the oil. Inspect the condition of removed oil. If the oil is opaque and/or milky (water contamination), the lower tube assembly should be cleaned.
- Remove shaft bolts completely.

- Carefully slide the lower tube assembly off of the upper tubes. Use the oil pan to catch the excess oil.

NOTE: CYCLE THE DAMPER SHAFT (RIGHT SIDE) UP AND DOWN TO ENSURE ALL OIL IS REMOVED.

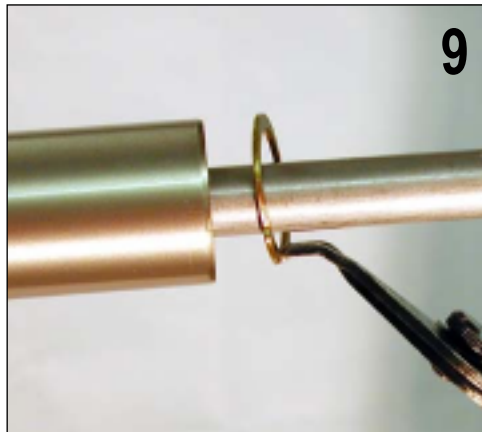
- Apply biodegradable solvent (Simple Green, Pedros, or isopropyl alcohol) to a clean rag and wrap a rag around a long cylindrical rod or screwdriver to clean the lower tube internals. Dry thoroughly.



REMOVE DAMPER ASSEMBLY (RIGHT SIDE)

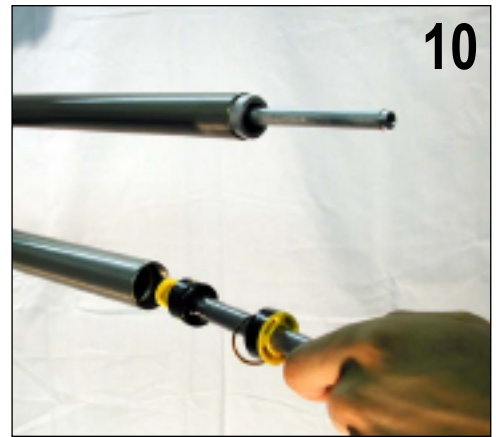
Steps 9 and 10 apply to Duke C/XC and Psylo C/XC only. Use the Pure System Service Guide to remove the assemblies on the Pure side of the Psylo SL.

- Using snap ring pliers, remove the snap ring from the right upper tube (damper side).



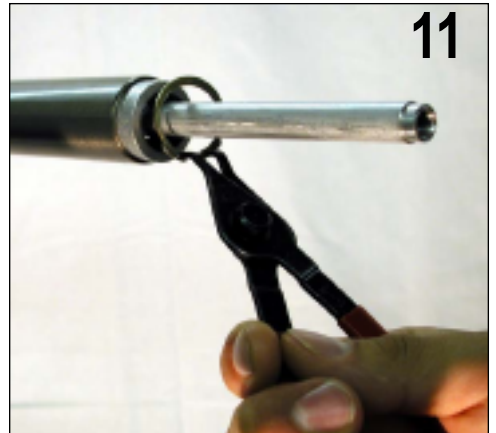
10. Remove the damper assembly from the right upper tube and inspect the o-ring for wear or damage. Replace each as necessary (See Spare Parts Catalog for part #'s and descriptions).

NOTE: DAMPER BASE VALVE ASSEMBLY APPEARANCE WILL VARY BASED ON MODEL YEAR.

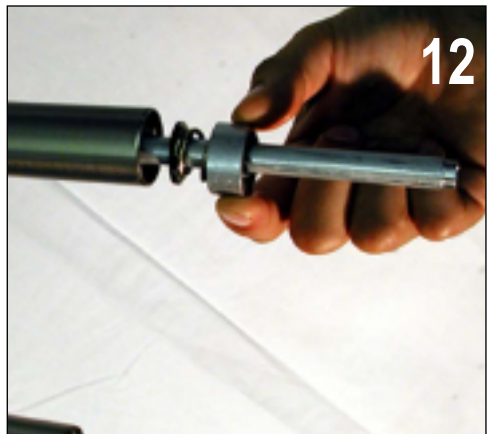


REMOVE THE U-TURN SPRING ASSEMBLY (LEFT SIDE)

11. Remove the snap ring from the bottom of the left upper tube using snap ring pliers.



12. Carefully remove the base plate assembly from the U-Turn plunger shaft. Replace the assembly as necessary.



13. With a 24 mm socket, remove the top caps. **For Pure models:** See the **Pure System Service Guide** for removal of the Climb-it Control adjuster knob and top cap assembly.



14. Pull up and out to remove the U-Turn spring assembly. Clean and reapply Judy Butter to the spring and spring isolator. Inspect top cap o-ring. To change springs to a softer or firmer rate, or replace the U-Turn spring assembly, use the following kits:

PSYLO

Weight and U-Turn Travel
80 - 125mm

| Weight and U-Turn Travel | Spring Color | Spring Assembly Part# |
|---------------------------|--------------|-----------------------|
| <140 lbs (63 kg) | Yellow | 11.4306.270.001 |
| 140-160 lbs (63 to 70 kg) | Red | 11.4306.270.002 |
| 160-180 lbs (70-80 kg) | Blue | 11.4306.270.003 |
| >180 lbs (80 kg) | Black | 11.4306.270.004 |

DUKE

Weight and U-Turn Travel
63 - 108mm

| Weight and U-Turn Travel | Spring Color | Spring Assembly Part# |
|---------------------------|--------------|-----------------------|
| <140 lbs (63 kg) | Yellow | 11.4307.371.001 |
| 140-160 lbs (63 to 70 kg) | Red | 11.4307.371.002 |
| 160-180 lbs (70-80 kg) | Blue | 11.4307.371.003 |
| >180 lbs (80 kg) | Black | 11.4307.371.004 |



CLEAN THE UPPER TUBES

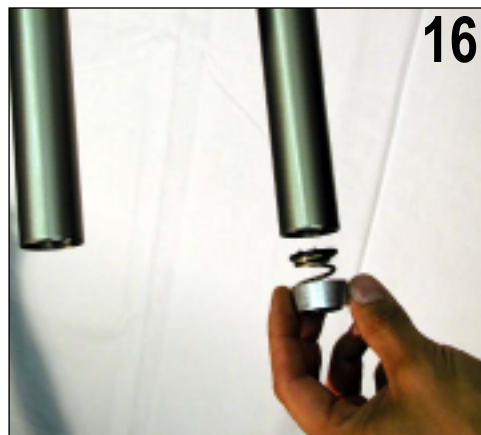
15. Apply biodegradable solvent (Simple Green, Pedros or isopropyl alcohol) to a clean rag, wrap rag around a long cylindrical rod or screwdriver and clean the upper tube internals. Dry thoroughly.



NOTE: USE CARE NOT TO SCRATCH THE INNER SURFACE OF THE TUBES.

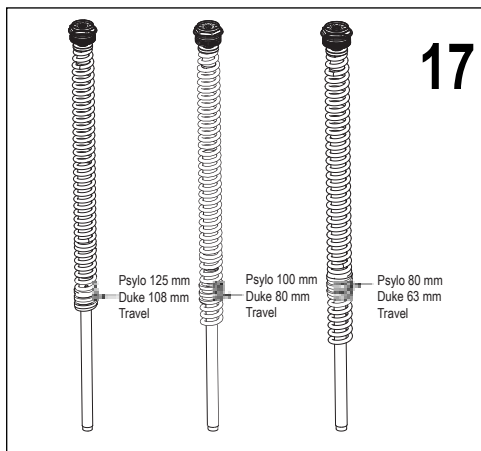
16. Install the base plate assembly w/snap ring into the bottom of the left upper tube.

TIP: ENSURE THAT THE ISOLATOR IS CENTERED ON THE COIL.



INSTALL THE U-TURN SPRING AND DAMPER ASSEMBLIES

17. Ensure the U-turn spring assembly rod is fully extended to 125 mm and install the assembly through the top of the left upper tube.



18. Press firmly and hand thread the U-Turn top cap 1.5-2 turns to start threads and prevent stripping the top cap. With a 24 mm socket torque the U-turn top cap to 40 in-lb.
19. Install the damper assembly into the right upper tube and insert the snap ring.
20. Install springs and detent balls into the U-Turn top cap. Be sure to install them in the same orientation that they were removed (see step 2 photo).
21. Using a 2.5 mm hex wrench, install the U-Turn adjuster knob and screw. Torque the screw to 12 in-lb.

NOTE: DO NOT USE LOCTITE ON THE SCREW, IT WILL DAMAGE THE PLASTIC U-TURN ADJUSTER KNOB



INSTALL THE LOWER TUBE ASSEMBLY

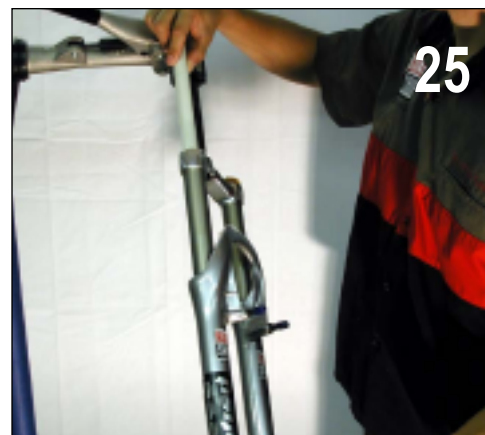
22. Carefully slide the lower leg assembly onto the upper tube assembly. Stop when you feel/hear the lower bushing engage the upper tube. This will allow room to pour oil into the lower leg bolt hole.

TIP: CHECK YOUR DUST SEALS TO ENSURE PROPER FIT AROUND THE UPPER TUBES.

23. Invert the fork, and add 30cc of RockShox 5wt oil into the bottom of the left lower leg (U-Turn side), through the bolt hole.

TIP: THE U-TURN SHAFT SHOULD NOT BE SET IN THE LOWER LEG CASTING YET. THIS WILL ALLOW CLEARANCE FOR THE OIL TO FILL THE LEG.

24. Inspect the nylon crush washers for wear or damage. Replace if necessary. Install U-Turn shaft bolt and torque to 60 in-lb.
 25. Turn the fork right-side up. Insert a long plastic or wooden rod through the top of the right upper tube and lightly seat the damper into the casting. This will enable you to thread the shaft bolt into the damper.
 26. Insert the rebound adjuster knob into the damper and turn rebound valve to the full clockwise position BEFORE installing the shaft bolt.
- IMPORTANT!: THIS PREVENTS DAMAGE TO THE PLASTIC REBOUND ASSEMBLY IN THE SHAFT. REMOVE THE REBOUND ADJUSTER KNOB.**
27. Install the hollow (solid bolt on C models) shaft bolt into damper shaft and torque to 60 in-lb. Insert the rebound adjuster knob through the hollow shaft bolt and press firmly to seat.



28. **Psylo C and XC:** Pour 140cc of RockShox 5 wt. oil into the top of the right upper tube (through the top cap hole).

Pure: See the Pure System Service Guide for the appropriate refill fluid level for the right side.

Duke C and XC: 135cc of RockShox 5 wt. oil into the top of the right upper (through the top cap hole/upper tube).

29. Using a 24mm socket, install the top cap on the damper side (right). Torque to 40 in-lb.

Pure Forks: See the Pure System Service Guide for installation of the Climb-It control adjuster knob and top cap assembly.

