



For exploded diagram and part number information, refer to the Spare Parts Catalog available on our website at [www.rockshox.com](http://www.rockshox.com).

Contact your local distributor or visit the RockShox website at [www.rockshox.com](http://www.rockshox.com) for ordering information.

Information contained in this publication is subject to change at anytime without prior notice.  
For the latest technical information, visit our website at [www.rockshox.com](http://www.rockshox.com).  
Names used in this manual may be trademarks or registered trademarks of others.

## TOOLS NEEDED

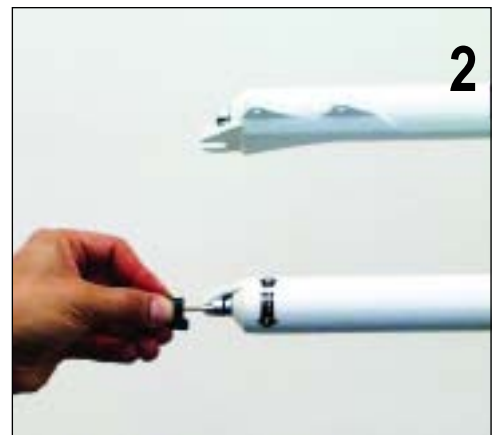
- Safety Goggles
- 24mm 6-point Socket
- Plastic Faced Mallet
- Biodegradable Solvent
- RockShox 5 wt. Oil
- Shock Pump
- 5mm Hex Wrench
- 12" long, 1 1/4" diameter soft bristle bottle brush
- Long cylindrical rod
- Torque Wrench

After every 100 hours of riding, or less depending on riding conditions and riding style, the following service should be performed.

## REMOVE SPRING STACK

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

1. Remove the air cap from the left side of the fork (fig. 1). Depress the schrader valve and remove the air from the Air Assist chamber.
2. **Pilot SL Only:** Gently pull to remove the rebound adjuster knob from the right shaft bolt (fig. 2) (external rebound adjuster knob kit 11.4304.960.000).
3. Loosen shaft bolts five turns (fig. 3A) and tap firmly with a plastic faced mallet to separate the shafts from the lower tubes (fig. 3B). Remove the shaft bolts completely.
4. Carefully slide the lower leg assembly off of the upper tubes (fig. 4). Keep a 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.



## LOWER LEG REMOVAL

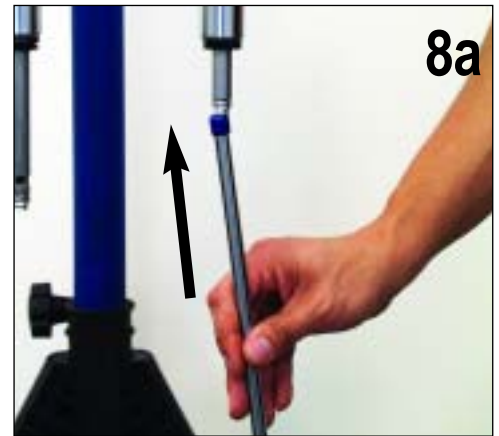
5. Spray isopropyl alcohol or a biodegradable solvent (Simple Green, Pedros, or equivalent) down into the lower leg assembly. Using a 12" long, 1 1/4" diameter soft bristle bottle brush to clean the lower tube internals. Dry thoroughly.
6. Using a 24mm socket wrench (fig. 6), remove the top caps (part numbers: 11.4306.206.000 for non-adjust and 11.4306.446.001 for air assist side).
7. Remove the spring guide and coil spring (fig. 7) from the left side of the fork (coil spring/spacer kit 11.4306.208.000).



## REMOVAL OF DAMPER AND PLUNGER SHAFT

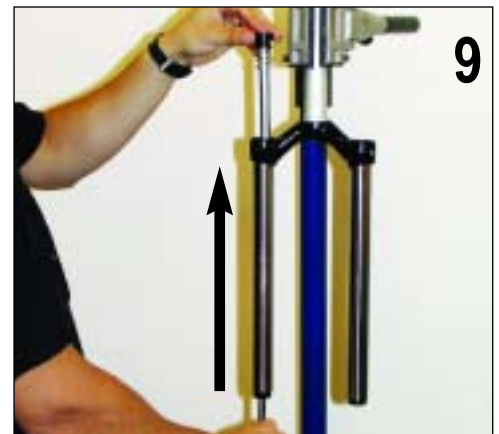
- Using a long cylindrical rod, push the air assist plunger up through the upper tube until the lower spring guide protrudes from the crown (Air Assist Plunger Assembly Kit 11.4306.207.000). Unthread the spring guide/plunger assembly until the o-ring has passed the top cap threads (Fig. 8a).

NOTE: INSPECT O-RING AND REPLACE IF WORN OR DAMAGED (FIG. 8B). IF YOUR FORK HAS A U-CUP SEAL, REPLACE WITH AN O-RING AIR SEAL (11.4307.208.010). GREASE THE O-RING BEFORE INSTALLATION.



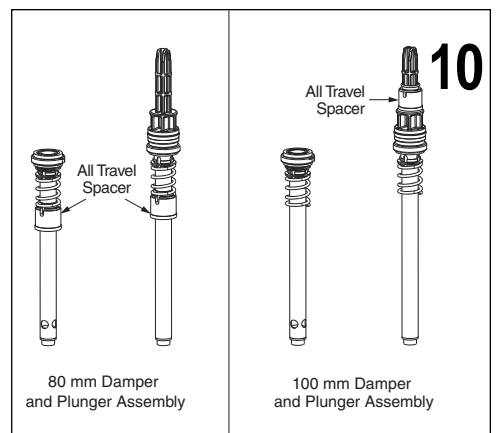
- Using the long cylindrical rod, push the damper assembly through and out the top of the upper tubes.

NOTE: USE CARE NOT TO DAMAGE THE PISTON GLIDE RING!



## ALL TRAVEL SPACER CONFIGURATION

- Note the all travel spacer on the plunger and damper assembly. For 100 mm of travel, remove the all travel spacer from the damper shaft. Move the all travel spacer on the plunger assembly so that it sits between the spring and the plunger (see fig. 10).



## DAMPER AND PLUNGER SHAFT INSTALLATION

11. Install the damper assembly (right leg) and plunger assembly (left leg) back through the top of the upper tubes.
12. Reinstall the spring assembly (with spring guide) into the left side. Install the air assist top cap lightly by hand (fig. 7).

## LOWER TUBE INSTALLATION

13. Slide the lower tube assembly onto the upper tube assembly until you feel the lower bushing engages with the bottom of the upper tube (fig. 4).  
**IMPORTANT: ENSURE THE GREY DUST SEALS ARE PROPERLY SEATED IN THE LOWER LEGS AND NOT ROLLED OVER ON THE UPPER TUBE.**

## REFILL FLUIDS

14. Invert the fork and fill the left leg (air assist spring side) with 30 cc RockShox 5 wt. oil (fig. 14).
15. Slide the lower tubes completely onto the upper tubes until both shafts fully engage the lower tubes.
16. Inspect the black nylon crush washers for wear or damage and replace if necessary.
17. **Pilot SL: BEFORE** installing the shaft bolts, insert the rebound adjuster knob into the damper and turn the rebound valve to the full clockwise position. Then remove the knob. **THIS PREVENTS DAMAGE TO THE PLASTIC REBOUND ASSEMBLY IN THE SHAFT.**
18. Install lower shaft bolts and torque to 60 in-lb (fig. 3a).
19. Turn the fork right-side up and remove air cap again. Extend the fork and fill the right upper tube (fig. 19a) with 150 cc RockShox 5 wt. oil. Then pour 20 cc 5 wt. oil into the left upper tube (fig. 19b).  
**TUNING TIP: YOU CAN USE A LIGHTER OR HEAVIER WEIGHT OIL TO ADJUST THE AMOUNT OF DAMPING.**

## TOP CAP INSTALLATION

21. Reinstall both top caps using a 24 mm socket wrench. Torque the top caps to 40 in-lb (fig. 2). Turn the rebound adjuster knob to the full open position (toward the rabbit). Cycle the fork to circulate the oil through the damper.
22. Spray a light coat of isopropyl alcohol onto the entire fork and wipe down with a clean rag.
23. Thread pump valve onto schrader valve and add the recommended air pressure.

### AIR PRESSURE GUIDELINES

Rider Weight (lb)	Air Pressure
<140 (63 kg)	—
140-160 (63-72 kg)	0-5 psi
160-180 (72-81 kg)	5-10 psi
180-200 (81-90 kg)	10-15 psi
>200 (99 kg)	15-20 psi

