

DECAL INSTALLATION

PROTUNE STAGE 2



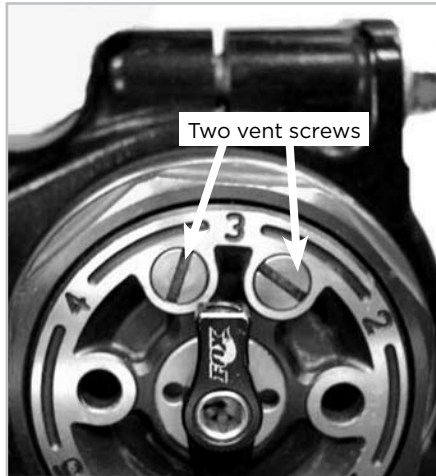
PROTUNE STAGE 2

CAP INSTALLATION

KAYABA 48 mm & SHOWA 48 mm



- 1 Follow manufacturer's assembly instructions. Mount both fork tubes so that the two vent screws face toward the front (rider's perspective).



- 2 Clean both fork upper tubes with soap and water. Dry with a paper towel.



- 3 Select the right fork decal.



- 4 Peel back half of the decal release paper.



- 5 Align the center of the decal with the center line of the right upper tube (non-brake mount side).



- 6 Working from the center, press the decal onto the upper tube. Remove the release paper as you apply. Avoid trapping any air bubbles under the decal as you go.



- 7 Repeat steps 2-6 for the left side fork tube (brake mount side).



- 8 The finished result below.



- 9 Attach the PROTUNE consumer card to the fork for the customer.

- 1 To disassemble the fork cartridge, refer to the manufacturer's disassembly instructions.



- 2 Place the cap tool into the top of the compression assembly. Clamp the flats of the tool into a soft jaw vice.



- 3 Using a 14 mm wrench, loosen and remove the compression piston assembly. Clean the threads on the shaft.



- 4 Remove the plastic free piston, the spacer if one exists, the steel spring seats (2), and the coil spring. Place all these parts onto a clean shop towel.



- 5 Remove the assembly from the soft jaw vice and clamp the piston rod shaft with a 10 mm shaft clamp.



- 6 Remove the compression cap from the piston rod shaft with the cap tool.

- 7 Clean the shaft threads on the cap end and apply a small amount of red Loctite® onto the shaft threads. Be careful not to apply any Loctite to the adjuster parts.



- 8 Install the new FOX compression cap with a FOX pin spanner tool (P/N 398-00-249). Tighten to 85 in-lbs torque.



- 9 Apply a thin film of grease onto the piston rod.



- 10 Install the steel spring seat, the coil spring, one more steel spring seat, the spacer if one exists, and the free piston onto the piston rod.



- 11 With a 4 mm hex wrench, back the compression adjuster out to full-open (counter-clockwise).



- 12 Using a soft blunt tool, depress the tapered needle into the piston rod until it bottoms into the shaft.



- 13 Apply a small amount of red Loctite onto the shaft threads. Be careful not to apply any Loctite to the adjuster parts.



- 14 Install the compression piston assembly. Tighten to 65 in-lbs torque.

TIP: Hold the other (cap) end with FOX spanner tool as you apply torque, to tighten the piston assembly.



- 15 With a 4 mm hex wrench, turn the compression adjuster to full-closed (clockwise) until it stops, then turn it back counter-clockwise to first detent (click).

- 16 Install the blue adjuster lever; position the lever to zero (0). Tighten the set screw to 5-6 in-lbs torque with a T8 torx driver.



- 17 Lightly grease the o-rings on the top cap.



- 18 Back the compression adjuster lever out to full-open (counter-clockwise).

- 19 Reassemble the fork cartridge per the manufacturer's assembly instructions.

PROTUNE STAGE 2 CAP INSTALLATION

SHOWA 47 mm



PROTUNE STAGE 2 CAP INSTALLATION

WP BLADDER FORK



1 To disassemble the Showa fork cartridge, refer to the manufacturer's disassembly instructions.



2 Position the compression assembly wrench flats on the cap into a soft jaw vice.



3 Using a thin 13 mm open end wrench or a thin 13 mm crowfoot, fit the wrench between the pressure spring coils. Loosen the jam nut (counter-clockwise) from the Showa compression top cap.



4 Using the FOX shaft clamp P/N 803-00-290 (or a suitable shaft clamp substitute), clamp the piston base post into the soft jaw vice.



NOTE: You will need to compress the coil spring in order to install the shaft clamps between the free piston and the compression piston backup plate.



5 Using the Showa top cap wrench, remove the Showa compression cap and the spring thrust washer (thrust washer will be re-used later with the new FOX compression cap). Clean the threads on the shaft.



6 Remove the slotted compression adjuster from the Showa cap by turning the adjuster to full-closed (clockwise). Grip the adjuster with your fingers and turn it counter-clockwise 1-2 turns, while pulling slightly to remove the adjuster from the Showa cap.



7 Apply a thin film of light grease onto the adjuster needle threads. Reinstall the adjuster needle into the FOX cap by turning it clockwise 1/2-2 turns. Turn the hex adjuster full-open (counter-clockwise) with a 4 mm hex wrench.



8 Apply a thin film of light grease onto the needle shaft and the o-ring.



9 Install the spring thrust washer (removed from the Showa cap in step #5) into the FOX cap. Install the FOX cap assembly onto the piston rod (shaft). Thread down and tighten the cap to 45 in-lbs torque with the FOX pin spanner tool (P/N 398-00-249).

NOTE: The cap should NOT be against the jam nut at this time.



10 Remove the compression cap assembly from the soft jaw vice and remove both shaft clamps from the piston post.



11 Place the FOX cap pin spanner tool into a soft jaw vice and tighten the jam nut to 80 in-lbs torque.



12 With a 4 mm hex wrench, turn the compression adjuster screw to full-closed (clockwise) then back open to the first detent (click).



13 Install the blue FOX adjuster lever and position the lever to zero (0). Tighten the lever set screw to 5-6 in-lbs torque using a T8 torx driver.

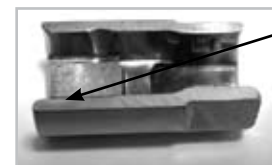


14 Lightly grease the o-rings on the cap.

15 Back the compression adjuster out to full-open (counter-clockwise).

16 Reassemble the Showa fork cartridge using the manufacturer's assembly instructions.

Before you attempt this procedure we advise that you make your self a special 15mm Jam nut tool. We have used a 15mm deep socket with 1/2" drive.



MODIFIED 15MM DEEP SOCKET 1/2" DRIVE. CUT IN HALF WITH GROUN IN WRENCH FLATS. THIS IS A HANDY TOOL FOR WP 15MM JAM NUT.

1 To disassemble the WP fork cartridge, refer to manufacturer's disassembly instructions. You will only be working on the top cap assembly.



2 Unthread the compression knob screw with a 2.5mm hex wrench and remove compression knob.

3 Pull the rubber bladder down towards the compression piston. This will expose the compression damper shaft and the 15mm jam nut. Hold the top cap with the spanner wrench while using your slotted 15mm socket handle wrench, and back off the 15mm jam nut.

4 Pull down the bladder enough to install the 12mm shaft clamps onto the shaft.

5 Place shaft clamps into soft jaw vise and using the top cap spanner wrench unthread the WP top cap from the shaft.



6 As you are unthreading the top cap push down on the brass adjuster, this will keep the adjuster in the shaft as you remove the top cap. Be careful not to lose the small steel detent balls or spring.



7 Remove the WP compression adjuster from the shaft. Remove the two detent balls and spring and set aside as you will need to reuse them.

8 Remove the FOX compression adjuster from the FOX Clicker top cap by pushing it out of the top cap with the 4mm hex wrench.

9 Clean and grease the WP top cap detent spring and two balls and install them into the FOX adjuster.



10 Using a flat blade screw driver thread in the adjuster needle clockwise until it lightly bottoms out inside the 12mm shaft.



11 Install the FOX compression adjuster with the two balls and spring into the 12mm shaft.



12 Clean shaft threads and apply a small amount of red Loctite onto shaft threads. Be careful not to apply any Loctite to the adjuster parts.



13 Thread the FOX Clicker Cap all the way onto the 12mm shaft until it stops. Hand tight is adequate.

14 Using the spanner tool and the special 15mm jam nut wrench tighten the jam nut to the FOX top cap (25 in-lbs torque). Be very careful not to over torque as the shaft is made of aluminum and it is very soft.

15 With a 4mm hex wrench, turn the compression adjuster screw to full-closed, (clockwise) then turn adjuster back counter-clockwise eight clicks.



16 Install the blue FOX adjuster lever and align it to zero (0). Tighten the lever set screw to 5-6 in-lbs torque using a T8 torx driver.



17 Back the compression adjuster out (counter-clockwise) to full-open.

18 Push the top cap bladder back onto the FOX Clicker Cap.



19 Reassemble the WP fork cartridge using the manufactures assembly instructions.