

WP Twin Chamber Fork Spring Instructions

- 1 Place motorcycle on a stand so that the front wheel is off the ground.
- 2 Using a 27mm socket remove the front axle nut. Using a 10mm socket, loosen the four front axle pinch bolts. Slide front axle out of forks and remove front wheel.
- 3 Using a 6mm socket, remove the two brake hose guide bolts from the left side fork guard. Remove the plastic hose retainer and pull the hose out of the fork guard.
- 4 Using a 10mm socket, remove the two caliper carrier bolts from the left fork leg. (Fig. 1)
- 5 Remove the caliper from the left fork leg. Do not let it hang from the brake hose. Zip - tie the caliper up and out of the way.
- 6 Using a 10mm socket, remove the four handlebar clamp bolts. Remove upper handlebar clamp(s). Lift the handlebar up and out of the lower mounts. Zip-tie it out of the way.
- 7 Using a 10mm socket, loosen the 4 fork pinch bolts on the upper triple clamp. Using a 50mm socket, just loosen both fork caps. Do not unscrew them yet.
- 8 Loosen the 4 or 6 (depending on model) fork pinch bolts on the lower triple clamp. Note: hang on to each fork leg as you loosen the last pinch bolt or the fork may drop out of the triple clamps. The forks should easily slide down and out of the triple clamps as you loosen the last pinch bolts on each side.
- 9 Clamp the bottom of the fork in a vice with soft jaws as shown in (Fig. 2)
- 10 Hold the outer tube with your hand while unscrewing the fork cap from the fork tube with the 50mm socket. Slide the outer fork tube all the way down.
- 11 Place a drain pan under the fork. With a 19mm socket, loosen the rebound adjuster in the bottom of the fork. This will cause the oil in the outer chamber of the fork to drain out. (Fig. 3) Push down on the fork cap to slightly compress the fork spring. Insert a 13mm stopper plate to hold the inner rod hex head out of the bottom of the fork. (Fig. 4)
- 12 Use a 17mm open end wrench to hold the cartridge rod hex head and a 19mm socket to remove the rebound adjuster from the cartridge rod. (Fig. 5)
- 13 Push down on the fork cap to slightly compress the fork spring. Remove the stopper plate and pull the inner cartridge up and out of the fork. Set the inner cartridge out of the way. Use a small hook or Allen wrench to reach in the fork tube and pull out the fork spring. (Fig. 6)
- 14 Insert the new spring in the fork. Insert the inner cartridge. The cartridge rod should go through the center of the new fork spring. Push down on the fork cap to compress the spring far enough to insert the stopper plate to hold the cartridge rod out of the bottom of the fork. Screw the rebound adjuster back onto the cartridge rod. Use a 17mm wrench to hold the cartridge rod and a 19mm socket on a torque wrench to torque the rebound adjuster on the cartridge rod to manufacturer's specifications.
- 15 Push down on the fork cap to compress the spring far enough to remove the stopper plate. Screw the rebound adjuster into the bottom of the fork leg. Use a 19mm socket on a torque wrench to torque the rebound adjuster to manufacturer's specifications.
- 16 Look in your owner's manual to find the proper outer fork chamber oil capacity for your model. Pour the specified amount of cartridge fork oil into the outer fork chamber.
- 17 Pull the outer fork tube all the way up. Screw the fork cap back into the outer fork tube all the way.
- 18 Repeat steps 9 - 17 for the other fork.
- 19 Re-install both forks in triple clamps. Using a 10mm socket on a torque wrench, torque the four or six (depending on the model) lower triple clamp pinch bolts to manufacturer's specifications.
- 20 Use a 50mm socket on a torque wrench to torque the fork caps to manufacturer's specifications.
- 21 Using a 10mm socket on a torque wrench, torque the four upper triple clamp pinch bolts to manufacturer's specifications.
- 22 Re-install the handlebar. Be sure to torque the four handlebar clamp bolts to manufacturer's specifications.
- 23 Apply thread lock to the two front caliper bolts. Re-install the brake caliper and front wheel by reversing steps 5 thru 2. Torque the brake caliper mounting bolts, front axle nut, and axle pinch bolts to manufacturer's specifications.

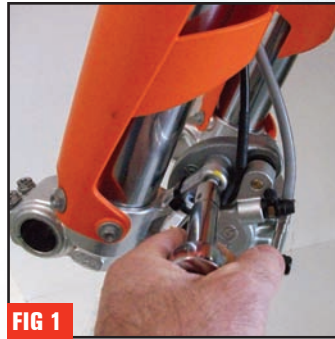


FIG 1



FIG 2



FIG 3



FIG 4

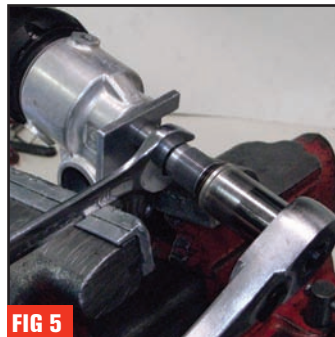


FIG 5



FIG 6

WARNING AND DISCLAIMER

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INSTRUCTIONS

WP Twin Chamber Fork Springs