

465 Series Single Shock Supplement for Yamaha XV-19 Raider (with Remote Adjustable Pre-Load)

Please read these instructions completely before starting!

Check the spring part number on your shock - it **must** be part number 01-1006. The spring part number should be located on one of the coils near the clevis end of the shock, and may also include the spring rate number(s). If you do not have the proper spring, you **must** get one before installing the Remote Adjustable Pre-Load adjuster on your shock.

Check the orientation of the adjuster on the shock body - looking at the top of the shock, the hydraulic line port should be in line with the nitrogen port (see *figure 1*). If it is not properly oriented, you will need to reposition it. To do this, hold the upper shock eye securely in a vice and carefully rotate the Remote Adjustable Pre-Load adjuster the desired direction. This may be somewhat difficult due to spring tension, and may require slight loosening of the locking ring. Also, the spring, shaft, and lower mount may rotate while repositioning the adjuster. This is OK, just be sure to realign it with the upper mount (also be sure the rebound adjuster on the lower mount is properly oriented as noted below).

Mount the shock as you would your stock shock per your authorized shop manual (with the rebound adjustment at the bottom) noting the following:

- As you mount the shock, feed the Remote Adjustable Pre-Load adjuster towards the rear (see *figure 2*) and to the right side of the swingarm (see *figure 3*).
- Do not loosen or attempt to rotate the line between the shock and the adjuster.
- Make sure the shock rebound adjustment is toward the rear and facing the right side of the motorcycle and the non-adjustable nitrogen port is facing down.
- Tighten shock bolts to the proper torque specifications (refer to your manual).
- Locate the EXUP valve servo mounting bracket, specifically the two bolts used to secure it to the frame (see *figure 4*). They below the seat on the right hand side of the motorcycle.
- Now either mount the adjuster to the supplied mounting bracket using the supplied M6-1.0X8mm SHCS fasteners and torque them to 80-90 in/lbs (9-10 N-m), then mount the bracket and adjuster to the bike using two EXUP valve servo mounting bolts (as shown in *figure 5*) - or - mount the adjuster bracket to the frame using those two bolts, then mount the adjuster to the bracket (may require removal of exhaust stay).
- Using the supplied zip-ties, secure the hydraulic line away from any moving parts or heat sources.

To adjust the ride height, simply turn the adjuster knob clockwise to increase the height and counterclockwise to reduce it. See main instructions for procedure of achieving optimum ride height.

Caution: With the adjuster in the lightest/lowest setting (all the way counterclockwise) the installed spring length must never be set shorter than the following lengths, or damage will occur:

- 152mm (5.98") for 465-5011 or 465-1168 (Standard)
- 143mm (5.63") for 465-5012 or 465-1169 (1" LOW)

