

V-Twin Mfg.
Adjustable ST Shock Mount
VT Part No. 54-0535

This is a custom application and rider safety depends on proper installation. This product should only be installed by a knowledgeable and trained motorcycle technician. V-Twin Mfg. accepts no responsibility for improper installation.

Installation Instructions:

Removal

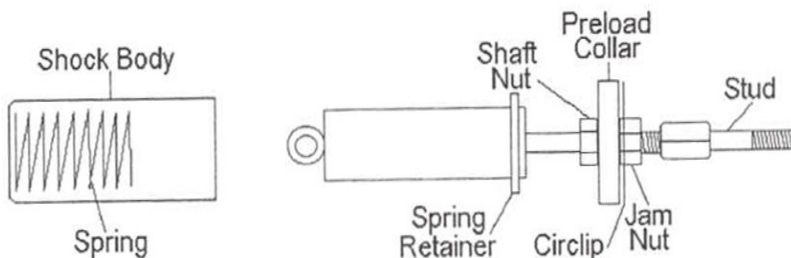
1. Place motorcycle on lift and secure front wheel.
2. Using a scissors jack under the frame, lift rear of motorcycle.
3. Place a second scissors jack under rear wheel to support and adjust swing arm during shock removal and installation.

Warning: If the rear wheel is not properly supported when the shocks are removed, the swing arm may slam down and cause serious injury or death.

4. Remove hardware holding the shock to the frame and swing arm. Note the location of all the components. They will be reused with your lowering kit.

Tip: Snap-On Tool Co. adapter, Part # SRES 24 will help in the removal of the shock.

5. Using a press, compress the shock far enough to remove the retaining clip from the shock body. Remove shock from body.
6. Use a wrench on the stud and a wrench on the jam nut to break the jam nut.
7. Use a wrench on the stud and a wrench on the shaft nut, remove the stud. Heat may need to be applied to the stud to loosen the Loctite. Caution: Do not to overheat the shock shaft.
8. Remove preload collar and jam nut.



Installation

1. Install adjuster nut on the shaft.
2. Install jam nut and preload collar onto shaft.
3. Tighten jam nut to the adjuster nut (for installation purposes only) .
4. Install assembly onto shock shaft using blue Loctite. Hold the shaft nut and torque to 30 ft. lbs. using the adjuster nut.
5. Snug preload collar onto shaft nut.
6. Lock jam nut to preload collar. The preload setting is at it's softest at this point. If more preload is required, increase both shocks evenly.
7. Verify that the adjuster nut is only lightly seated. You should be able to turn it by hand.
8. Install the shock into the shock body. Using the press, install the circlip. (The smaller ID of the spring points forward on the bike.)
9. Install the half of the washer/grommet assembly and the shaft sleeve onto each shock. The washer/grommet assembly consists of 2 cups, 2 grommets, and 1 shaft sleeve.
10. Place the shock into position on the motorcycle and install the remaining portions of the washer/grommet assembly. Install the flange nut. Tighten to 33-40 ft.lbs.
11. Adjust the height of the rear wheel to align the shock eye with the swing arm mount. Install washers and bolts using anti seize on the shoulder of the bolts and blue Loctite on the threads. Tighten the bolts to 115-130 ft.lbs.
12. Remove both scissors jacks.

Adjustment - The shock is set at the highest position at this point. Follow these instructions to adjust the seat height lower.

1. Loosen the flange nuts evenly until the seat height is where you want it.
2. Make a reference mark on the adjuster nut. Tighten the adjuster nut to the washer/grommet assembly. From the "seated" position, each full turn represents .150".

DO NOT ADJUST TO MORE THAN 5 TURNS OUT FROM "SEATED"

3. Retighten the flange nut to 35-40 ft.lbs.
4. Follow instructions in reverse order to raise seat height

