

**ATTENTION**

Statements in these instructions that are preceded by the following words are of special significance:

**Warning**

This means there is the possibility of injury to yourself or others.

**Caution**

This means there is the possibility of damage to the motorcycle.

**Note**

*Information of particular importance has been placed in italics.*

**Warranty**

Progressive Suspension Inc. warrants to the original purchaser this Part to be free of manufacturing defects in materials and workmanship for a period of one (1) year from the date of purchase. In the event warranty service is required, you must call Progressive Suspension immediately with a description of the problem.

If it is deemed necessary for Progressive Suspension to make an evaluation to determine whether the part is defective, a return authorization number will be given by Progressive Suspension. The parts must be packaged properly so as to not cause further damage and returned prepaid to Progressive Suspension with a copy of the original invoice of purchase and a detailed letter outlining the nature of the problem. If after the evaluation by Progressive Suspension the part was found to be defective it will be repaired or replaced at no cost to you. If we replace it, we may replace it with a reconditioned one of the same design.

Progressive Suspension shall not be held liable for any consequential or incidental damages resulting from the failure of a Progressive Suspension part. Progressive Suspension shall have no obligation if a part becomes defective as a result of improper installation or abuse.

**Warning**

This cover kit is designed specifically to be installed ONLY on Progressive Suspension Inc. 412 Series shock absorbers on approved applications. The approved applications are noted on the Instruction Supplement packaged with the mounting hardware that was included with this kit. Please contact our customer service department or visit our website for the latest application info.

**IMPORTANT NOTICE**

Note: Please read the following instructions completely before starting installation!

Follow instructions in an authorized shop manual or take the motorcycle to a competent dealer to remove the rear shocks.

The motorcycle must be securely blocked to prevent it from tipping over when the shocks are removed. Failure to do so can cause serious damage and/or injury.

**Warning**

Shock should be disassembled and reassembled using a quality spring compressor tool. Progressive Suspension Shock / Spring tool #32-5508, available at your local dealer or accessory store.

If a proper tool is not available, refer the work to your local dealer. Attempting to compress the springs without the proper tool may result in **SERIOUS INJURY!**

**Installation**

1. Place a quality jack or sufficient blocks under the motorcycle to securely lift the rear wheel slightly off the ground.
2. Remove the old shocks and note location of mounting hardware. If additional accessories are installed on your motorcycle, please refer to their mounting instructions for removal to gain access to your shocks.
3. Using the proper spring tool, compress the springs slightly and remove the clip, springs, covers and body protector. You will re-use the springs, body protectors, clips and 5 position pre-load adjusting cam during reassembly.
4. While the shocks are disassembled, inspect them for oil leaks, bushing and bumper condition as well as shaft scoring or pitting. Replace with new components if required.

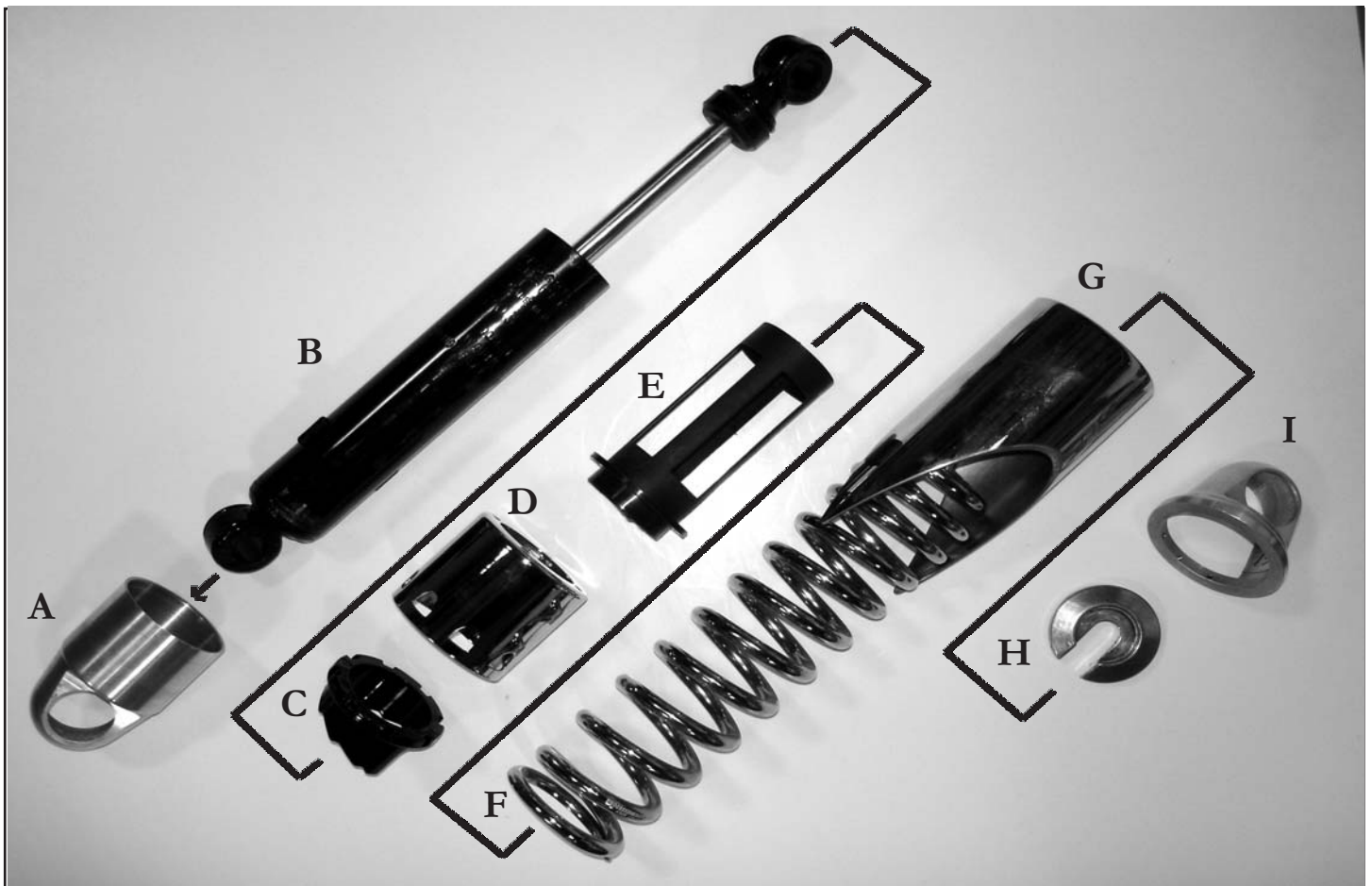


Photo 1

5. Note the relation of all the shock components in the photo 1 above. You will need to refer to this photo for proper re-assembly of your shocks with the components supplied with this retro fit kit.

- |                           |                  |
|---------------------------|------------------|
| A. Lower Eye Cover        | H. Clip          |
| B. Damper                 | I. Top Eye Cover |
| C. Pre-Load Adjusting Cam |                  |
| D. Short Chrome Cover     |                  |
| E. Body Protector         |                  |
| F. Spring                 |                  |
| G. Long Chrome Cover      |                  |

6. Install the Lower Eye Cover (A). Note: on dampers with offset lower eye rings, make sure the open side (back) of the Lower Eye Cover is facing the Back surface of the eye ring as shown in photo 2. Push the cover all the way onto the Damper (B), when fully installed the eye ring will be centered with the 1 1/8" dia. hole in the cover as shown in Photo 3.



Photo 2



Photo 3

7. Install one of the included set screws with a drop of blue loctite on it's threads into the threaded hole of the Lower Eye Cover and tighten to 4 in/lbs of torque. Photo 4

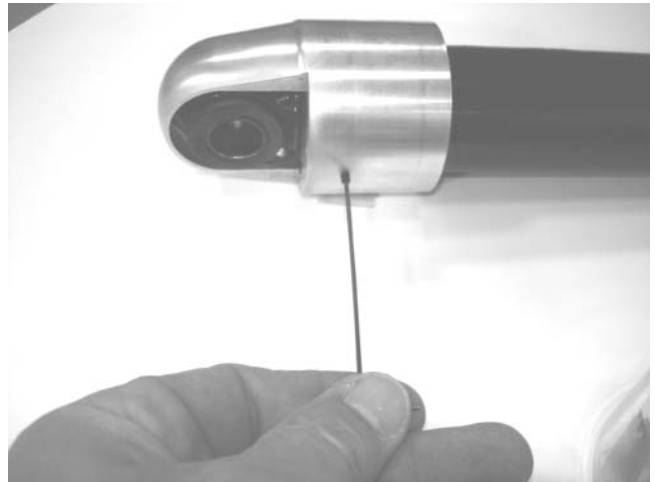


Photo 4

8. Apply Cam adjuster lubricant to the ramped surfaces of the 5 position Pre-Load Adjusting Cam (C). Install the Cam back onto the Damper in its original location. Next install the Short Chrome Cover (D) over the Pre-Load Adjusting Cam making sure that the four tabs on the inside of the Short Chrome Cover engage with the notches in the Pre-Load Adjusting Cam. See Photo 5 Rotate this assembly to it's minimum pre-load position by rotating it counterclockwise when looking down from the shaft end of the Damper.



Photo 5

9. Re-Install the Body Protector (E), Spring (F) (with reduced OD end towards the top eye ring, if applicable) and the new Long Chrome Cover (G) in the same orientation as shown in Photo 1. Using a spring compressor, compress the Spring and Long Chrome Cover far enough to install the Clip (H). NOTE: Be sure to install the Clip with the opening facing towards the back of the shock as shown in Photo 6



Photo 6

10. Install the Top Eye Cover (I) with the opening facing the back of the shock. The 2 threaded holes for the set screws must straddle the slot in the Clip as shown in Photo 7. The Top Eye Cover sits fully against the top of the new Long Chrome Cover when properly installed.

11. Install set screws with a drop of blue loctite on it's threads into each of the 2 threaded holes of the Top Eye Cover and tighten to 4 in/lbs of torque.

12. Align Long Chrome Covers with top eye as shown below in Photos 8 & 9. You can also rotate the Long Chrome Covers to a position that best suits your personal taste. Just rotate the covers with your hands.

13. Re-install the assembled shocks onto the motorcycle. Use the appropriate mounting hardware as instructed on the instruction supplement. Tighten the mounting nuts / bolts to the proper torque. Consult your owners / service manual for torque specifications.

14. Reinstall any accessories removed according to their mounting instructions. Make sure that the accessories do not interfere with the shocks throughout their full range of suspension travel. If any accessories bolt to the shock mounting points, a careful check must be made to insure that they do not bind the shocks.

15. Install the Domed Caps into the 1 1/8" holes in both the Top Eye and Lower Eye Covers by pushing them into the holes. See Photo 10

**Ride and Enjoy!**



Photo 7



Photo 8



Photo 9



Photo 10