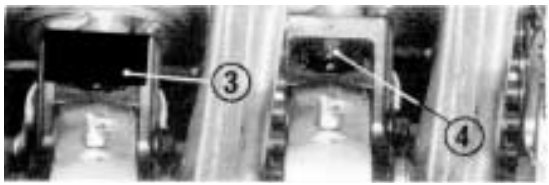
5. Sit on the ATC and have someone remeasure the distance from the rear axle to the center of bolt attaching rear carrier to the frame, just as you did in step 4.
6. The difference between the two measurements should be 90 mm. Adjust the spring preload length, as required, to achieve this figure. But do not exceed the minimum or maximum spring preload lengths.
   MINIMUM SPRING PRELOAD LENGTH:
   193 mm (8.0 in)
   MAXIMUM SPRING PRELOAD LENGTH:
   213 mm (8.4 in)
7. Tighten the shock lock nut securely. Then, reinstall the seat/rear fender, making sure that is is attached securely.

To adjust rebound damping:

There are four rebound damping adjuster positions. The damping adjuster is located at the bottom of the shock absorber and is marked with numbers to denote the adjustment position.



(3) Protector rubber (4) Rebound damping adjuster

To adjust, remove the protector rubber (3) and turn the rebound damping adjuster (4) to the desired position: Number 1 is soft and Number 4 is firm. It is best to start with the adjuster in the standard position (Number 2) and test ride to see if adjustment is necessary. See page 19.

NOTE:

* Whenever you turn the damping adjuster, be sure that it stops firmly in a detent and not between numbered positions.

To adjust compression damping:

There are sixteen notches of compression damping adjustment. The compression damping adjuster (5) is located on the shock reservoir and has a punch mark on its outer surface. When the punch mark is aligned between the "L" (low) and "H" (high) marks on the reservoir body, the compression damping is in the standard position.

It is best to start with the adjuster in the standard position and test ride to see if adjustment is necessary. See page 19.

(5) Compression damping adjuster