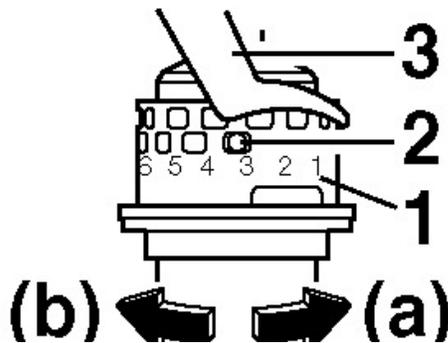


## REAR SHOCK SPRING PRELOAD ADJUSTER ON A V-STAR 1100:

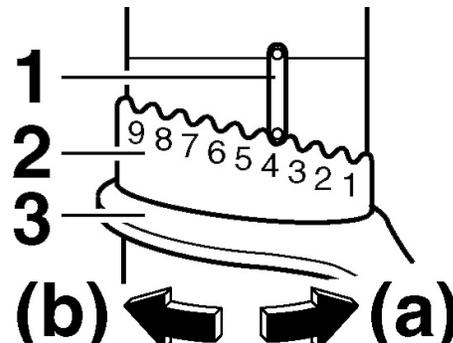


The 2 Different Types of Rear Shock Adjuster

You will be able to easily identify the type once you see it and it may be easier if you take the time to remove the battery and battery box\*. This way you can get both hands in there and it makes using the spanner much easier. \*See note at the end of the write up.



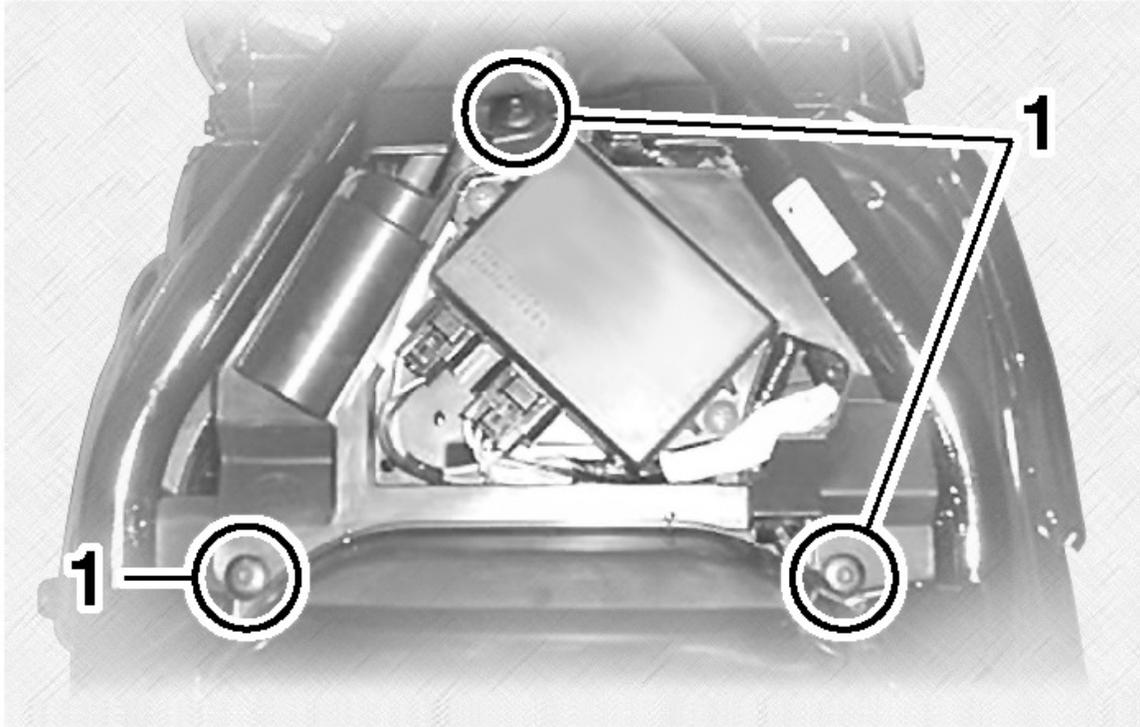
**Type 1** This is the type shown in most manuals and the preload number is centered as you look at the adjusting ring directly from the rear. In the picture here, the preload is set to 3. On this type, as you rotate the adjuster **counter clockwise** from 1-7, the exposed shock above the ring will increase as the spring is compressed.



**Type 2** The adjuster pictured at the top of this article, adjusts 1-9 in a **clockwise** direction. This picture shows the opposite and this is where the manual gets confusing. Not all of these ones have numbered slots but it is easier to see the setting on this type.

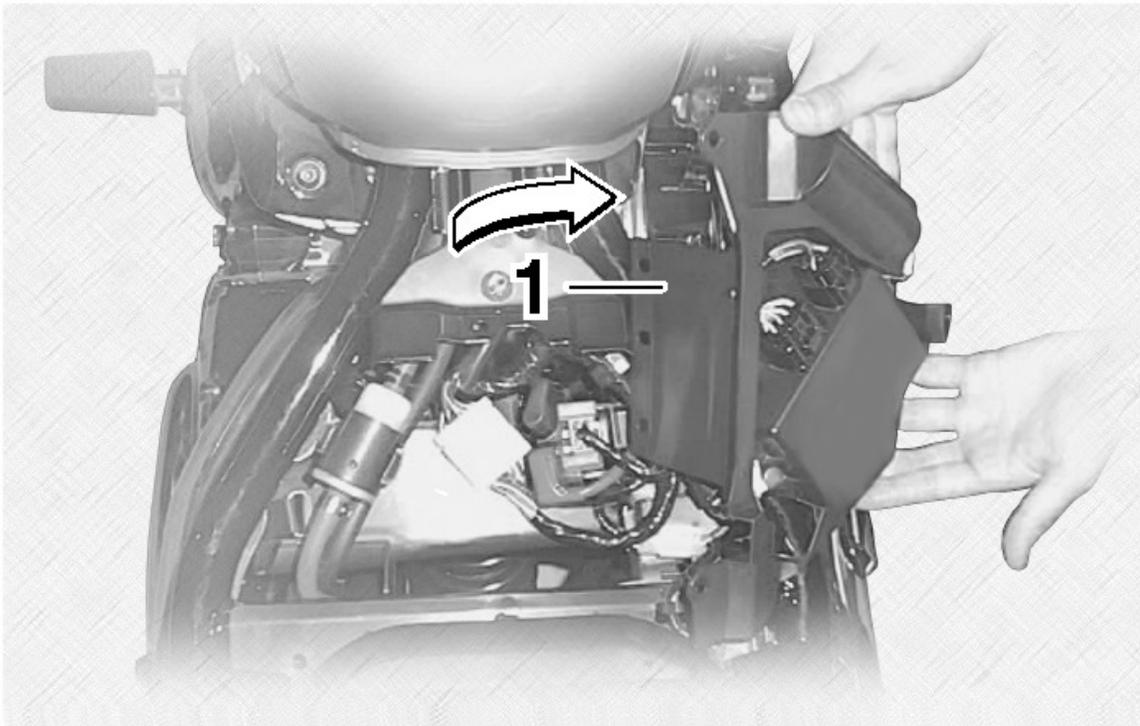
### Adjusting the shock absorber assembly

1. Remove the rider seat.
2. Remove each quick fastener from the igniter unit panel by pushing the center in with a screwdriver, then pulling the fastener out.



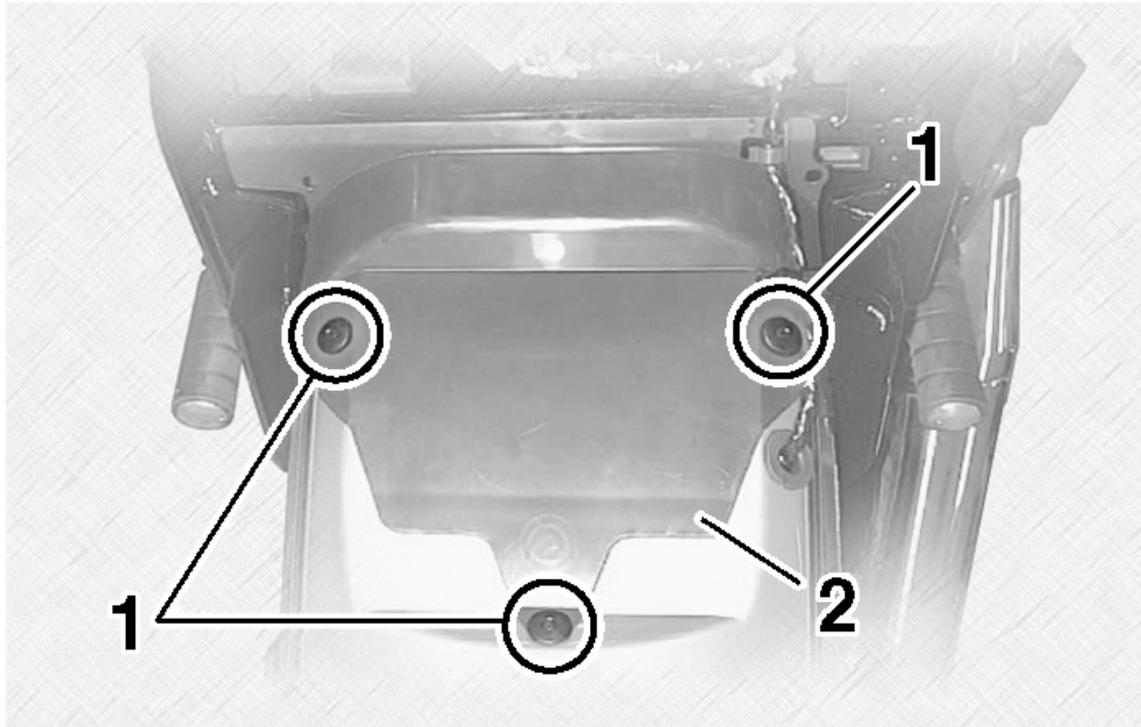
1. Quick fasteners

3. Pull the igniter unit panel out to the right.



1. Igniter unit panel

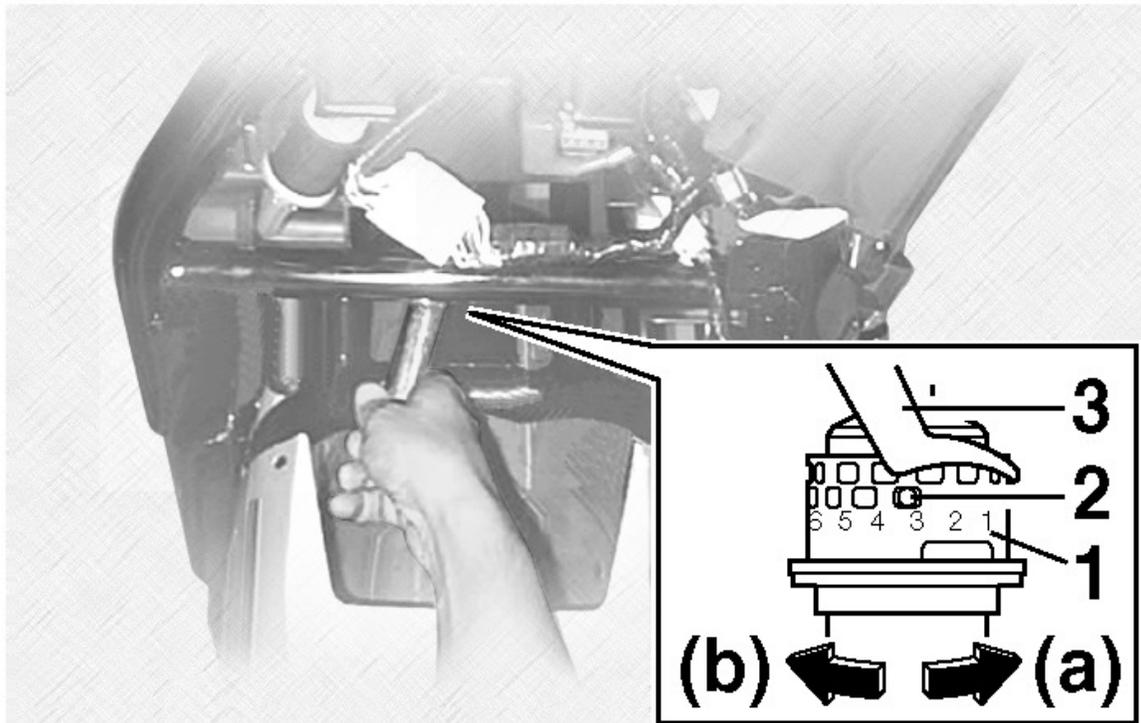
4. Remove the mudguard by removing each quick fastener.



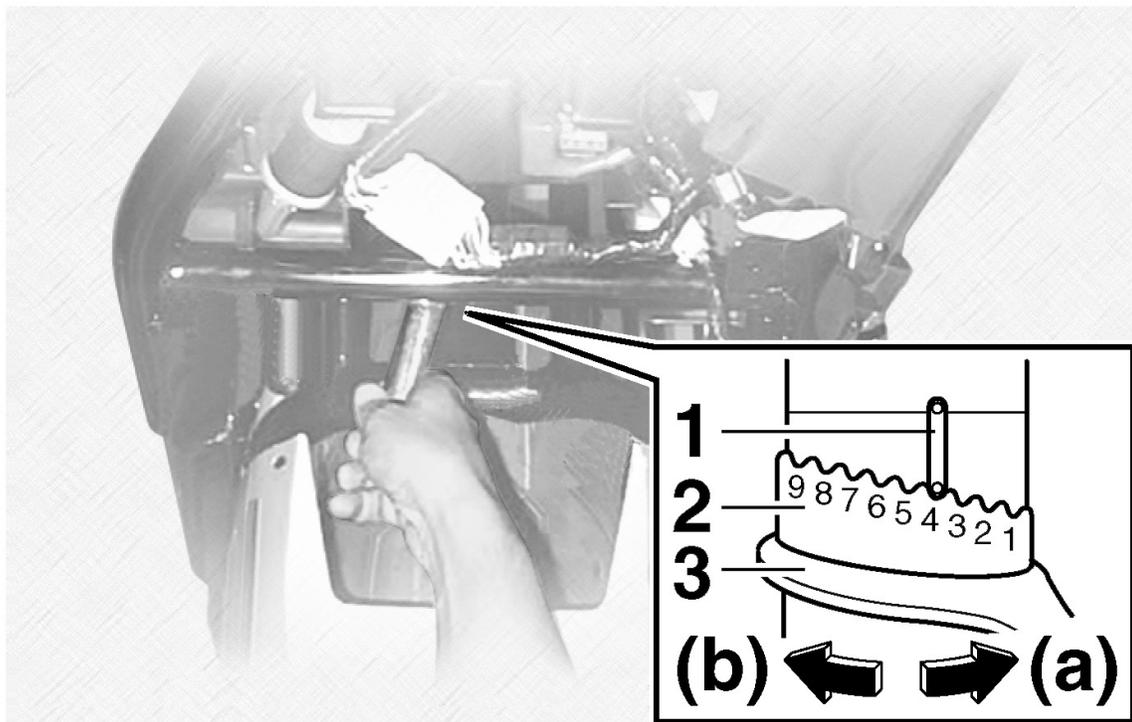
1. Quick fastener 2. Mudguard

5. To increase the spring preload and stiffen the suspension, turn the adjusting ring in direction (a). To decrease the spring preload and soften the suspension, turn the adjusting ring in direction (b).

**NOTE:** Align the appropriate notch in the adjusting ring with the position indicator on the shock absorber, using the special wrench.



1. Spring preload adjusting ring 2. Position indicator 3. Special wrench



1. Position indicator      2. Spring preload adjusting ring      3. Special wrench

6. Install the mudguard and igniter unit panel by installing the quick fasteners.

**NOTE:** To install a quick fastener, push the pin back so that it will protrude from the fastener head, and then insert the fastener and push the protruding pin in until it is flush with the fastener head.

7. Install the rider seat.

**NOTE:** To remove the battery box, first remove the battery, noting the mileage on your trip meter because it will reset to zero.

Remove the chrome cover behind the exhaust pipes and remove the rectifier/regulator. Remove all the bolts from the battery box and pull the battery box out. You now have easy access to the shock adjuster. With your right hand going in from the side, holding the wrench, your left hand can go in from the top and easily place the extension on the wrench.

If it has been fairly long since the shock has been adjusted, it may be necessary to lift the weight off the back wheel and maybe even use WD 40 on the adjuster.

Hawgstar.  
May 04-08