

Ted Porter's BeemerShop

TRIUMPH 1200 SCRAMBLER XE HD SPRING MOUNTING INSTRUCTION

1. Remove the shock absorbers from the motorcycle per the instructions in the service manual. Remove the plastic safety cover from the piggyback on the left shock.
2. Gently grip the rebound damping adjust knob with parallel smooth jawed pliers. Using a Phillips screwdriver, remove the knob mounting screw. Pictures 1 and 2.



PICTURE 1

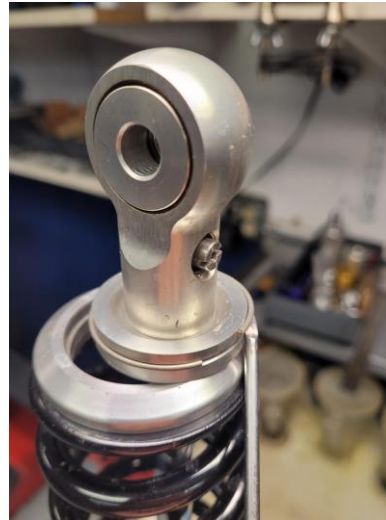


PICTURE 2

3. Hold the shock in a vice by the top piggyback eyelet, with the shock shaft pointing up.
4. Loosen the nylon locking screw on the preload adjuster and adjust it to the minimum preload position.
5. Pull the spring down and hook and hook the spring retainer under the shock eyelet. Picture 3. Using a wire ring tool or scribe, remove the wire ring from the eyelet. Picture 4.



PICTURE 3



PICTURE 4

6. Remove the large main spring from the shock. Picture 5.



PICTURE 5

7. Using a wire ring tool or scribe, remove the wire ring that retains the spring separator guide sleeve. Picture 6. Then remove the guide sleeve and spring separator from the shock. Picture 7.



PICTURE 6



PICTURE 7

8. Remove the small tender spring from the shock. Picture 8.



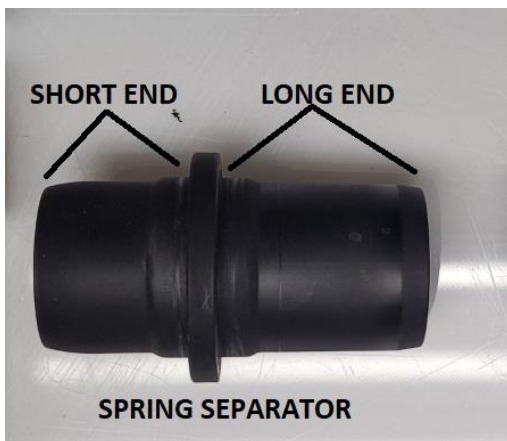
PICTURE 8

9. Slide the new Beemershop HD spring onto the shock. Note that the small diameter end goes against the spring preload adjuster. Picture 9.



PICTURE 9

10. Mount the spring separator on the shock. The short end of the separator goes into the Beemershop HD spring. Picture 10.



PICTURE 10

11. Note the spring separator guide sleeve. One end has a ribbed surface and one is smooth. Picture 11. Mount the guide sleeve on the shock with the ribbed end pointed towards the shaft end of the shock. This is reversed from its' original orientation. The correct orientation of this part is critical to the correct operation of the new spring system. Picture 12.



PICTURE 11



PICTURE 12

12. Install the wire ring that retains the sleeve. Be sure it is completely seated in the groove. Pictures 13 and 14.



PICTURE 13



PICTURE 14

13. Install the large main spring on the shock. The large diameter end goes over the long end of the spring separator. Picture 15.



PICTURE 15

14. Install the spring retainer on the main spring and pull it down to hook it under the eyelet. Install the wire ring in the eyelet groove. Release the spring retainer and slide it up over the eyelet base. The top surfaces of the eyelet base and the retainer should be flush with each other. Pictures 16 and 17.



PICTURE 16



PICTURE 17

15. Install the rebound damping adjust knob on the adjuster shaft. Note the feature on the knob that must mate with the slot in the shaft. Put a small drop of BLUE MEDIUM STRENGTH Loctite on the knob screw thread before threading it into the shaft. As with the removal, gently hold the knob with a pair of parallel flat jaw pliers when tightening the screw down. DO NOT OVER TIGHTEN!! Pictures 18 and 19.

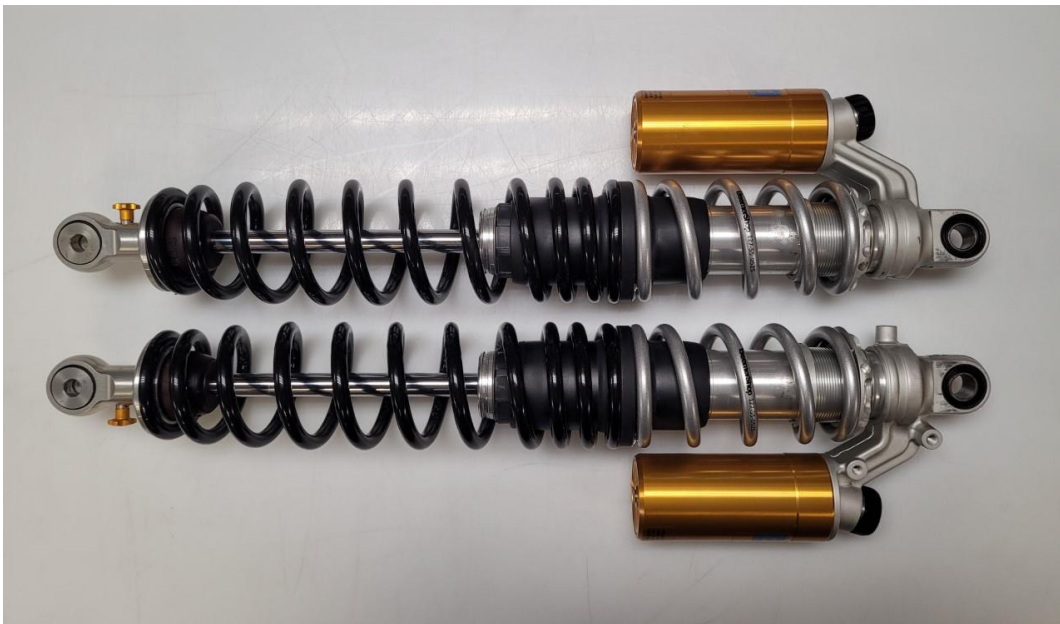


PICTURE 18



PICTURE 19

16. Congratulations, the spring installation is now completed.



17. Install the plastic safety cover on the left shock piggyback. Mount the shocks on the motorcycle per the instructions in the shop manual.

18. Set your RIDER SAG to 30% of your suspension travel (75mm).