

## Honda Tractive Shock Level 1, 1b, 2 and 3

### Pre Load Adjustment (RRP 431,454, 433 and 443)

1. Mount bike on suitable centre stand so that the rear wheel is suspended off the ground slightly.



2. Put a piece of tape on the left side of the bike as shown.



3. Using a tape measure, measure from the edge of the tape down to the underside of the rear wheel spindle. Make a note of this measurement.

**MEASUREMENT A:** .....



4. With bike removed from stand, re-measure the previous distance with rider on bike and feet on footrests so no rider weight is on the ground. (It is preferable to do this whilst gently leaning the bike against a wall using the handlebar end in order to keep the bike upright)

**MEASUREMENT B:** .....



5. Rider sag is calculated as the difference between the first measurement and the second measurement and should be in the range recommended in table below. It is not just dependant on rider weight but also passenger weight and any luggage load to be carried.  
If it is not within the range follow instructions below to add or remove pre-load.

**STATIC SAG (MEASUREMENT A – B)**

**LEVEL 1 AND 1b 35mm +/- 8mm**

**LEVEL 2 AND 3 50MM +/- 8mm**

6. Using an 8mm Allen Key remove both M8 screws that hold the left hand cast footrest hanger to the frame. Unclip plastic side panel peg from hole in footrest hanger and remove hanger from bike.



7. Once hanger is removed, wash debris from locking ring on top of shock spring and spray with a light oil (WD-40 or ACF 50)



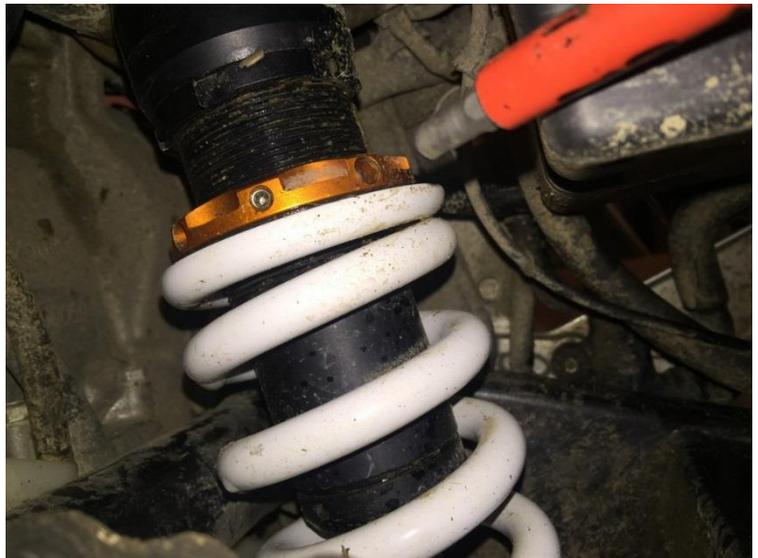
8. It may be necessary to use a small screw driver or pin to clean any dirt that has accumulated in the locking grub screw located in the side of the locking ring.



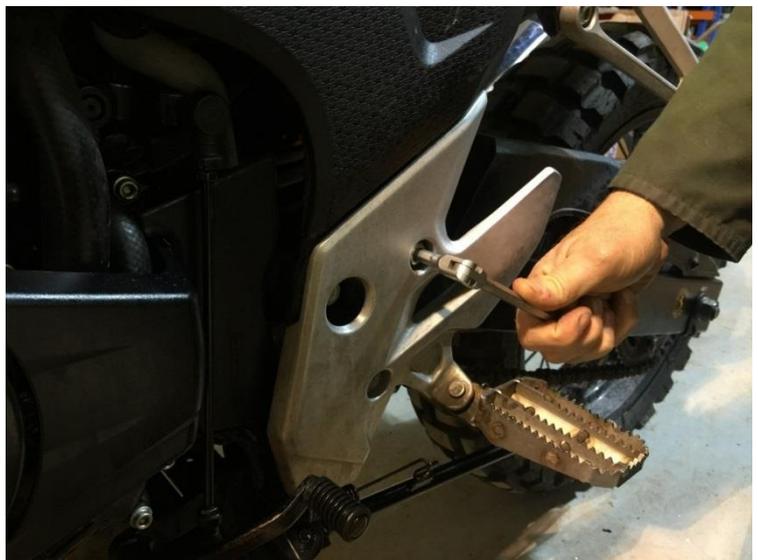
9. Using a 2.5mm hex bit, supplied inside top of handle of Tractive Tool, undo grub screw 4 turns anti-clockwise.



10. Using 6mm diameter pin tool supplied , insert into holes in locking ring and rotate locking ring clockwise or anticlockwise one hole at a time ( clockwise to increase preload and anticlockwise to decrease preload.) Any Adjustment has to be in increments of one full turn of the locking ring so that the locking screw returns to its original position. Using 2.5mm hex bit retighten locking grub screw.



11. Re fit foot rest hanger using both M8 screws and tighten to 26Nm.



12. With bike removed from stand, re- check static sag with rider on bike and feet on footrests so no rider weight is on the ground. (It is preferable to do this whilst gently leaning the bike against a wall using the handlebar end in order to keep the bike upright)



13. If static sag is outside of preferred limits then repeat steps 6-11 until sag is correct