

KTM 790 / 890 & R Adventure & Husqvarna 901 Norden mounting guidelines for:
Kit # SUB 3550-01R:

1. It is essential to use **Blue Loctite** or an equivalent thread locking agent on all these bolts.
2. View all the pictures first, to get an idea of the concept of what is being described.
3. **Remove the stock steering stabilizer!!** Using both together could be dangerous.
4. This kit raises the bars 25mm and forward 4.5mm, normally an improvement to this bike, but be aware before starting.
5. Remove the black plug just behind the triple clamp and in front of the tank to uncover the threaded hole in the frame.
6. The frame bracket is a “2-piece” design, you will slide the base piece on first, note there is a slot in this part that matches the frame plate in front of the tank. Slide the base plate on until the hole aligns with the part. See photo.
7. Install the 8x25mm Allen bolt provided, into the base plate and torque the bolt using Loc-tite, to 24 ft. lbs.
8. Next, Install the upper half of the frame bracket, using Loc-tite again, which will bolt to the lower half you just installed, using the (2) 6x20 Allen bolts provided.
9. Install the tower pin into this finished frame bracket, apply small amount of grease on the shaft of the tower pin as it’s important to keep it greased and free to float. This insures proper alignment of tower pin to linkarm.
10. Remove the 4 bolts that hold your handlebars tight. Lay the bars forward out of the way. Wrapping the bars in a towel is helpful to prevent any scratching of your cosmetic parts while this installation is performed.
11. Remove the stock lower perches from the triple clamp by removing the Torx/Allen’s and tapping on the perches.
12. Install the new Rubber SUB mount assembly into the **middle hole** in your triple clamp, **you must use the center hole** or the tower pin will not align properly to the stabilizer. Follow the separate sheet included for assembling the rubber sub mount to the upper triple clamp. Torque the 10x35 Allen bolts provided, to 30-32 ft. lbs., using Loc-tite again.
13. Install the Scotts Steering Stabilizer using (2) 6x20 Allen bolts supplied, aligning the tower pin into the link-arm slot. Do not allow the tower pin to make contact with the bottom of the stabilizer. The tower pin should stick through the link arm only slightly, 1-2mm, so as the rubber sub mount flexes, the link arm is guided freely during upward and downward movement. If the tower pin makes contact with the stabilizer it can damage the stabilizer.
14. Install the new lower bar perches to the Sub base assembly and tighten the 8x45mm Hex head bolts, with washers, to 18-20 ft. lbs., using Loctite again.
15. Install handlebars and tighten the top bar clamps, using the 8x35mm bolts supplied, so the gap between the perches is even, and tighten to 24-26 ft. lbs. of torque. Be sure you route the cables as they were when you removed the bars.
16. Turn the bars full lock left to right and be sure nothing is binding and that, the cables are free to move and not binding.
17. Start the bike and slowly turn the bars again to full lock to insure the cables are free to move and not binding.
18. It will be necessary to remove the key from the gas cap once opened, in order to open it fully to refuel.
19. The stabilizer has 3 fully adjustable valving systems. Start with softer settings and work up to where you like it.
20. See your owner’s manual for “How to” adjust the stabilizer initial settings.
21. If you have any questions, please feel free to call us.



Remove the bars and lay forward in a towel. Remove the frame plug to uncover the 8mm hole.



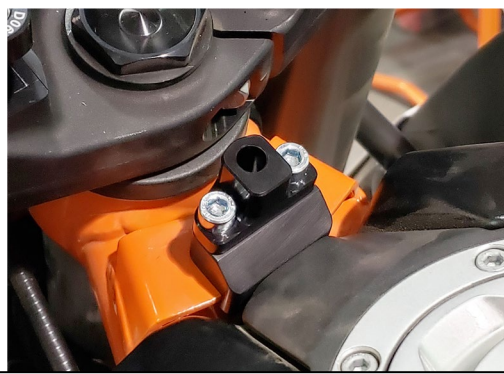
Right: shows both frame bracket parts.
Left: shows the assembled frame bracket.
Parts are silver to help show you detail.



Slide the base plate onto the frame matching up the 8mm hole



Bolt the lower half of the frame bracket to the 8mm hole in front of the tank



Bolt the upper half of bracket to lower half using 6x20 bolts provided



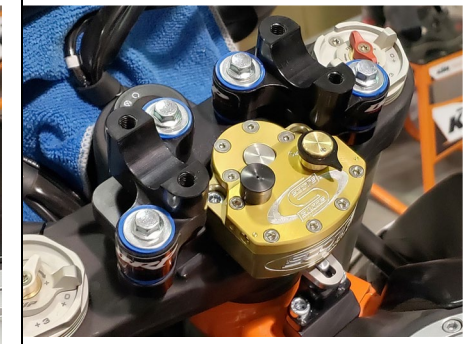
Install the tower pin with grease on the shaft. Remove the stock lower handlebar perches. Use the center hole for installing baseplate



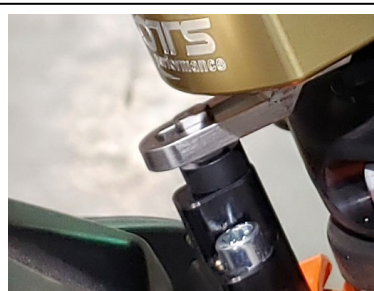
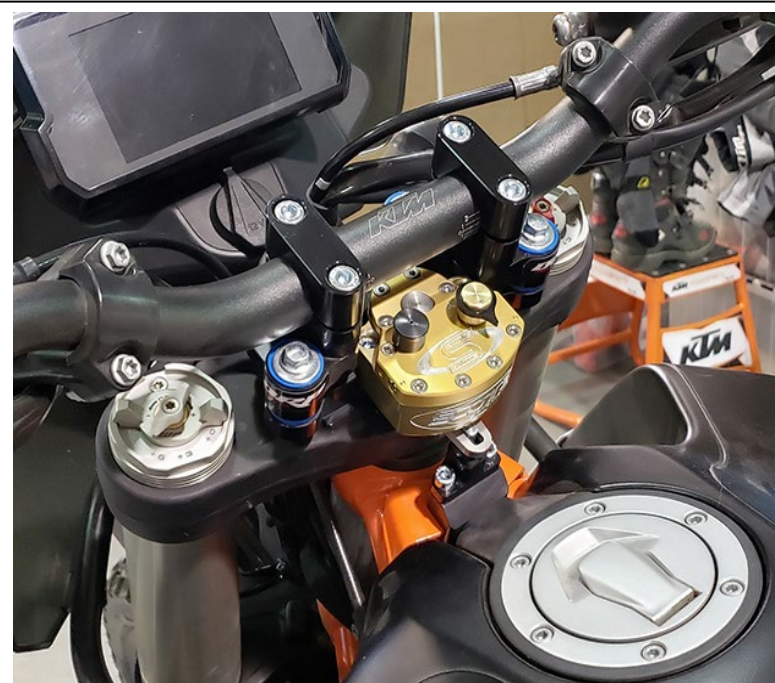
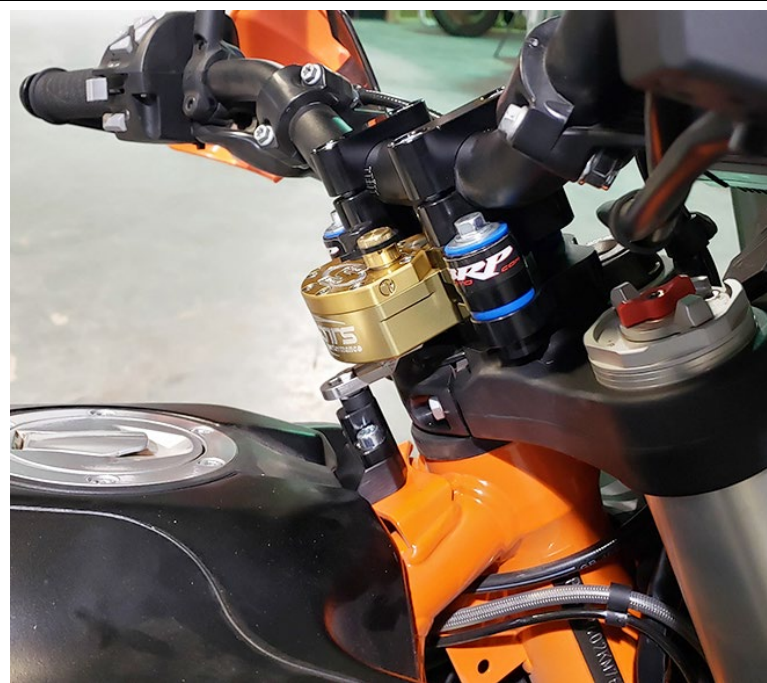
Install the SUB mount base plate to the middle set of holes in your triple clamp



Install the stabilizer making sure the tower pin is aligned as you see in the picture.



Install the new lower handlebar perches as per the separate instructions for this step.



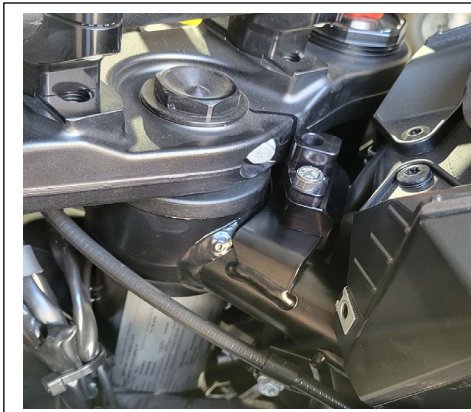
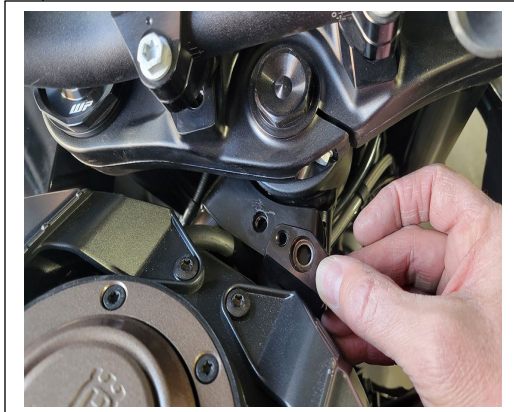
Finished kit with linkarm and tower pin properly aligned. Lower left shows gas cap open, ready to refuel with key out. Lower center is correct tower pin height installed.

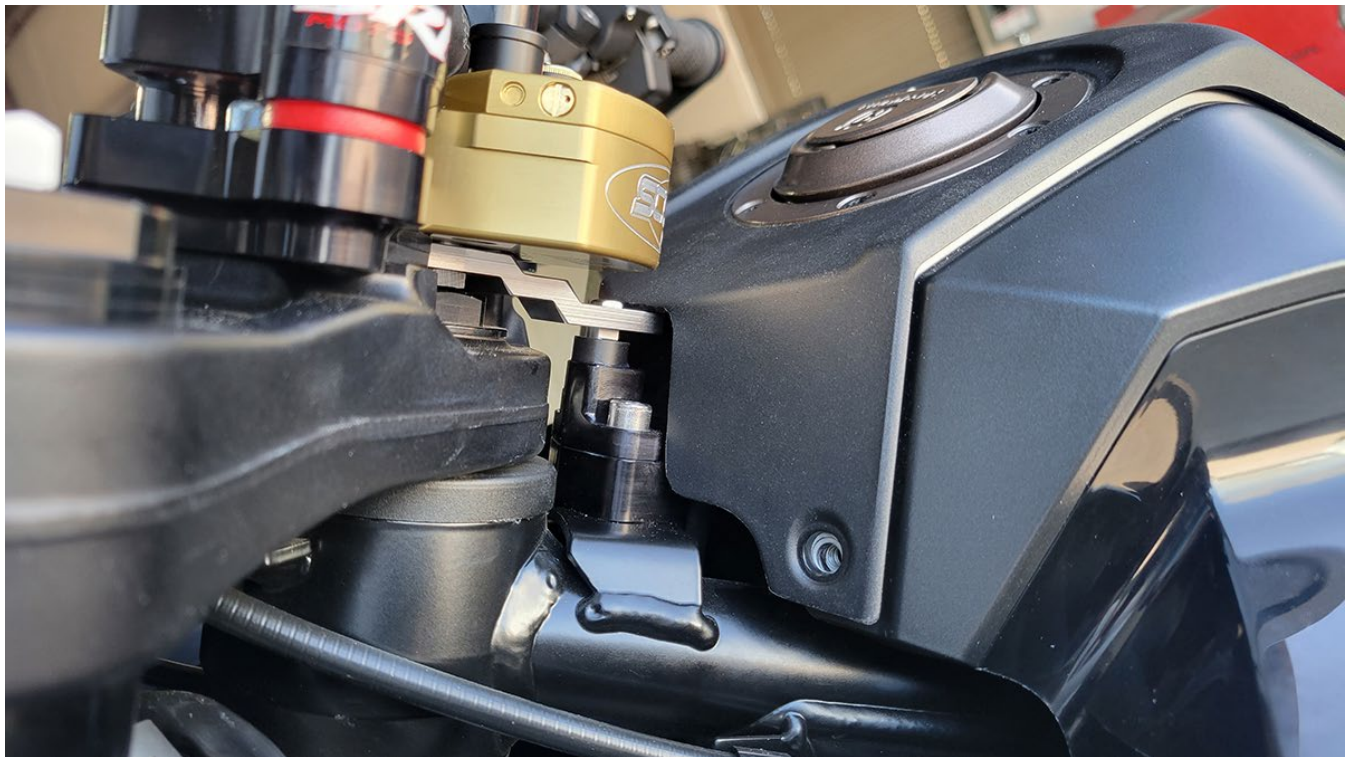
Husqvarna 901 Norden additional instructions:

Remove the seat / slide the rear shroud back / remove the forward tank shroud



Remove the seat to access the bolts holding on the tank shroud. Remove the rear shroud first, exposing the 4 shroud bolts. Remove the forward tank shroud. Install the Frame bracket as per the pictures above and below. You will need to trim the forward tank shroud for clearance. Using the diagram shown below, cut a section of the shroud. Using a Dremel or hot knife makes this simple. Use anything you find suitable to cut plastic. The cut will be 1.5" wide & run up to the top seam in the shroud. Use some 400 grit wet sand paper to finish the edges.





Above shows the finished shroud cut to fit around the frame bracket tower and link arm. Below shows the finished kit, installed properly and tucked into nicely to the frame.

