



### MINI X-Brace Install Instructions

<b>Parts Supplied</b>	One X-Brace
<b>Tools Required</b>	½" ratchet, 16mm thin-wall deep socket (6pt preferred), torque wrench

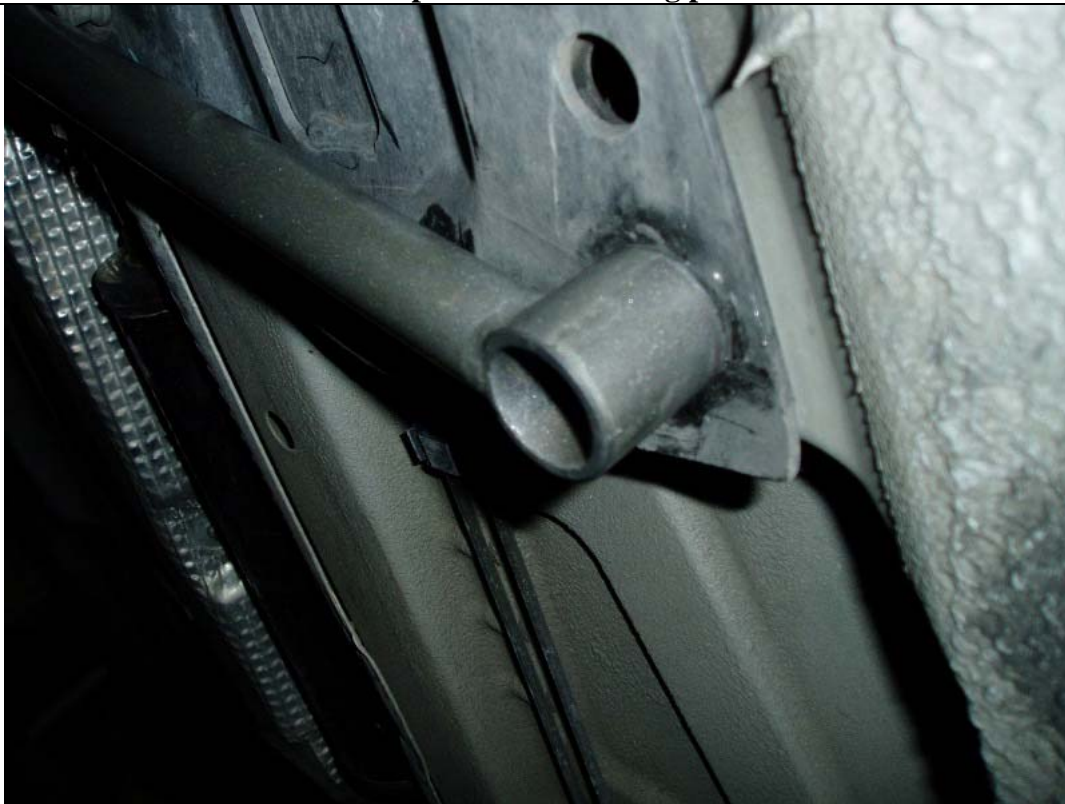
**Step 1** – Begin by jacking up the front of the car and placing it on jack stands. Make SURE that the car is completely stable, the emergency brake is set, the rear wheels chocked, etc. Do not get under the car until you are certain it is stable.

**Step 2** – Hold the X-brace in place and note the mounting points. The easiest way to do this is to locate the rear control arm bushing mounts (the 'lollipops') and hold the brace in position. NOTE: The New TSW X-Brace has "L" bracket mounts instead of the original collars (see final picture). However the actual installation is the same.





**Close-up of front mounting point.**



**Location of rear mounting point.**

**Step 3** – Remove the 2 front and 2 rear mounting bolts. Note the front bolts are M12 and have a larger washer; the rear bolts are M10.

**Step 4** – Start each bolt by hand then snug by hand. Follow this by tightening using a ½” ratchet for pre-torquing (not too tight though!). Torque the control arm bushing bracket bolts to 44 ft/lbs + 90 degrees. The rear subframe bolts should be torqued to 74 ft/lbs.



**Final installed position.**



**New TSW X-Brace "L" Bracket Mounts.**