

# **Installation Instructions**



### Part # 85000013 - Upper Shock Mount Removal/Installation Tool









**Upper Shock Mount Removal/Installation Tool** 

### **Installation Instructions**

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IT IS VERY IMPORTANT TO NOT DAMAGE THE SHOCK SHAFT DURING REMOVAL AND INSTALLATION OF THE UPPER MOUNT. DAMAGE TO THE SHOCK SHAFT WILL DAMAGE INTERNAL PARTS OF THE SHOCK.

THE TORQUE SPEC OF THE UPPER MOUNT IS VERY CRITICAL.



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#### Installation Instructions



### **Upper Mount Removal**



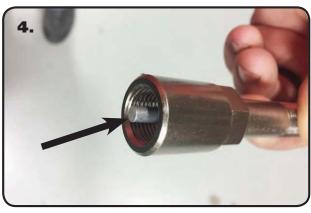
**1.** If on a CoilOver, remove the CoilSpring. If changing the Upper Mount on a ShockWave, push the AirSpring down the shock shaft to expose it. Insert the long side into a vise leaving enough room for the Shock to hang beside it. Clamp the Tool on the shock shaft below the Eyelet/Stud, shown in **Image 1**. It needs to be spaced down below the Upper Mount approximately 1". Torque the Nuts of the 2 clamp Bolts evenly to 50 ftlbs.



**2.** Using a Propane torch, or similar heat source, heat the Eyelet from the bottom side. Concentrate the heat in the area where the shaft goes into the eyelet. If you are removing an Adjustable Eyelet, apply heat to the side opposite of the knob.



**3.** While heating the eyelet, insert a rod through the bearing in the eyelet. If you are removing a stud top, use a 3/4" wrench. Use the rod/wrench to put pressure on the eyelet as if you were trying to thread it off of the shaft. Keep putting pressure on the eyelet as you heat it until it breaks free. Thread the eyelet off the shaft. **CAUTION: THE EYELET WILL BE VERY HOT.** DO NOT REMOVE THE TOOL, IT WILL BE USED TO INSTALL THE NEW UPPER MOUNT.



**4. If installing a Stud Top:** Check inside the stud top to verify the short aluminum adjuster rod is installed in the center of the stud top. If the rod is not in the stud top, the shock can not be adjusted. **Image 4** illustrates the rod sticking out of the bottom of the stud top. If it is hanging out, push it into the stud top.



## **Installation Instructions**



### **Upper Mount Installation**



**5.** If installing an Eyelet: Check the center of the threaded hole to make sure the adjuster is threaded in far enough. You should see a small shaft going completely across the hole. You should not see any of the adjuster threads hanging out into the hole. These threads would be on the opposite side of the adjuster knob. If threads are exposed, thread the adjuster in by turning it clockwise.



**6.** Clean the threads of the shock shaft. **Use Surface Prep Primer on both surfaces to be bonded.** Allow both surfaces to completely dry.

#### **Recommended Surface Prep.**

Vibra-tite Excel Primer 611



**7.** Apply Red Threadlocker to the threads of the SHOCK SHAFT. DO NOT APPLY THREADLOCKER TO THE THREADS OF THE UPPER MOUNT, it can get into the adjuster and lock it up. MAKE SURE YOU DO NOT GET THREADLOCKER ON THE END OF THE SHOCK SHAFT IN THE AREA OF THE ADJUSTER ROD.

#### Recommended Threadlocker.

Vibra-tite Threadlocker 137

**8.** With the Tool still clamped on the shaft, thread the new upper mount onto the shock shaft. Use a Crows Foot on a Torque Wrench to tighten the new Upper Mount. The mount should be tightened to correct torque for the mount you are installing. See Torque Specifications below.

#### **Torque Specifications:**

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Eyelet: 35 ftlbs Stud Top: 50 ftlbs

### PROPER TORQUE IS CRITICAL TO PROPER FUNCTION OF THE SHOCK.

**9.** After tightening the upper mount, turn the Adjuster Knob to make sure it turns freely. The Upper Mount is too tight if it doesn't turn or is very tight to turn.

