

# VCC13

THIRTEEN



## **REAR LOWER CONTROL ARMS INSTALLATION INSTRUCTIONS:**

**2013-UP SCION FRS & SUBARU BRZ ZN6 ZC6  
2008-2012 SUBARU WRX & STI GR GV  
2015+ SUBARU WRX & STI GJ**

### **PART NUMBERS:**

**LOSC-0100**

**LOSU-0100**

We recommend that installation of all Voodoo13 parts be completed by a professional who is experienced in suspension tuning. With proper installation and maintenance, Voodoo13 suspension products will provide exceptional performance and durability. For any questions, please contact Voodoo13 immediately. We thank you for choosing Voodoo13 for your suspension tuning needs!

### NEED HELP?

Our representatives are here to help you with any questions concerning the operation of this product.

**CALL 480-889-0812**

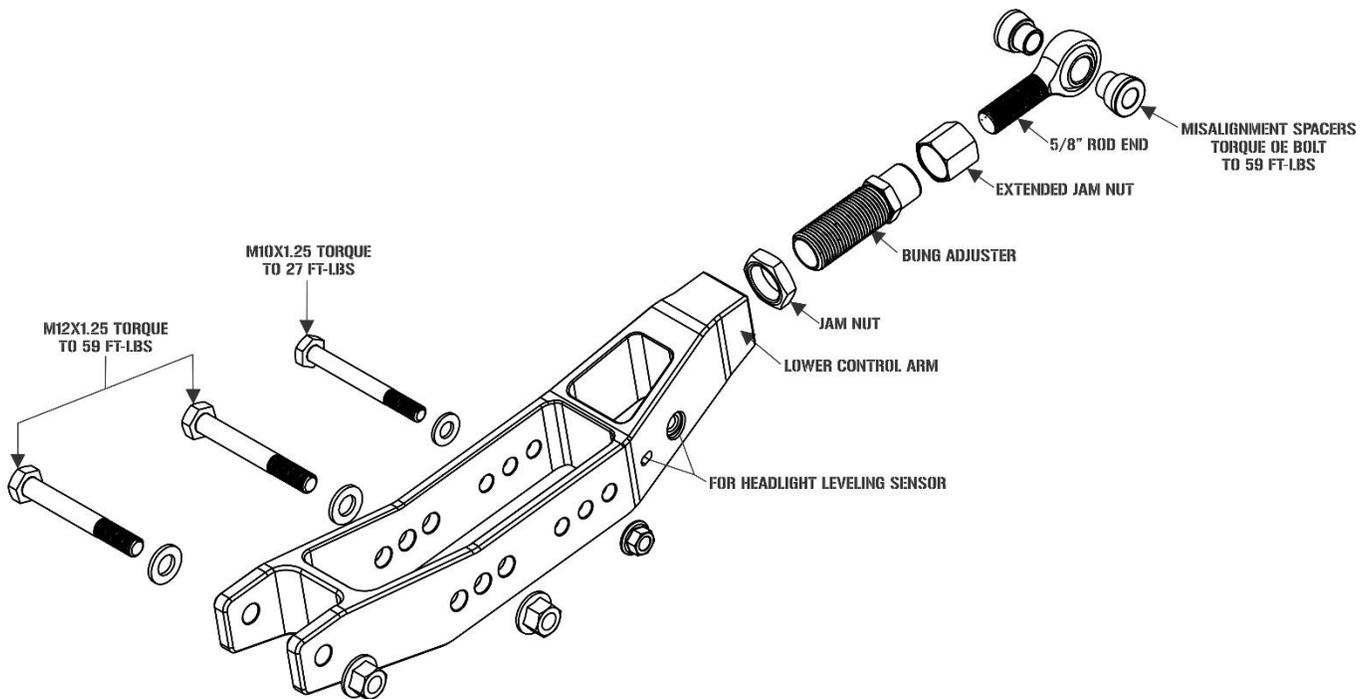
Monday thru Friday 8:30am to 5:30pm MST

## RECOMMENDED TOOLS AND SUPPLIES

- General Mechanics Tool Set

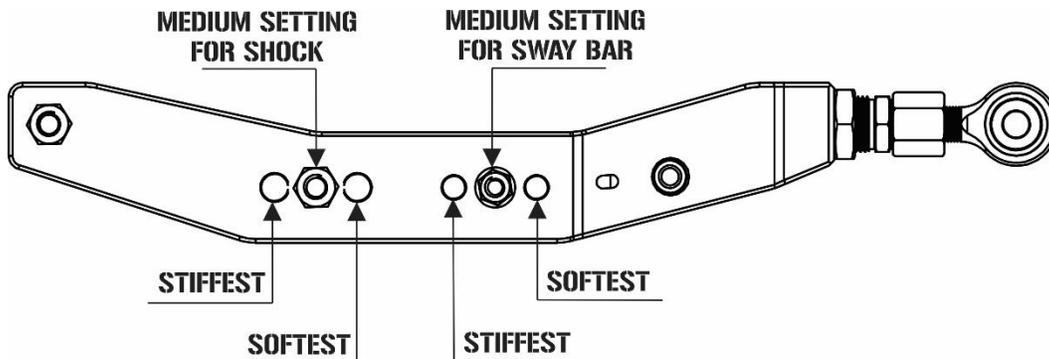
## PART BREAKDOWN

NOTE: For any OE hardware please refer to OEM service manual for torque specifications. For all included hardware please torque to specifications shown below.



## INSTALLATION PROCEDURE

- Step 1:** Lift the vehicle to a safe height using the recommended factory lift points to work underneath the rear suspension. Ensure to place safety jack stands where recommended by the manufacturer before anyone goes underneath the car (unless using a vehicle lift with safety locks).
- Step 2:** Remove the rear wheels. Then begin removing the 12mm bolt holding the shock and the 10mm bolt for the endlinks from the lower arm.
- Step 3:** Remove the 12mm bolt on the knuckle side and the subframe side. Once removed, the new arm can be installed. The new arm must be used with the new hardware. The 12mm bolt used on the subframe side will be reused.
- Step 4:** The arm has a built in 18mm drop, with that drop an adjustable toe arm is recommended. The OE toe arm might run out of adjustment. Install the arm on the subframe side and torque to **59 ft-lbs**. Then use the new hardware and reinstall the bolts for the shock and endlink.



*There are 3 mounting holes for the shock and endlink. The 3 mounting holes allow adjustable leverage to change the effectiveness on the shock and swaybar.*

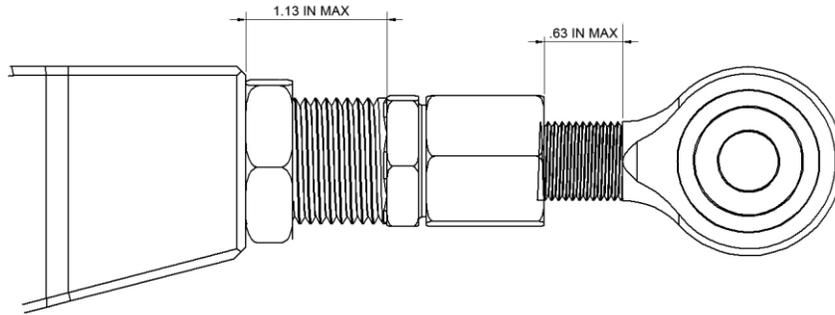
Torque the 12mm supplied bolt in the shock location to **59 ft-lbs**. Then torque the 10mm supplied bolt in the endlink location to **27 ft-lbs**. Last part of the installation, slip the end of the arm onto the knuckle and torque the new supplied 12mm bolt to **59 ft-lbs**.

- Step 5:** Referencing the next page, make the desired camber adjustments and ensure the jam nuts are secure.
- Step 6:** Reinstall the wheels and lower the vehicle safely back to the ground and perform a vehicle alignment. You are finished!

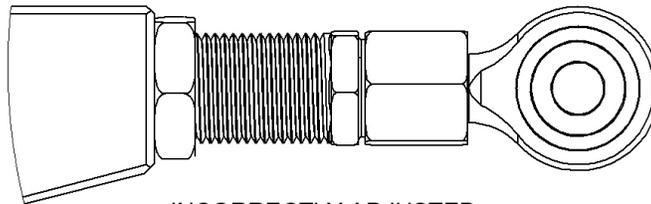
**NOTE:** The LCA has been revised to adapt the factory equipped models that included automatic leveling sensors.

# ROD END ADJUSTMENT GUIDELINES

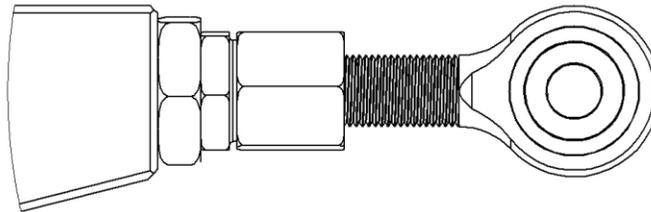
When adjusting rod end to desired position, adjust so that the rod end and adjuster have approximately the same amount of thread showing. Always use the jam nuts to secure the rod end and adjuster. Never tighten the rod end into the adjuster or the adjuster in the lower control arm as a jamming mechanism.



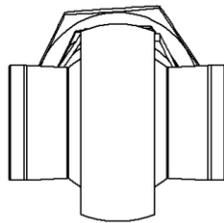
CORRECTLY ADJUSTED



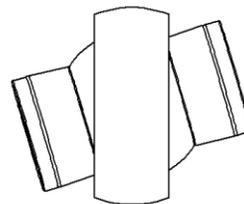
INCORRECTLY ADJUSTED  
INSUFFICIENT THREAD ENGAGEMENT ON ADJUSTER



INCORRECTLY ADJUSTED  
INSUFFICIENT THREAD ENGAGEMENT ON ROD END



CORRECTLY POSITIONED



INCORRECTLY POSITIONED  
TOO MUCH STATIC ROD END MISALIGNMENT

## WARRANTY

All products sold are subject to the following warranty:

Voodoo13 offers a Limited Lifetime Warranty for our products to the original retail consumer against defects and workmanship when used on light truck and car applications under normal operating conditions. This warranty does not apply to parts that have been improperly installed or wearable items such as, but not limited to, worn bushings or bearings unless proven to be defective from the manufacturer.

Exterior finish on all Voodoo13 products is not considered a valid warranty; consumers are responsible for the maintenance of paint, anodize or raw metal finish.

The consumer will be responsible for the removal and freight costs both to and from the Distributor from which the product was originally purchased. Proof of purchase and product registration through the Voodoo13 website is mandatory in order to receive warrantee replacement; original invoice from the Distributor from which the product was purchased must accompany the product in question for warrantee.

Voodoo13 has the right to refuse a warrantee claim if procedures are not met by the original consumer. All returns must have an R.M.A. approval from Voodoo13 prior to shipping direct to the Voodoo13 facility. Exclusions from this warranty are sales outside of the United States, the finish, dents, rust, or any condition caused by abnormal use or neglect.

### WARNING

High performance parts. For off-road use only. Installation should be carried out by a qualified facility. Improper use or installation may result in injury or death.



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