

PART #	DESCRIPTION
22038	18-UP WRANGLER JL / 20-UP GLADIATOR CENTERLINE STEERING STABILIZER

COMPONENTS INCLUDED	
(1) 124917 18-UP JEEP JL CENTERLINE STEERING STABILIZER	(1) 297203 40MM BILLET CLAMP
HARDWARE INCLUDED	
(4) 605056 1/4-20 X 1.75 BOLT (1) 605813 M14 FLAT WASHER	(1) 605864 M14 X 1.5 X 80MM BOLT
TOOLS REQUIRED	
DRILL 25/64" DRILL BIT TORQUE WRENCH 3/16" ALLEN WRENCH	9/16" SOCKET / WRENCH 13MM SOCKET / WRENCH 18MM SOCKET / WRENCH 21MM SOCKET / WRENCH
TECH NOTES	
1. AFTER INSTALLATION, CYCLE STEERING TO ENSURE FULL RANGE OF STEERING IS ACHIEVABLE WITHOUT BINDING AND STABILIZER IS INSTALLED PROPERLY.	



WARNING!
<p><b>** READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED SEVERE FRAME, SUSPENSION AND TIRE DAMAGE MAY RESULT TO THE VEHICLE!</b></p> <p><b>** ICON VEHICLE DYNAMICS RECOMMENDS THAT YOU EXERCISE EXTREME CAUTION WHEN WORKING UNDER A VEHICLE THAT IS SUPPORTED WITH JACK STANDS.</b></p> <p><b>** ICON VEHICLE DYNAMICS RECOMMENDS ALL INSTALLATION TO BE PERFORMED BY A PROFESSIONAL SHOP/SERVICE TECHNICIAN. PRODUCT FAILURE CAUSED BY IMPROPER INSTALLATION WILL NOT BE COVERED UNDER ICON'S WARRANTY POLICY.</b></p>

## INSTALLATION

1. Place the vehicle on a flat surface, verify that the transmission is shifted into PARK, firmly apply the emergency brake, and place wheel chocks on both sides of the tires. The wheels do not need to be removed for installation.
2. Remove the stabilizer axle bracket. Remove the (3) mounting bolts using a 13mm. [FIGURE 1]

FIG.1



FIG.2



3. Remove the stabilizer bracket from the tie rod using an 18mm. [FIGURE 2]

**4. Remove the track bar bolt using a 21mm. [FIGURE 3]**

**FIG.3**



**FIG.4**

**5. Install the steering stabilizer track bar bracket using the supplied 14mm bolt. Hold the bracket straight and tighten the bolt using a 21mm. [FIGURE 4]**

**6. Using the hole in the bracket as a drill template, drill a hole in the track bar mount using a 25/64" drill bit. [FIGURE 5]**

**FIG.5**



**7. Install supplied 3/8" hardware using a 9/16". Torque 3/8" hardware to 35 ft-lbs using a 9/16". Torque track bar bolt to 160 ft-lbs using a 21mm.**

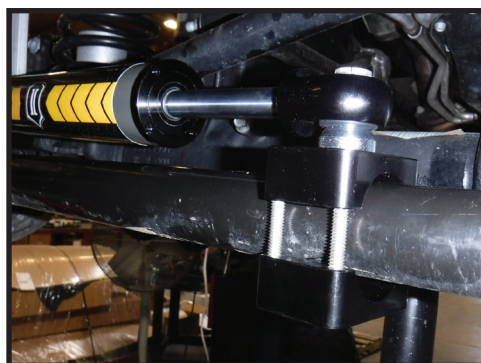
**8. With the steering wheel centered, make sure that the stabilizer has an equal amount of shaft showing on each side. It is critical that the steering wheel is centered for this to ensure proper positioning on the tie rod. [FIGURE 6]**

**FIG.6**



**9. With the tie rod clamp positioned, use the supplied 1/4-20 x 1.75 screws. Make sure the bottom of the clamp is parallel to the ground. Torque to 8 ft-lbs using a 3/16" allen. [FIGURE 7 & 8]**

**FIG.7**



**FIG.8**



**VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.**

**RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.**

## 2.0 ALUMINUM SERIES TECHNICAL INFORMATION

### MAINTENANCE

ICON shock absorbers are a high quality rebuildable race style shock absorber designed for optimal performance. With a unit of this caliber on your vehicle, routine maintenance is required to keep them looking and operating in like new condition. Residual oil and assembly lube may be present at all seal paths from the factory out of the box and is considered normal. Pooling of oil however is not acceptable at any time and one should contact the ICON dealer where purchased.

**BELOW ARE GUIDELINES BASED ON HOW YOU USE YOUR VEHICLE BUT YOUR MILEAGE MAY VARY:**

#### **STREET USE:**

- Send in for factory servicing every 40,000 miles or if a leak develops, ride quality decreases, or they begin to make excessive noise.
- Remove any buildup of road salt, mud, or debris from shocks anytime accrued
- Clean with mild soap and water with each oil change or anytime you notice build up.
- Wax the cylinders yearly with automotive wax to prevent corrosion.

#### **STREET/DIRT:**

- Send in for factory servicing every 15,000 miles or if a leak develops, ride quality decreases, or they begin to make excessive noise.
- Clean with mild soap and water with each oil change, offroad trip, or anytime you notice build up.
- Wax the cylinders yearly with automotive wax to prevent corrosion.

#### **DIRT USE:**

- Send in for factory servicing every 1,000 miles.
- Remove any buildup of mud or debris from shocks after every outing.

#### **SELF-SERVICE:**

- Contact ICON for service kits & tools at (951) 689-4266.

### PRODUCT REGISTRATION

Please visit: <http://www.iconvehicledynamics.com/tech-support/registration/> to register your product.

### ICON VEHICLE DYNAMICS SHOCK ABSORBER WARRANTY

This shock absorber has a 1 year warranty against any manufacturer's defects. If a shock fails within the initial year of ownership, the shock must be shipped to ICON Vehicle Dynamics for inspection and service. If a shock is inspected and it has been determined the shock failed due to neglect, damage caused by improper installation or any other reason besides "normal wear and tear", the owner of said shock is responsible for all service costs. This includes labor, parts, and shipping.

ICON Vehicle Dynamics warrants to the original retail purchaser who owns the vehicle on which the product was originally installed. ICON Vehicle Dynamics does not warrant the product for finish, alterations, modifications and/or installation contrary to ICON Vehicle Dynamics instructions. ICON Vehicle Dynamics products are not designed, nor are they intended to be installed on vehicles used in race applications, for racing purposes or for similar activities. (A "race" is defined as any contest between two or more vehicles, or a contest of one or more vehicles against the clock, whether or not such contest is for a prize). This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warranty are sales outside of the United States of America and Canada.

ICON Vehicle Dynamics' obligation under this warranty is limited to the repair or replacement, at ICON Vehicle Dynamics' discretion, of the defective product. Any and all costs of removal, installation or re-installation, freight charges and incidental or consequential damages are expressly excluded from this warranty. Items that are subject to wear are not considered defective when worn and are not covered.

ICON Vehicle Dynamics components must be installed as a complete kit as shown in our current application guide. Any substitutions or exemptions of required components will immediately void the warranty. Some finish damage may happen to parts during shipping and is not covered under warranty.

This warranty is expressly in lieu of all other warranties expressed or implied. This warranty shall not apply to any product that has been improperly installed, modified or customized subject to accident, negligence, abuse or misuse.

To send a shock in for warranty please visit our website <http://www.iconvehicledynamics.com/tech-support/shock-service/>



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