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PART #	DESCRIPTION
22039	07-18 WRANGLER JK CENTERLINE STEERING STABILIZER

COMPONENTS INCLUDED	
(1) 124918 07-18 JK CENTERLINE STEERING STABILIZER	(1) 297200 1.375 BILLET CLAMP
HARDWARE INCLUDED	
(4) 605056 1/4-20 X 1.750 BOLT (1) 605137 3/8-16 X 1.000 BUTTON HEAD BOLT (1) 605443 9/16-12 X 4.500 BOLT	(1) 605450 9/16-12 C-LOCK NUT (2) 605455 9/16" FLAT WASHER (1) 605456 9/16" FLAT WASHER (THICK)
TOOLS REQUIRED	
TORQUE WRENCH 3/16" ALLEN WRENCH 7/32" ALLEN WRENCH	9/16" SOCKET / WRENCH 13/16" SOCKET / WRENCH 7/8" SOCKET / WRENCH 21MM SOCKET / WRENCH
TECH NOTES	
<p>1. AFTER INSTALLATION, CYCLE STEERING TO ENSURE FULL RANGE OF STEERING IS ACHIEVABLE WITHOUT BINDING AND STABILIZER IS INSTALLED PROPERLY.</p> <p>2. IF USING A HEAVY DUTY 1-5/8" AFTERMARKET TIE ROD, OVERSIZED CLAMP KIT (PN: 614525) MUST BE USED.</p>	



**WARNING!**

**\*\* 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!**

**\*\* ICON VEHICLE DYNAMICS RECOMMENDS THAT YOU EXERCISE EXTREME CAUTION WHEN WORKING UNDER A VEHICLE THAT IS SUPPORTED WITH JACK STANDS.**

**\*\* 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.**

## INSTALLATION

- 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.
- Remove the track bar bolt using a 21mm. (The track bar relocation bracket shown applies to 4.5" and taller lifts) [FIGURE 1]

FIG.1



FIG.2



- If ICON track bar relocation bracket is used, replace the driver side 3/8" bolt with the supplied 3/8" button head bolt. This is to allow additional clearance for the stabilizer as the steering cycles. [Torque to 30 ft-lbs using a 7/32" allen and a 9/16"] [FIGURE 2]

4. Use the supplied 9/16-12 x 4.5 to mount the stabilizer to front of the track bar mount. The supplied (thick) 9/16" washer is used to account for the thickness of the ICON track bar relocation bracket. [Torque to 150 ft-lbs using a 13/16" and 7/8"] [FIGURE 3 & 4]

NOTE: If using the ICON track bar relocation bracket, the long heim spacer mounts to the track bar relocation bracket. If NOT using the ICON track bar relocation bracket, place the 9/16" thick washer between the long heim spacer and the track bar mount.

FIG.3

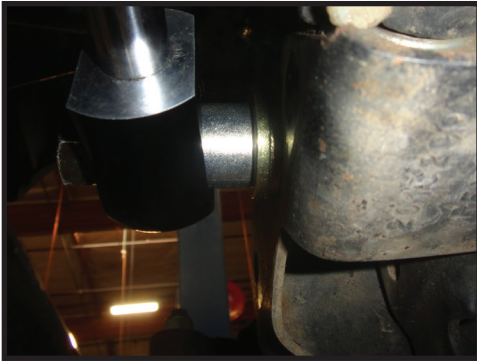
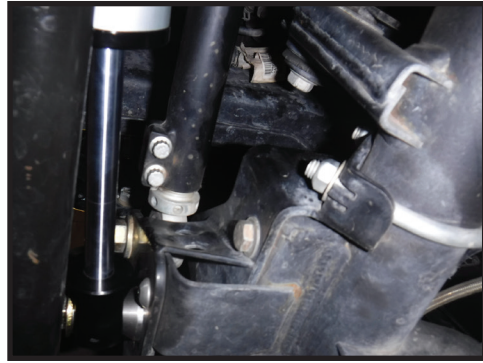
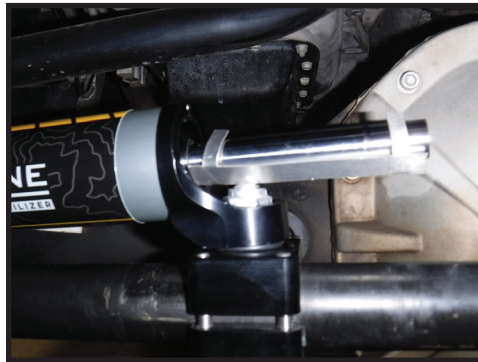


FIG.4



5. Use the supplied shaft gauge to locate the stabilizer on the tierod. It is critical that the steering wheel is centered for this to ensure proper positioning on the tie rod. [FIGURE 5]

FIG.5



6. 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 6 & 7]

FIG.6



FIG.7



**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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PERFORMANCE SUSPENSION SYSTEMS AND SHOCK ABSORBERS

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