

PART #	DESCRIPTION
54000T	2007-UP FJ/4RUNNER TUBULAR LOWER TRAILING ARM KIT

COMPONENTS INCLUDED	
(1) 154400 07-UP FJ/4RUNNER TUBULAR LOWER TRAILING ARM (DRVR)	(1) 154401 07-UP FJ/4-RUNNER TUBULAR LOWER TRAILING ARM (PASS)
HARDWARE INCLUDED	
(2) 127005 HEIM SPACER JM16 X .570 X 2.625 (2) 157430 HEIM SPACER JM16 X .570 X 2.075 (2) 295510 JM16-1T 1-14 RH ROD END F1 FIT	(2) 297102 GREASELESS PRESS IN BUSH 2.135 X 14.3MM X 58.85MM (2) 605920 1-14 JAM NUT
TOOLS REQUIRED	
JACK JACK STANDS TORQUE WRENCH	1.5" OPEN END WRENCH 12MM SOCKET / WRENCH 19MM SOCKET / WRENCH 21MM SOCKET / WRENCH
TECH NOTES	
<p>1. DO NOT EXCEED 3.5" FROM LINK FACE TO CENTERLINE OF ROD END.</p> <p>2. BUSHINGS ARE GREASELESS AND DO NOT REQUIRE MAINTENANCE.</p> <p>3. LOWER ARMS MOUNT SO THAT THE REAR BUSHING HOUSING IS TANGENT WITH THE TUBE ON BOTTOM. IF MOUNTED UPSIDE DOWN, LINK TUBE WILL BIND ON AXLE HOUSING.</p>	



WARNING!
<p>** 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!</p> <p>** ICON VEHICLE DYNAMICS RECOMMENDS THAT YOU EXERCISE EXTREME CAUTION WHEN WORKING UNDER A VEHICLE THAT IS SUPPORTED WITH JACK STANDS.</p> <p>** ICON VEHICLE DYNAMICS RECOMMENDS ALL INSTALLTION TO BE PERFORMED BY A PROFESSIONAL SHOP/SERVICE TECHNICIAN. PRODUCT FAILURE CAUSED BY IMPROPER INSTALLATION WILL NOT BE COVERED UNDER ICON'S WARRANTY POLICY.</p>

## INSTALLATION

1. Using a properly rated jack, raise the rear of the vehicle and support the frame rails with jack stands. Ensure the jack stands are secure and set properly before lowering the jack. NEVER WORK UNDER AN UNSUPPORTED VEHICLE. Remove the rear wheels

**NOTE: REMOVE AND REPLACE ONLY ONE FACTORY LINK ARM AT A TIME.**

2. Lay ICON link arm over the factory link to set a starting point for adjustment (26.75").

3. Use the factory hardware to install the link arm on the axle end using a 19mm socket/wrench. [Torque to factory spec] [FIGURE 1 & 2]

FIG.1

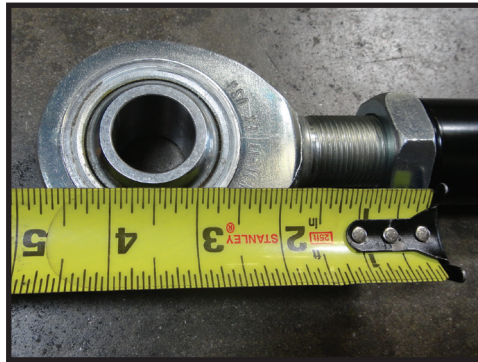


FIG.2



4. The pinion angle can be adjusted as desired once both links are installed. Do not adjust longer than 3.5". [FIGURE 3]

FIG.3



5. Connect the link to the frame using the factory hardware with the short spacer towards the inside of the vehicle. This will move the front link pivot points closer together on the frame to help correct roll-steer geometry on lifted vehicles. [FIGURE 4 & 5]

FIG.4



FIG.5



6. Tighten jam nut using an 1.5" open end wrench. [Torque to 200 ft-lbs] Make sure the rod end is vertical as it is tightened.

7. Tighten the front bolt on the lower link arm using a 19mm socket/wrench [Torque to factory spec]. Fasten emergency brake mount to the link arm with a 12mm socket/wrench using the factory hardware. [FIGURE 6]

FIG.6



8. Repeat steps on the opposite side.

9. Reinstall wheels and lower vehicle to the ground. [Torque to factory spec]

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

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