ICON Vehicle Dynamics 54100T Installation Instructions

Tubular Upper Trailing Arm Kit for 4Runner, FJ Cruiser & GX

Part number: 54100T

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54100T INSTALLATION INSTRUCTIONS

2-17-2020 REV.B

PART #	DESCRIPTION
54100T	07-UP FJ/03-UP 4RNR/03-UP GX TUBULAR UPPER TRAILING ARM KIT

COMPONENTS INCLUDED

(2) 154300 FJ/4RUNNER TUBULAR REAR LINK UPPER	

HARDWARE INCLUDED

(4) 157431 HEIM SPACER JM12 X .50 X 55MM (2) 295511 JM 12T ROD END F1 FIT	(2) 297103 GREASELESS PRESS IN BUSHING 2.135 X 12.2MM X 54.75MM (2) 605640 3/4-16 JAM NUT

TOOLS REQUIRED

JACK JACK STANDS TORQUE WRENCH	1.25" OPEN END WRENCH 17MM SOCKET / WRENCH 21MM SOCKET / WRENCH

TECH NOTES

1. DO NOT EXCEED 2.0" FROM LINK FACE TO CENTERLINE OF ROD END.

2. BUSHINGS ARE GREASELESS AND DO NOT REQUIRE MAINTENANCE.

3. THE ROD END CAN BE MOUNTED AT AXLE END OR FRAME END.

4. KDSS EQUIPPED VEHICLES WILL REQUIRE THE SYSTEM TO BE DEACTIVATED BEFORE INSTALLATION, AND REACTIVATED AFTER INSTALLATION IS COMPLETE. REFER TO FACTORY SERVICE MANUAL FOR MORE INFORMATION.



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

1. If your vehicle is equipped with Kinetik Dynamic Suspension System (KDSS), deactivate the system before performing ANY work to the vehicle. Refer to the factory service manual for information on how to deactivate this system. KDSS will need to be reactivated once the installation is complete.

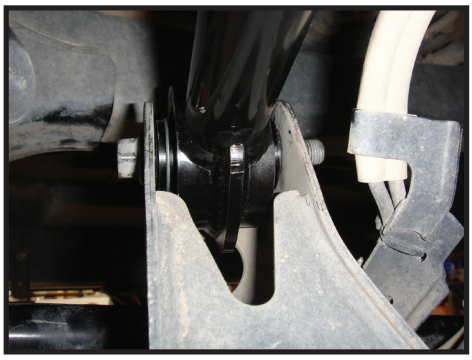
2. Using a properly rated jack, raise the rear of the vehicle and support the frame rails with jack stands. Ensure the jack stands are secure and set properly before lowering the jack. NEVER WORK UNDER AN UNSUPPORTED VEHICLE. Remove the rear wheels

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

3. Lay ICON link over the factory link to set a starting point for adjustment. The factory link length is 12.31".

4. Use the factory hardware to install the bushing side of the link to the axle mount using a 17mm socket/wrench. [Torque to factory spec] **[FIGURE 1]**

FIG.1



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5. The pinion angle can be adjusted as desired once both links are installed. Do not adjust longer than 2.0". **[FIGURE 2]**

FIG.2



6. Connect the rod end side of the link to the frame mount using the factory hardware. [Torque to factory spec] **[FIGURE 3 & 4]**

FIG.3





FIG.4

7. Tighten jam nut using an 1.25" open end wrench. [Torque to 120 ft-lbs] Make sure the rod end is vertical as it is tightened.

8. Tighten the front bolt using a 17mm socket/wrench. [Torque to factory spec]

9. Repeat steps on the opposite side.

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

VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.

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

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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.

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