ICON Vehicle Dynamics 64043 Installation Instructions

64043

Part number: 64043

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64043 INSTALLATION INSTRUCTIONS

12-30-24 REV.A

PART #	DESCRIPTION
64043	2023 RADIUS ARM SYSTEM

COMPONENTS INCLUDED

(1) 164059 2023 FSD RADIUS ARM DRIVER	(1) 164060 2023 FSD RADIUS ARM PASSENGER

HARDWARE INCLUDED

(1) 297078 ALIGNMENT CAM KIT: 2 M18 BOLTS, 2 M18 NYLOCK NUTS, 4 CAM WASHERS (2) 605820 M18-2.5 X 130MM HHCS GR10.9 YZINC	(2) 605832 M18 FLAT WASHER GR10.9 YZINC (2) 605833 M18X2.5 C-LOCK NUT CZINC

TOOLS REQUIRED

JACKS JACK STAND RATCHET EXTENSIONS TORQUE WRENCH	18MM SOCKET / WRENCH 21MM SOCKET / WRENCH 24MM SOCKET / WRENCH 27MM SOCKET / WRENCH

TECH NOTES

1. MINIMUM CASTER SETTING IS 2.6°.



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. Lift vehicle and securely place heavy duty jack stands under the manufacturer recommended lifting locations for the front of the vehicle. Take care when lifting the vehicle, and allow 3-4" of ground clearance from the tire. Remove front tires. NEVER WORK UNDER AN UNSUPPORTED VEHICLE. Remove the wheels/tires. **[FIGURE 1]**

2. Support axle housing and remove the shock using an 18mm for the lower bolt and a 21mm for the upper stem nut. **[FIGURE 2]**

FIG.1





FIG.2

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3. Remove the vacuum line clip from the radius arm using a clip removal tool, as shown. **[FIGURE 3]**

FIG.3



4. Support the radius arm and remove the frame side bolt using a 24 and 27mm wrench/socket. **[FIGURE 4]**

FIG.4



5. Remove the 2 bolts on the axle mounts using a 24mm. Remove the radius arm.

6. Install the new ICON radius arm into place, driver and passenger are not identical. The slotted hole goes on the bottom axle pivot for the cam bolt.

7. Use the suppled cam bolt kit as shown. **[FIGURE 5]**

FIG.5



8. Install the supplied M18 x 130mm bolt with 1 washer into the upper hole and mount. No washer on the inside as there is not enough room between the nut and the differential housing. **[FIGURE 6]**

FIG.6



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9. Install the radius arm into the frame pocket and use the OEM bolt and nut. **[FIGURE 7]**

FIG.7



10. Reinstall factory shock now in reverse order as removal. If Icon shocks are to be installed, reference those instructions now.

11. Reinstall wheels/tires, and lower vehicle back to the ground.

12. Torque the axle side bolts to 240 ft-lbs. Torque the frame pivot bolt to factory spec.

13. Reinstall the vacuum line (driver side) into the hole on the inside of the radius arm.

14. Get vehicle professionally aligned.

VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.

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

ICON VEHICLE DYNAMICS LIMITED LIFETIME WARRANTY

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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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