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PART #	DESCRIPTION
64041	05-UP RADIUS ARM SYSTEM

COMPONENTS INCLUDED	
(1) 164046 05-UP FSD RADIUS ARM DRIVER	(1) 164047 05-UP 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 (1) 605926-BLK 5-1/2 X 0.14 NYLON CABLE TIE, BLACK (1) 605985 CABLE TIE HOLDER, ADHESIVE MOUNT
TOOLS REQUIRED	
RATCHET EXTENSIONS TORQUE WRENCH 18MM SOCKET / WRENCH	21MM SOCKET / WRENCH 24MM SOCKET / WRENCH 27MM SOCKET / WRENCH
TECH NOTES	
<ol style="list-style-type: none"> <li>VEHICLES LIFTED OVER 4.0" WILL REQUIRE A RADIUS ARM DROP BRACKET KIT.</li> <li>FACTORY KNUCKLE ALIGNMENT CAMS RECOMMENDED.</li> <li>MINIMUM CASTER SETTING IS THE SAME AS FIXED OEM RADIUS ARM.</li> </ol>	



**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

- 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]
- 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



**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 supplied 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



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. If your truck has a vacuum line that runs the length of the radius arm, use the square cable tie adhesive mount (605985) and cable tie (605926) in the hardware kit to secure the line to the radius arm. [FIGURE 8]

FIG.8



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**

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.