

7929 Lincoln Ave. Riverside, CA 92504
 Phone: 951.689.ICON | Fax: 951.689.1016

PART #	DESCRIPTION
58452DJ	24-UP TOYOTA TACOMA TUBULAR UCA KIT

COMPONENTS INCLUDED	
(1) 154098 24 TUNDRA TUBULAR UCA DRVR	(1) 154099 24 TUNDRA TUBULAR UCA PASS
HARDWARE INCLUDED	
(8) 150026 WASHER 2.125 X .630 X .188 CZINC (4) 157560 SLEEVE 1.00 X 16MM X 2.310 CZINC (8) 297034 HAT BUSHING 1.625 X 1.000 X .850 (4) 297042 POLY RING 1.590 X 1.005 X .250 (2) 297166 DELTA JOINT PRO TUBULAR UCA DUST COVER	(2) 605800 M6-1.00 FLANGE NUT DR10.9 YZIC (2) 605862 M6-1.00 X 25MM SHSS 18-8 RAW (8) 605002 6-32 X 0.500 SHCS 18-8 RAW (2) 605890 M14 FENDER WASHER 36MM OD (1) 605969 VIBRATITE RED 2ML BULLE
TOOLS REQUIRED	
JACK JACK STANDS #2 PHILLIPS SCREWDRIVER BODY CLIP REMOVAL TOOL SMALL FLAT BLADE SCREWDRIVER NEEDLE NOSE PLIERS TORQUE WRENCH	10MM SOCKET / WRENCH 12MM SOCKET / WRENCH 19MM SOCKET / WRENCH 22MM SOCKET / WRENCH 3/8 12-PT
TECH NOTES	
<p>1. ICON DELTA JOINTS ARE PRE-GREASED FROM THE FACTORY. ICON RECOMMENDS GREASING THE DELTA JOINT EVERY 3,000 MILES (OR EVERY OIL CHANGE). ADD NEW GREASE UNTIL ALL OF THE OLD GREASE IS EXPELLED FROM THE BOTTOM OF THE DELTA JOINT ASSEMBLY, WIPE AWAY EXCESS WITH A RAG OR SHOP TOWEL.</p> <p>2. ALL ICON UPPER CONTROL ARMS HAVE BEEN ENGINEERED TO ALLOW FOR THE MOST POSSIBLE CASTER, WHILE STILL ALLOWING THE VEHICLE TO BE PROPERLY ALIGNED. NOTIFY YOUR PROFESSIONAL ALIGNMENT SHOP OF THIS INFORMATION SO THAT MAXIMUM RIDE QUALITY CAN BE ACHIEVED.</p> <p>3. ESTIMATED INSTALL TIME: 2.5 HOURS.</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 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.</p>

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.
- Remove the splash guards from the fender well using a needle nose pliers to pinch the clip and pull out. [FIGURE 1]



FIG.1

- Remove the 12mm bolt from the top of the UCA that holds the ABS wire. [FIGURE 2]



FIG.2

4. Remove the cotter pin from the UCA balljoint using a small screwdriver or pick to pry over the safety clip and pull out the pin using a needle nose pliers. Loosen the 19mm nut on the balljoint. [FIGURE 3 & 4]

FIG.3



FIG.4



5. Use a hammer or balljoint separator to loosen the balljoint taper from the spindle. [FIGURE 5]

FIG.5



6. Loosen and remove the UCA pivot bolt from the frame using a 22mm. [FIGURE 6]

FIG.6



7. Locate the front driver side core support mount bushing. [FIGURE 7]

FIG.7

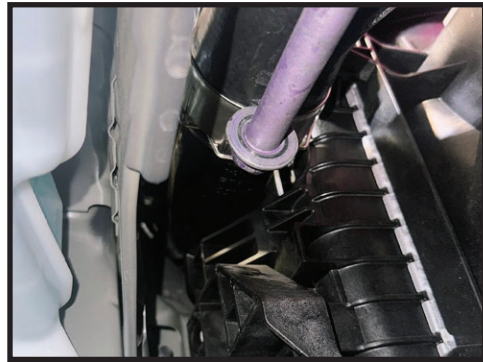


8. Using a jack carefully apply pressure to the driver front core support bolt this will lift the intercooler up enough to remove the UCA pivot bolt. [FIGURE 8 & 9]

FIG.8



FIG.9



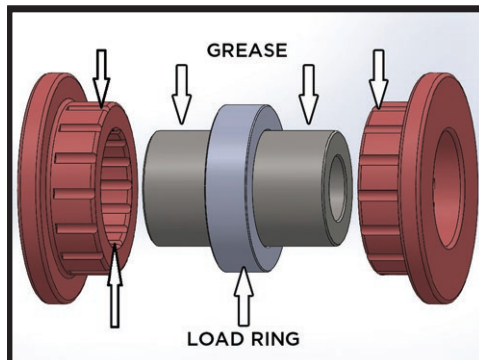
9. Remove the factory UCA. [FIGURE 10]

FIG.10



10. Install the new bushings into the ICON tubular UCA as indicated by the drawing below. Grease before install. [FIGURE 11]

FIG.11



11. Install the ICON UCA into position and slide the factory mounting bolt through the bushings and frame. Apply thread locker to the threads of the bolt and install the nut (passenger side shown). [FIGURE 12 & 13]

FIG.12



FIG.13



12. Install the Delta Joint Pro into the spindle, apply included blue thread locker to threads on flange nut and thread on to Delta Joint Pro with washer (605890) between the flange nut and spindle [Torque the nut to 70 ft-lbs]. [FIGURE 14]

FIG.14



13. Install the ABS bracket onto the tubular UCA using the supplied m6 stud and nut tighten to 35 in-lbs. [FIGURE 15]

FIG.15



14. Torque the factory long pivot bolt to OEM spec.

15. Install the supplied delta joint dust cap

16. Repeat steps 2-15 on passenger side. There is no need for the jack on the core support on the passenger side.

17. Reinstall wheels and tires and carefully lower vehicle to the ground. Torque lug nuts 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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