



# ICON VEHICLE DYNAMICS

7929 Lincoln AV. Riverside CA 92504  
ph. 951.689.ICON fx. 951. 689.1016

***Instruction Sheet:***

**Part No. 5-8550**

***Billet Upper Control Arms***

**2005-2009 Tacoma 4WD and Pre-Runner  
(6-lug wheel)**

**2007-2009 FJ Cruiser**

**2003-2009 4Runner**

**Enclosed Parts List:**

- (2) UCA Assemblies
- (2) Dust covers
- (2) O-Rings
- (8) 1/2in Socket head cap screws
- (2) Taper adaptor assemblies
- (8) Spacers (1.200in and .450in)

***\*\*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!***

***\*\*Warning!\*\**** *Icon Vehicle Dynamics* recommends that you exercise extreme caution when working under a vehicle that is supported with jack stands.

1. *ENSURE TRUCK IS IN GEAR OR IN PARK, SET PARKING BRAKE, TURN OFF ENGINE AND CHOCK TIRES!*
2. Jack up the front of the truck and support with jack stands under the frame rail just in front of the tranny cross member and remove the wheels.
3. Remove upper ball joint cotter pin and nut from spindle. Using a hammer tap on the out side of the spindle where the ball joint taper is to release the taper.
4. Completely remove factory upper control arm.
5. Place taper misalignment adapter into factory spindle and tighten the lower nut to factory specs.
6. Install new upper control arm with the long side to the front of the truck and the 4 bolt holes for the uni-ball cover facing up.
7. Push lower control arm down until you seat the Icon Vehicle Dynamics high Misalignment spacer into the uni-ball on the upper control arm. (**Make sure the radius matches the ball in the control arm. This must be properly seated to avoid any damage to the misalignment spacer and the uni-ball !!!**) Seat small upper spacer cap into uni-ball and torque to 50 ft lbs with Red Loc tite.
8. Bolt new upper control arm to the frame pivots using factory torque settings. The short side of the heim spacers will be inboard on the pivot points. (note: do not change pre-set adjustments on the heim pivot bolts.)
9. Install Dust cover with o-ring and 4 Allen bolts and snug down.
10. Reinstall the wheels and put the vehicle back on the ground. Roll the vehicle back and forth a couple of feet and bounce the front end to allow the suspension to settle to its new ride height. Re-measure from hub center to top of fender opening, compare to measurement in step 2.
11. **Warning: DO NOT ATTEMPT TO ALIGN YOUR TRUCK YOURSELF!!! Once Installation of the new arms is complete take your truck to a professional alignment shop for final alignment. NEVER ADD ANY LUBRICANTS OR GREASE TO UNI-BALL OR HIEM JOINTS!!!!**
12. **Register your Icon Vehicle Dynamics product online at:**
13. **www.iconvehicledynamics.com**

**For technical assistance or suggestions on how to make our product better call (951) 689-ICON Monday-Friday between the hours of 8am-12pm and 1pm-5pm Pacific-standard time, certain holidays excluded.**

***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.

Coil over take-apart shocks are considered a serviceable shock with a one year warranty on leakage only. Service seal kits are available separately for future maintenance. We do not warranty any other product not directly manufactured by *Icon Vehicle Dynamics*.

*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.