



# ICON VEHICLE DYNAMICS

***Instruction Sheet:***  
**Part No. 51100**  
**Toyota 3 Leaf Add a Leaf**

***Enclosed Parts List:***  
(2) Add a Leaf Packs  
(1) Set of [Rear U-Bolts](#)

**\*\*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.**

**INSTRUCTIONS:**

1. **ENSURE TRUCK IS IN GEAR OR IN PARK, SET PARKING BRAKE, TURN OFF ENGINE AND CHOCK REAR TIRES!**
2. Jack up the rear of the vehicle using a jack on the Toyota approved jacking points. Support the vehicle using jack stands.
3. Remove the rear shock lower bolts.
4. With a floor jack under the rear end loosen and remove the U-bolts. Make sure the axle is well supported or it could fall when the U-bolts are removed
5. Slowly and carefully lower the axle away from the springs and remove the factory centering pin and factory over-load spring. Installer may want to c-clamp factory spring together before removing center pin. This will make it easier to install the new add a leaf pack. Remove the factory overload spring at this time, this will not be re-used.



6. The add a leaf pack has a different length front to rear of the centering pin. **The longer side of the 2 is to be placed towards the REAR of the vehicle.**

***Note: Pending the year of your vehicle, our add a leaf pack may overlap the rear factory spring pack clamp. If this is the case you will need to remove the factory spring pack clamp at this time.***

7. Place the new add a leaf pack between the axle and factory spring pack, make sure the ICON add a leaf pack clamp bolts and center pin nut are unbolted for installation. Slide new center pin through factory leaf spring pack and reinstall the supplied center pin nut and tighten. You will need to trim the excess length of the center pin off leaving about 1/2" of pin sticking out of the top of the nut.
8. Jack up the axle and guide the spring center pin in to the hole on the top of the axle....Install new u-bolts (long u-bolts on driver side), washers and nuts, tighten to Factory Toyota spec.
9. Re-Install the spring clamp bolts at this time
10. Install shocks onto lower factory mount: Compress shock and insert bolt into the factory shock mount and tighten.
11. Repeat steps 3-8 for the other side of the vehicle.



12. Re-install wheels and lower to the ground. Torque Wheels & Re-check U-bolt torque.