

PART #	DESCRIPTION
58750	07-UP TUNDRA 2.5 VS RR COILOVER KIT

COMPONENTS INCLUDED	
(1) 154956R 07+ TUNDRA CO RR (DRVR) (1) 154956R 07+ TUNDRA CO RR (PASS)	(2) 154006 07+ TUNDRA RESI MOUNT (1) 611025 TUNDRA CO HARDWARE KIT (PAIR) (1) 611051 #40 2 1/16-3" HOSE CLAMP KIT
HARDWARE INCLUDED	
(4) 605144 3/8-12 X .750 FLANGED SELF TAP BOLT	
611025 COILOVER HARDWARE KIT	
(8) 605101 3/8-16 X 1.000 HHCS GR8 YZINC	(8) 605131 3/8 SPLIT LOCK WASHER GR8 YZINC
611051 HOSE CLAMP HARDWARE KIT	
(4) 605931 1/2 X 2 1/16 - 3 #40 SS HOSE CLAMP	
TOOLS REQUIRED	
JACK JACK STANDS TORQUE WRENCH DRILL 11/32" DRILL BIT	5/16" SOCKET / WRENCH 9/16" SOCKET / WRENCH 18MM SOCKET / WRENCH 22MM SOCKET / WRENCH 24MM SOCKET / WRENCH
TECH NOTES	
1. YOUR ICON COILOVER ASSEMBLIES COME FACTORY CHARGED TO 250 PSI. RELEASING NITROGEN PRESSURE MAY LEAD TO SHOCK MALFUNCTION AND REDUCED RIDE QUALITY. FAILURE CAUSED BY LOW NITROGEN PRESSURE IS NOT COVERED UNDER ICON'S WARRANTY POLICY. 2. YOUR ICON COILOVER ASSEMBLIES COME SHIPPED AT ICON'S RECOMMENDED RIDE HEIGHT. REDUCING DROOP TRAVEL WILL REDUCE RIDE QUALITY. DO NOT PRELOAD THE COIL BEYOND 2.00" OF EXPOSED THREADS BETWEEN THE BOTTOM OF THE TOP CAP AND THE COIL ADJUSTER NUT. ADJUSTING PRELOAD BEYOND THIS SETTING WILL CAUSE THE COIL TO BIND AND DAMAGE WILL OCCUR TO COILOVER AND/OR VEHICLE.	



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 INSTALLTION 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

- Using a properly rated jack, raise the front of the vehicle and support the frame rails with jack stands. Ensure the jack stands are secure and set properly before lowering the jack. NEVER WORK UNDER AN UNSUPPORTED VEHICLE. Remove the front wheels.
- To make room for the coilover to be removed you will need to separate the lower ball joint from the spindle. It is also easier to move the lower control arm if you loosen the inner-lower control arm pivots so you don't have to fight the bushing stiffness. Note the position of the alignment cams. (FIGURE 1 AND 2)

FIG.1



FIG.2



3. Remove the (4) nuts securing the upper coil seat to the coil bucket. Do not loosen or remove the larger center nut securing the spring seat to the shock shaft. This would result in the stock coil assembly to come apart violently causing damage to components and possible injury. (FIGURE 3)

FIG.3



FIG.4

4. Support the lower control arm with a jack and remove the bolt holding the shock eye to the lower lower control arm. Note orientation, this bolt will be reused. (FIGURE 4)

5. Lower the jack and remove the stock coilover assembly. Due to rubber bushing stiffness you may need to push down on the suspension. To make it easier you can use a pry bar over the top of the upper control arm and under the pivot bolt for additional leverage. Be careful not to damage any brake lines or wires that may be routed down the control arm.

6. Install new ICON coilover assembly: there are 7 threaded holes in the top of the upper shock mount, you will be using 4 of them. Using a 9/16" socket/wrench, install upper mount with the hose pointing outward using (4) of the supplied (605101) bolts and (605131) lock washers. [Torque to 33 ft-lbs]

7. Install shock mount to lower control arm: The lower shock mount has (1) long and (1) short spacer. Make sure the short spacer is oriented toward the rear of the vehicle. This will place the shock further toward the rear of the arm to ensure adequate clearance of the shock rod end. Install the factory lower shock bolt. [Torque to factory spec]

8. Remove plastic caps for the frame cover. drill the hole out to an 11/32". Using the supplied 3/8" Self-tappers, start each side of the reservoir bracket allowing the bracket to be centered, then securely tighten down the hardware. (FIGURE 5)

FIG.5



FIG.6

9. Mount reservoir. The lower hose clamp goes through the slot in the bracket and the upper registers in the notches at the top of the bracket. Position the reservoir so the clamp bands are in the recessed groove on the can and secure. (FIGURE 6)

10. Reattach the lower control arm to the spindle. [Torque to factory spec]

11. Install wheels and lower vehicle back to the ground [Torque to factory spec]. **NOTE:** If the inner-lower control arm pivots were loosened in step 2, re-tighten them now with the vehicle on the ground. [Torque to factory spec]

12. Have the vehicle professionally aligned.



VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.

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