ICON Vehicle Dynamics 58771 Installation Instructions

6-Inch 2.5 VS RR Coilover Kit for Toyota Tundra

Part number: 58771

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58771 INSTALLATION INSTRUCTIONS

8-23-2023 REV. A

PART #	DESCRIPTION
58771	22-UP TUNDRA 2.5 VS RR 6” COILOVER KIT

COMPONENTS INCLUDED

(1) 154872RD 22-UP TUNDRA 6” CO RR UPKG DRVR	(1) 154872RP 22-UP TUNDRA 6” CO RR UPKG PASS

HARDWARE INCLUDED

(1) 150126 22-UP TUNDRA FRONT RESI MOUNT DRVR (1) 150127 22-UP TUNDRA FRONT RESI MOUNT PASS	(4) 605144 3/8-12 X .750 FLANGED SELF TAP BOLT CZINC (1) 611025 07-22 TUNDRA CO HARDWARE KIT (1) 611051 #36 1.188-2.750 STAINLESS HOSE CLAMP KIT (4)

TOOLS REQUIRED

JACK JACK STANDS HAMMER BALLJOINT SEPARATOR FLAT BLADE SCREWDRIVER PLIERS TORQUE WRENCH	RATCHET 14MM SOCKET / WRENCH 19MM SOCKET / WRENCH 22MM SOCKET / WRENCH 9/16” SOCKET / WRENCH 5/16” NUT DRIVER

TECH NOTES

1. YOUR ICON COILOVER ASSEMBLIES COME FACTORY CHARGED TO 150 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 1.165” OF EXPOSED THREADS BETWEEN THE BOTTOM OF THE TOP CAP AND THE TOP OF THE COIL ADJUSTER NUT. ADJUSTING PRELOAD BEYOND THIS SETTING WILL CAUSE THE COIL TO BIND AND DAMAGE WILL OCCUR TO COILOVER AND/OR VEHICLE.

3. INSTALL TIME: 1-2 HOURS



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

1. These instructions are in conjunction with (51010) 6” kit instructions.

2. You will need to mark and grind/cut the lower coilover mount on the lower control arm as pictured. If this is not done, damage to the coilover and/or truck is possible. **[FIGURE 1 & 2]**

FIG.1

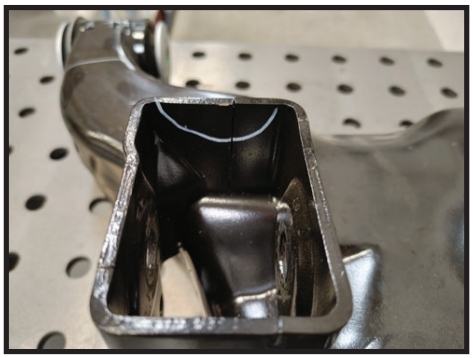




FIG.2

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3. Once the cuts are finished, paint the exposed metal to prevent rust/corrosion.

4. Reinstall control arm into the icon drop brackets using OEM hardware.

5. Install the new ICON coilover, lower eyelet first with the spacers, then the upper mount. Torque the upper bolts to 35 ft-lbs and the lower bolt to 130 ft-lbs. Apply thread locker to all bolts. **[FIGURE 3 & 4]**

FIG.3

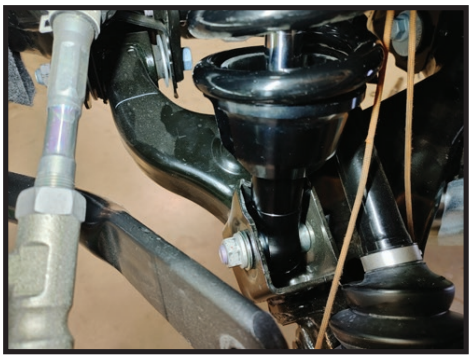




FIG.4

6. Remove the front rubber splash guard using a needle nose pliers to pinch and pull the clips out. 3 on driver side and 4 on passenger side. **[FIGURE 5]**

FIG.5



7. With the splash guard removed. Locate the reservoir bracket in the box along with 2 self threading 3/8 x 1" screws. Attach the bracket using the screws into the 2 frame holes that the splash guard used. The brackets have a slight bend in them that faces out to clear the fender well. Use the supplied hose clamps to secure the reservoir to the bracket. **[FIGURE 6 & 7]**

FIG.6





FIG.7

8. Refer back to the (51010 instructions) now.

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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2.5 VS SERIES SHOCK & COILOVER TECHNICAL INFORMATION

MAINTENANCE

ICON shock absorbers are a high quality rebuildable race style shock absorber designed for optimal performance. With a unit of this caliber on your vehicle, routine maintenance is required to keep them looking and operating in like new condition. Residual oil and assembly lube may be present at all seal paths from the factory out of the box and is considered normal. Pooling of oil however is not acceptable at any time and one should contact the ICON dealer where purchased.

BELOW ARE GUIDELINES BASED ON HOW YOU USE YOUR VEHICLE BUT YOUR MILEAGE MAY VARY:

STREET USE:

- Send in for factory servicing every 40,000 miles or if a leak develops, ride quality decreases, or they begin to make excessive noise.
- Remove any buildup of road salt, mud, or debris from shocks and coil springs anytime accrued
- Clean with mild soap and water with each oil change or anytime you notice build up.
- Wax the cylinders yearly with automotive wax to prevent corrosion.
- Check nitrogen pressure yearly. (252004 charge needle assembly available at any ICON distributor)
- Check bearings for excessive wear yearly.
- **DO NOT** apply any type of lube to the upper and lower bearings.

STREET/DIRT:

- Send in for factory servicing every 15,000 miles or if a leak develops, ride quality decreases, or they begin to make excessive noise.
- Clean with mild soap and water with each oil change, offroad trip, or anytime you notice build up.
- Wax the cylinders yearly with automotive wax to prevent corrosion.
- Check nitrogen pressure each dirt outing. (252004 charge needle assembly available at any ICON distributor)
- Check bearings for excessive wear yearly.
- **DO NOT** apply any type of lube to the upper and lower bearings.

DIRT USE:

- Send in for factory servicing every 1,000 miles.
- Check nitrogen pressure each outing. (252004 charge needle assembly available at any ICON distributor)
- Remove any buildup of mud or debris from shocks and coil springs after every outing.

SELF-SERVICE:

- Contact ICON for service kits & tools at (951) 689-4266.

PRODUCT REGISTRATION

Please visit: http://www.iconvehicledynamics.com/tech-support/registration/ to register your product.

ICON VEHICLE DYNAMICS SHOCK ABSORBER WARRANTY

This shock absorber has a 1 year warranty against any manufacturer's defects. If a shock fails within the initial year of ownership, the shock must be shipped to ICON Vehicle Dynamics for inspection and service. If a shock is inspected and it has been determined the shock failed due to neglect, damage caused by improper installation or any other reason besides "normal wear and tear", the owner of said shock is responsible for all service costs. This includes labor, parts, and shipping.

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.

To send a shock in for warranty please visit our website http://www.iconvehicledynamics.com/tech-support/shock-service/

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