ICON Vehicle Dynamics 51211 Installation Instructions

1.25-Inch Triple Rate Rear Coil Spring Kit for Toyota Tundra

Part number: 51211

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

51211 INSTALLATION INSTRUCTIONS

4-20-23 REV.B

PART #	DESCRIPTION
51211	22-23 TUNDRA 1.25” LIFT TRIPLE RATE REAR COIL SPRING KIT

COMPONENTS INCLUDED

(2) 158751 22-UP TUNDRA REAR 1.25” LIFT TRIPLE RATE COIL SPRING

HARDWARE INCLUDED

N/A

TOOLS REQUIRED

JACK
JACK STANDS
TORQUE WRENCH
RATCHETS
12MM SOCKET/WRENCH
17MM SOCKET / WRENCH
COIL SPRING COMPRESSOR

TECH NOTES

1. 1.25” LIFT ON NON TRD MODELS ONLY.

2. WILL NOT WORK ON AIR RIDE EQUIPPED VEHICLES.

3. ESTIMATED INSTALL TIME: 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

Place vehicle in park on a level surface. Engage parking brake. Block the front tires. Lift rear of vehicle and place jack stands under the manufacturer recommended locations. NEVER WORK UNDER AN UNSUPPORTED VEHICLE.

OPTION 1: No spring compressor available.

1. Place a jack under the center of the axle so it can be lowered to assist in spring removal.

2. Using a 12mm, remove the brake line, E-brake line, speed sensor and E-locker wiring brackets.

3. Remove the lower shock eyelet using a 17mm and pull the shock off the mounting stud. **[FIGURE 1]**

FIG.1



4. Slowly lower the axle down until the springs become loose, being careful not to overextend any brake lines or wiring harness.

5. Lift the spring and pull it out from the bottom, rotating it can help to clear the mount on the axle housing spring perch.

6. Remove the bump stop cone from the factory spring and install it into the new ICON spring, then install it into the truck. Being sure the lower spring seat is in the spring perch correctly. Repeat on passenger side.

7. Reinstall shocks and brake lines.

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OPTION 2: Use a spring compressor.

1. Use a spring compressor like the one shown. **[FIGURE 2]**

FIG.2



2. Leave all brackets attached. Remove the lower shock mount with a 17mm and lower the axle, being sure not to overextend any brake lines or wiring harness.

3. Install spring compressor with appropriate spring attachment and tighten to compress the spring until it can be removed. **[FIGURE 3]**

FIG.3



4. Remove the spring compressor from the factory spring and install it onto the new ICON spring.

5. Remove the bump stop cone from the factory spring and install it into the new ICON spring. Compress the spring enough so that it can be installed into the truck, making sure the spring seats into the upper and lower spring perch correctly. Repeat on passenger side.

6. Reinstall wheels and tires, enjoy your new springs and ride.

VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.

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

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.

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.

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