ICON Vehicle Dynamics K53221 Installation Instructions

K53221

Part number: K53221

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Scan for fitment, price and install help

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51100 INSTALLATION INSTRUCTIONS

6-12-2020 REV.D

PART #	DESCRIPTION
51100	96-UP TACOMA/00-06 TUNDRA 1.5" ADD A LEAF KIT

COMPONENTS INCLUDED

(2) 158501 05+ TACOMA/00-06 TUNDRA ADD A LEAF PACK	(1) 52050 8" U-BOLT KIT

HARDWARE INCLUDED

N/A	

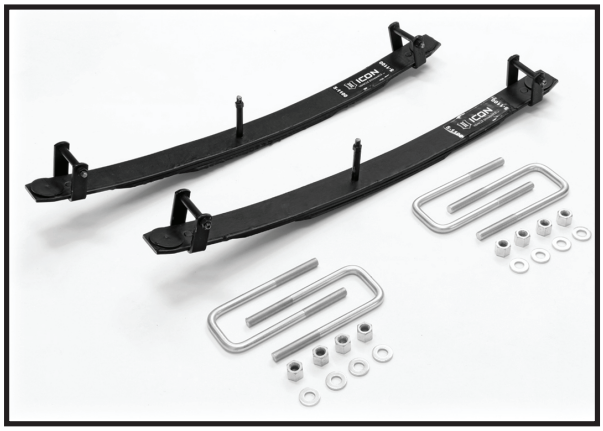
TOOLS REQUIRED

JACK JACK STANDS CUT OFF WHEEL CENTER PUNCH	9/16" SOCKET / WRENCH 7/8" SOCKET / WRENCH 14MM SOCKET / WRENCH 19MM SOCKET / WRENCH TORQUE WRENCH

TECH NOTES

1. SOME LEAF PACKS MAY HAVE A SPRING CLIP THAT WILL NEED TO BE REMOVED TO ALLOW FOR INSTALLATION OF THE ICON ADD A LEAF KIT.

2. LEAVING THE FACTORY OVERLOAD LEAF INSTALLED IS NOT RECOMMENDED.



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. Using a properly rated jack, raise the rear 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 rear wheels.

2. Remove the lower rear shock bolts using a 19mm socket/wrench.

3. Use a jack to support the axle then loosen and remove the driver side U-bolts using a 19mm socket/wrench. Make sure the axle is well supported or it could fall when the U-bolts are removed.

4. Slowly lower the axle away from the springs and remove the factory centering pin and factory overload spring. Clamp the factory spring together before removing center pin. Remove the factory overload spring at this time, this will not be reused.

5. If your factory leaf pack is equipped with a spring clip that interferes with the ICON add a leaf spring clip, the factory spring clip must be removed from the leaf. To remove the spring clip, cut the head of the rivet off and pound the rivet out of the leaf with a center punch. Sand the rivet hole smooth on both sides. Use touch up paint to prevent corrosion.

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

7. Remove the spring clip hardware and center pin nut from ICON add a leaf for installation.

8. Place the new add a leaf pack between the axle and factory spring pack, make sure the ICON add a leaf clamp bolts and center pin nut are unbolted before installation. Slide new center pin through factory leaf spring pack, reinstall the supplied center pin nut and tighten. Trim the excess length of the center pin, leaving about 1/2" of threads sticking out from the top of the nut.

9. Use a jack to raise the axle and guide the spring center pin into the hole on the top of the axle. Install supplied U-bolts (long U-bolts on driver side), washers, and nuts. [Torque to 90ft-lbs]

10. Reinstall the spring clip bolts.

11. Reinstall shock to the factory lower shock mount using a 19mm socket/wrench. [Torque to factory spec]

12. Repeat steps 2-11 on opposite side of the vehicle.

13. Reinstall wheels and lower to the ground. [Torque to factory spec]

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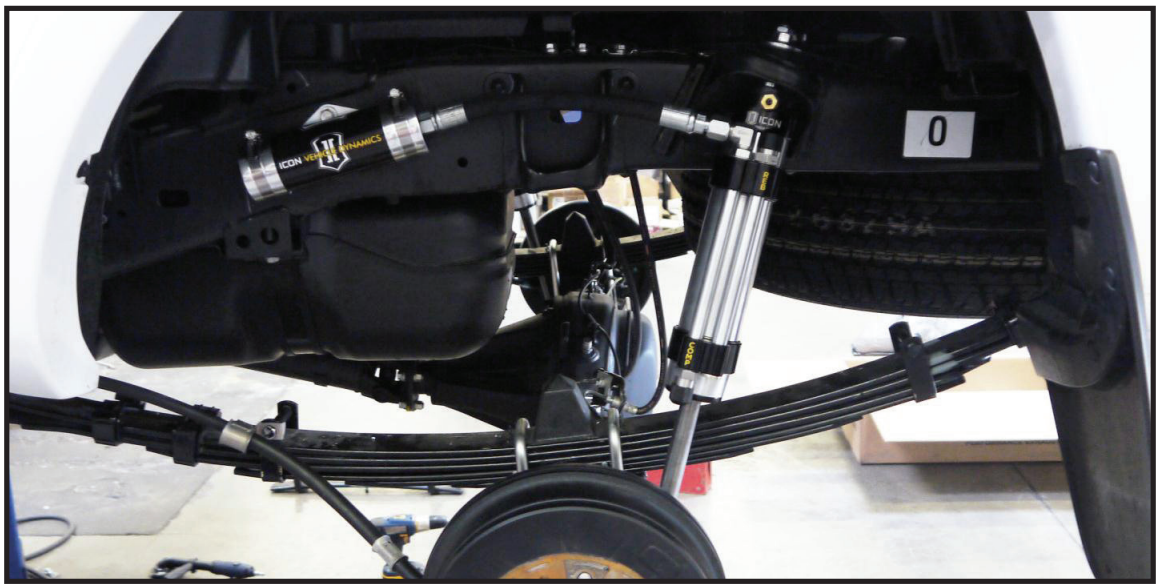
VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.

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.

ICON VEHICLE DYNAMICS®
PERFORMANCE SUSPENSION SYSTEMS AND SHOCK ABSORBERS

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