# ICON Vehicle Dynamics 51200 Installation Instructions

Rear Expansion Pack Kit for Toyota Tundra (2007-2021)

Part number: 51200

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Scan for fitment, price and install help

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# *51200 INSTALLATION INSTRUCTIONS*

*2-15-2021 REV.E*

| PART # | DESCRIPTION |
|---|---|
| 51200 | 07-UP TUNDRA 1.5" LIFT EXPANSION LEAF SPRING PACK |

## COMPONENTS INCLUDED

| | |
|---|---|
| (2) 158510 07+ TUNDRA EXPANSION PACK | (1) 52050 TOYOTA REAR 8" U-BOLT KIT<br>(1) 705166 TUNDRA EXPANSION PACK |

## HARDWARE INCLUDED

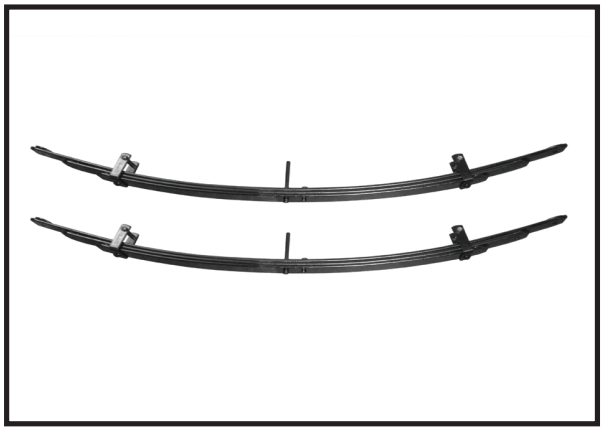
| | |
|---|---|
| N/A | |

## TOOLS REQUIRED

| | |
|---|---|
| JACK<br>JACK STANDS<br>TORQUE WRENCH<br>HAMMER | C - CLAMPS<br>PRY BAR<br>TORQUE WRENCH |

## TECH NOTES

*1. ICON RECOMMENDS REMOVING THE ENTIRE LEAF PACK FROM THE VEHICLE PRIOR TO INSTALLING THE (51200) EXPANSION LEAF SPRING PACK.*



**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.

***3.*** 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

***4.*** Slowly and carefully lower the axle away from the springs and remove the factory centering pin and factory over-load spring. **NOTE:** You may want to use C-Clamps to secure the pack before you completely remove the center pin.

***5.*** With the new ICON (51200) pack on the ground, C-clamp the leafs together and remove the nuts on the guide pins to expand the pack.

***6.*** Separate the OEM secondary springs from the main leaf spring using a pry bar carefully un-folding each of the collars/spring clips. Remove the (2) OEM secondary leaf springs that are shown. **[FIGURE 1 & 2]**

**FIG.1**

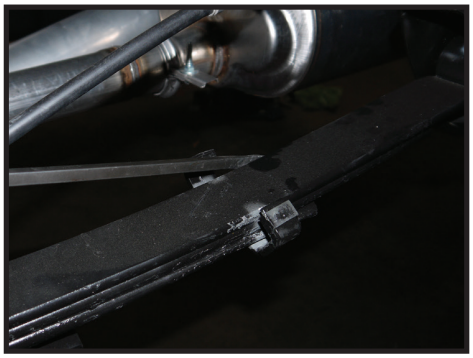




**FIG.2**

***7.*** The reinstallation order should be as follows: OEM main spring, ICON (51200) expansion pack, thick OEM overload.



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***8.*** Slip in the new spring pack in between the OEM main Spring and the OEM thick overload. The leaf springs will have to be clamped together in order to get the locating pin to slide through and be tightened. **[FIGURE 3 AND 4]**

**FIG.3**

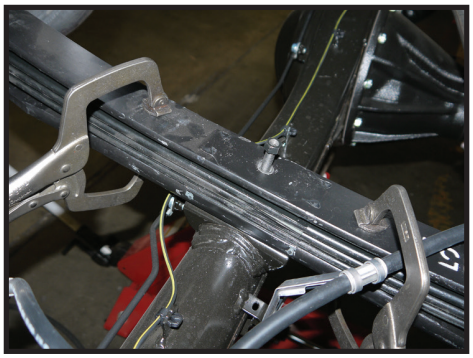



**FIG.4**

***9.*** Tighten one side of the C-Clamps and threaded locating pins slightly, then the other side, back and forth till the springs are fully clamped together.

***10.*** Raise the axle (reinstall the leaf pack if you chose to remove the full spring assembly) and guide the spring center pin in to the hole on the top of the axle.

***11.*** Install new U-bolts, washers and nuts. [Torque to 90ft-lbs]

***12.*** Install shocks onto lower factory mount: Compress shock and insert bolt into the factory shock mount. [Torque to factory spec]

***13.*** Repeat steps 2-12 for the other side of the vehicle.

***14.*** Install wheels and lower vehicle to the ground [Torque lugs to factory spec]. Check U-bolt torque with the vehicle on the ground.

***VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.***

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