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ICON Vehicle Dynamics 55156 Installation Instructions

Differential Drop Kit for Tundra, Sequoia & Lexus GX550

Part number: 55156

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55156 INSTALLATION INSTRUCTIONS

1-9-23 REV.A

PART #	DESCRIPTION
55156	22-UP TUNDRA DIFF DROP KIT

COMPONENTS INCLUDED

(1) 154178 22-UP TUNDRA DRVR DIFF DROP (1) 150140 22-UP TUNDRA DRVR DIFF DROP SHIM	(1) 154179 22-UP TUNDRA PASS DIFF DROP

HARDWARE INCLUDED

(4) 297028 HAT BUSHING 1.375 X .875 X .775 (2) 157563 SLEEVE .875 X .640 X 2.690 (3) 605990 M16 X 1.5 HEX LOCK NUT CL8	(1) 605968 VIBRATITE BLUE 2ML BULLET (2) 605991 M14-1.5 X 60MM SHCS

TOOLS REQUIRED

JACK JACK STANDS TORQUE WRENCH RATCHETS	12MM HEX KEY 19MM SOCKET / WRENCH 22MM SOCKET / WRENCH 24MM SOCKET WRENCH

TECH NOTES

1. ESTIMATED INSTALL TIME: 1 HOUR



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

2. Support the diff with a jack, only applying a small amount of pressure to lift the differential.

3. Loosen the two bolts at the frame mounts using a 19mm. **[FIGURE 1 & 2]**

FIG.1



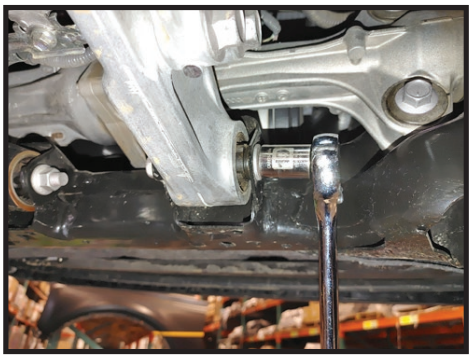


FIG.2

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4. Loosen and remove the 2 bolts from the driver side diff mount using a 19mm. **[FIGURE 3 & 4]**

FIG.3



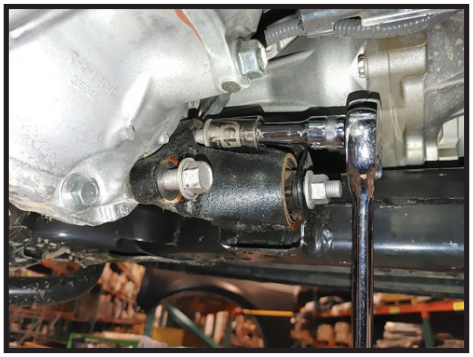


FIG.4

5. Loosen and remove the three bolts from the passenger side diff mount using a 22mm. **[FIGURE 5 & 6]**

FIG.5





FIG.6

6. With the factory mounts removed, move onto the new ICON diff mounts. You will need to grease the bushings and install them into the mounts. Apply a high quality moly grease onto the inner and outer diameter and faces as shown. Then, install the bushings and sleeve into each diff mount. **[FIGURE 7 & 8]**

FIG.7





FIG.8

7. Install both ICON diff mounts as shown using the factory hardware. The longer bolts with the loose washer next to the head of the bolt. Leave the bolts and nuts loose for now.

NOTE: Depending on the truck, the rear diff mount might need to be loosened using a 12mm hex key. The (purple) nut is located inside the engine cross member. **[FIGURE 9 & 10]**

FIG.9





FIG.10

8. With the mounts in roughly the right spot, slowly lower the differential until the bolt holes line up correctly.

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9. Starting with the driver side, use the supplied M14 X 1.5 X 60MM SHCS bolts and supplied shim. Apply blue thread locker onto the bolts. The shim will go between the differential and the diff mount. Install the bolts, leaving them loose for now. **[FIGURE 11 & 12]**

FIG.11





FIG.12

10. Move onto the passenger side now and install the factory bolts with the supplied M16 nylock nuts as shown. **[FIGURE 13]**

FIG.13



11. With all the bolts and nuts installed now, begin to tighten all the bolts. **[FIGURE 14 & 15]**

- Driver side hex key bolts (2): 65 ft-lbs using a 12mm hex key.
- Passenger side bolts and nuts (3): 105 ft-lbs using a 22 and 24mm socket/rachet and wrench.
- Frame mount bolts and nuts (2): 65 ft-lbs using a 19mm socket/rachet and wrench.

FIG.14





FIG.15

Congratulations, install is now complete!

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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