TRAIL FORTRESS

BUILT FOR THE TRAIL. CHECKED FOR YOUR TRUCK.

ICON Vehicle Dynamics K53294 Installation Instructions

Stage 4 Billet UCA Suspension System for Toyota Tacoma (2024-2025)

Part number: K53294

trailfortress.com/stage-4-billet-uca-suspension-system-toyota-tacoma-icon-vehicle-dynamics-k53294

Scan for fitment, price and install help

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

55160 INSTALLATION INSTRUCTIONS

1-22-2025 REV.C

PART #	DESCRIPTION
55160	24 TACOMA FRONT DIFF DROP

COMPONENTS INCLUDED

(1) 154190 24 TACOMA DIFF DROP DRIVER	(1) 154191 24 TACOMA DIFF DROP PASSENGER

HARDWARE INCLUDED

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

TOOLS REQUIRED

FLOOR JACK JACK STANDS TORQUE WRENCH	PRY BAR 19MM 22MM 12MM HEX KEY

TECH NOTES

1. INSTALL TIME: 30 MINUTES.

2. AFTER INSTALL CHECK FLUE LEVEL AFTER DIFF ANGLE CHANGE MAKING SURE IT IS FULL.



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 the truck on a flat surface with the parking brake engaged, chock the rear tires.

2. Use a suitable floor jack in the manufacturer designated spot on the frame to lift the front of the truck, then place a suitable jack stand under the frame and set the truck down securely on the jack stand. NEVER WORK UNDER AN UNSUPPORTED VEHICLE.

3. Use the floor jack to support the front differential.

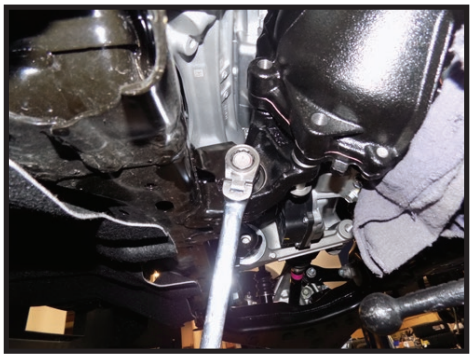


FIG.1

4. Remove the 12mm bolts and nuts from the diff mounts at the frame using a 19mm. **[FIGURE 1 & 2]**

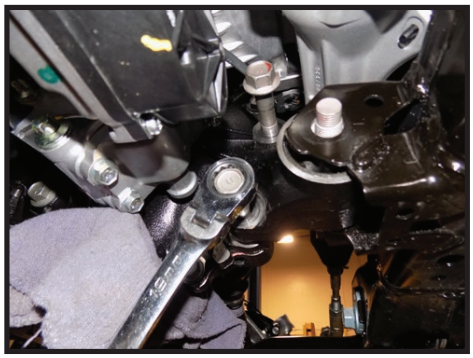


FIG.2

trailfortress.com/stage-4-billet-uca-suspension-system-toyota-tacoma-icon-vehicle-dynamics-k53294

5. Remove the two 12mm bolts from the driver side diff mount at the diff using a 19mm (These bolts will be reused). **[FIGURE 3]**

FIG.3



6. Remove the two 16mm bolts from the passenger side diff mounts at the diff using a 22mm (These bolts will be reused). **[FIGURE 4]**

FIG.4



7. Assemble the bushings and sleeves into the new differential mounts. Apply a high quality moly grease to all surfaces of the bushings before pressing them into the mounts. Press the sleeves into the bushings once installed in the mount.

8. Using a 12mm hex key loosen the rear diff mount.

9. Install the mounts into the frame tabs and onto the diff. The Driver side first, use the OEM bolt and nut on the frame side and the differential side. Do not tighten yet. **[FIGURE 5 & 6]**

FIG.5



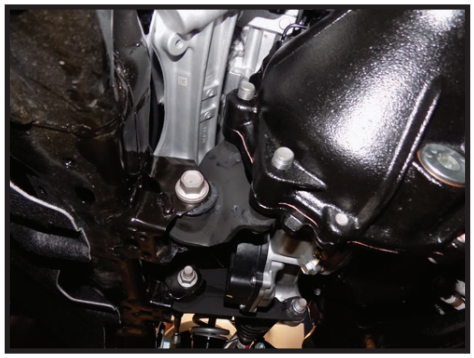
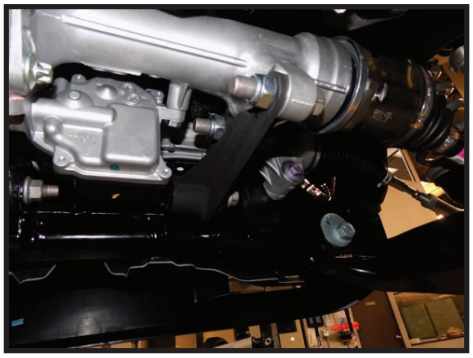


FIG.6

10. Install the passenger mount now reusing all OEM hardware and the two supplied M16 nuts. **[FIGURE 7 & 8]**

FIG.7



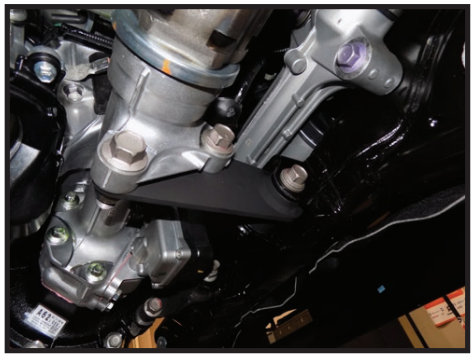


FIG.8

11. Once all the bolts are installed, begin torquing them as follows.

12. M12 bolt and nut: 70 ft-lbs.

13. M16 bolts and nuts on passenger mount: 150 ft-lbs

14. M12 hext key torque to 74 ft-lbs.

15. Be sure to check fluid in the differential making sure it filled to the correct level after differential angle change.

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

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

FOLLOW US ON FACEBOOK!

trailfortress.com/stage-4-billet-uca-suspension-system-toyota-tacoma-icon-vehicle-dynamics-k53294