ICON Vehicle Dynamics 65053 Installation Instructions

2.5 PB Centerline Steering Stabilizer Kit, Super Duty 2023-2025

Part number: 65053

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65053 INSTALLATION INSTRUCTIONS

7-11-2023 REV.A

PART #	DESCRIPTION
65053	23 FSD 2.5 CENTERLINE STABILIZER KIT

COMPONENTS INCLUDED

(1) 164053 23 FSD THRU SHAFT SS, DIFF BRACKET	(1) 164952 05-UP FSD 4WD STAB 2.5 PB UPKG

HARDWARE INCLUDED

(4) 605056 1/4-20 X 1.750 SHCS 18-8 (4) M8-1.25 X 40MM FLANGE BOLT BPHOS (1) 605306 1/2-13 X 2.500 HHCS	(1) 605330 1/2 SAE FLAT WASHER (1) 605333 1/2-13 FLANGED NYLOCK NUT (1) 297206 44MM BILLET TUBE CLAMP FRONT

TOOLS REQUIRED

TORQUE WRENCH TAPE MEASURE 13MM SOCKET / WRENCH	3/16" ALLEN WRENCH 3/4" SOCKET / WRENCH

TECH NOTES

1. AFTER INSTALLATION, CYCLE STEERING LEFT AND RIGHT TO ENSURE FULL RANGE OF STEERING IS ACHIEVABLE AND STABILIZER IS INSTALLED CORRECTLY.

2. USE THE SUPPLIED 1" FRONT BUMP STOP SPACERS UNLESS THE SUSPENSION SYSTEM THAT YOU ARE USING CALLS FOR LARGER BUMP STOP SPACERS. IF USING A NON-ICON CONFIGURATION, CYCLE THE SUSPENSION TO VERIFY THAT THE STABILIZER DOES NOT MAKE CONTACT UPON FULL COMPRESSION.

3. MOUNTS OVER STOCK FRON DIFFERENTIAL COVER, NOT COMPATIBLE WITH MOST AFTERMARKET COVERS.

4. NOT COMPATIBLE WITH AFTERMARKET TIE RODS

5. ONLY COMPATIBLE WITH 4WD MODELS



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!*

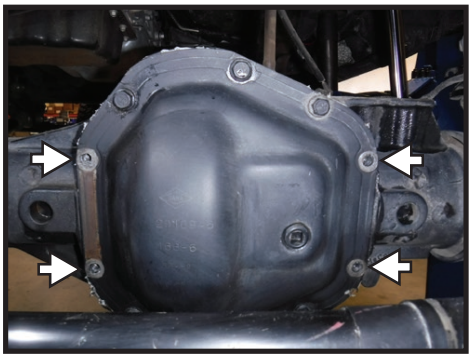
*** ICON VEHICLE DYNAMICS RECOMMENDS THAT YOU EXERCISE EXTREME CAUTION WHEN WORKING UNDER A VEHICLE THAT IS SUPPORTED WITH JACK STANDS.*

*** 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

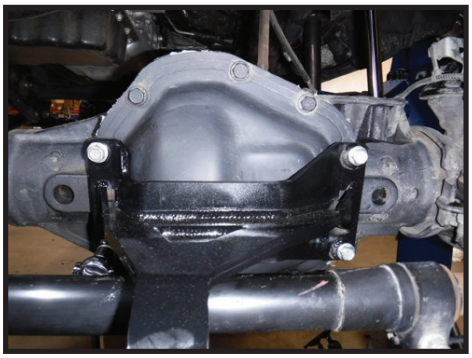
1. Remove the (4) highlighted bolts from the differential cover using a 13MM socket/wrench. **[FIGURE 1]**

FIG.1



2. Install the steering stabilizer bracket over the differential cover using the supplied M8-1.25 bolts. Tighten using a 13MM socket/wrench. [Torque to factory spec] **[FIGURE 2]**

FIG.2



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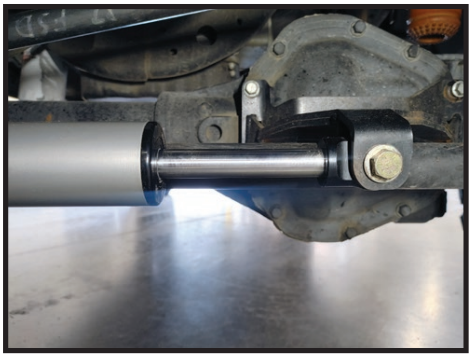
3. Set the steering stabilizer so there is 4.340” of dead shaft showing. **[FIGURE 3]**

FIG.3



4. Install the steering stabilizer with the rod end side into the bracket using the supplied 1/2” hardware and a 3/4” socket/wrench. [Torque to 80 ft-lbs] **[FIGURE 4]**

FIG.4



5. Install stabilizer clamp onto the tie rod, being sure not to extend or collapse the stabilizer. Make sure steering wheel and tires are straight/centered. Use the (4) supplied 1/4-20 allen bolts to tighten the tube clamp using a 3/16” allen wrench. Being sure to tighten it evenly. Keep stabilizer parallel with tie rod while tightening [Torque to 8 ft-lbs]. Be sure the reservoir is position at 45°. **[FIGURE 5]**

FIG.5



6. After installation, cycle steering left and right to ensure full range of steering is achievable and stabilizer is installed correctly.



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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