ICON Vehicle Dynamics 65052 Installation Instructions

2.5 PB Centerline Steering Stabilizer Kit for Ford Super Duty

Part number: 65052

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65052 INSTALLATION INSTRUCTIONS

12-02-2022 REV.A

PART #	DESCRIPTION
65052	05-UP FSD CENTERLINE STABILIZER KIT

COMPONENTS INCLUDED

(1) 164050 05-UP CENTERLINE DIFF BRACKET
(1) 164952 05-UP FSD 4WD STAB 2.5 PB UPKG
(1) 297206 1.735" (44MM) BILLET TUBE CLAMP FRONT

HARDWARE INCLUDED

(4) 605056 1/4-20 X 1.750 SHCS 18-8
(3) 605126 3/8-16 X 1.50 FLANGE BOLT
(1) 605160 3/8-16 X 1.50 BUTTON HEAD BOLT
(1) 605306 1/2-13 X 2.500 HHCS
(1) 605330 1/2 SAE FLAT WASHER
(1) 605333 1/2-13 FLANGED NYLOCK NUT

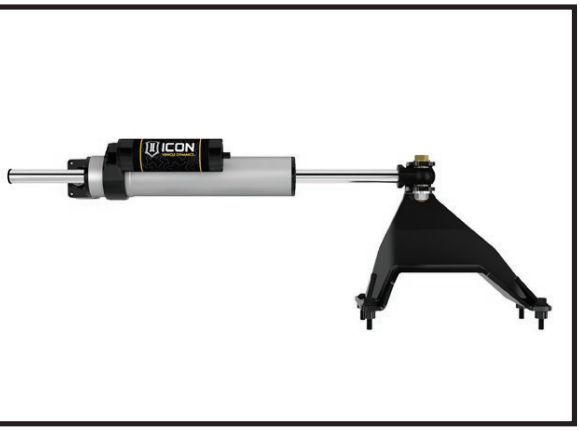
TOOLS REQUIRED

TORQUE WRENCH
TAPE MEASURE
10MM SOCKET / WRENCH
13MM SOCKET / WRENCH
18MM SOCKET / WRENCH
7/32" ALLEN WRENCH
3/16" ALLEN WRENCH
9/16" SOCKET / 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.



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!*

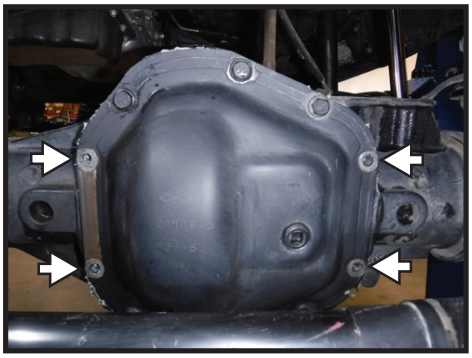
*** ICON VEHICLE DYNAMICS RECOMMENDS THAT YOU EXERCISE EXTREME CAUTION WHEN WORKING UNDER A VEHICLE THAT IS SUPPORTED WITH JACK STANDS.*

*** 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

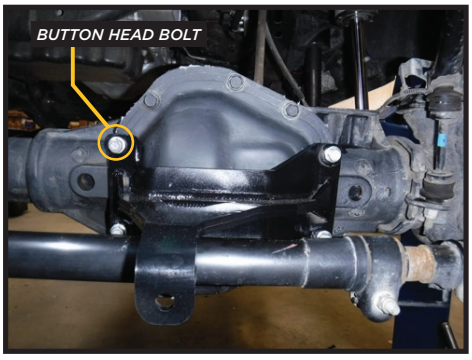
1. Remove the (4) highlighted bolts from the differential cover using a 9/16" socket/wrench. **[FIGURE 1]**

FIG.1



2. Install the steering stabilizer bracket over the differential cover using the supplied 3/8" bolts. Place the button head bolt in the top left corner to clear the engine crossmember. Tighten using a 9/16" socket/wrench and a 7/32" allen. [Torque to factory spec] **[FIGURE 2]**

FIG.2



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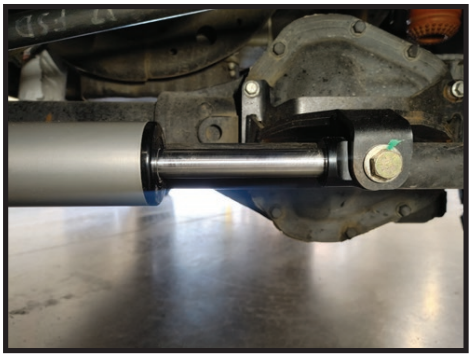
3. Set the steering stabilizer so there is 4.340” of dead shaft showing. **[FIGURE 3]**

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 90 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.

ICON VEHICLE DYNAMICS LIMITED LIFETIME WARRANTY

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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.

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