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PART #	DESCRIPTION
67020	08-10 FSD FRONT 7" BOX KIT

COMPONENTS INCLUDED	
(2) 164008 05-UP FSD 7" UPPER BRAKE LINE DROP (1) 164020 08-UP FSD STEERING STABILIZER DROP (1) 164027 08-UP FSD TRACK BAR BRKT	(2) 164030 08-UP FSD SWAY BAR DROP BRKT (2) 167011 05-UP FSD FRONT 4" BUMP STOP SPACER KIT (1) 168040 05-UP FSD 4" DROP PITMAN ARM (1) 67020H HARDWARE KIT
HARDWARE INCLUDED	
67020H HARDWARE KIT	
(2) 605011 5/16-18 X .750 BOLT (2) 605012 5/16 SPLIT LOCK WASHER (4) 605101 3/8-16 X 1.000 BOLT	(4) 605133 3/8 FLAT WASHER (2) 605804 M8-1.25 X 120MM BOLT (1) 605900 1/8 X 2.000 COTTER PIN
TOOLS REQUIRED	
JACK JACK STANDS BRASS HAMMER STEEL HAMMER PLIERS 3/8" SOCKET / WRENCH 1/2" SOCKET / WRENCH 9/16" SOCKET / WRENCH 5/8" SOCKET / WRENCH 3/4" SOCKET / WRENCH 15/16" SOCKET / WRENCH	10MM SOCKET / WRENCH 13MM SOCKET / WRENCH 15MM SOCKET / WRENCH 16MM SOCKET / WRENCH 18MM SOCKET / WRENCH 21MM SOCKET / WRENCH 24MM SOCKET / WRENCH 30MM SOCKET / WRENCH 46MM SOCKET / WRENCH TORQUE WRENCH BALL JOINT SEPERATOR
TECH NOTES	
1. REQUIRES USE OF ICON 4-LINK KIT (#61500) OR ICON RADIUS ARM DROP BRACKET KIT (#64040) AND CASTER-CAM KIT (#62530).	



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 INSTALLTION 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

- Using a properly rated jack, raise the front 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 front wheels.
- Remove the sway bar links from the sway bar using an 18mm socket/wrench. Leave the links connected to the differential. [FIGURE 1]

FIG.1



- Disconnect the upper brake line brackets from the frame using a 13mm socket/wrench and lower the brake line brackets from the differential using a 10mm socket/wrench. [FIGURE 2 AND 3]

FIG.2



FIG.3



4. On the driver side of the track bar, remove the nut and the upper track bar bolt using (2) 30mm socket/wrenches. [FIGURE 4]

FIG.4



5. Support the axle housing with a jack and remove the front shocks. The shocks are limiting suspension droop so make sure that the axle is well supported or it will fall when the shocks are removed. Use an 18mm socket/wrench to remove the lower bolt, and a 16mm socket/wrench on the stem.

6. As you slowly lower the axle, the coils will unload from the mounts which will allow them to be removed. Be careful not to stretch or damage any lines connected to the differential or radius arms.

7. Remove the stock track bar bracket: Remove the (2) bolts going up into the frame using an 18mm socket/wrench. Remove the (3) nuts on the crossmember using a 21mm socket/wrench. Remove the stud plate from crossmember and fully remove the track bar bracket. [FIGURE 5]

FIG.5



8. Refer to ICON 4-Link (#61500) or radius arm kit (#64040) instructions and install now.

9. If using radius arm kit, caster-cams are required. Refer to caster-cam instructions (#63530) and install now.

10. If using coilover conversion kit (#61950) refer to the coilover instructions and install now.

11. Lower the axle just enough to install the new springs. Place the original rubber isolator on top of the new coil and install. Be careful to not stretch or damage any lines. Check the rotation/clocking of the coil to make sure it is properly seated in the lower spring perch.

12. Lift the axle enough to install the new ICON shocks. Be careful not to lift the truck off of the jack stands. Use the original bolt on the lower shock mount and tighten with an 18mm socket/wrench [Torque to factory spec]. Tighten the stem nut using a 3/4" socket/wrench.

13. Slowly lower the axle, the shocks will now be supporting all of the weight.

14. Refer to pitman arm instructions (#191002) and install now. [FIGURE 6]

FIG.6



FIG.7

15. Install the new track bar bracket using stock hardware. Hold the track bar bracket in position and insert the stud plate through the crossmember and bracket. Use a small amount of thread locker on threads, and install nuts using a 21mm socket/wrench. Use thread lock on frame bolts and tighten using an 18mm socket/wrench. [Torque to factory spec] [FIGURE 7]

16. If using an ICON adjustable track bar (#64030 or #64031) refer to track bar instructions and install now.

17. Install the track bar into the new bracket using the stock hardware. You may have to raise or lower the axle housing to help line up the holes. Tighten using (2) 30mm socket/wrenches. [Torque to factory spec] [FIGURE 8]

FIG.8



18. Remove the steering stabilizer from the factory frame bracket using a 15mm socket/wrench. Remove the bracket from the frame using an 18mm socket/wrench. Remove the steering stabilizer from the drag link using an 18mm socket/wrench, then use a ball joint separator fork or a hammer to break the taper loose and remove the stabilizer.

19. Mount the stabilizer drop bracket to the frame and tighten using factory hardware and an 18mm socket/wrench [Torque to factory spec]. Connect the steering stabilizer to the new bracket using factory hardware. [Torque to factory spec]

20. Pry the front bump stops out of the bump stop cup. Remove the bolt in the center of the cup. Install the bump stop spacer between the cup and the frame with the supplied bolt. Orient the bump stop cup's flat side to be near the coil for added clearance. [FIGURE 9 AND 10]

FIG.9



FIG.10



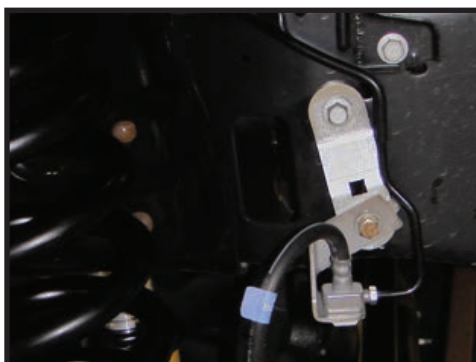
21. Push the bump stop back into the cup until it snaps back into place.

22. Install sway bar drop brackets (#164030) on the frame using factory hardware, and on the sway bar using the supplied 3/8" hardware (605101, 605133). [Torque to factory spec] [FIGURE 11]

FIG.11



FIG.12



23. Install the ICON upper brake line brackets (#164008). This bracket uses the factory bolt on the top and a supplied (#605011) bolt on the bottom. Tighten using (2) 1/2" socket/wrenches [Torque to 19 ft-lbs]. Carefully re-route the hard brake line. [FIGURE 12]

24. If using an ICON dual steering stabilizer kit (#65000), refer to steering stabilizer instructions and install now.

25. Install wheels and lower vehicle back to the ground. [Torque to factory spec]

26. Have the vehicle professionally aligned.

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.

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