

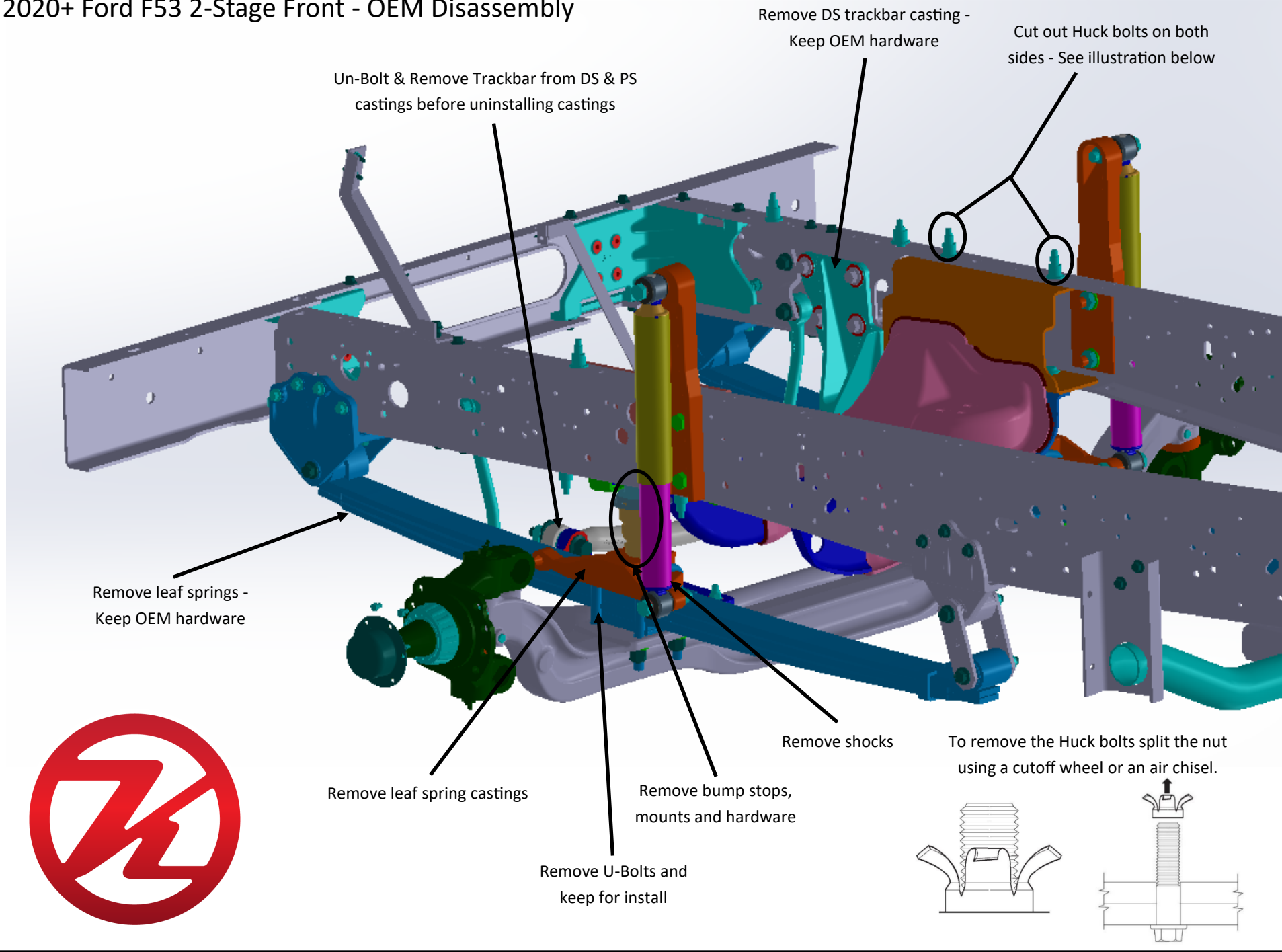


**2020+ FORD F53 2-STAGE FRONT
3" AND 4" LEAF
INSTALL INSTRUCTIONS**

10015893 - 3" LEAF

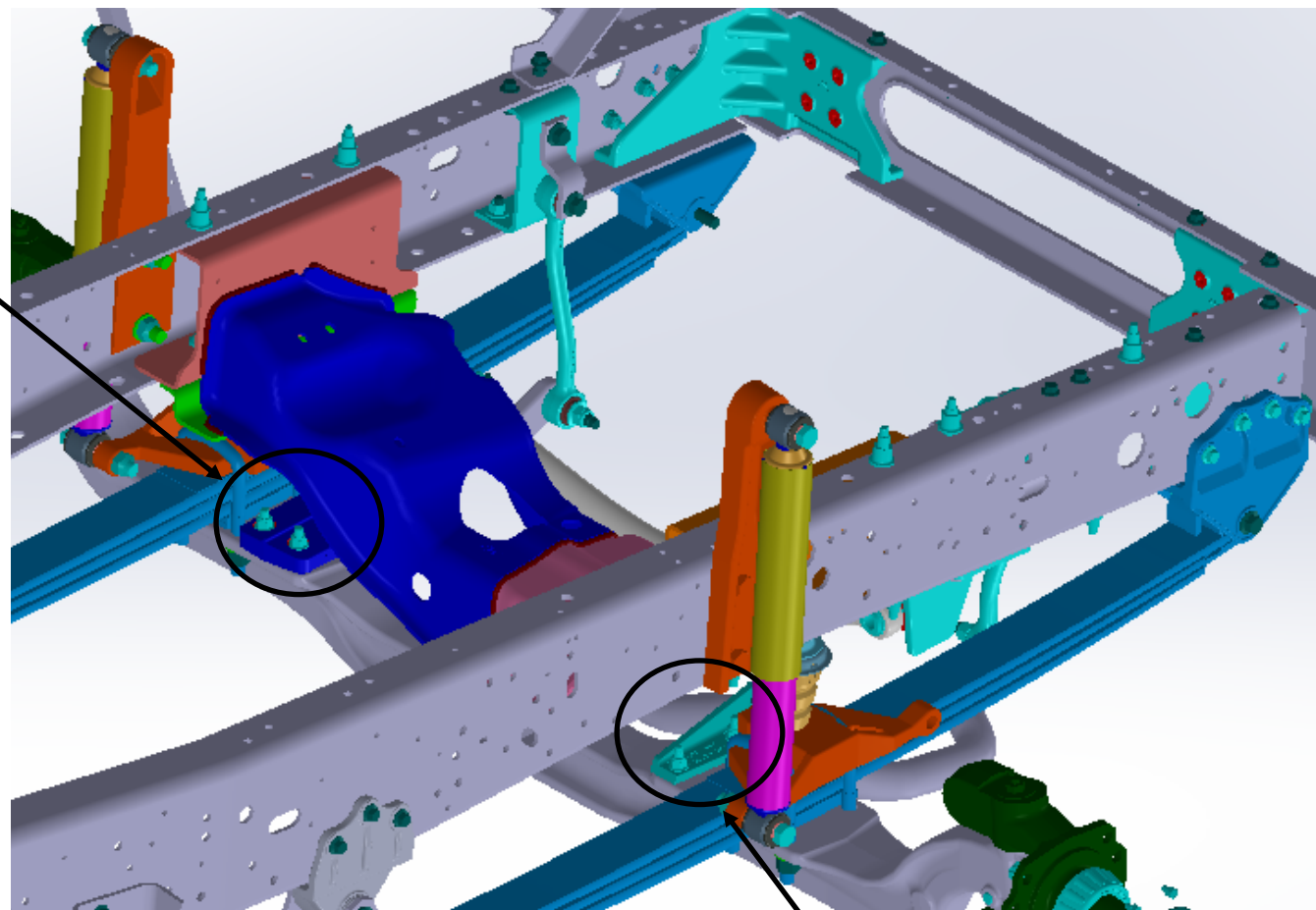
10016232 - 4" LEAF

2020+ Ford F53 2-Stage Front - OEM Disassembly

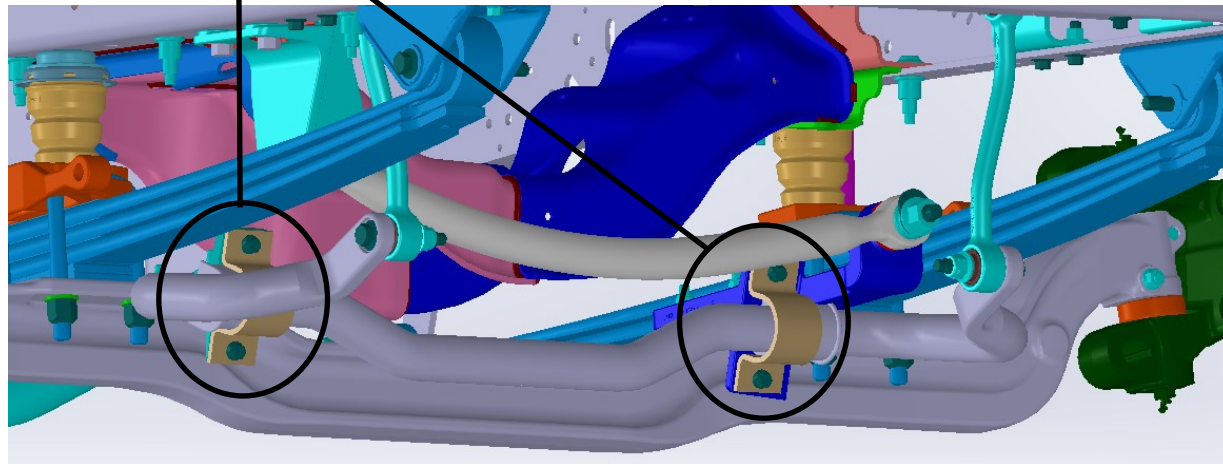


2020+ Ford F53 2-Stage Front - OEM Disassembly

Remove DS Sway Bar casting -
Keep OEM hardware for install



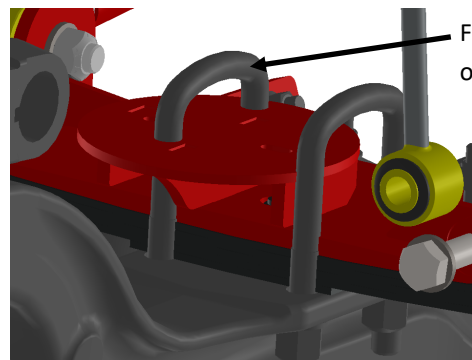
Un-bolt sway bar before removing sway bar castings -
Keep sway bar D-ring hardware



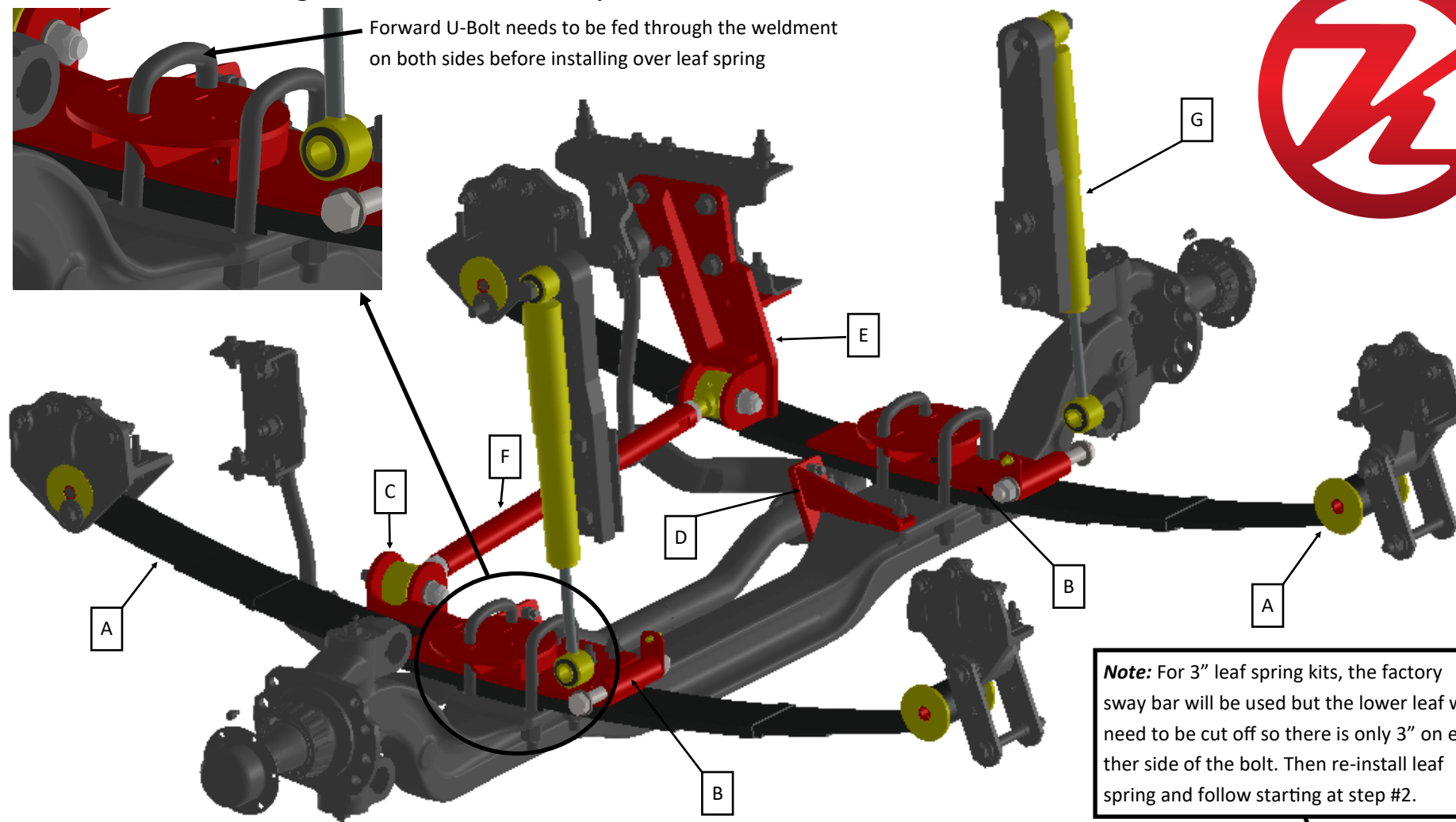
Remove PS Sway Bar casting -
Keep OEM hardware for install



2020+ Ford F53 2-Stage Front - Kit Assembly



Forward U-Bolt needs to be fed through the weldment on both sides before installing over leaf spring



Note: For 3" leaf spring kits, the factory sway bar will be used but the lower leaf will need to be cut off so there is only 3" on either side of the bolt. Then re-install leaf spring and follow starting at step #2.

1. Install provided 4" leaf springs (A) with top hat poly bushings, press-in sleeves and OEM hardware.
2. Install lower bag/leaf spring weldments (B) over leaf spring (A) and use OEM U-bolts and hardware to tighten down.
3. Install Sway Bar Mount (C) & PHB Mount (D) weldments with OEM hardware and re-attach factory sway bar with OEM hardware.
4. Install PS PHB mount weldment (E) to the factory location with OEM Hardware. Then install PHB (F) with johnny joints and jam nuts on each side.
5. Install provided Shocks (G) to factory position on top with OEM hardware.

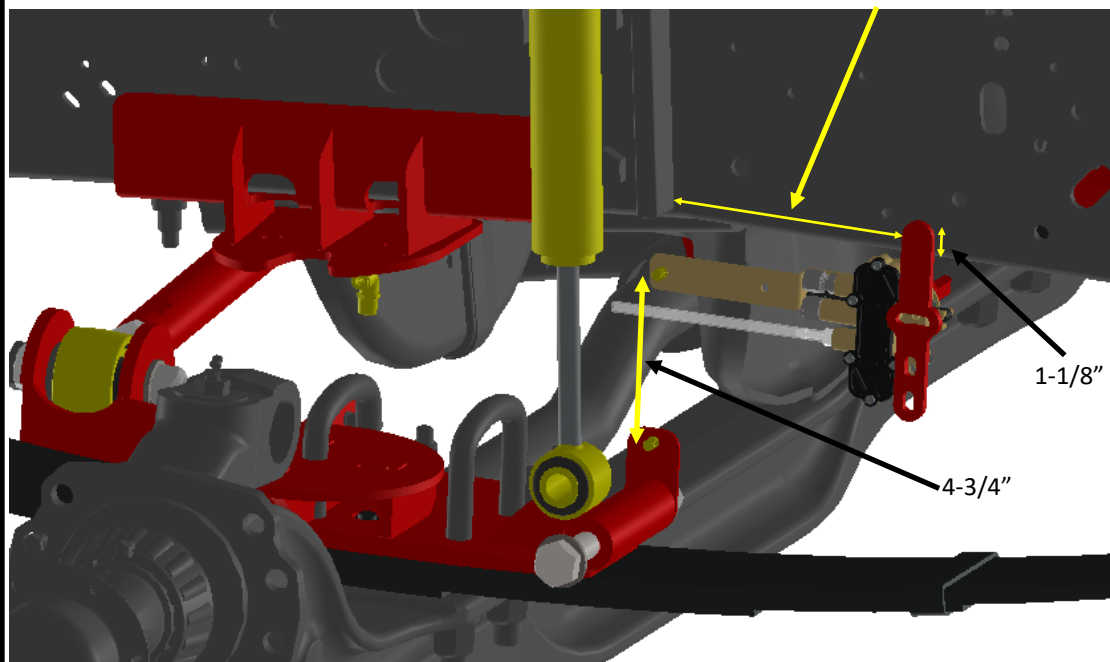
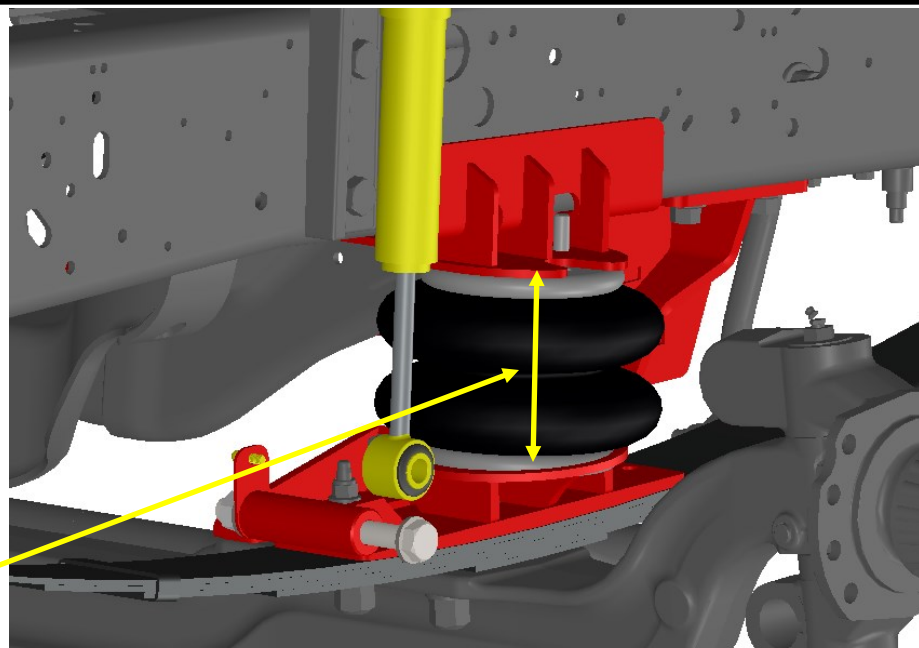


2020+ Ford F53 2-Stage Front - Kit Assembly

1. Install the Upper Bag Weldment with provided M16-2 x 50mm Flange bolts and nuts, in the location where the huck bolts were removed. Do this for both sides of the truck.
2. Lower the vehicle to attach the air bag to the Upper and Lower Bag mounts with 3/8"-16 x 1" bolts on the lower and 1/2"-13 hex nuts on the upper.
3. Attach the lower part of the shock to the lower bag mount with provided 3/4"-16 x 8" bolts, washers and lock nuts. Make sure to install sensor linkage plate before tightening down bolts.
4. Install 90° air fittings to the air bags with pneumatic sealant and 5/16"-18 ball studs to mechanical sensor and linkage plates.

5-3/4"-6" Bag Height

6-5/8"



5. Mark out 6-5/8" from factor shock mount and 1-1/8" from the bottom of the frame and weld in the sensor mount as shown. Do this on both sides of the vehicle.

6. Install mechanical sensor to the inside of the sensor mounts with provided hardware and 5/16"-18 ball studs.

7. Inflate the air bags to 5-3/4" - 6" from upper bag plate to lower bag plate.

8. The linkage between the ball stud on the lower bag linkage plate and the mechanical sensor will have to be cut to length based on the application but should be about 4-3/4" center to center.

