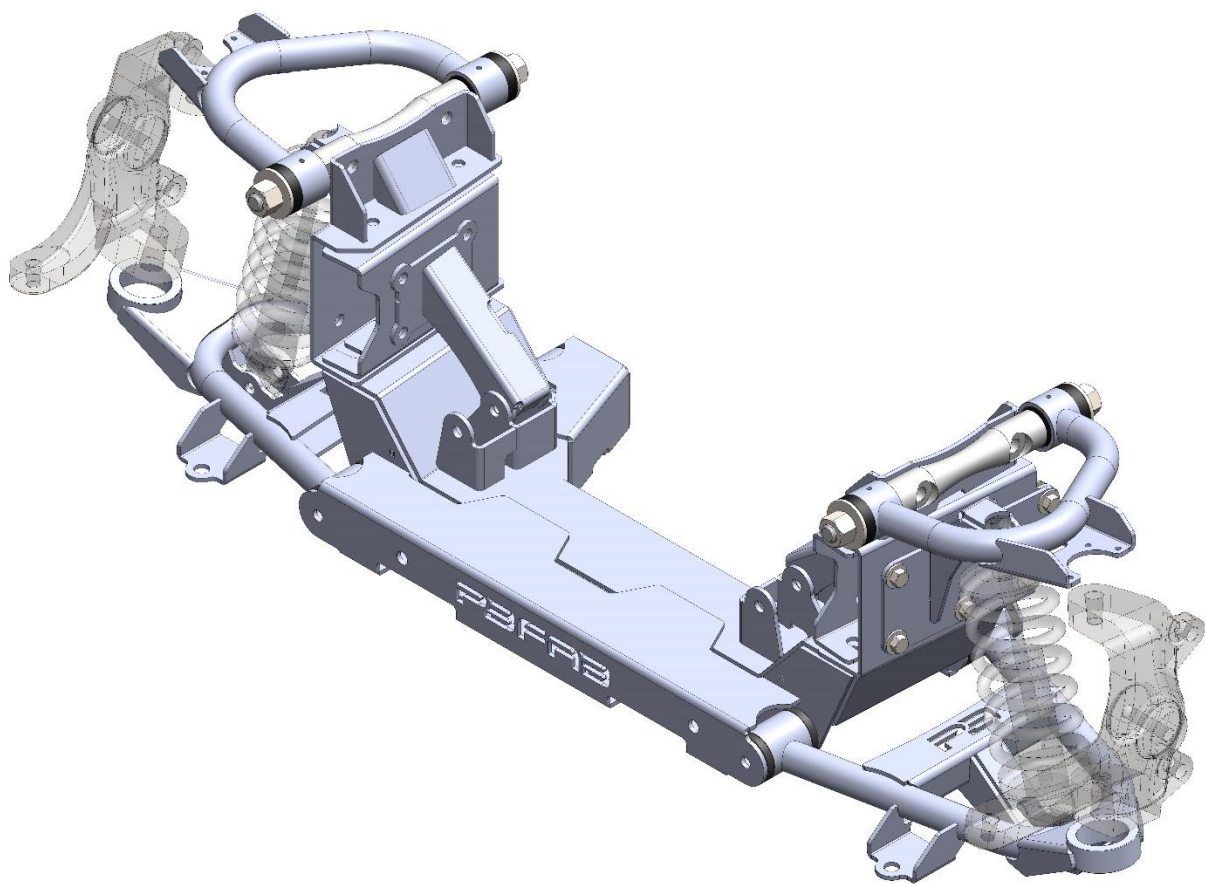


PBFAB DROPMEMBER V.7
INSTALLATION GUIDE 73-87
(LEVEL 2 COIL-OVER)

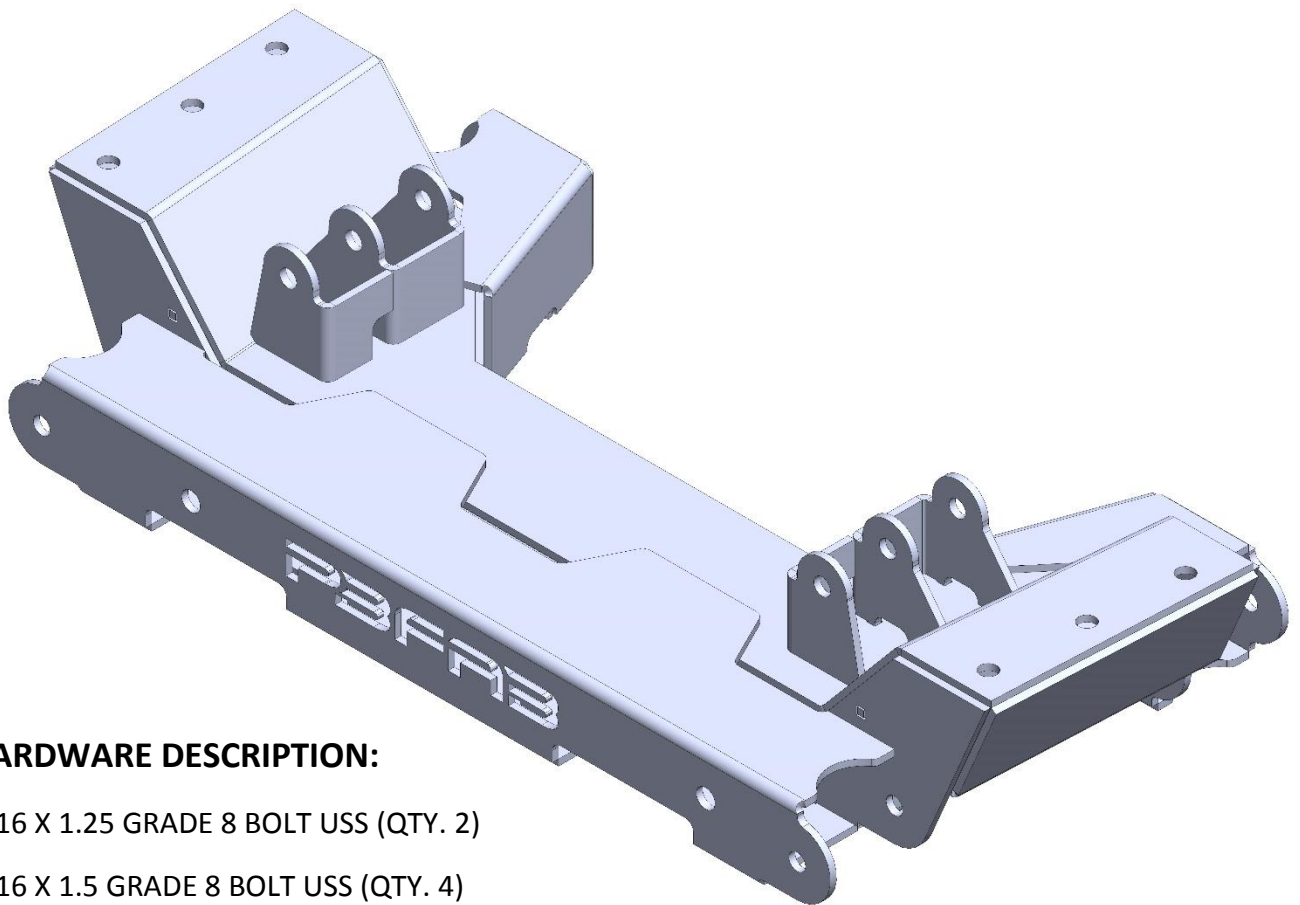


12/2/2019

SECTION 1: INDIVIDUAL COMPONENTS WITH HARWDARE DESCRIPTIONS

PART# DM7-3

DESCRIPTION: DROPMEMBER VERSION 7; LEVEL 3



HARDWARE DESCRIPTION:

7/16 X 1.25 GRADE 8 BOLT USS (QTY. 2)

7/16 X 1.5 GRADE 8 BOLT USS (QTY. 4)

7/16 GRADE 8 LOCKWASHER (QTY. 6)

3/8 GRADE 8 FLAT WASHER (QTY. 6)

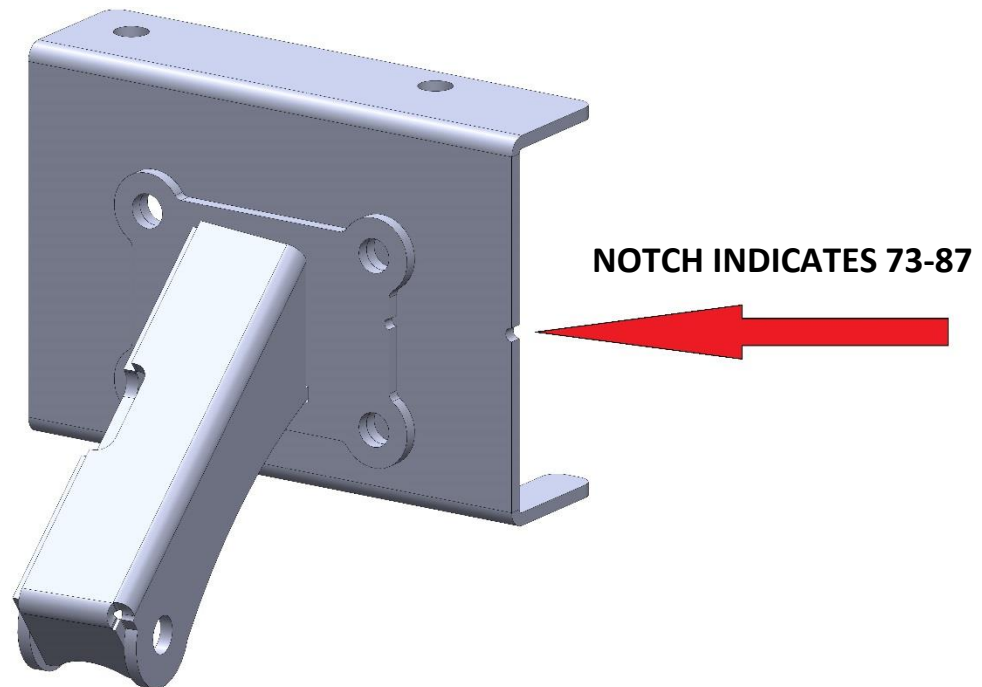
1/2 X 4 GRADE 8 BOLT USS (QTY.4)

1/2 GRADE 8 NYLOC NUT USS (QTY.4)

7/16 GRADE 8 FLAT WASHER USS (QTY.8)

PART# IT7387-DM7-3

DESCRIPTION: INNER TRUSS; 73-87 C10; DM7 LEVEL 3 SPECIFIC (**DRIVER SIDE SHOWN**)



HARDWARE DESCRIPTION:

1/2 X 5 GRADE 8 BOLT USS (QTY. 2)

1/2 GRADE 8 NYLOC NUT USS (QTY. 2)

7/16 GRADE 8 FLAT WASHER USS (QTY. 4)

7/16 X 1.25 GRADE 8 BOLT USS (QTY. 8)

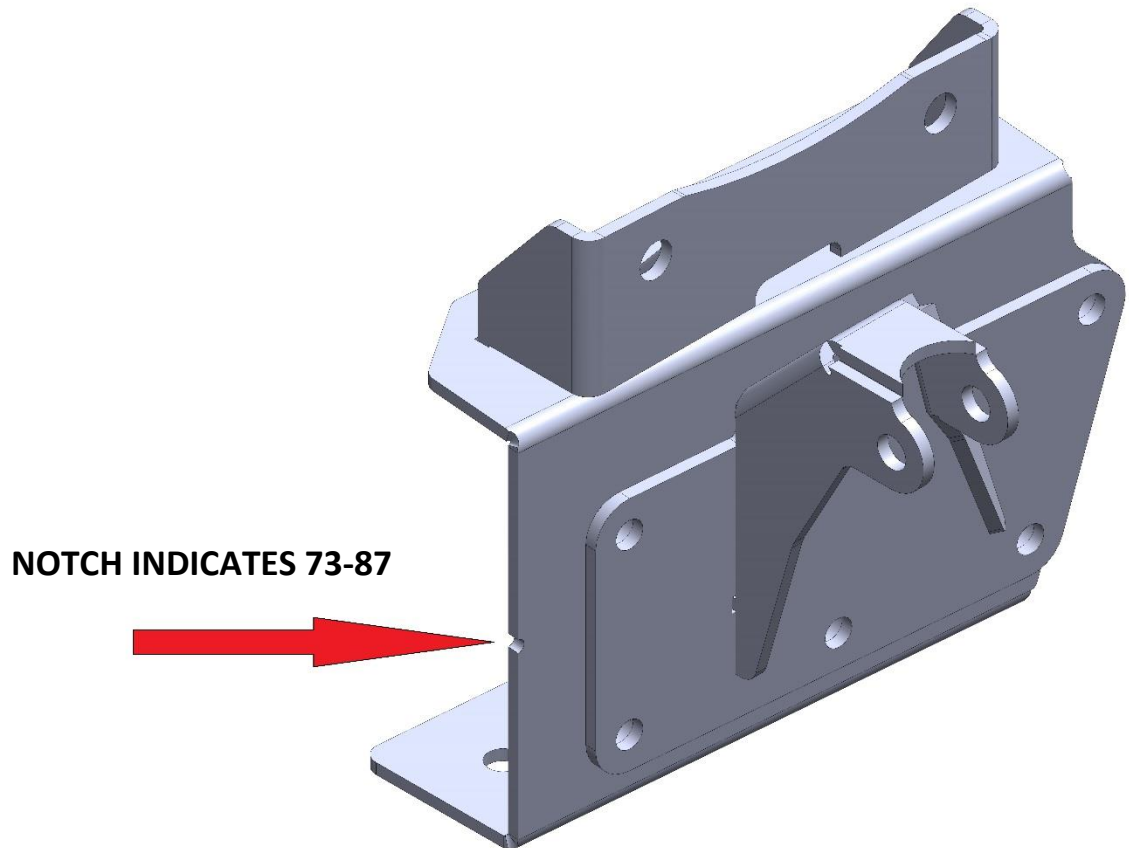
7/16 GRADE 8 NYLOC NUT USS (QTY. 8)

3/8 GRADE 8 FLAT WASHER (QTY. 16)

(DRIVER SIDE SHOWN)

PART# UH7387-2-C-DM7

DESCRIPTION: UPPER HAT 73-87; LEVEL 2; COIL OVER; DM7 SPECIFIC



HARDWARE DESCRIPTION:

7/16 X 1.25 GRADE 8 BOLT USS (QTY. 16)

3/8 GRADE 8 FLAT WASHER USS (QTY. 32)

7/16 GRADE 8 NYLOC NUT USS (QTY. 16)

1/2 X 2.5 GRADE 8 BOLT USS (QTY. 4) *****COIL-OVER MOUNTING BOLTS*****

1/2 GRADE 8 NYLOC NUT USS (QTY. 4)

7/16 GRADE 8 FLAT WASHER (QTY. 8)

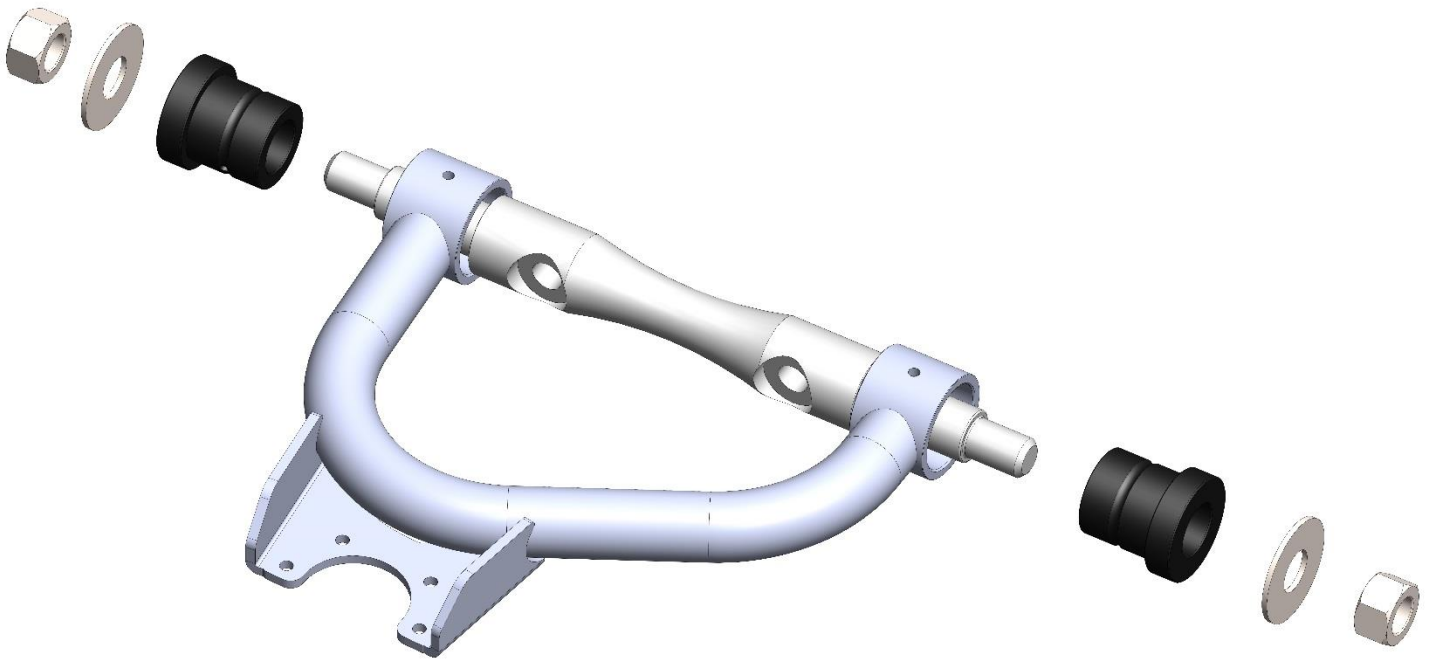
9/16 X 2.75 GRADE 8 BOLT USS (QTY. 4)

9/16 GRADE 8 NYLOC NUT USS (QTY. 4)

9/16 GRADE 8 FLAT WASHER SAE (QTY. 8)

PART# UCA-1N-C10

DESCRIPTION: UPPER CONTROL ARM; 1 INCH NARROWED; C10 BALL JOINT CUP
(ALSO COMPATIBLE WITH C30 BALL JOINT)



HARDWARE DESCRIPTION:

UPPER CONTROL ARM SHAFT (QTY. 2)

UPPER CONTROL ARM BUSHING (QTY. 4)

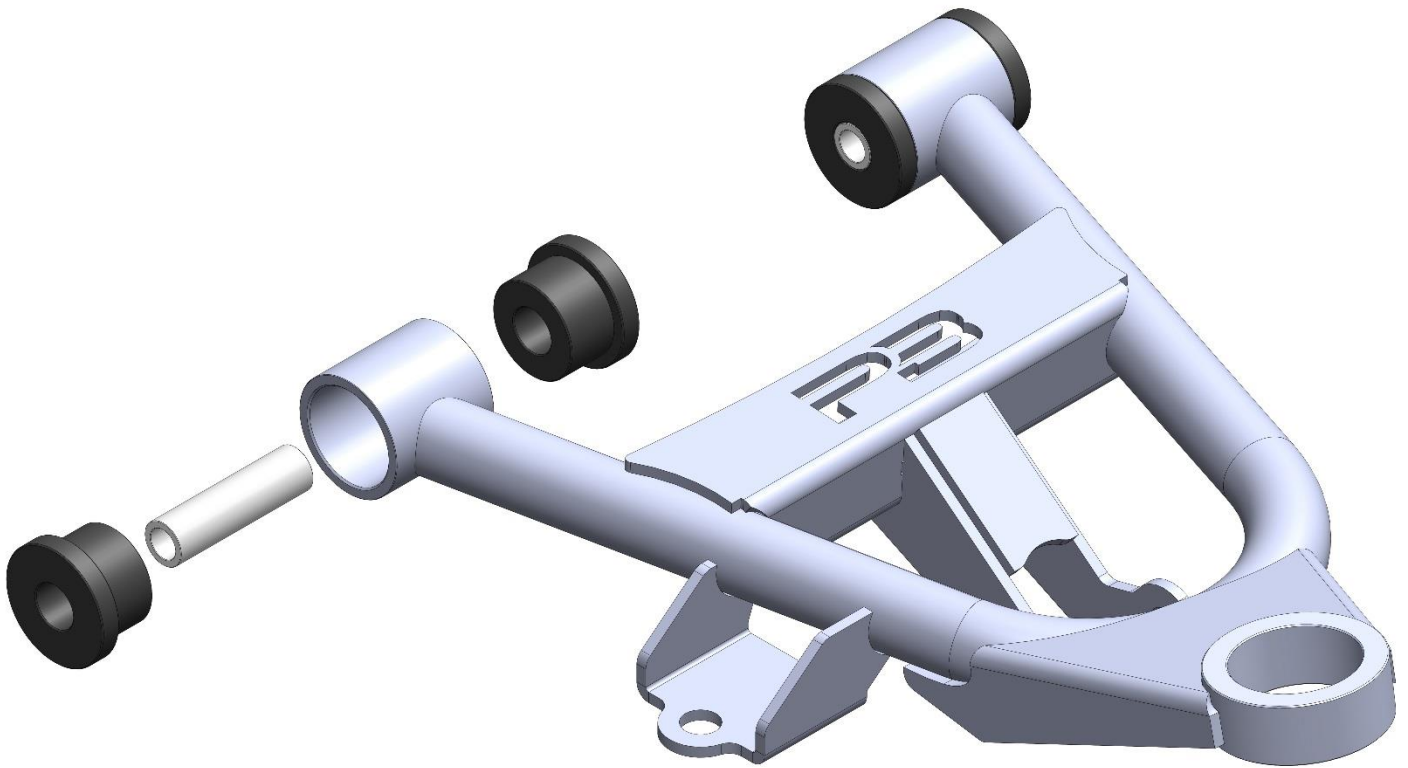
3/4 GRADE 5 FLAT WASHER (SILVER ZINC) (QTY. 4)

3/4 GRADE 5 NYLOC NUT SAE (SILVER ZINC) (QTY. 4)

GREASABLE ZERK FITTING (QTY. 4)

PART# LCA-1N-C10-DM7-C

DESCRIPTION: LOWER CONTROL ARM; 1 INCH NARROWED; C10 BALL JOINT; DM7 SPECIFIC; COIL OVER SPECIFIC



HARDWARE DESCRIPTION:

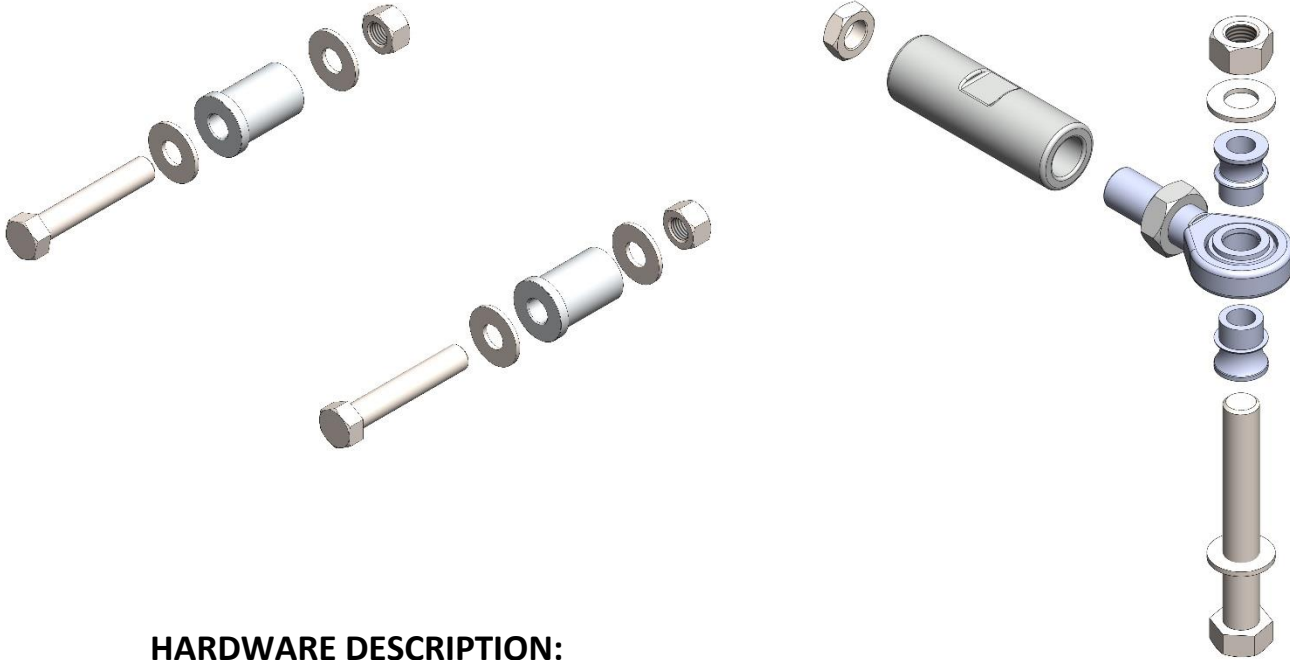
LOWER CONTROL ARM BUSHING (DMV6) (QTY. 8)

LOWER CONTROL ARM BUSHING CRUSH TUBE (DMV6) (QTY. 4)

GREASABLE ZERK FITTING (QTY. 4)

PART# RPH

DESCRIPTION: RACK AND PINION HARWDARE KIT



HARDWARE DESCRIPTION:

3/4 LH – 3/4 BORE ROD END WITH JAM NUT (QTY.2)

TIE ROD ADJUSTER SLEEVE (QTY.2)

9/16-18 RH JAM NUT (QTY.2)

BILLET RACK MOUNT BUSHING (QTY.2)

9/16 X 3.5 GRADE 8 BOLT USS (QTY.2)

9/16 GRADE 8 FLAT WASHER USS (QTY.4)

9/16 GRADE 8 NYLOC NUT USS (QTY.2)

5/8 X 4.5 GRADE 8 BOLT USS (QTY.2)

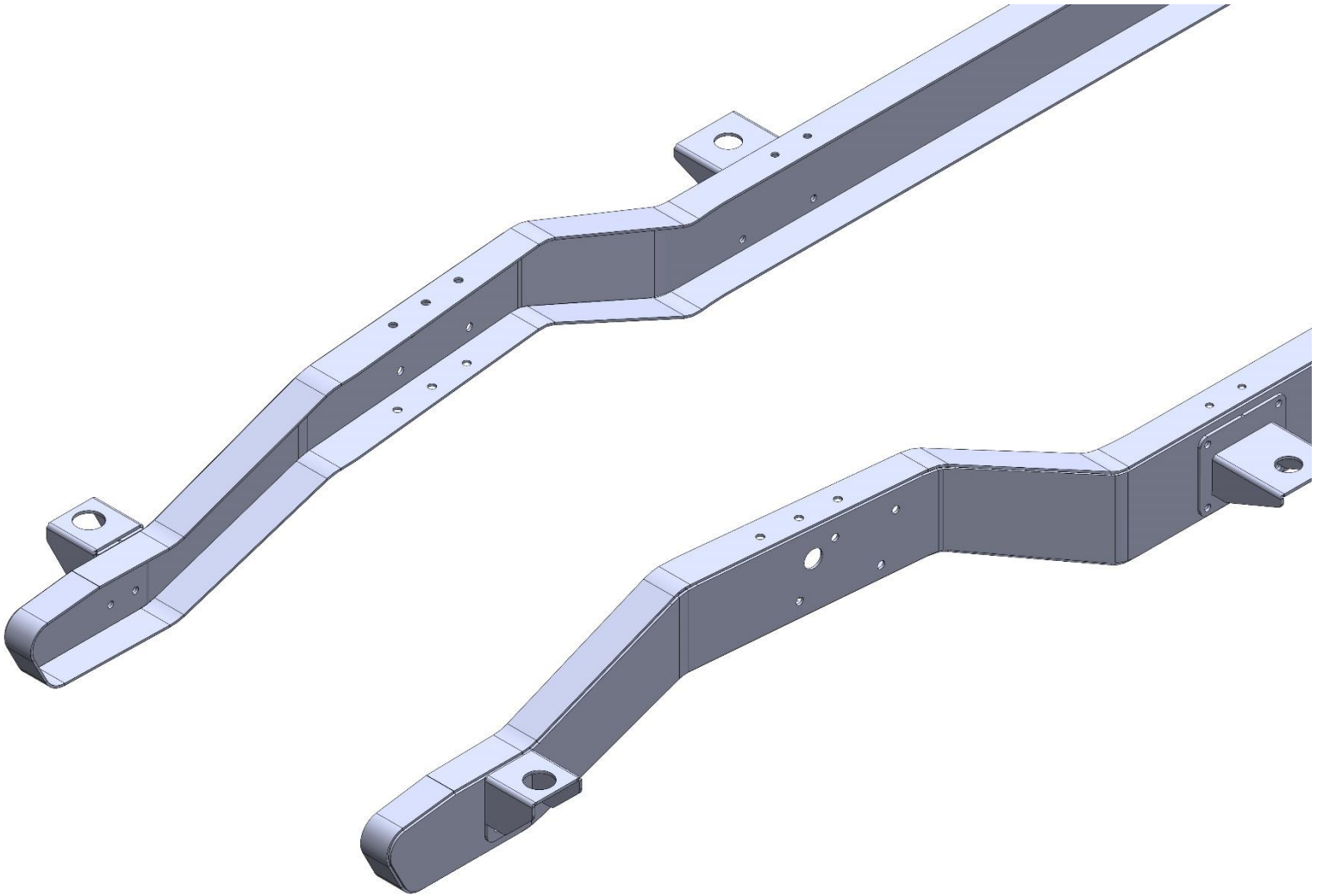
5/8 GRADE 8 NYLOC NUT USS (QTY.2)

5/8 GRADE 8 FLAT WASHER SAE (QTY.4)

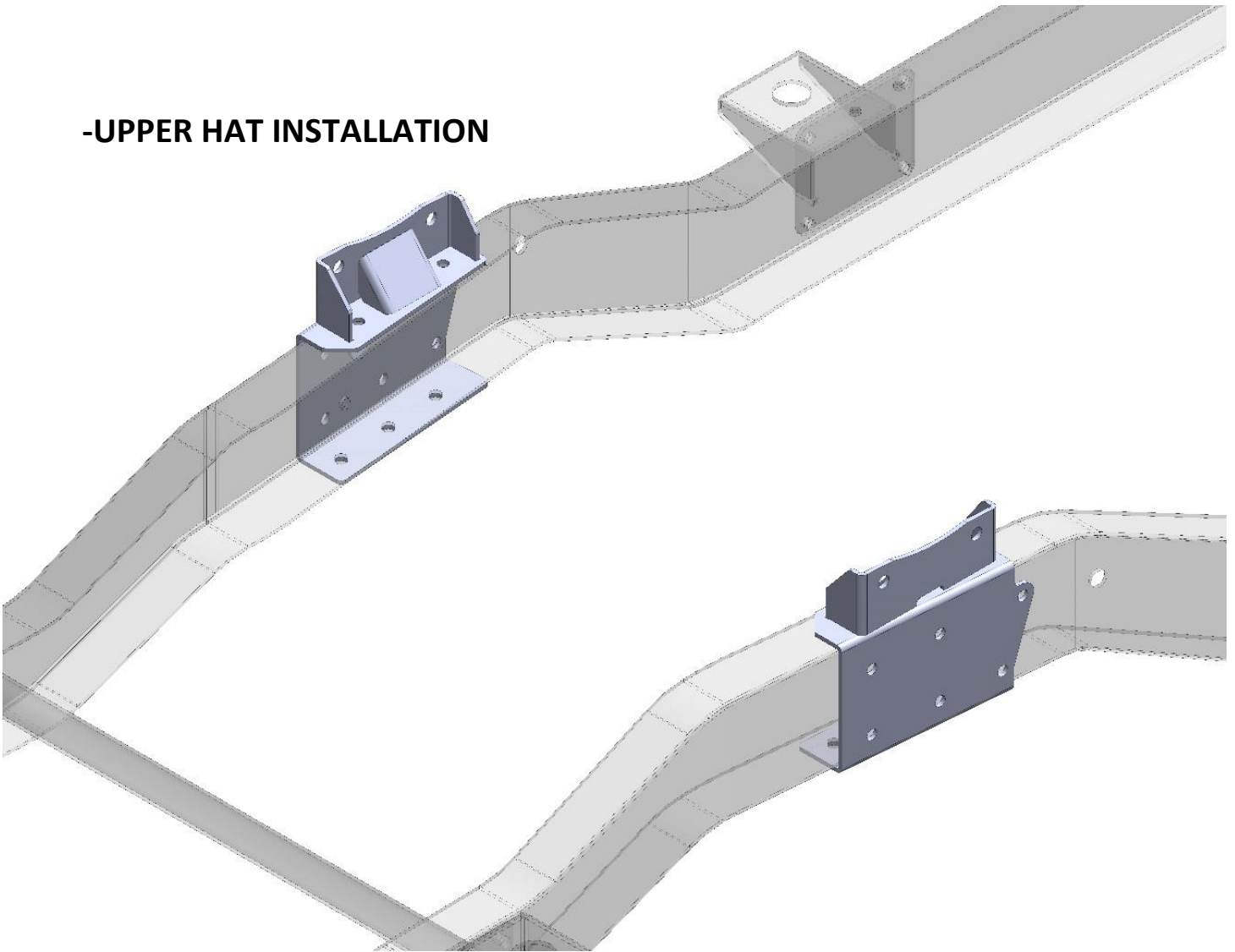
3/4 TO 5/8 MISALIGNMENT SPACER (QTY.4)

SECTION 2: PARTS INSTALLATION

-REMOVE FACTORY SUSPENSION/STEERING COMPONENTS



-UPPER HAT INSTALLATION



-SLIDE DRIVER AND PASSENGER SIDE UPPER HATS OVER FACTORY FRAME RAILS.

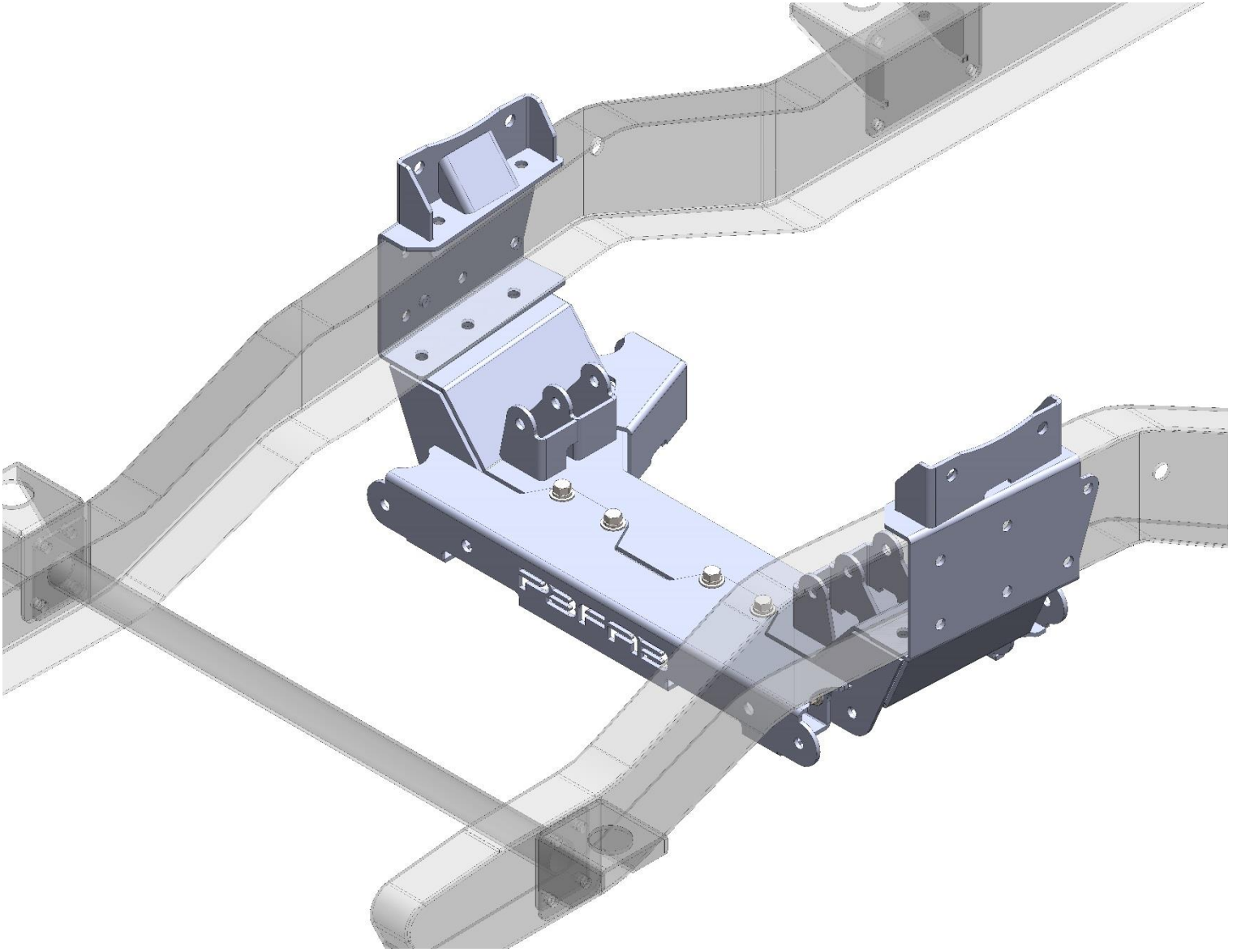
-FACTORY CROSS-MEMBER MOUNTING HOLES IN BOTTOM OF FRAME WILL ALIGN WITH MOUNTING HOLES IN UPPER HATS.

-IT MAY BE NECESSARY TO SLIGHTLY ENLARGE MOUNTING HOLES IN FACTORY FRAME-RAILS.

-DRILL ADDITIONAL MOUNTING HOLES IN SIDE AND TOP OF FRAME USING UPPER HAT AS TEMPLATE.

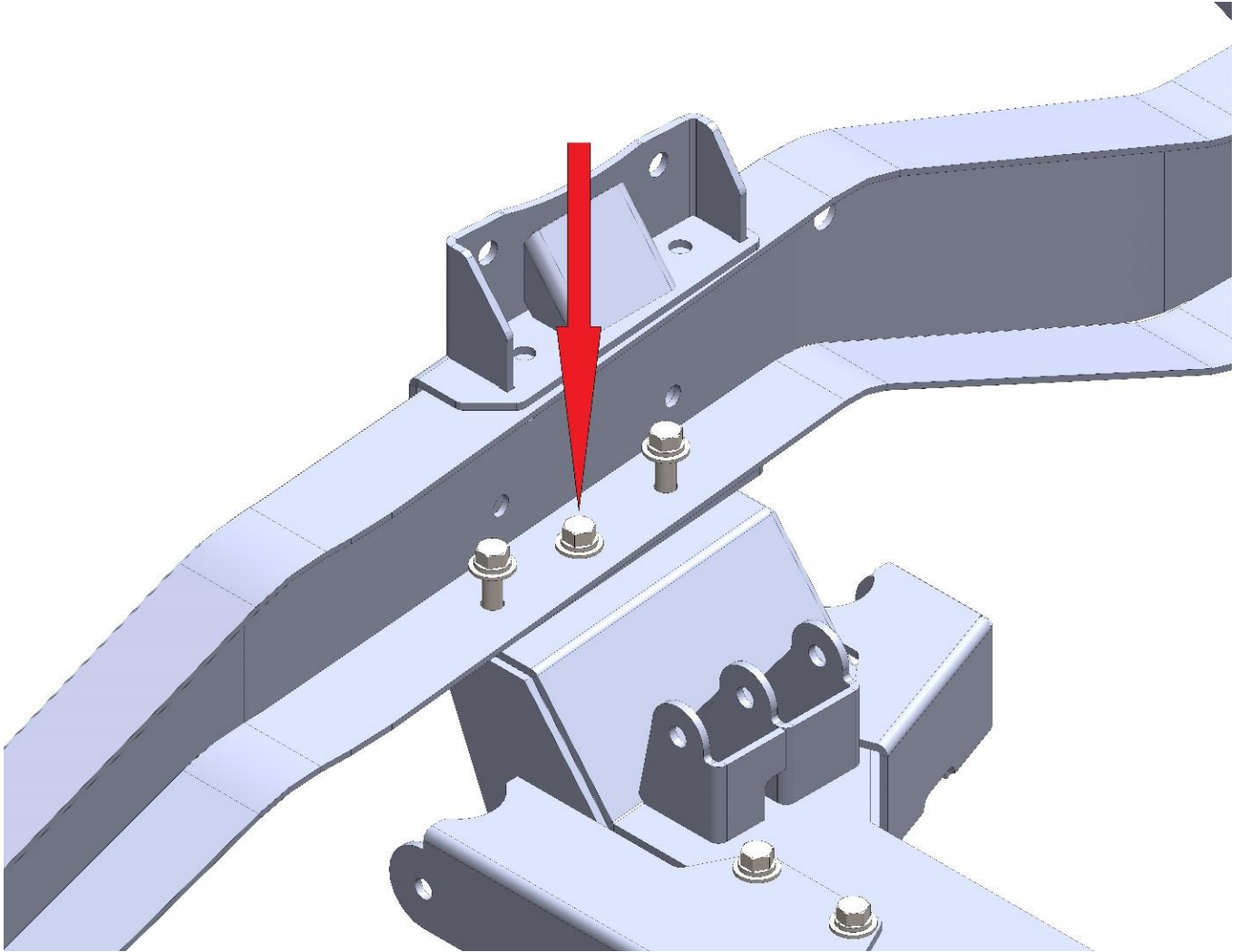
-DO NOT INSTALL MOUNTING HARDWARE AT THIS TIME.

-DROPMEMBER MAIN CROSS-MEMBER INSTALLATION



**-DROPMEMBER TO FRAME MOUNTING HOLES WILL ALIGN WITH
FACTORY CROSS-MEMBER TO FRAME MOUNTING HOLES.**

***** CONTINUED ON NEXT PAGE *****



-INSTALL SUPPLIED 7/16 X 1.25" GRADE 8 BOLTS WITH LOCK WASHER AND FLAT WASHER IN MIDDLE MOUNTING HOLE. (INDICATED BY RED ARROW)

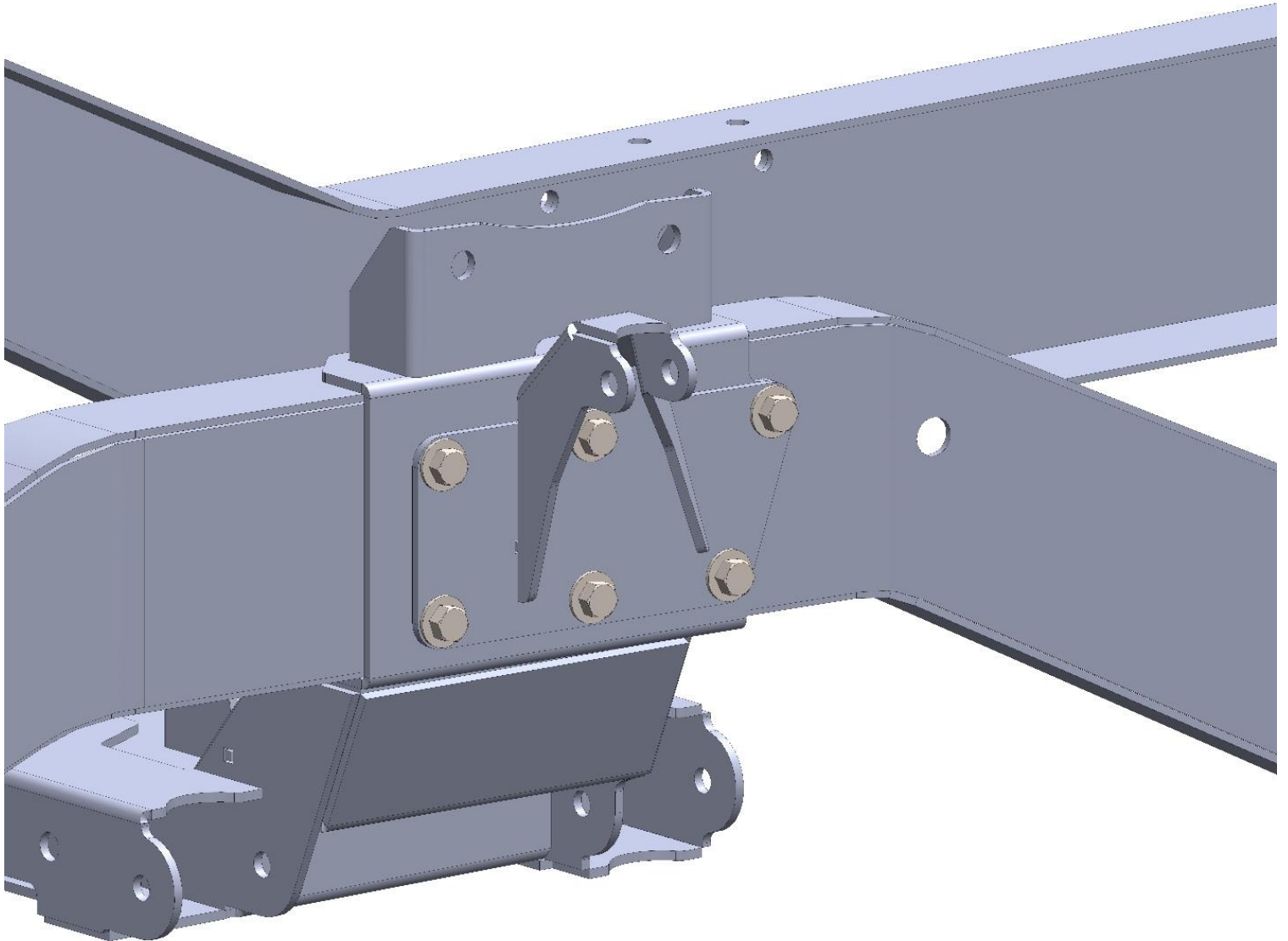
-INSTALL 7/16 X 1.5" GRADE 8 BOLTS WITH LOCKWASHER AND FLAT WASHER IN FRONT AND REAR MOUNTING HOLES AS PICTURED.

-AFTER ALL HARDWARE HAS BEEN STARTED, FULLY TIGHTEN MIDDLE MOUNTING BOLTS *****MAKE SURE UPPER HAT SITS FLUSH AGAINST OUTSIDE OF FRAME WHILE TIGHTENING*****

-LEAVE FRONT AND REAR MOUTNING BOLTS STARTED, DO NOT YET TIGHTEN.

*** CONTINUED ON NEXT PAGE ***

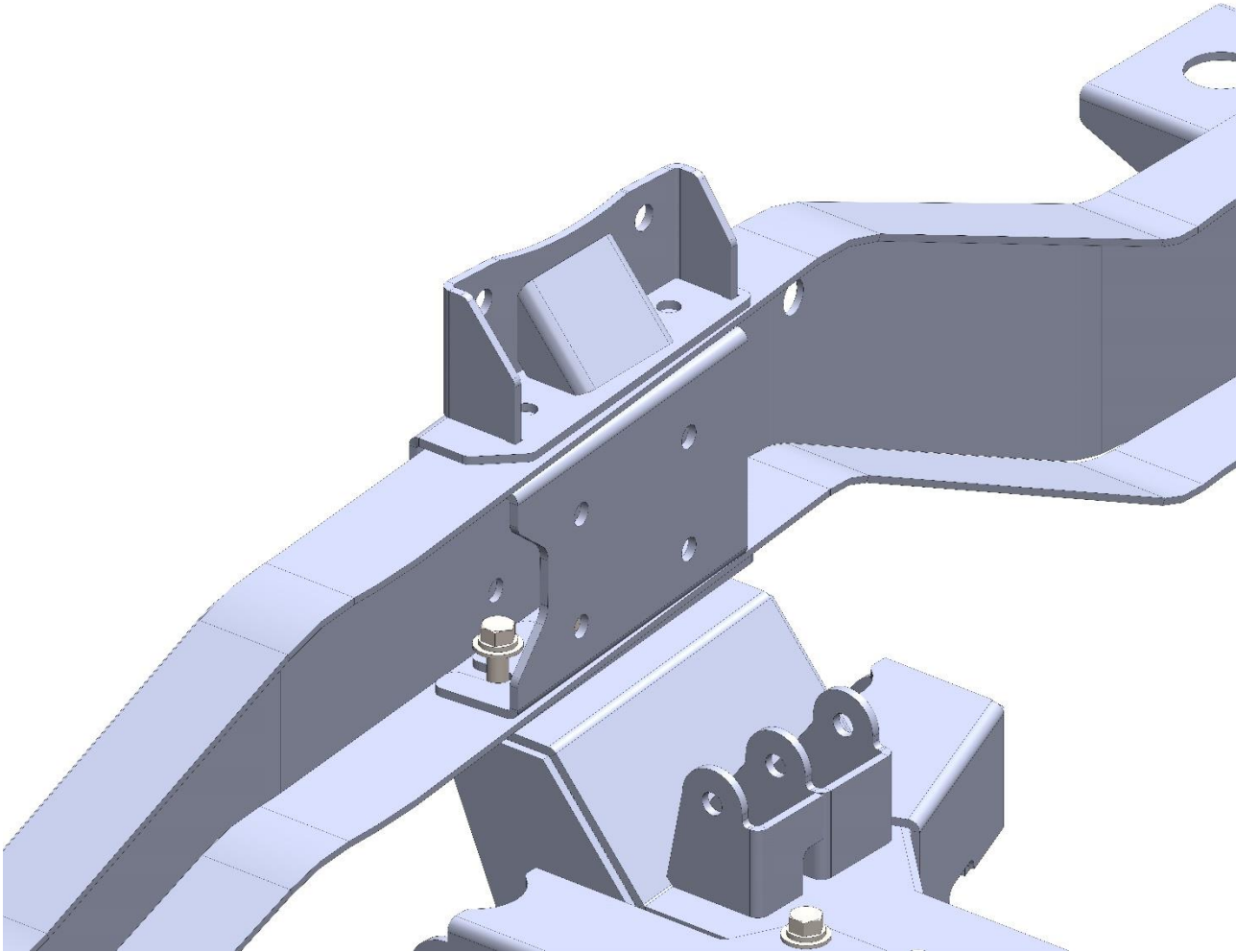
-COIL OVER MOUNTING BRACKET INSTALLATION



**-INSTALL COIL OVER MOUNTING BRACKET USING SUPPLIED
7/16 X 1.25" GRADE 8 BOLTS WITH FLAT WASHER AND NYLOC NUT**

*****DO NOT FULLY TIGHTEN AT THIS TIME*****

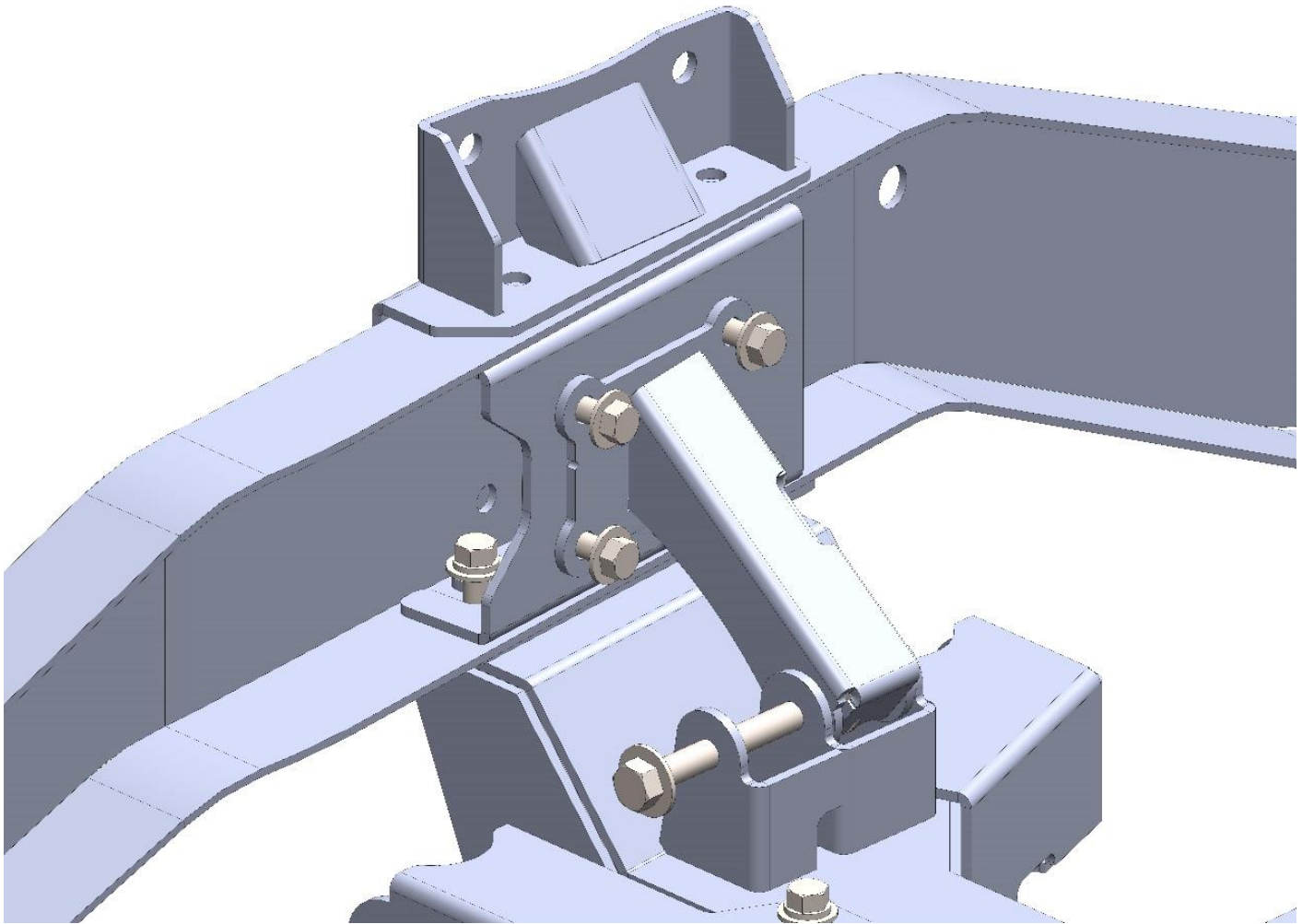
-INNER TRUSS INSTALLATION



-SLIDE INNER TRUSS FRAME SUPPORT C-CHANNEL INTO FRAME.

-HOLD THE WASHERS ON THE FRONT AND REAR DROPMEMBER MOUNTING BOLTS UP SO THAT THE C-CHANNEL CAN SLIDE INTO PLACE.

*****CONTINUED ON NEXT PAGE*****



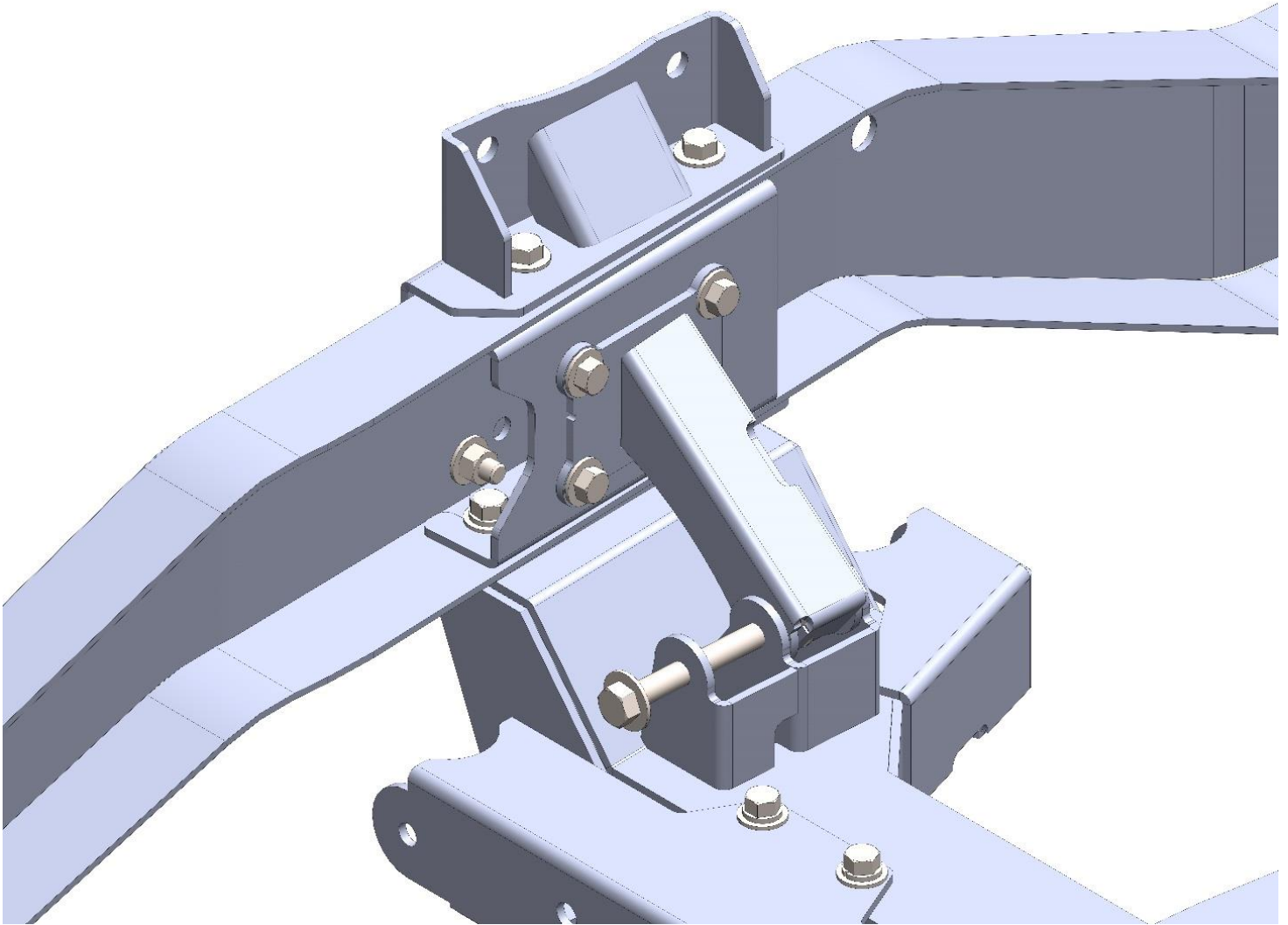
-INSTALL INNER TRUSS SUPPORT STRUT

-INSTALL 7/16 X 1.25" GRADE 8 BOLTS WITH FLAT WASHERS AND NYLOC NUTS IN UPPER HATS. *****DO NOT YET FULLY TIGHTEN*****

- INSTALL 7/16 X 1.25" GRADE 8 BOLTS WITH FLAT WASHERS AND NYLOC NUTS IN INNER TRUSS SUPPORT. *****DO NOT YET FULLY TIGHTEN*****

-INSTALL 1/2 X 5" GRADE 8 BOLTS WITH FLAT WASHERS AND NYLOC NUTS IN INNER TRUSS SUPPORT STRUT TO DROPMEMBER MOUNTING TABS. *****DO NOT YET FULLY TIGHTEN*****

*****CONTINUED ON NEXT PAGE*****



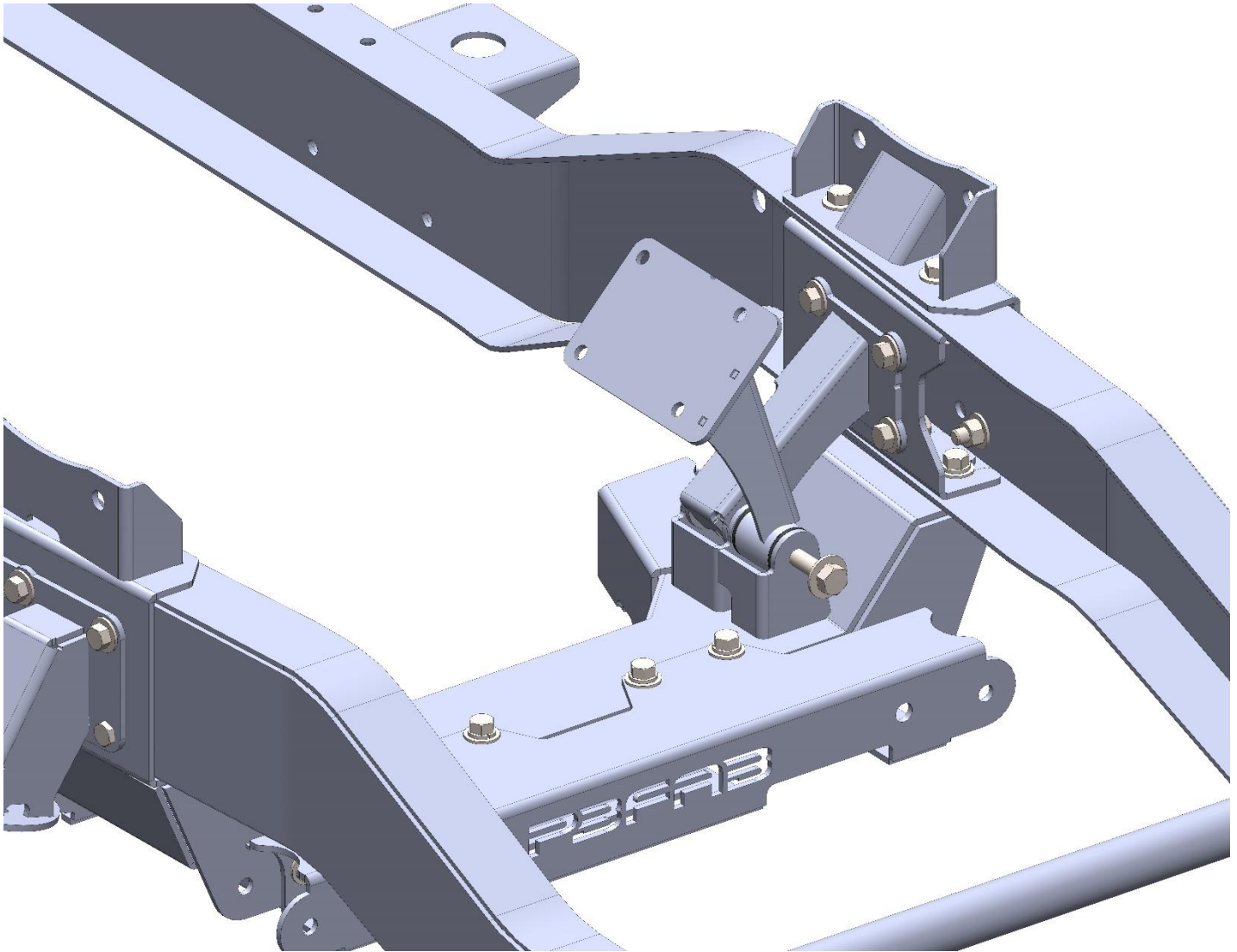
-FULLY TIGHTEN INNER TRUSS STRUT TO INNER TRUSS C-CHANNEL MOUNTING HARDWARE; TORQUE TO 65 FT-LBS

-INSTALL AND FULLY TIGHTEN ALL UPPER HAT MOUNTING HARDWARE; TORQUE TO 65 FT-LBS

-FULLY TIGHTEN FRONT AND REAR DROPMEMBER MOUNTING HARDWARE; TORQUE TO 65 FT-LBS

***** DO NOT YET TIGHTEN 1/2 X 5" BOLT *****

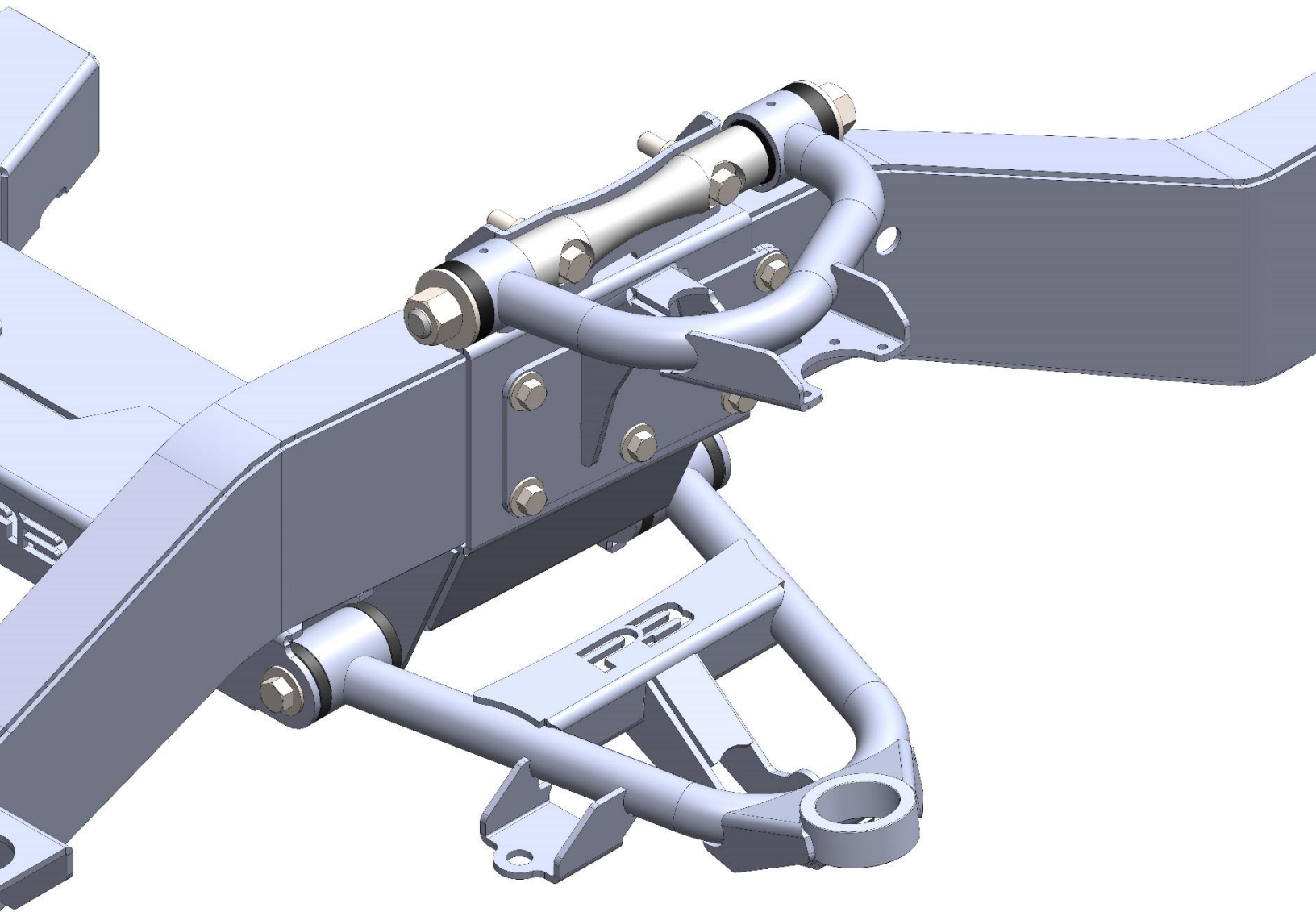
-MOTOR MOUNT INSTALLATION



-INSTALL MOTOR MOUNT PERCHES (GEN3 MOUNT SHOWN)

-LEAVE 1/2 X 5" GRADE 8 BOLT LOOSE UNTIL MOTOR INSTALLATION

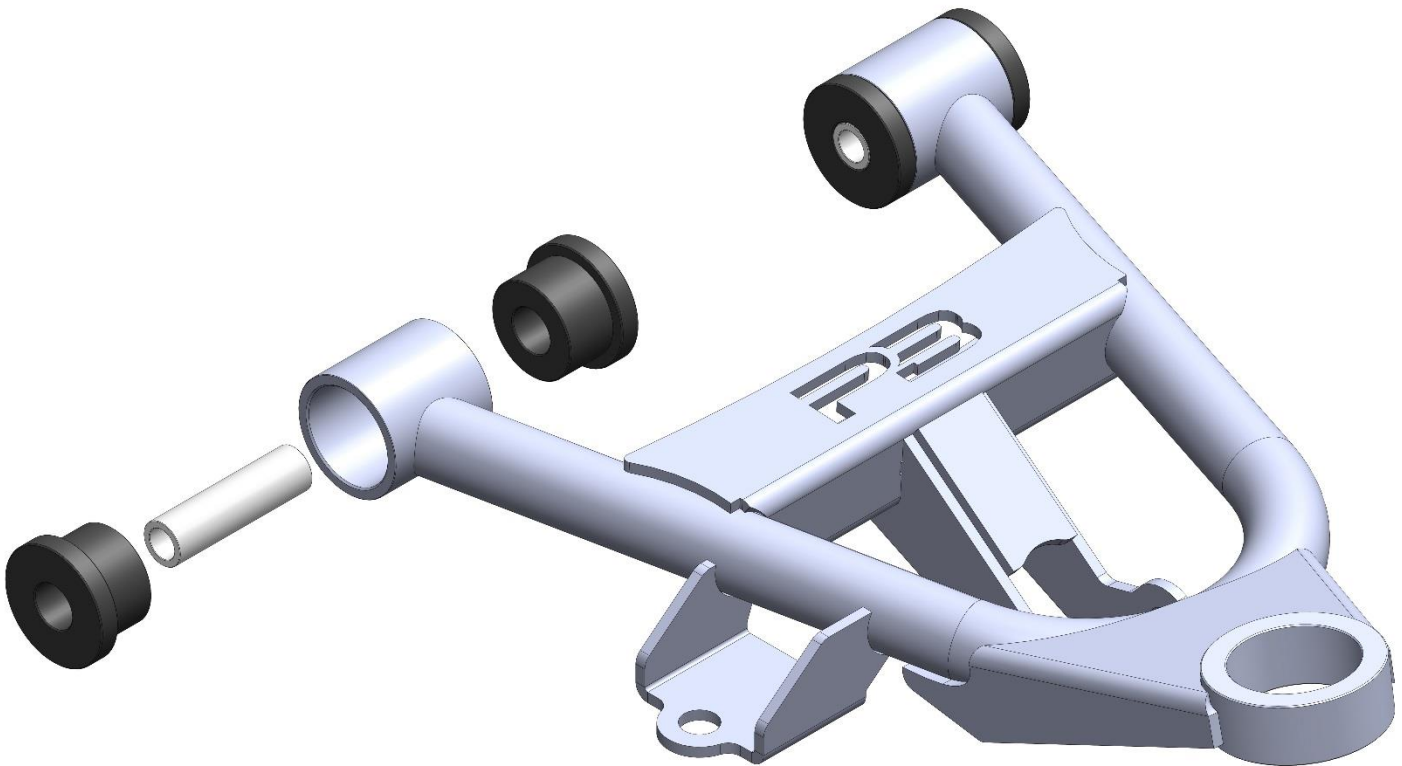
-CONTROL ARM INSTALLATION



*****MAKE SURE TO FOLLOW CONTROL ARM INSTALLATION INSTRUCTIONS CLOSELY TO ENSURE PROPER INSTALLATION*****

*****CONTINUED ON NEXT PAGE*****

-LOWER CONTROL ARM INSTALLATION



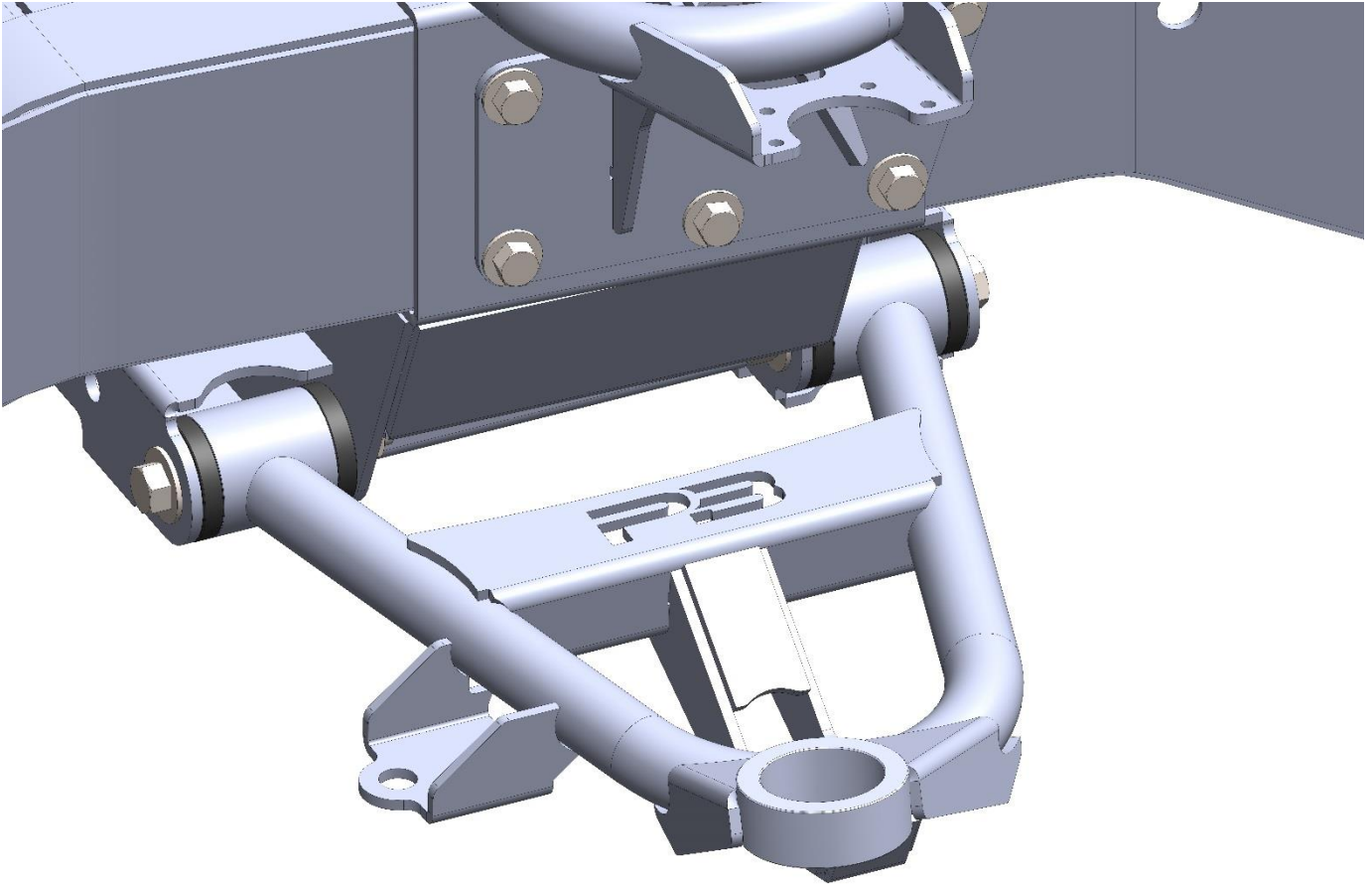
-USE DIAGRAM TO INSTALL DELRIN BUSHINGS AND DELRIN BUSHING CRUSH TUBES IN LOWER CONTROL ARM.

*****DRIVER SIDE ARM SHOWN IN IMAGE*****

-USE A TEFLON BASED HI-TEMP SYNTHETIC GREASE TO LUBRICATE BUSHINGS FOR INSTALLATION.

*****CONTINUED ON NEXT PAGE*****

-LOWER CONTROL ARM INSTALLATION

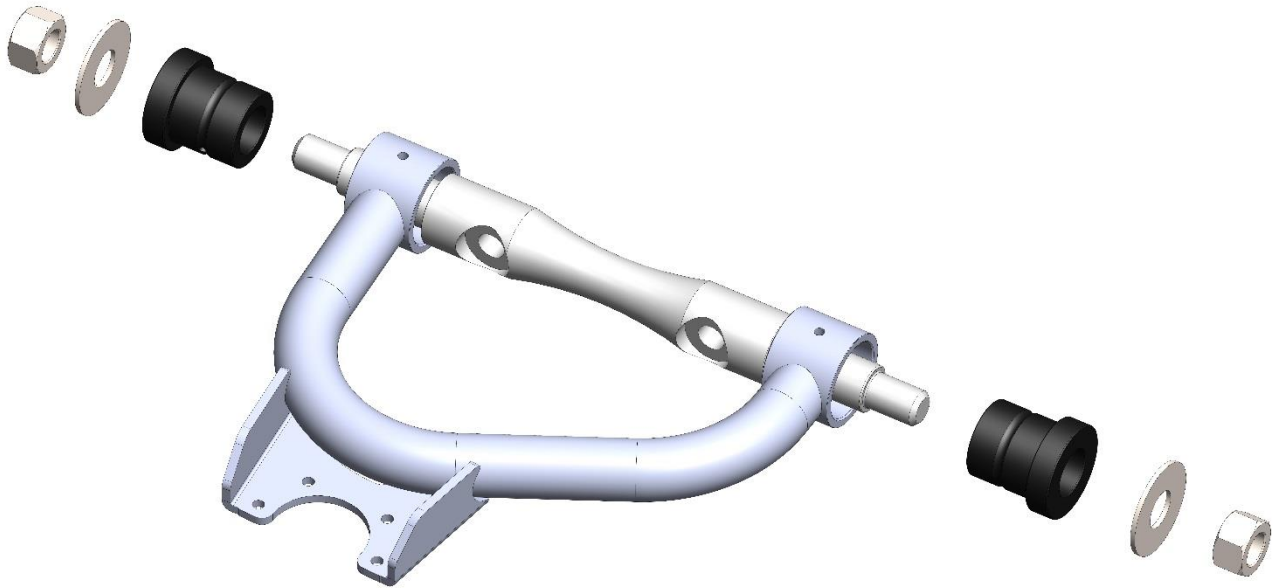


-USE SUPPLIED 1/2 X 4" GRADE 8 BOLT WITH FLAT WASHERS AND NYLOC NUT TO ATTACH LOWER CONTROL ARM TO DROPMEMBER.

-TIGHTEN LOWER CONTROL ARM MOUNTING BOLTS;TORQUE BOLTS TO 75 FT-LBS

*****CONTINUED ON NEXT PAGE*****

-UPPER CONTROL ARM INSTALLATION



-USE DIAGRAM TO INSTALL DELRIN BUSHINGS IN UPPER CONTROL ARM. *DRIVER SIDE ARM SHOWN IN IMAGE*****

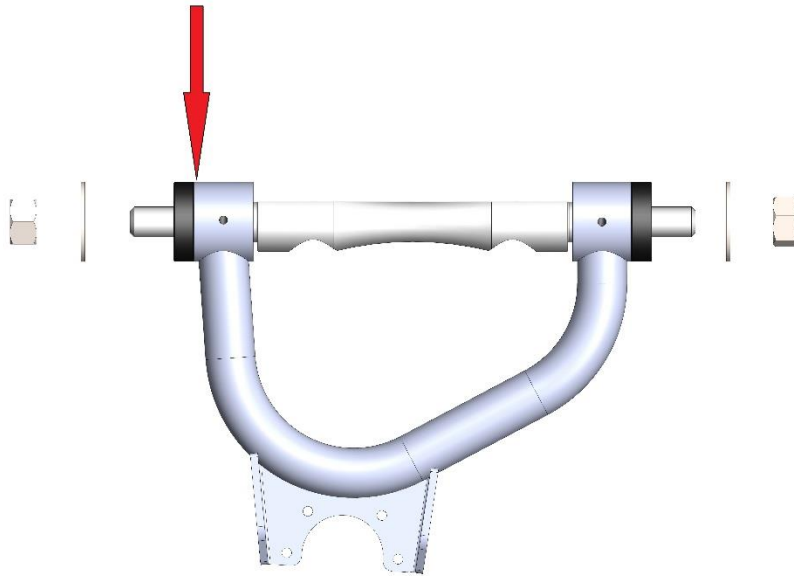
-USE A TEFLON BASED HI-TEMP SYNTHETIC GREASE TO LUBRICATE BUSHINGS FOR INSTALLATION.

*****DO NOT YET TIGHTEN ANY HARDWARE*****

*****CONTINUED ON NEXT PAGE*****

-UPPER CONTROL ARM INSTALLATION

The upper control arm bushing must be fully seated against the machined surface of the pivot tube BEFORE tightening the nyloc nut. DO NOT use the washer and nyloc nut to press the bushing into place. This can bind and break the bushing.



Once the bushing is fully seated, tighten the nyloc nut until the washer bottoms out against the machined shoulder on the cross-shaft. Then tighten 1/4 turn.

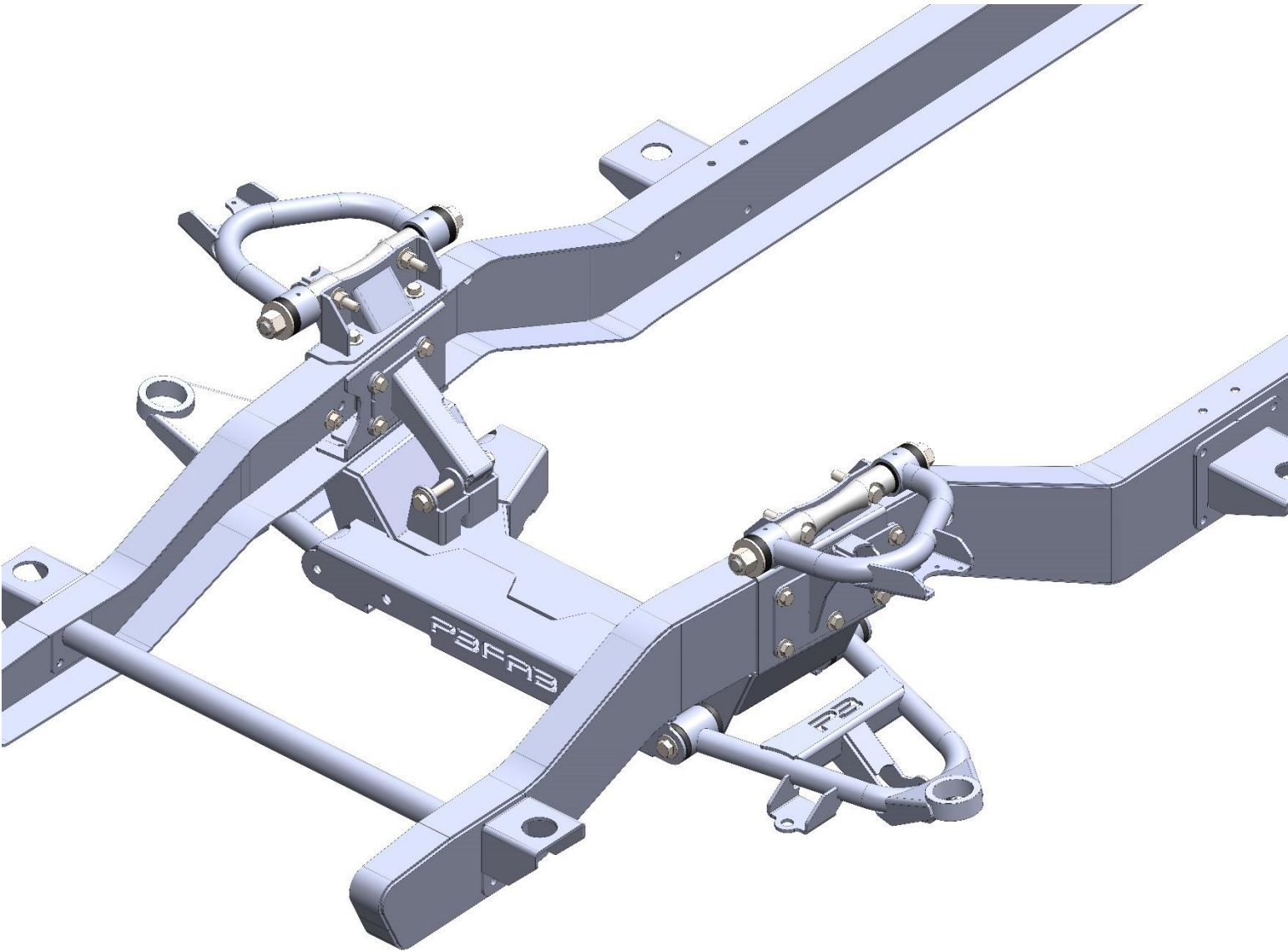
(DRIVER SIDE CONTROL ARM SHOWN)

-FOLLOW DIAGRAM CLOSELY TO ENSURE PROPER BUSHING INSTALLATION. FAILURE TO FOLLOW RECOMMENDATIONS WILL VOID ANY WARRANTY.

-IF UPPER CONTROL ARM BUSHINGS ARE REALLY TIGHT AND EXTREMELY DIFFICULT TO INSTALL; THROW THEM IN THE FREEZER FOR 20 MINUTES AND THEN RE-TRY INSTALLATION

*****CONTINUED ON NEXT PAGE*****

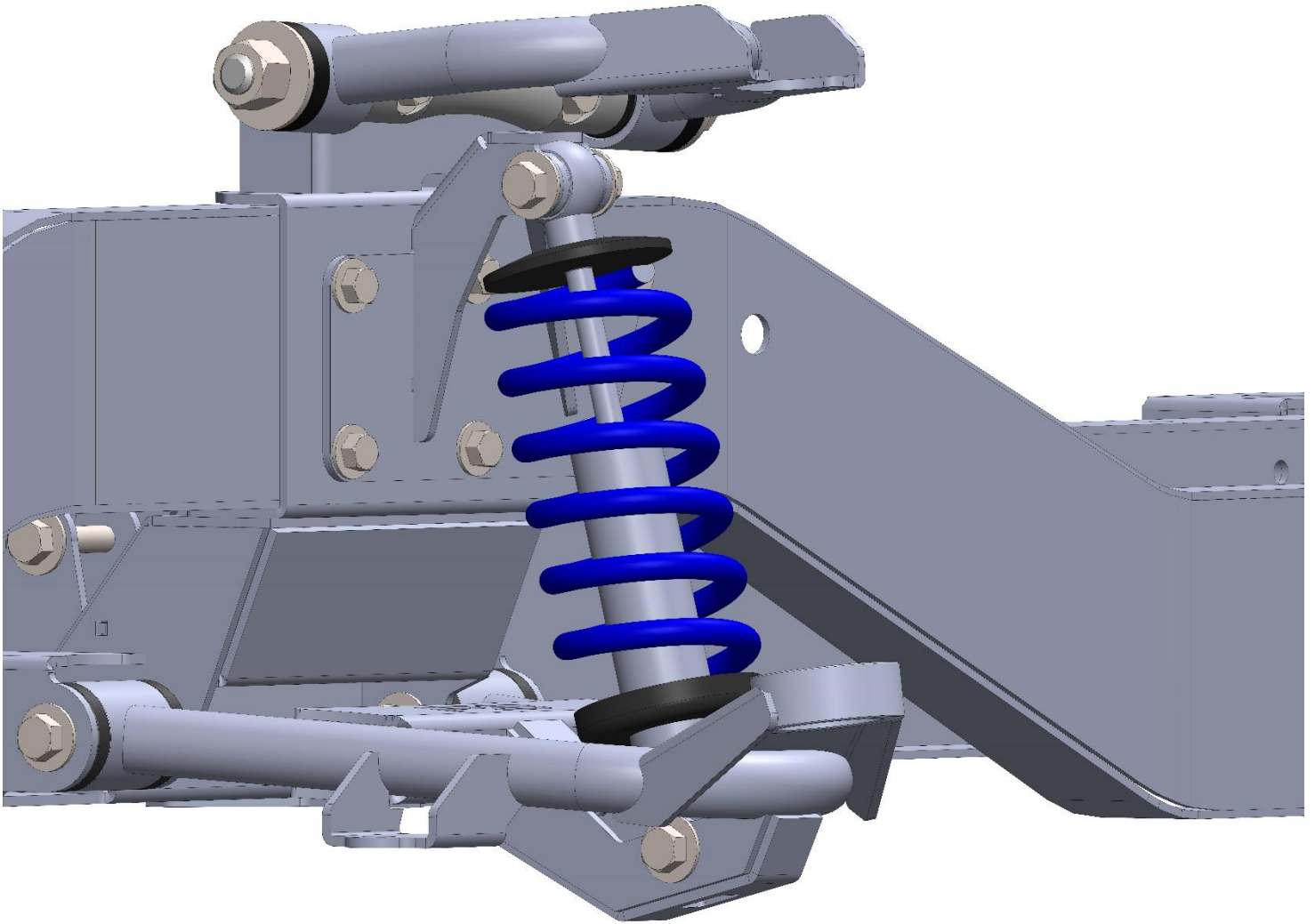
-UPPER CONTROL ARM INSTALLATION



-ATTACH UPPER CONTROL ARM TO UPPER HAT USING SUPPLIED 9/16 X 2.75" GRADE 8 BOLTS WITH FLAT WASHERS AND NYLOC NUTS.

-UPPER CONTROL ARM MAY NEED TO BE SPACED AWAY FROM UPPER HAT WHEN ALIGNED.

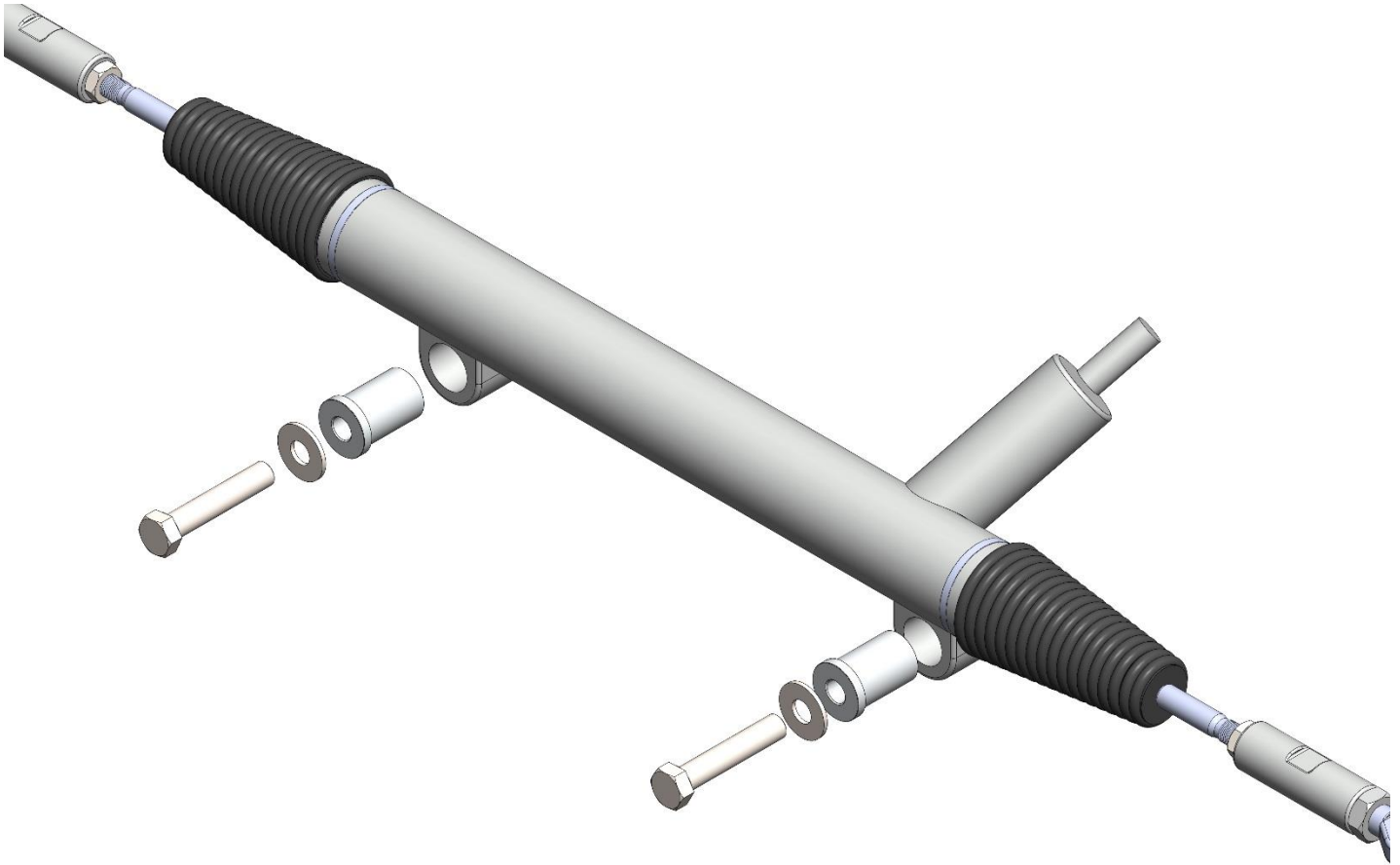
-COIL-OVER INSTALLATION



-INSTALL COIL-OVER USING SUPPLIED 1/2 GRADE 8 BOLTS (FOUND IN UPPER HAT HARDWARE BAGGIE)

-TORQUE COIL OVER MOUNTING BOLTS TO 65 FT-LBS

-RACK AND PINION INSTALLATION



-USE SUPPLIED STEPPED ALUMINUM BUSHINGS AND 9/16 X 3.5" GRADE 8 BOLTS WITH FLAT WASHERS AND NYLOC NUTS.

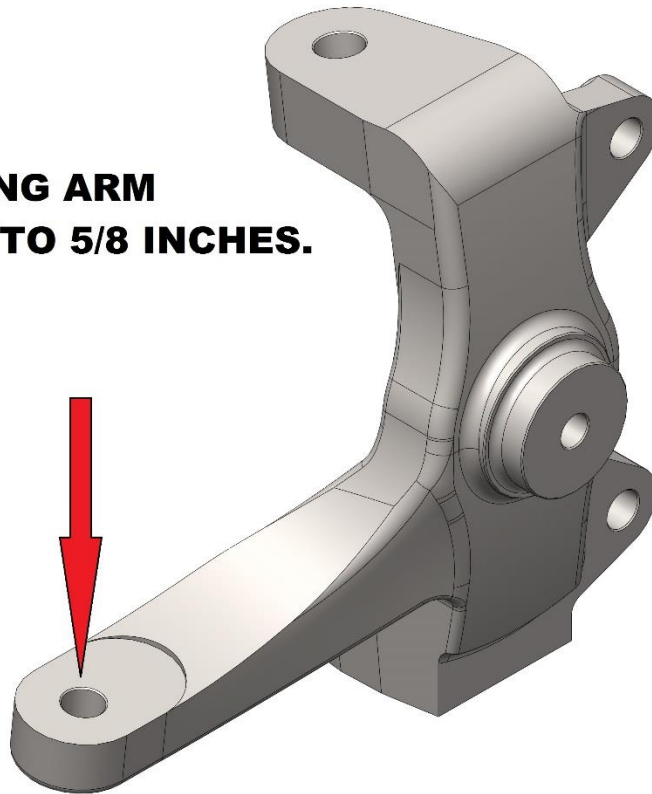
-IF THE RACK AND PINION HAS RUBBER MOUNTING BUSHINGS PRESSED INTO THE BODY, REMOVE THEM AND USE THE SUPPLIED ALUMINUM BUSHINGS.

-TORQUE RACK AND PINION MOUNTING BOLTS TO 65 FT-LBS

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-RACK AND PINION INSTALLATION

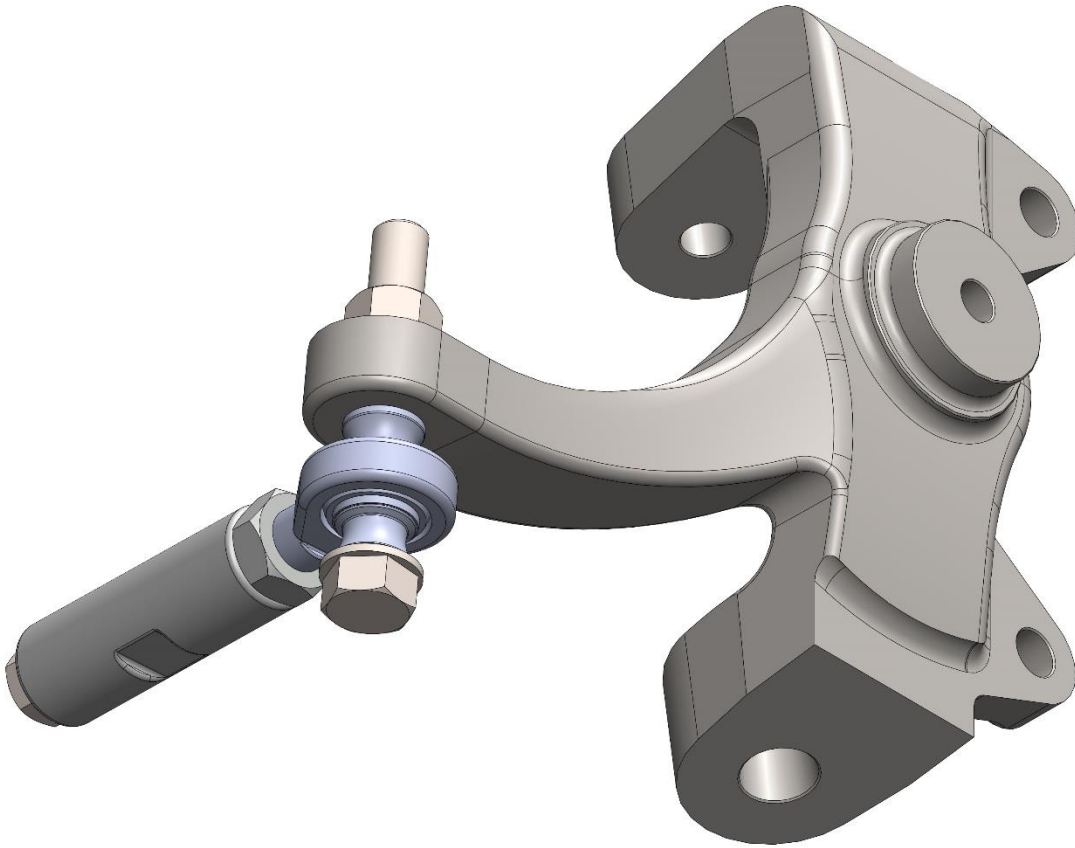
**SPINDLE'S STEERING ARM
MUST BE DRILLED TO 5/8 INCHES.**



-THE SPINDLE STEERING ARM WILL NEED TO BE DRILLED OR REAMED TO 5/8" FOR THE TIE ROD BOLT TO BE INSTALLED

*****CONTINUED ON NEXT PAGE*****

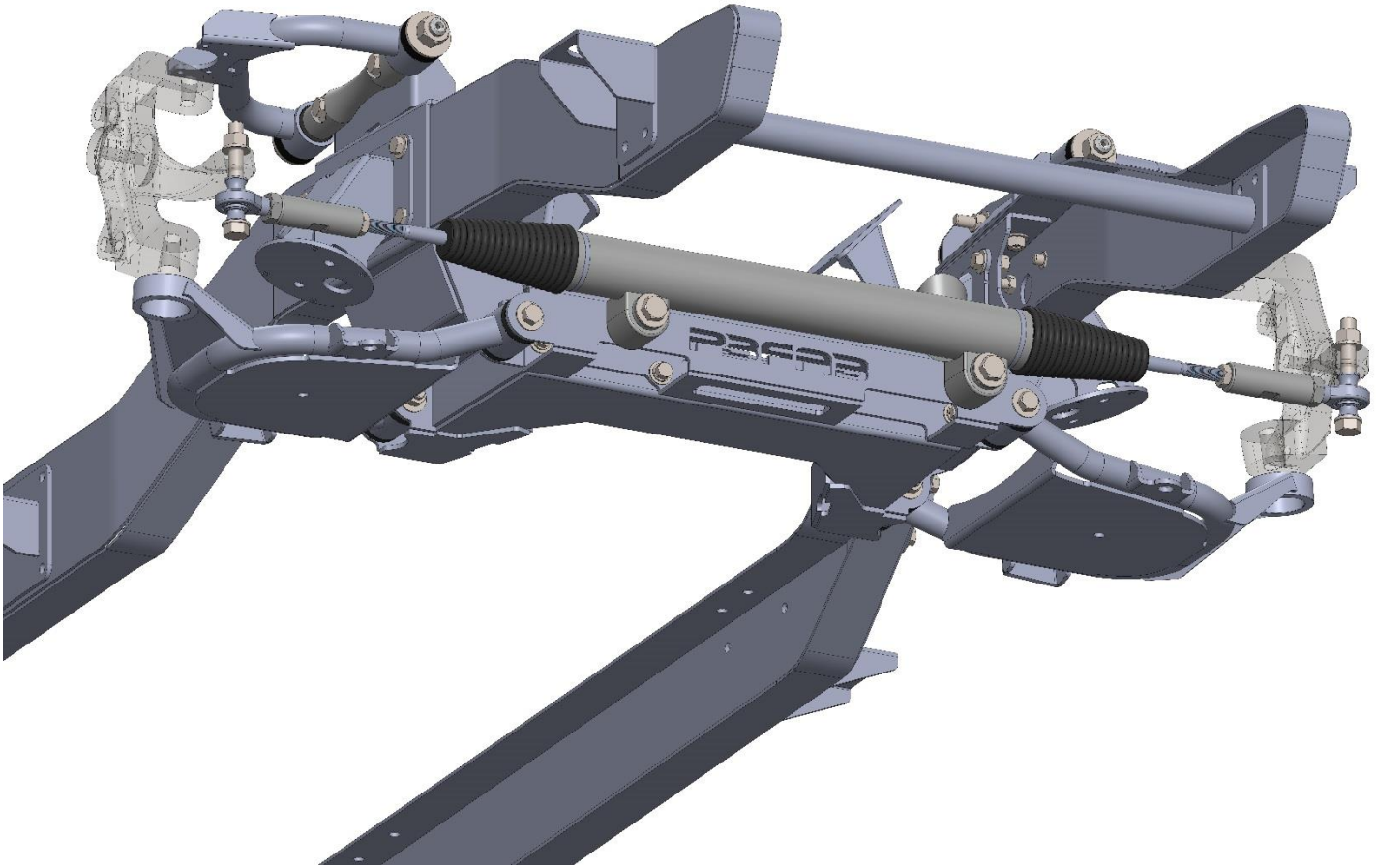
-RACK AND PINION INSTALLATION



-TIE ROD ASSEMBLY WILL MOUNT TO BOTTOM SIDE OF SPINDLE'S STEERING ARM.

*****CONTINUED ON NEXT PAGE*****

-RACK AND PINION INSTALLATION



-IT MAY BE NECESSARY TO TRIM THE THREADED END OF THE RACK AND PINION TIE ROD TO ACHIEVE PROPER ALIGNMENT.

-TO CONFIRM IF TRIMMING OF THE RACK IS NECESSARY, MOCK UP TIE ROD END TO SPINDLE.

-IF TRIMMING IS IN FACT NECESSARY, TRIM 1/2 INCHES PER SIDE AT A TIME. IT'S BETTER TO REMOVE TOO LITTLE RATHER THAN TOO MUCH MATERIAL.