

### **Introduction / Comments:**

This rail kit is designed to fit in your 148 wheel base Ford Transit, Mid and high roof use the same rail kit. This rail kit will not work with the OEM liner kit, if you have this liner kit in your vehicle, the top panels will need to be removed.

#### **Note:**

It is advised that all fasteners used in this assembly and installation should be checked for tightness at the following intervals: @ 2-weeks and again @ 6-weeks of operation. This preventive maintenance step must be completed to ensure your Partition gives you long service life.



**51478**  
**RAIL KIT, 148 WB MEDIUM**  
**ROOF TOP RAIL ONLY**  
**FORD TRANSIT**

## - PRECAUTIONS -



**CAUTION**



**THE USE OF AIR IMPACT TOOLS CAN  
OVER-TORQUE FASTENERS AND  
CAUSE FASTENER FAILURE!**



**CAUTION**



**ALL INSTALLATION HOLES SHOULD BE SEALED  
WITH SILICON OR BUTYL SEALANT TO PREVENT  
EXHAUST FUMES FROM ENTERING THE VEHICLE!**



**DANGER**



**INSPECT FOR FUEL TANK, FUEL LINES, BRAKE LINES, HIGH  
VOLTAGE BATTERIES AND ELECTRICAL LINES PRIOR TO  
DRILLING TO AVOID DAMAGING CRITICAL VEHICLE SYSTEMS  
OR INJURY TO INSTALLER DURING INSTALLATION PROCESS!**



**CAUTION**



**TO AVOID DAMAGING THE VEHICLE ALWAYS USE DRILL  
STOPS WHEN DRILLING ANY INSTALLATION HOLES!  
ADRIAN AVAILABLE PART #'S 31121-0 (1/2" DEEP),  
31122-0 (3/4" DEEP)**



## - IMPORTANT WARRANTY REQUIREMENTS -

1. SUBSTITUTING ADRIAN STEEL SPECIFIED FASTENERS FOR ASSEMBLY AND/OR INSTALLATION WILL VOID YOUR PRODUCT WARRANTY.
2. ALL HOLES DRILLED INTO VEHICLE SHOULD HAVE THE RAW METAL EDGES SEALED WITH A SELF-ETCHING PRIMER TO RESIST CORROSION AND POTENTIAL FASTENER POINT FAILURE.
3. ALL FASTENERS USED IN THE INSTALLATION OF THIS PRODUCT SHOULD BE TIGHTENED TO THE TORQUE(S) SPECIFIED IN THESE INSTRUCTIONS.
4. THESE INSTRUCTIONS SHOULD BE KEPT WITH THE VEHICLE.

### THE BASIC TOOLS NEEDED FOR MOST INSTALLATIONS



DRILL



DRILL BIT WITH  
STOP



RATCHET, SOCKETS  
AND/OR WRENCHES



SCREWDRIVERS



MEASURING TAPE

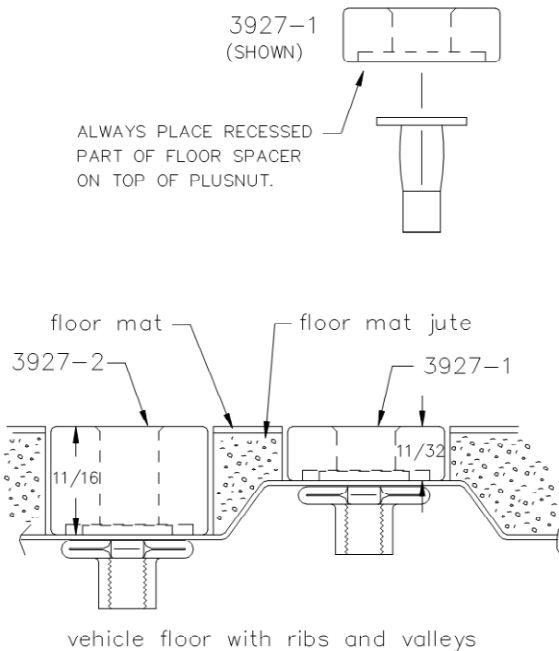
ADDITIONAL TOOLS MAY BE NEEDED FOR THIS INSTALLATION AND THEY WILL BE IDENTIFIED IN THE STEPS THAT FOLLOW.

If your vehicle contains carpet or a rubber floor mat you will need to prepare the mounting location. Position the product to be installed into the vehicle and once you are satisfied with the mounting locations, mark the mounting locations. Using a 1-3/16" diameter carpet cutter (P/N: 31183-0). Select the appropriate floor spacers as shown in the illustration. Set those aside for use later into the installation process.

Using the correct drill bit size for the selected plusnut, drill the mounting holes in the vehicle sheet metal to prepare for installing the plusnuts.

If you are thru-bolting at any of the locations simply drill a hole that is 1/16" larger than the bolt size(s) for those locations.

Once you have drilled the holes into the vehicle, the raw metal edges should be sealed using a self-etching primer to resist corrosion and potential fastener point failure.



A PLUSNUT (RIVNUT) SETTING TOOL IS REQUIRED FOR PLUSNUT (RIVNUT) INSTALLATION AND IS NOT SUPPLIED WITH THIS KIT. OR USE AN AIR POWERED PLUSNUT SETTING GUN.

1/4-20UNC Plusnut (FAS0052) Use 3/8" dia. drill w/stop

FAS0080 SCREW, HXHD, 1/4-20UNCx2.00", G8

FAS0067 WASHER, FLAT, 1/4"ID

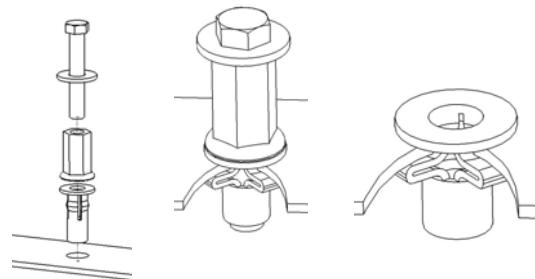
22200-0 PLUSNUT TOOL

5/16-18UNC Plusnut (FAS0091) Use 1/2" dia. drill w/stop

FAS0095 SCREW, HXHD, 5/16-18UNCx2.00", G8

FAS0086 WASHER, FLAT, 5/16"ID

22200-0 PLUSNUT TOOL

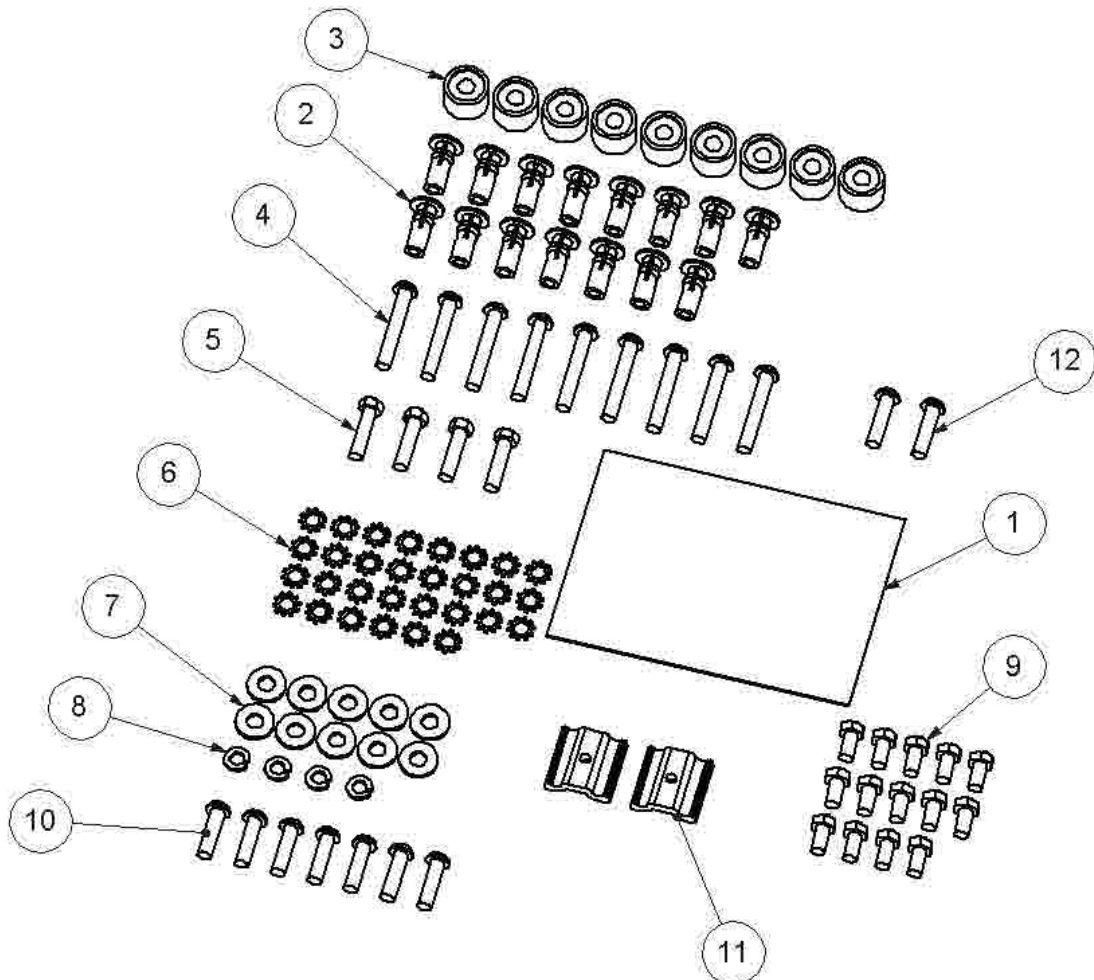


Place barrel of the plusnut body in sheet metal thru hole until flange is flush with sheet metal.

Using a 9/16" combination wrench of plusnut tool body and a second hand wrench, ratchet, or air tool, rotate the hex bolt head CW to draw plus nut flanges up (set the plusnut).

## Assembly and Installation Fastener Identification Sheet ( BAG47253)

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BAG0507-A	5" x 7" 3MIL AUTOBAG	1
2	FAS0091	Plusnut, 5/16	15
3	03927-2	Tall Floor Spacer	9
4	FAS0048	Screw, Button Hd Hex Soc, 5/16-18X 2, BLK OXIDE	9
5	FAS0093	Screw, Hex Hd, 5/16-18x1.25	4
6	FAS0085	Washer, Lock, Ext. Tooth, 5/16	30
7	FAS0086	WASHER, FLAT USS 5/16 ZP	10
8	FAS0098	Washer, Lock, Split, 5/16, Zinc Plate	4
9	FAS0165	Screw, Hex Hd, 5/16-18x.625	14
10	FAS0741	Screw, Button Hd Hex Soc, M8-1.25 X 30	7
11	35335-0	SLIDE	2
12	FAS0708	Screw, Button Hd Hex Soc, 5/16-18X1.25, BLK OXIDE	2

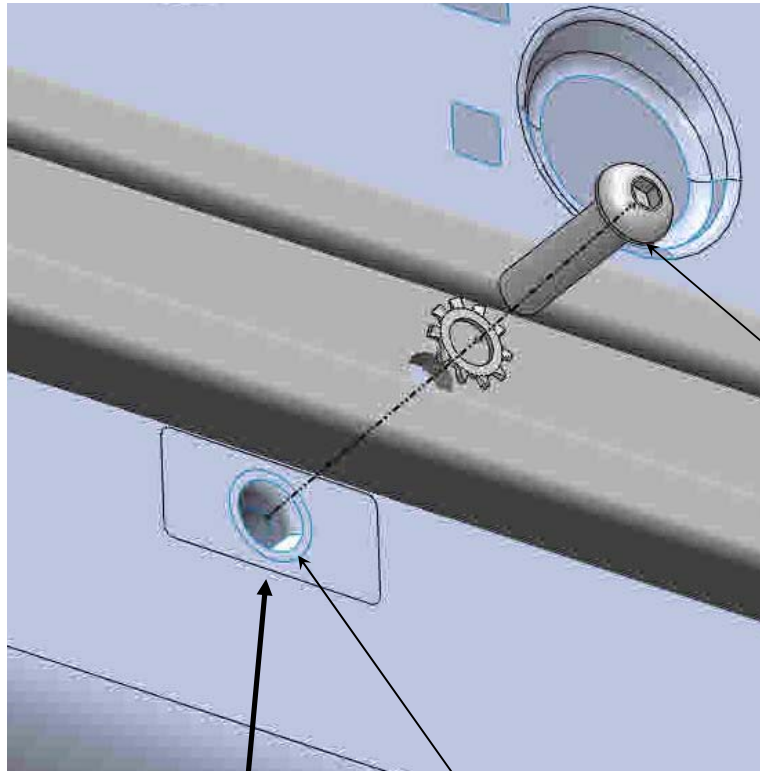


**STEP 1A —VEHICLES WITH OEM LINER KITS—NEED TO REMOVE UPPER PANELS ON THE STREET AND CURB SIDE.**



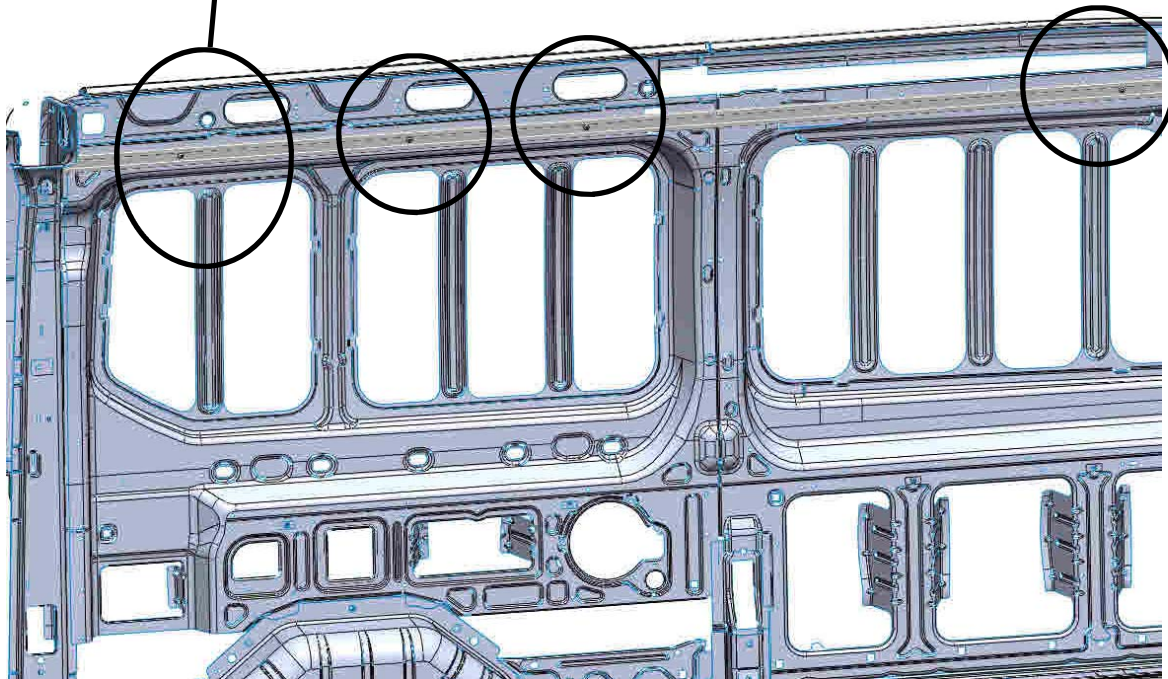
GENERIC PICTURE OF VEHICLE AND  
LINER KIT  
SHOWING RAIL KIT INSTALLED FOR  
REFERENCE ONLY

## STEP 1B STREET SIDE UPPER RAIL



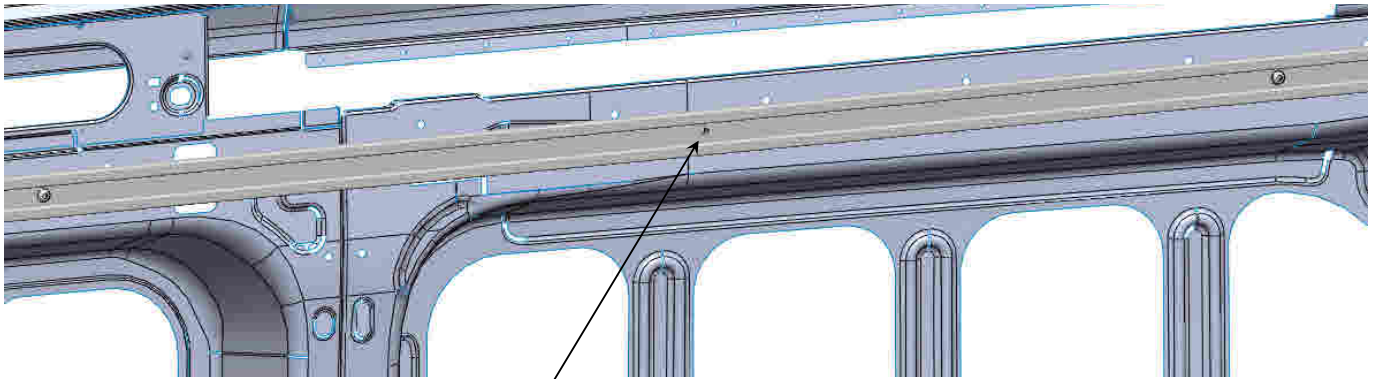
FAS0085 - 5/16 STAR WASHER (4)  
FAS0741 - M8X1.25 X 30 LG (4)

EXISTING M8X1.25 INSERT  
(4) LOCATIONS USED  
STREET SIDE UPPER



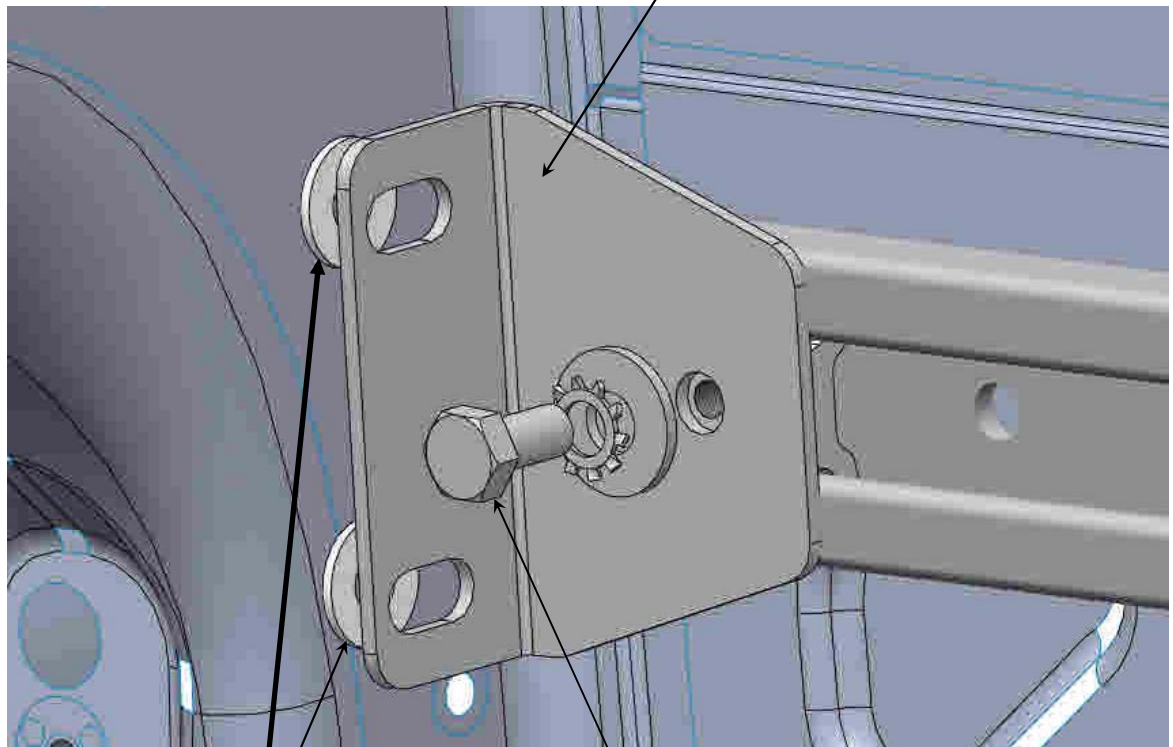


**STEP 1C STREET SIDE UPPER RAIL –LOCATE AND TRANSFER HOLES- REMOVE RAIL**



TRANSFER HOLE  
OPEN HOLE UP TO 1/2" DIA  
WITH DRILL STOP  
ADD PLUSNUT  
FAS0091—5/16 PLUSNUT

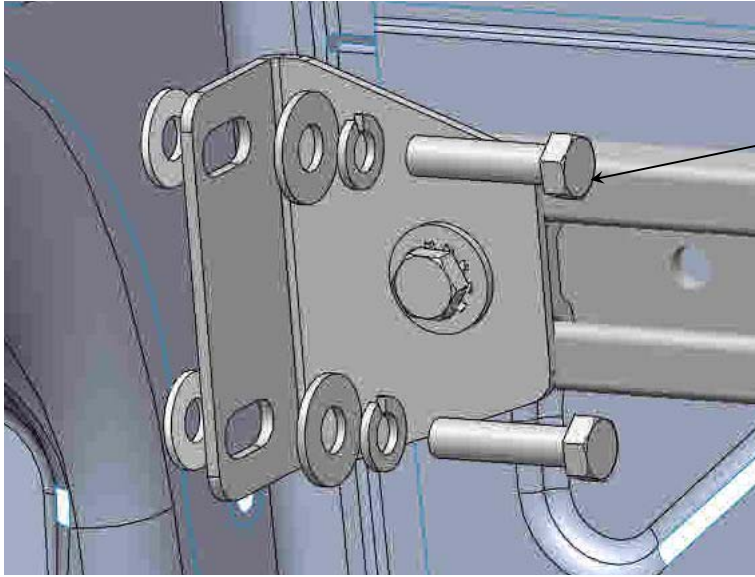
47078-G  
D-PILLAR MTG PLATE



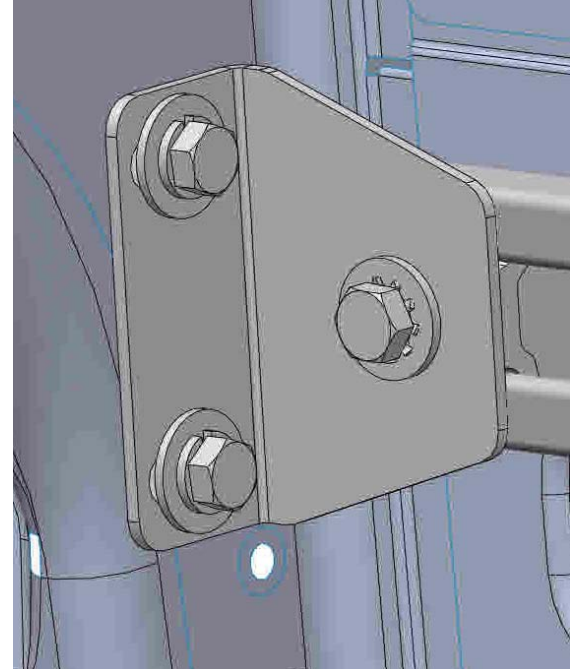
TRANSFER HOLES  
OPEN HOLE UP TO 1/2" DIA  
WITH DRILL STOP  
ADD PLUSNUTS  
FAS0091—5/16 PLUSNUT

35335-0 SLIDE  
FAS0165— HEX HEAD  
FAS0085—STAR WASHER  
FAS0086—FLAT WASHER

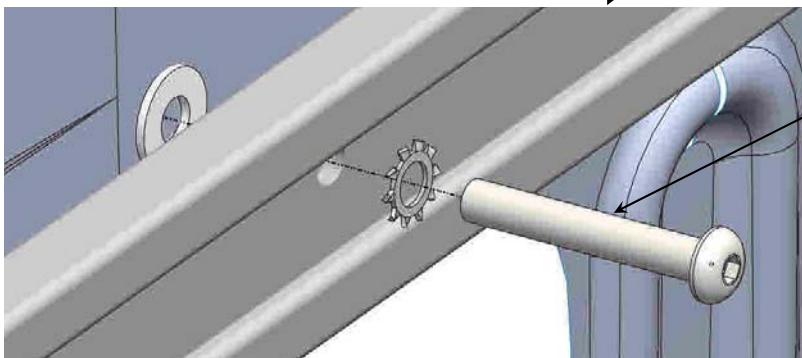
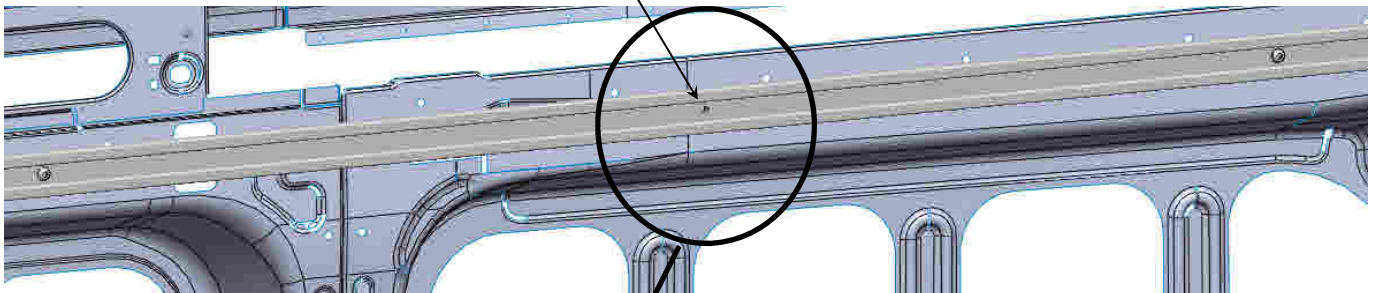
## STEP 1D - FINAL INSTALLATION OF STREET SIDE UPPER RAIL



FAS0093— HEX HEAD (2)  
FAS0098—LOCK WASHER (2)  
FAS0086—FLAT WASHER (2)



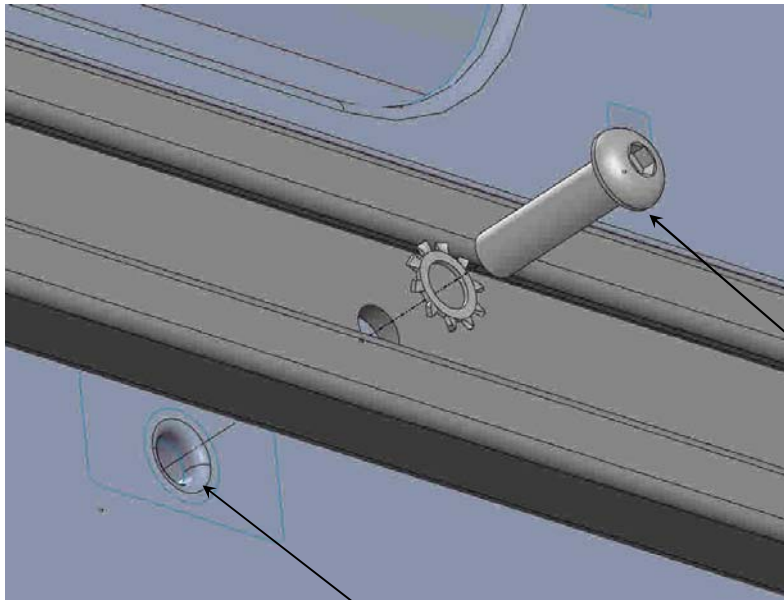
FROM PREVIOUS PAGE  
AFTER SETTING PLUSNUT



FAS0085— STAR WASHER  
FAS0708—BUTTON HEAD

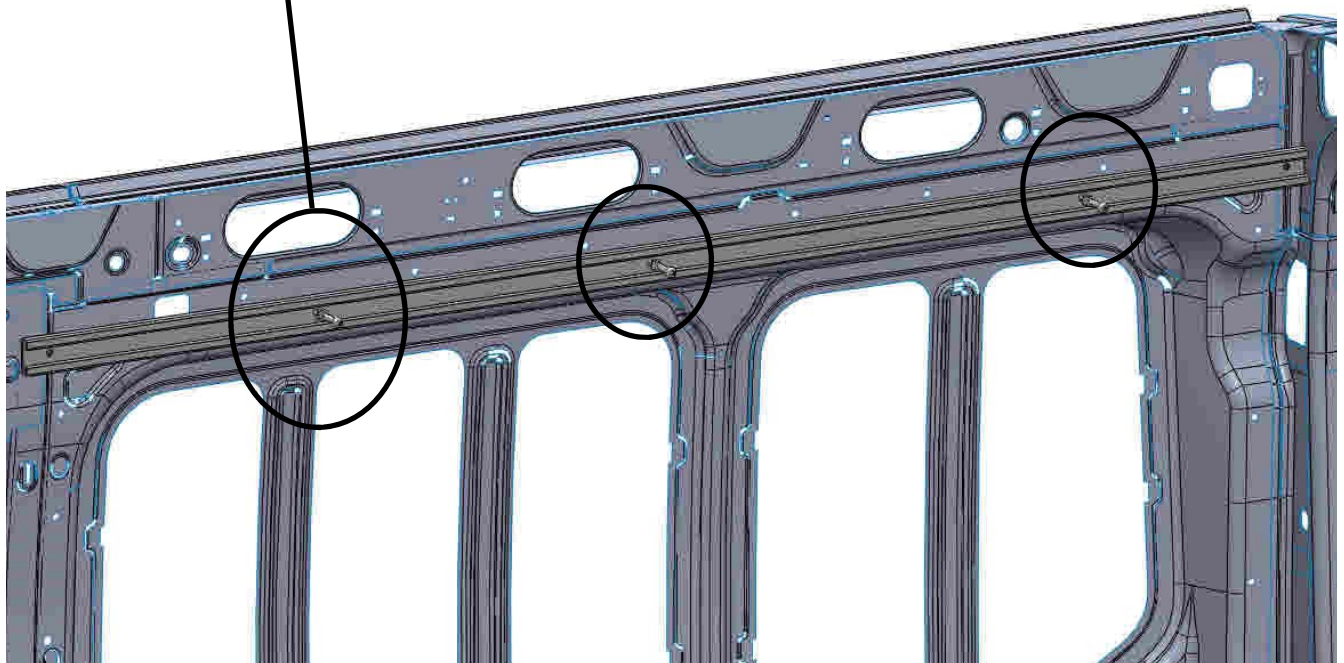


## STEP 2 CURB SIDE UPPER RAIL

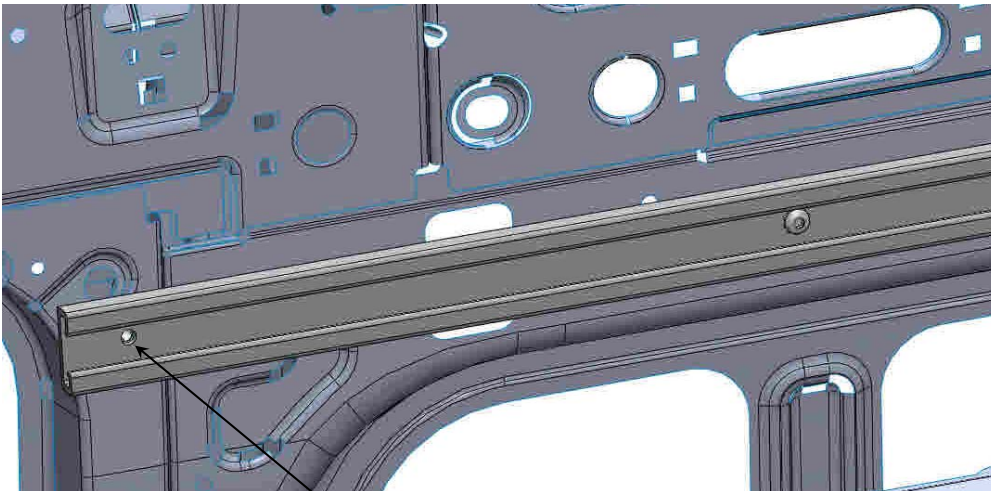


FAS0085 - 5/16 STAR WASHER (3)  
FAS0741 - M8X1.25 X 30 LG (3)

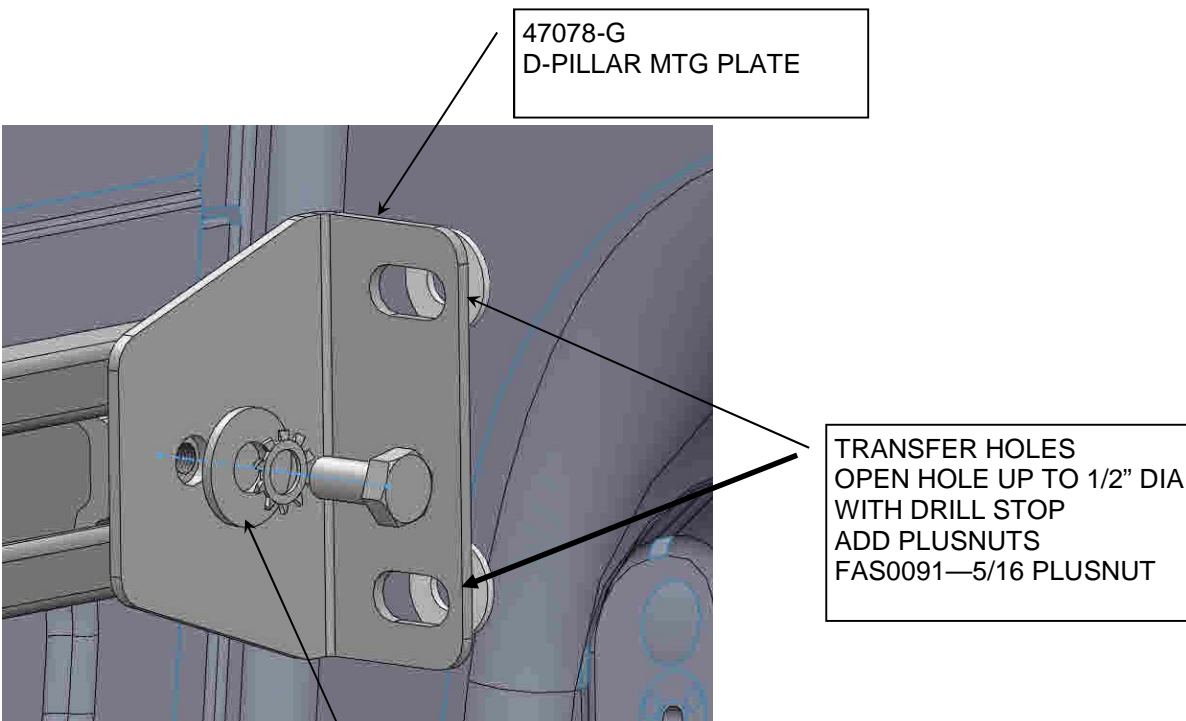
EXISTING M8X1.25 INSERT  
(3) LOCATIONS USED  
CURB SIDE UPPER



## STEP 2A - LOCATE AND TRANSFER HOLES



TRANSFER HOLE  
OPEN HOLE UP TO 1/2" DIA  
WITH DRILL STOP  
ADD PLUSNUT  
FAS0091—5/16 PLUSNUT

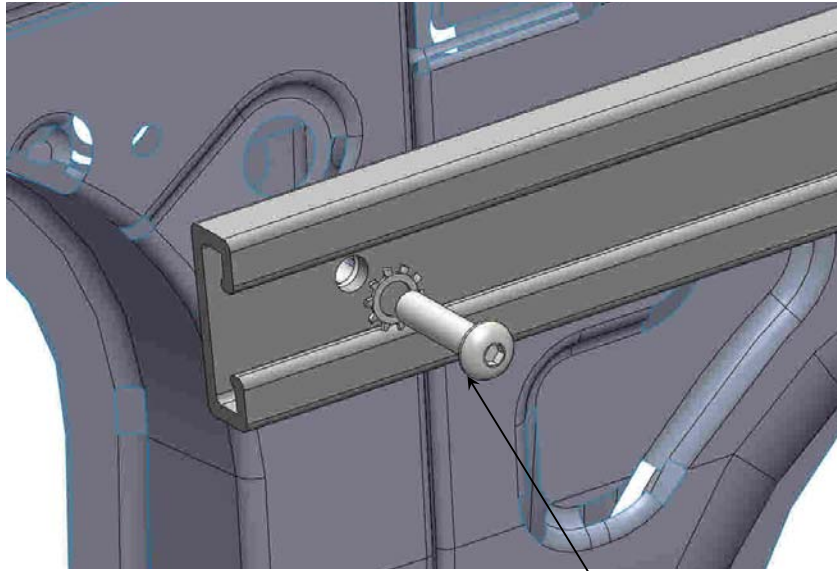


47078-G  
D-PILLAR MTG PLATE

TRANSFER HOLES  
OPEN HOLE UP TO 1/2" DIA  
WITH DRILL STOP  
ADD PLUSNUTS  
FAS0091—5/16 PLUSNUT

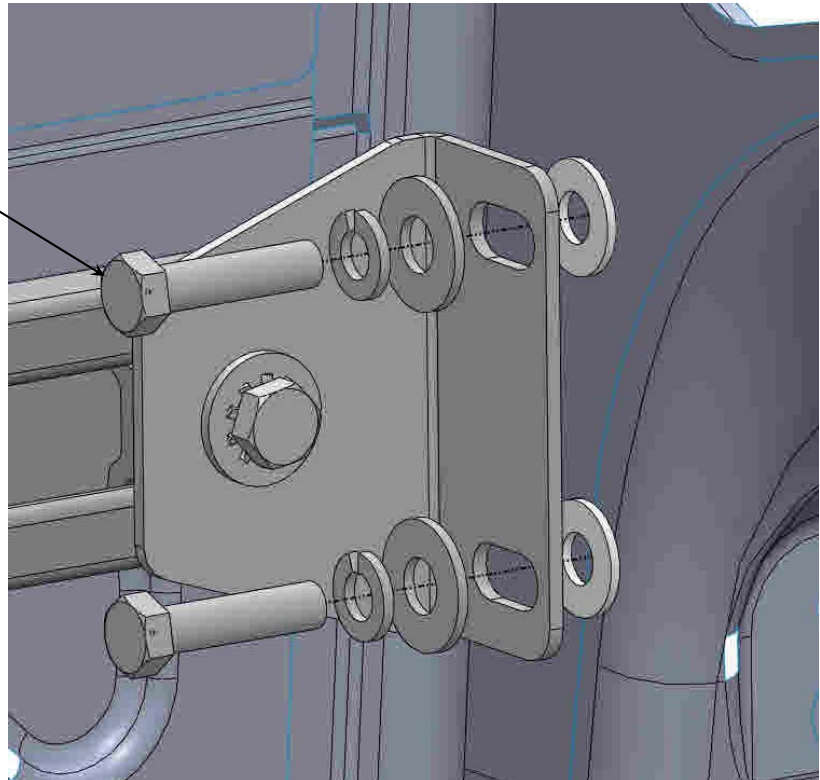
35335-0 SLIDE  
FAS0165— HEX HEAD  
FAS0085—STAR WASHER  
FAS0086—FLAT WASHER

## STEP 2B - ADD CURB SIDE D-PILLAR MTG PLATE

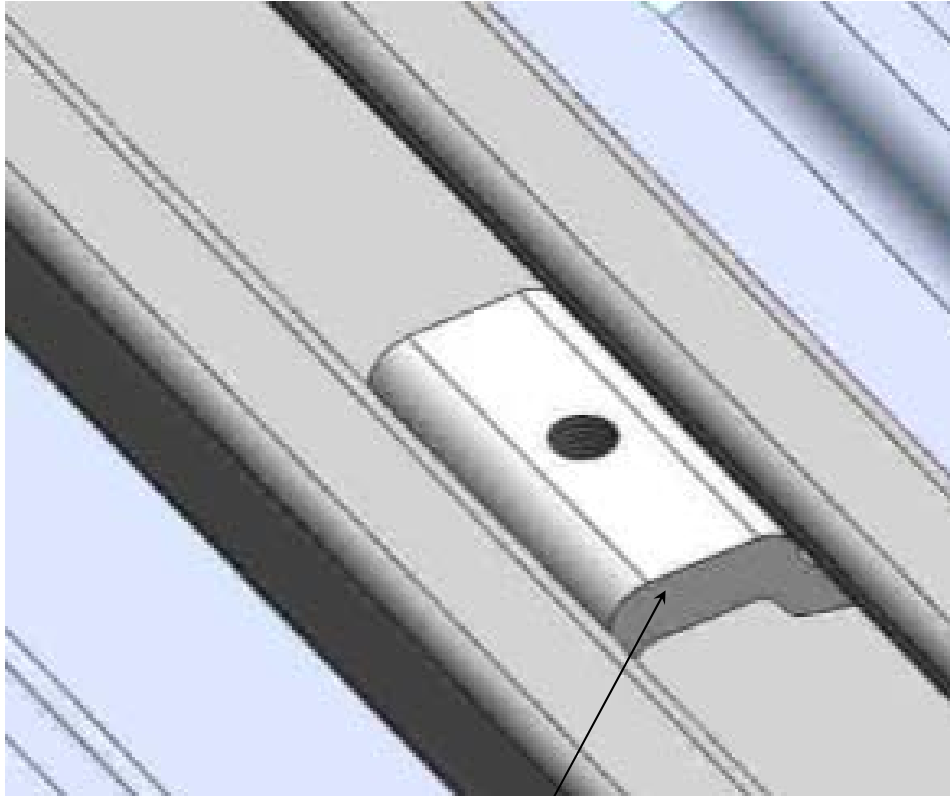


FAS0708— BUTTON HD  
FAS0085—STAR WASHER

FAS0093— HEX HEAD (2)  
FAS0098—LOCK WASHER (2)  
FAS0086—FLAT WASHER (2)



### STEP 3 - ADD SLIDES TO RAILS



35335-0 SLIDES (6) ON THE  
STREETSIDE AND (3) ON  
THE CURBSIDE