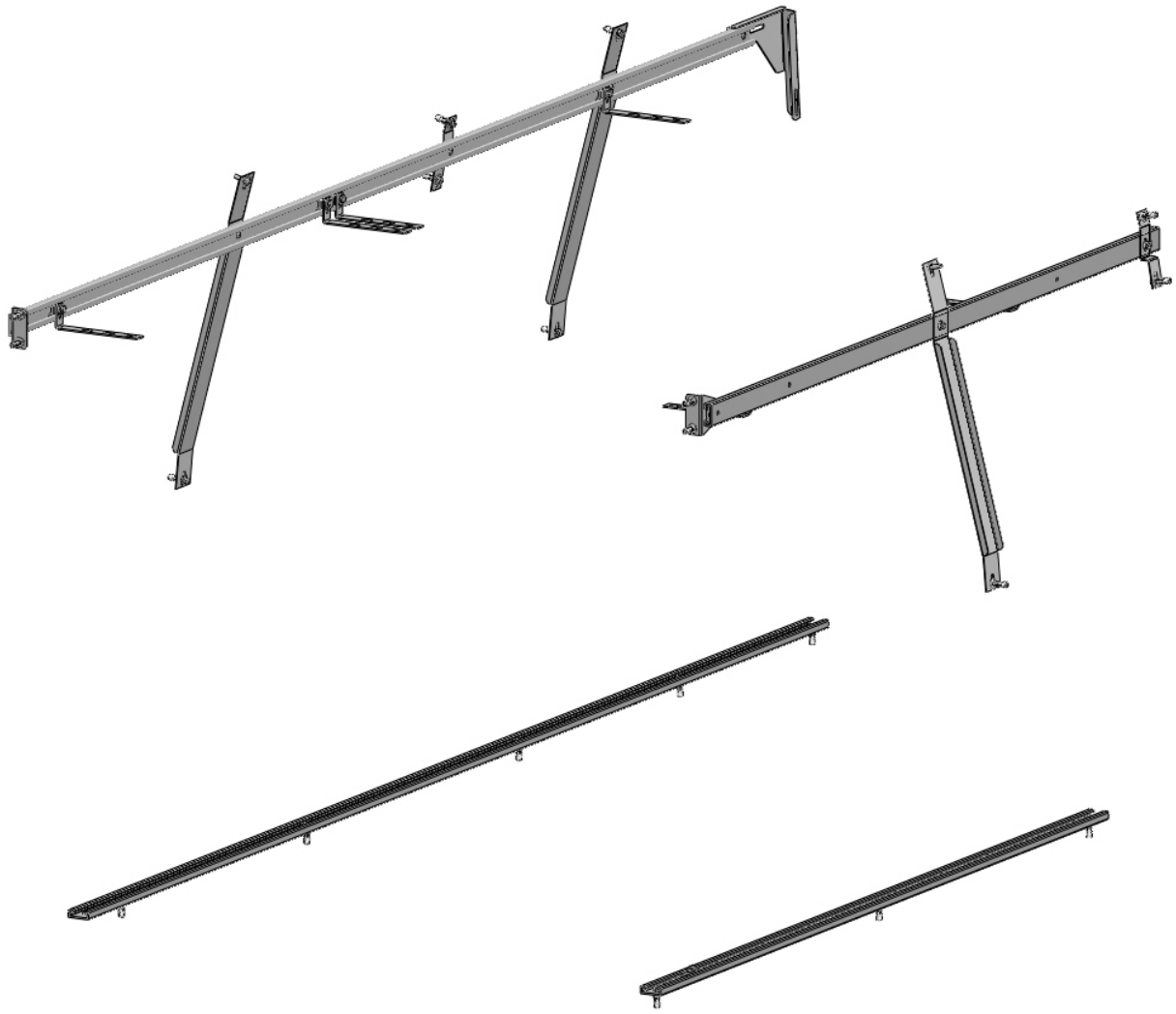
Introduction / Comments:

This rail kit is designed to fit in your 148 wheel base Ford Transit, Standard roof.
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.



RK148FTS
RAIL KIT, 148 WB
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 DRILLINGTO 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

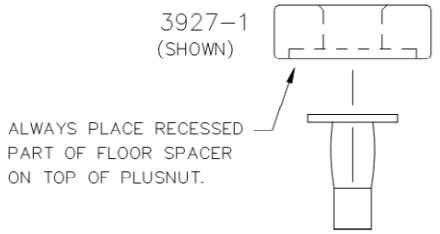
RATCHET, SOCKETS AND/OR WRENCHES

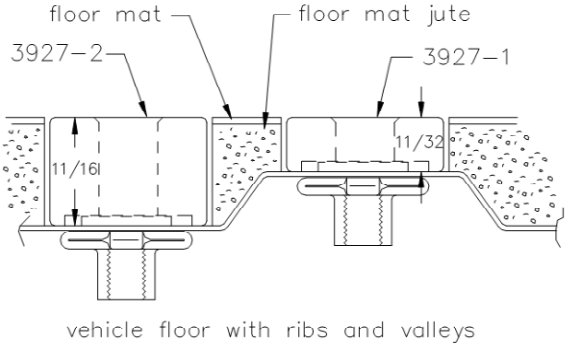
SCREWDRIVERS

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 your 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.



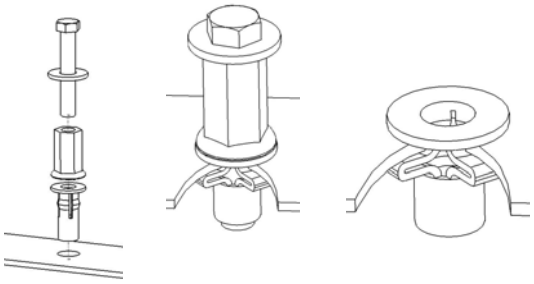


vehicle floor with ribs and valleys

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

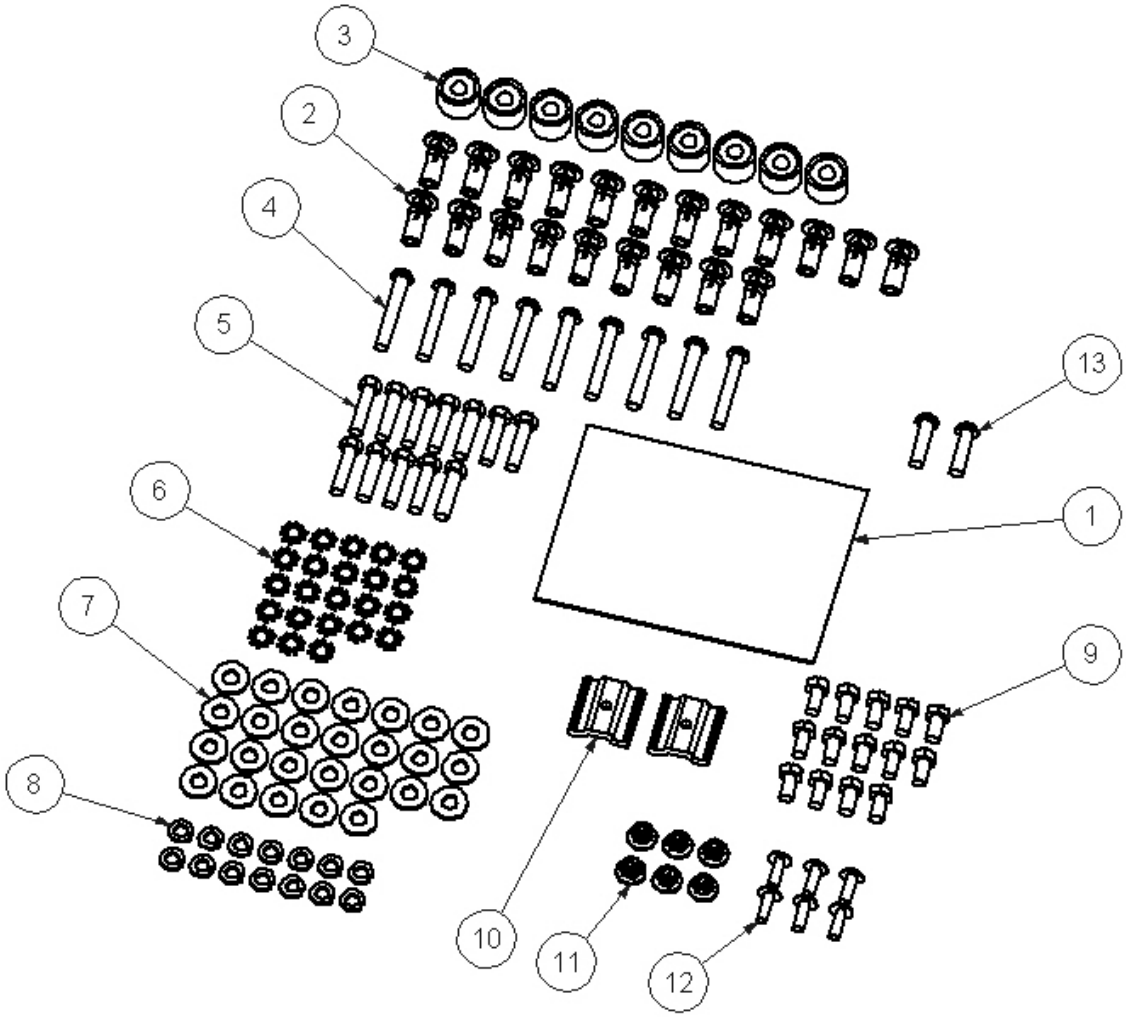
5/16-18UNC Plusnut (FAS0091) Use 1/2" dia. drill w/stop
- FAS0095 SCREW, HXHD, 5/16-18UNCx2.00", G8
- FAS0086 WASHER, FLAT, 5/16"ID
- 22200-0 PLUSNUT TOOL



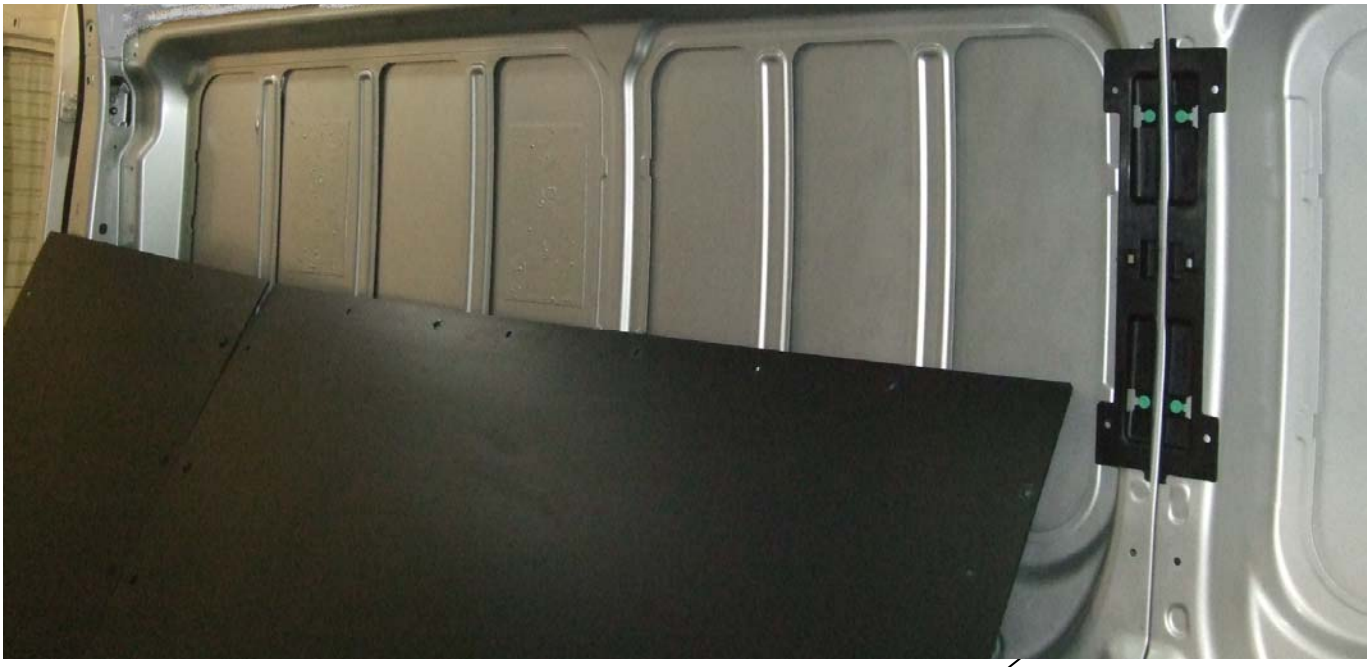
Place barrel of the plusnut body in sheet metal thru hole until flange is flush with sheet metal.
Using a 9/16" combination wrench of plusnut tool body and a second hand wrench, ratchet, or air tool, rotate the hex bolt head CW to draw plus nut flanges up (set the plusnut).

Assembly and Installation
Fastener Identification Sheet
(BAG45340)

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BAG0507-A	5" x 7" 3MIL AUTOBAG	1
2	FAS0091	Plusnut, 5/16	21
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	12
6	FAS0085	Washer, Lock, Ext. Tooth, 5/16	23
7	FAS0086	WASHER,FLAT USS 5/16 ZP	26
8	FAS0098	Washer, Lock, Split, 5/16, Zinc Plate	14
9	FAS0165	Screw, Hex Hd, 5/16-18x.625	14
10	35335-0	SLIDE	2
11	FAS0055	Nut, Hex Flange,Nylock 1/4-20	6
12	FAS0062	Screw, Truss Hd. Ph, 1/4-20x0.75	6
13	FAS0741	Screw, Button Hd Hex Soc, M8-1.25 X 30	2



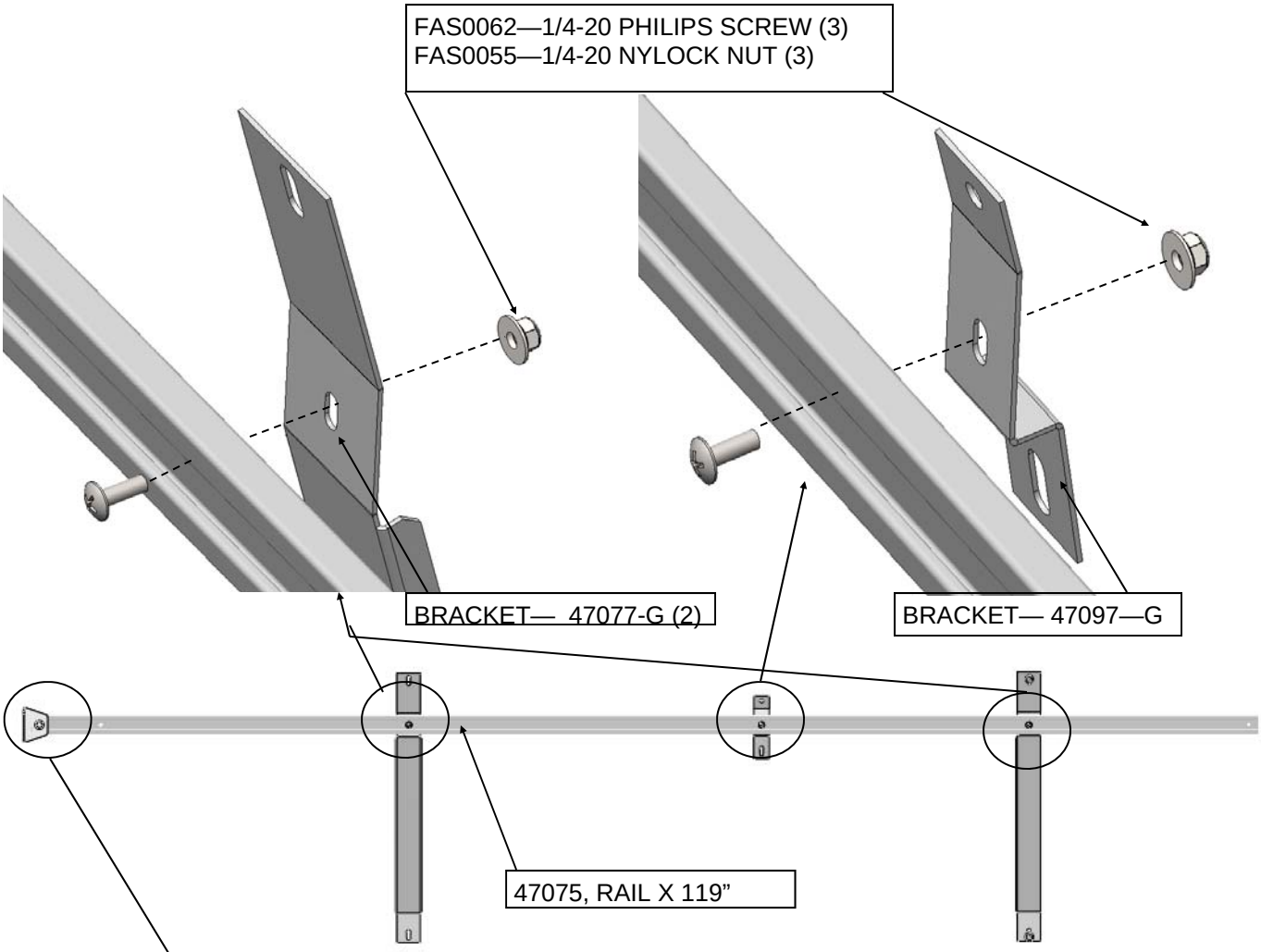
STEP 1A —VEHICLES WITH OEM LINER KITS—NEED TO REMOVE UPPER PANELS ON THE STREET AND CURB SIDE.

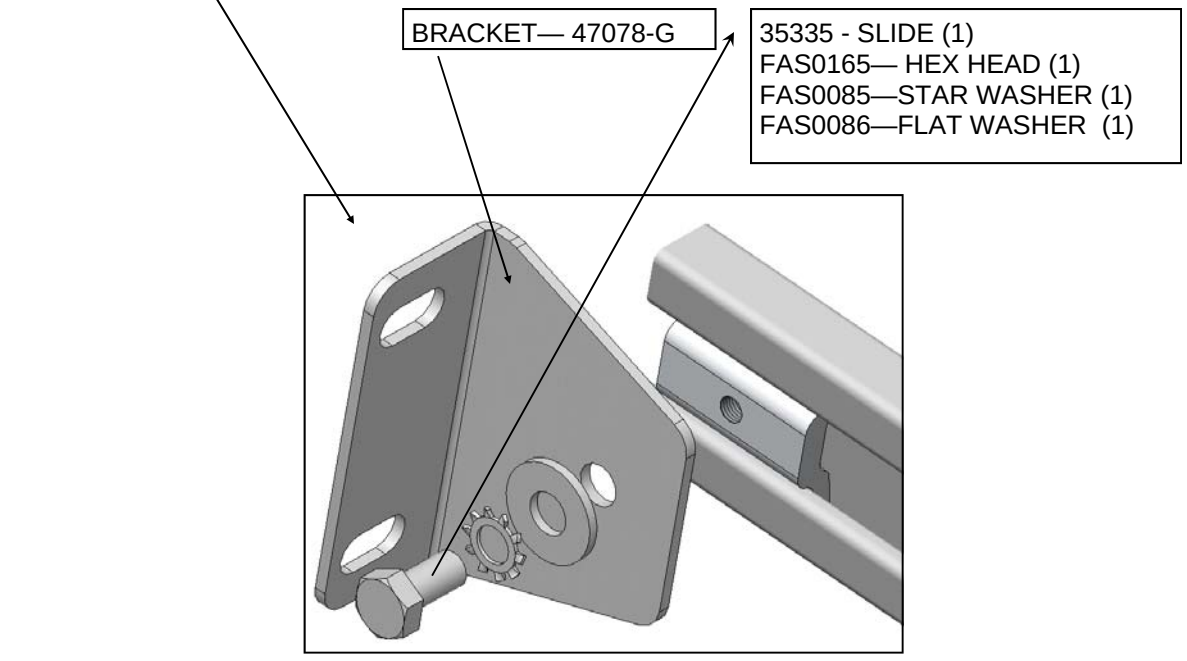


GENERIC PICTURE OF VEHICLE AND LINER KIT.

STEP 1B STREET SIDE UPPER RAIL, RAIL ASSEMBLY

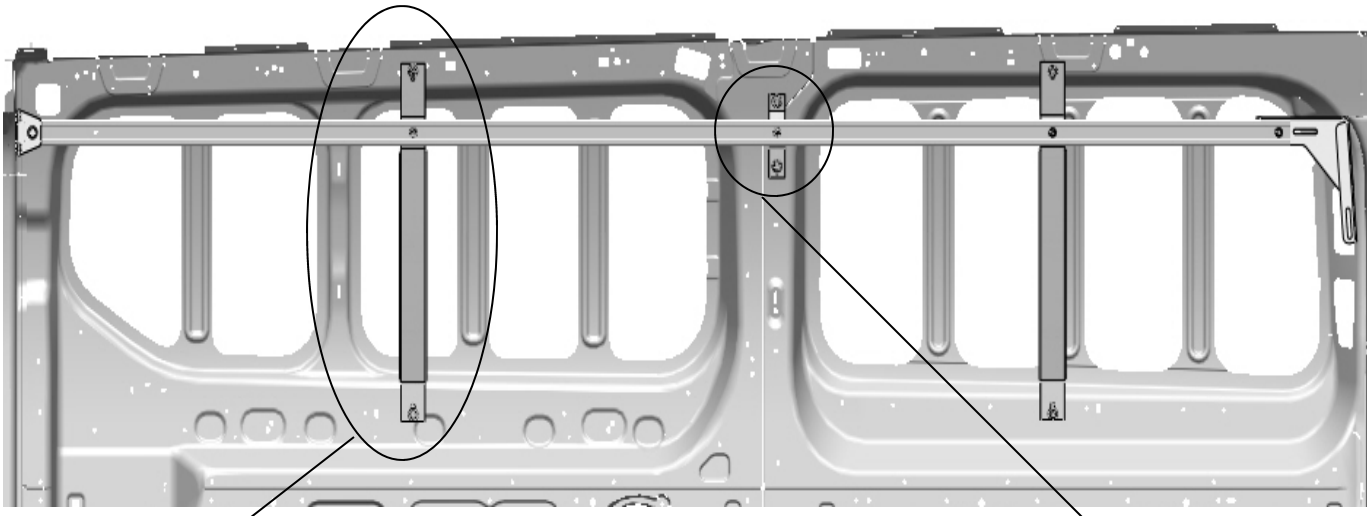
- ASSEMBLE RAIL BEFORE PUTTING IN VEHICLE, **DO NOT FULLY TIGHTEN**

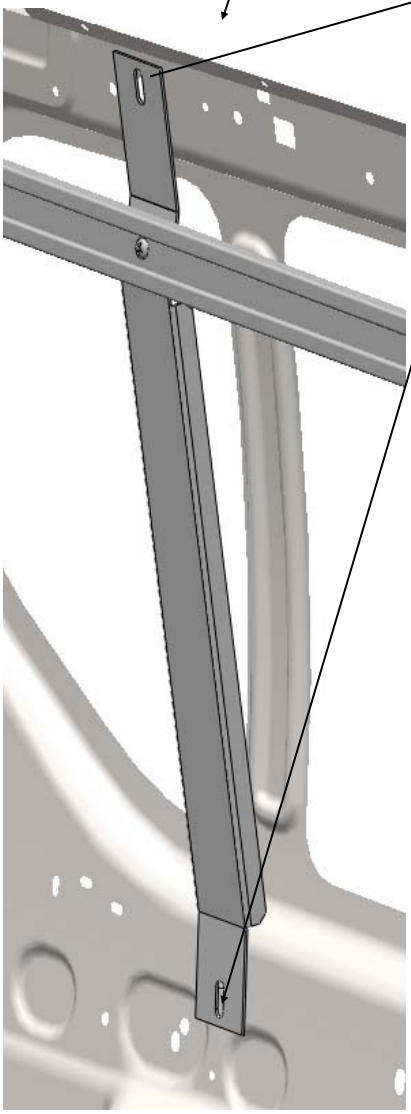




STEP 1C STREET SIDE UPPER RAIL

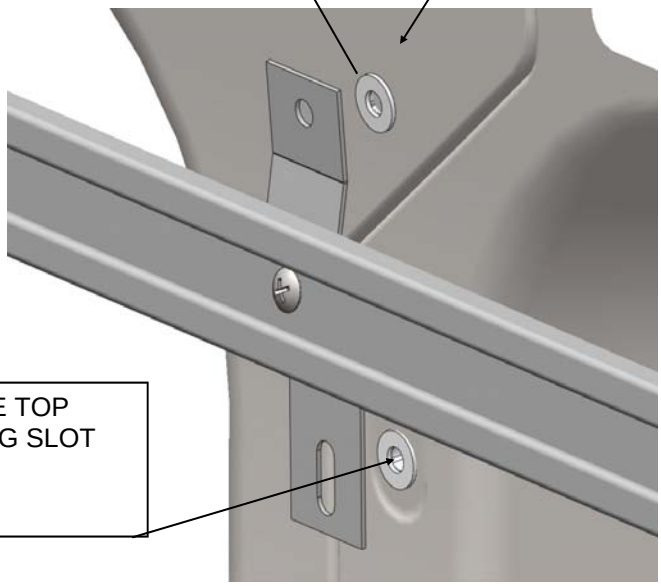
- INSERT RAIL ASSEMBLY INTO VEHICLE, TRANSFER HOLES TO ADD PLUSNUTS





EXISTING M8 INSERT

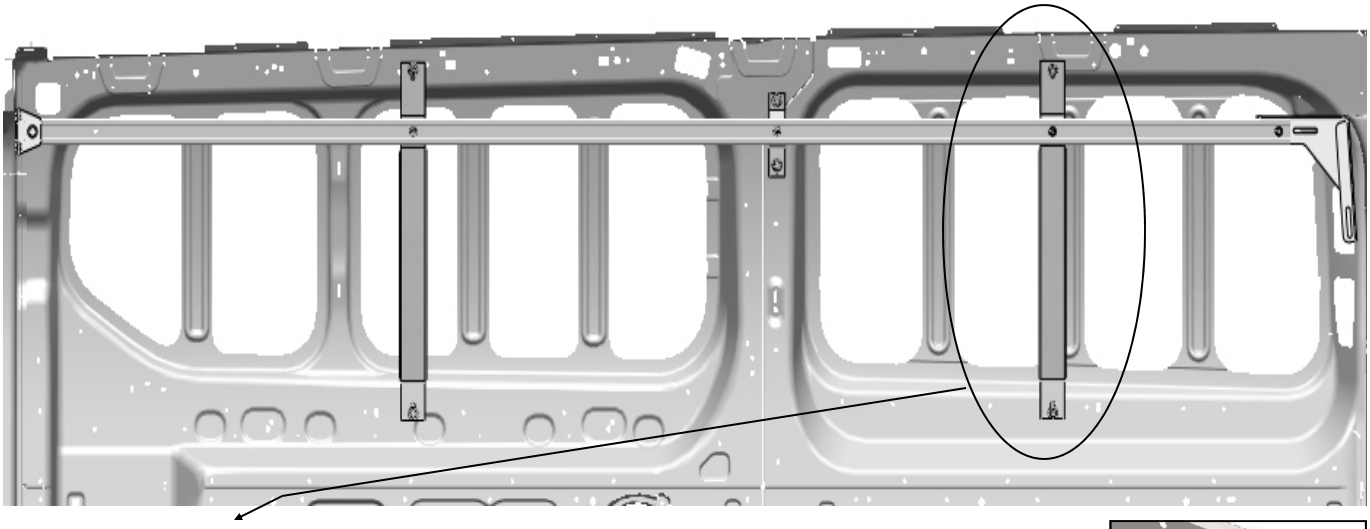
TRANSFER HOLES
OPEN HOLE UP TO 1/2" DIA
WITH DRILL STOP
ADD PLUSNUTS
FAS0091—5/16 PLUSNUT (3)

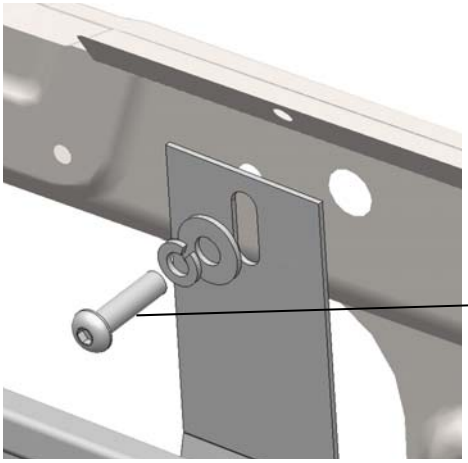


ADD PLUSNUT TO THE TOP
HALF OF THE EXISTING SLOT

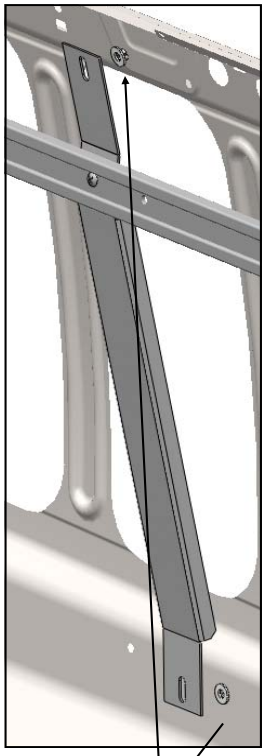
STEP 1D STREET SIDE UPPER RAIL

- INSERT RAIL ASSEMBLY INTO VEHICLE, TRANSFER HOLES TO ADD PLUSNUTS

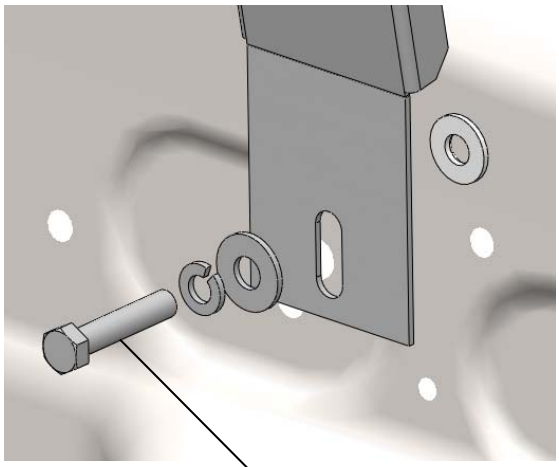




FAS0741— M8 1.25 BUTTON SCREW (1)
FAS0098—LOCK WASHER (1)
FAS0086—FLAT WASHER (1)

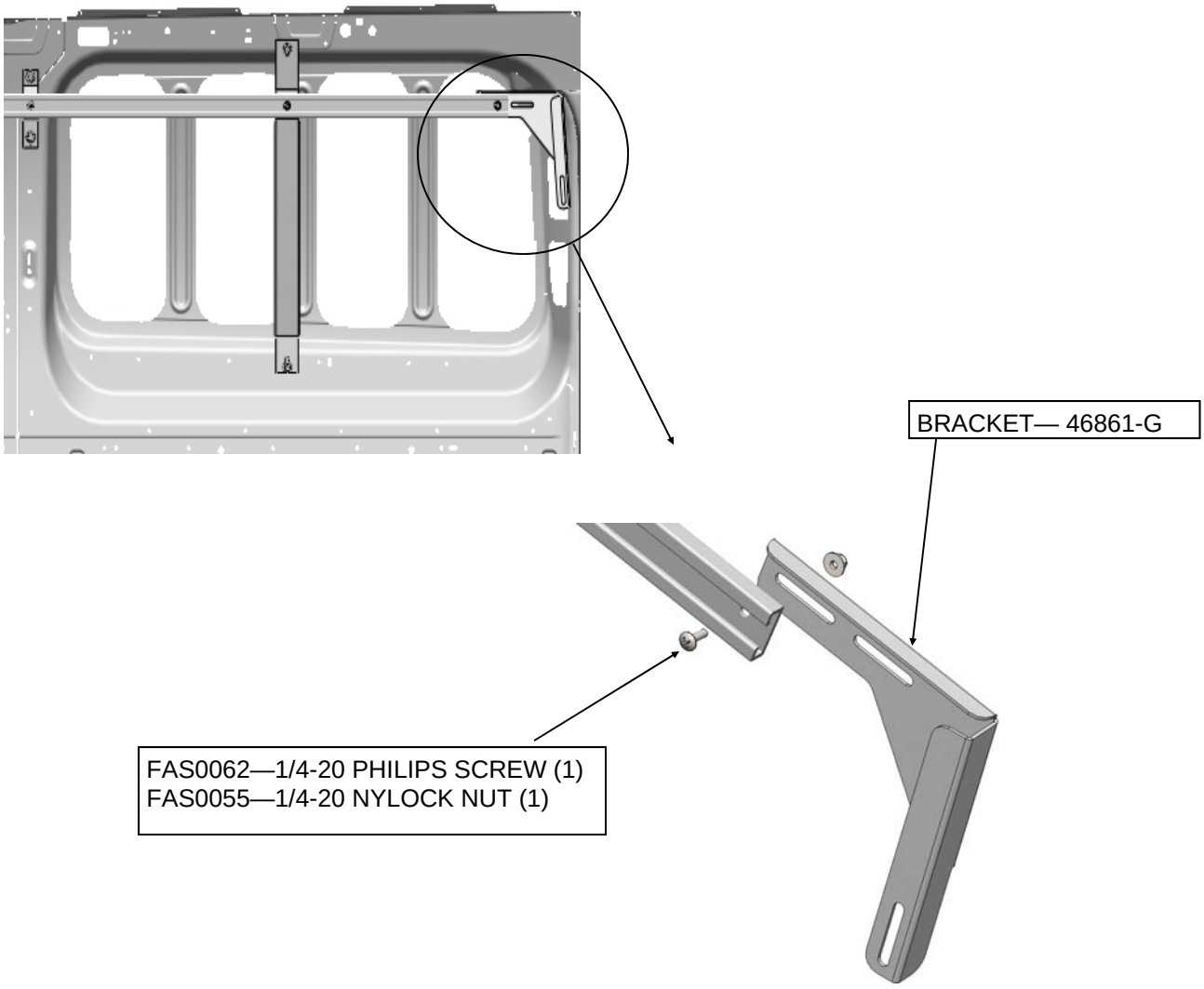


TRANSFER HOLES
OPEN HOLE UP TO 1/2" DIA WITH DRILL STOP
ADD PLUSNUTS
FAS0091—5/16 PLUSNUT (2)



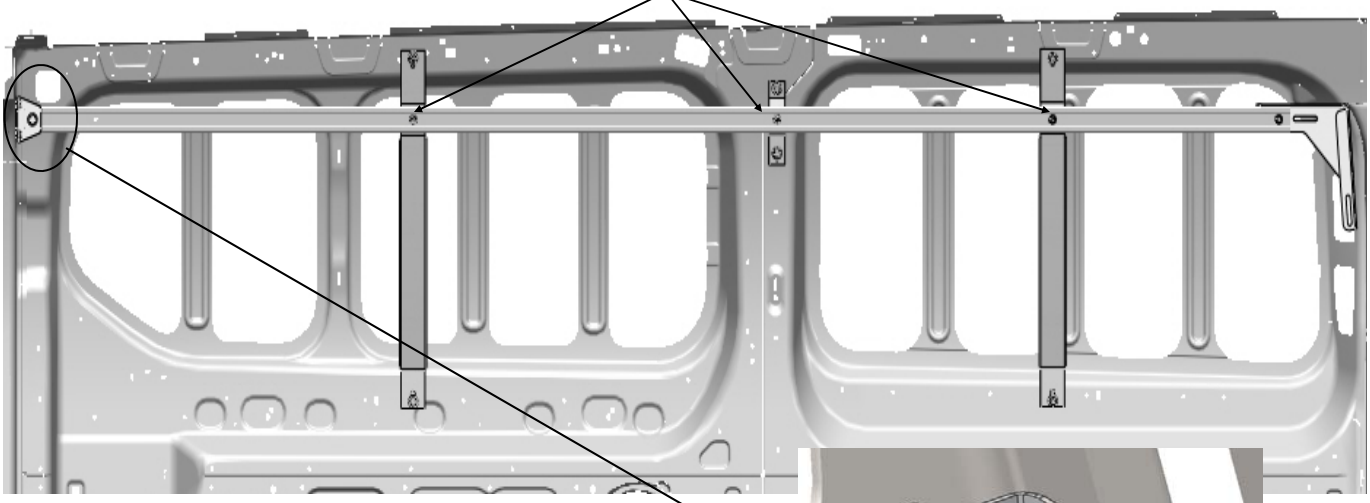
FAS0093— HEX HEAD (5)
FAS0098—LOCK WASHER (5)
FAS0086—FLAT WASHER (5)

STEP 1E - INSTALLATION OF STREET SIDE UPPER RAIL

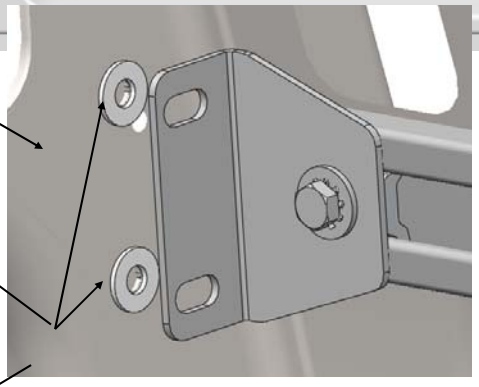


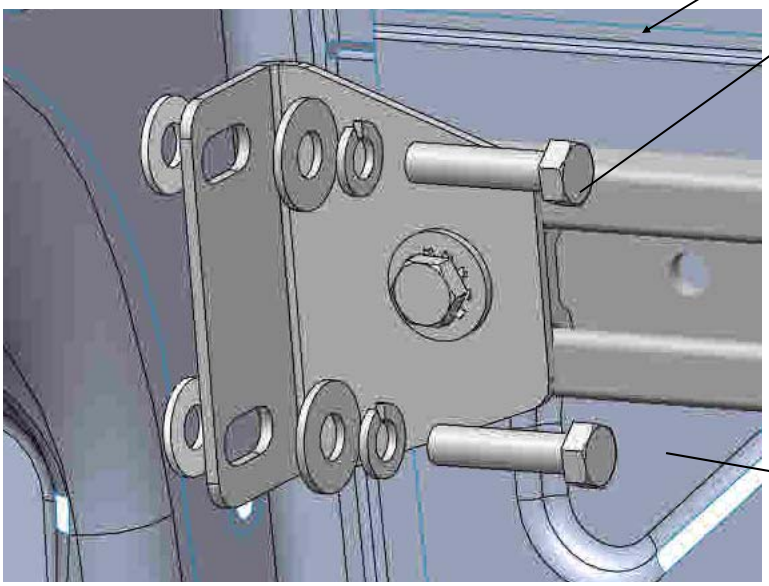
STEP 1F - FINAL INSTALLATION OF STREET SIDE UPPER RAIL

MAKE SURE THE RAIL IS STRAIGHT AND TIGHTEN TO AN APPROXIMATE HEIGHT OF 47.25" FROM THE FLOOR TO THE BOTTOM OF THE RAIL.

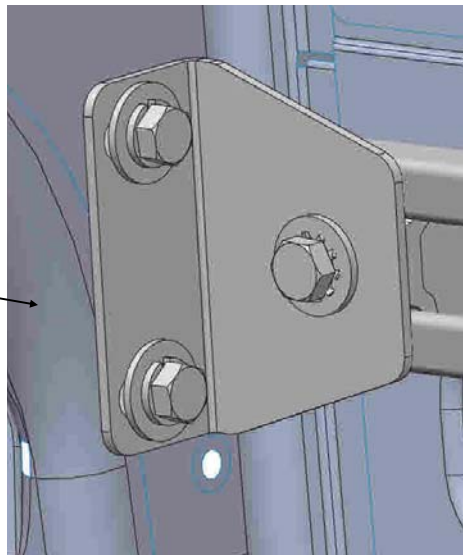


TRANSFER HOLES
OPEN HOLE UP TO 1/2" DIA
WITH DRILL STOP
ADD PLUSNUTS
FAS0091—5/16 PLUSNUT (2)

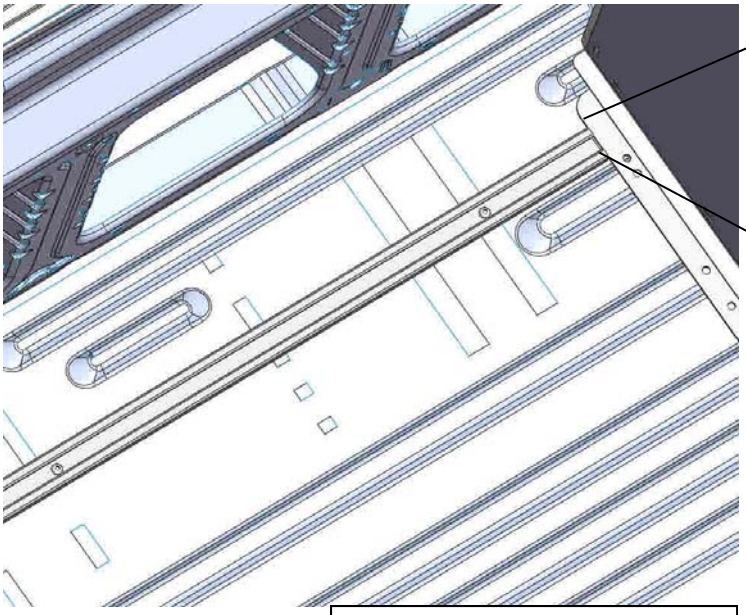




FAS0093— HEX HEAD (2)
FAS0098—LOCK WASHER (2)
FAS0086—FLAT WASHER (2)

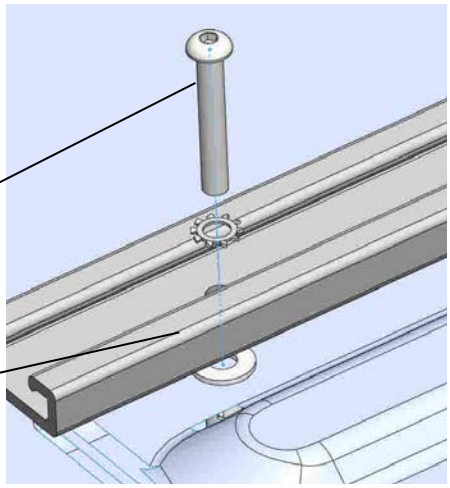


STEP 2 - ADD STREET SIDE FLOOR RAIL WITH ADRIAN PARTITION



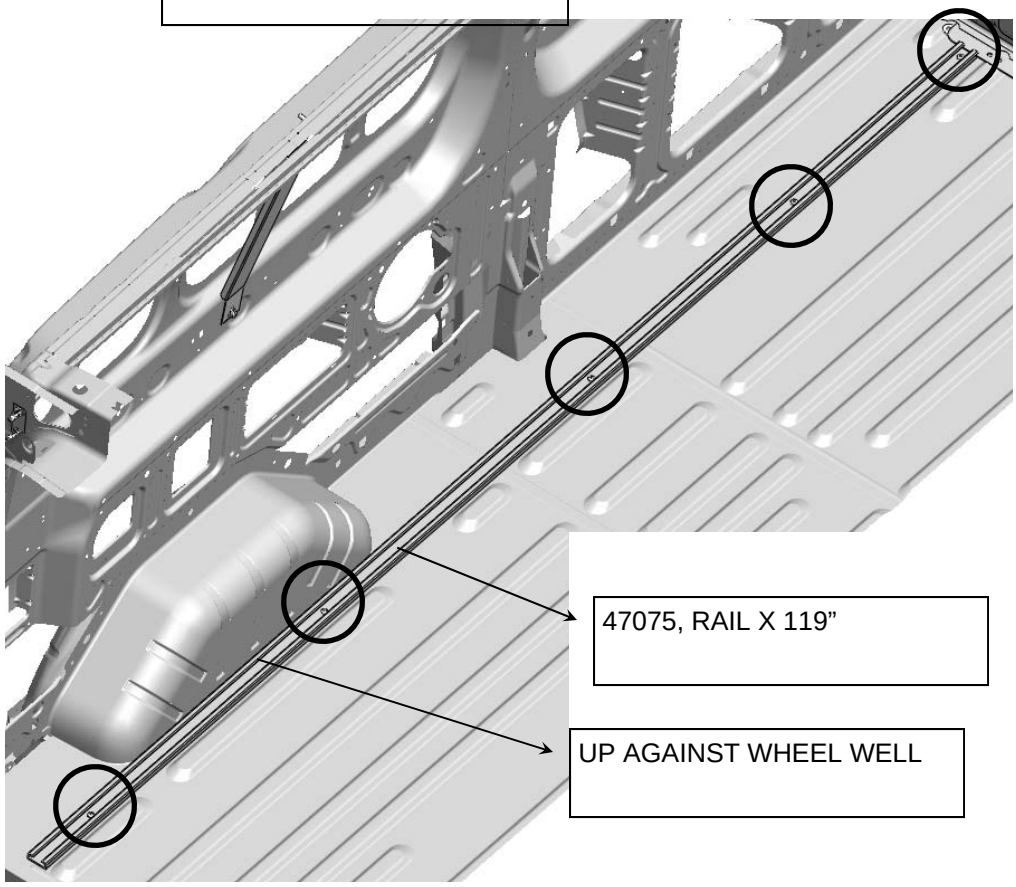
INSTALLED ADRIAN PARTITION FOOTER RAIL.

TOUCHING TO APPROXIMATELY 1/8” AWAY FROM FOOTER RAIL



FAS0091—PLUSNUT (5)
FAS0048— BUTTON HD (5)
FAS0085—STAR WASHER (5)

WITH FLOORING USE TALL SPACERS 03927-2 (5)



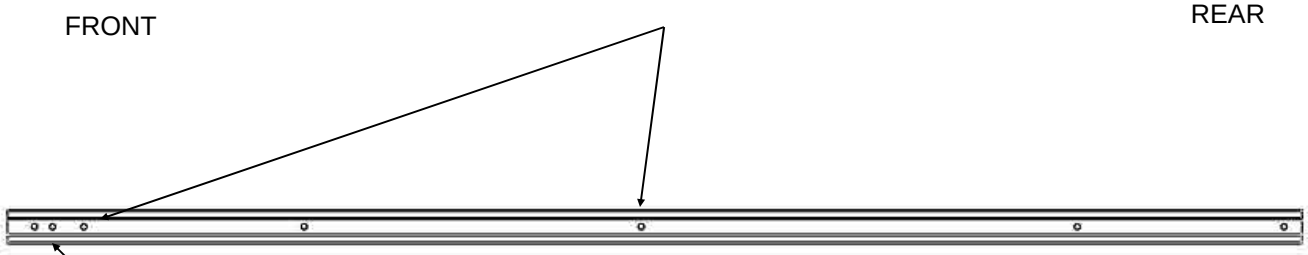
47075, RAIL X 119”

UP AGAINST WHEEL WELL

STEP 3A CURB SIDE UPPER/LOWER RAIL HOLE IDENTIFICATION PAGE

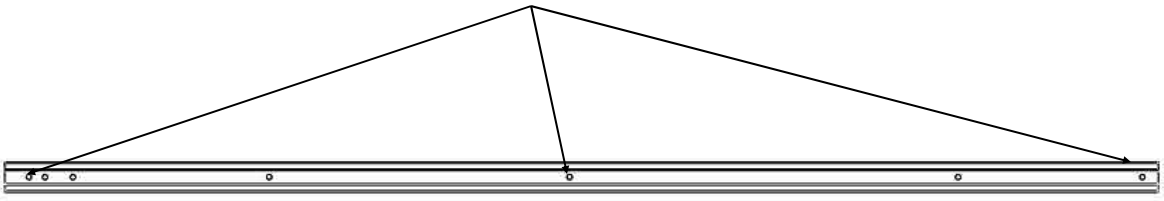
UPPER RAIL HOLE LOCATIONS USED
(3RD, AND 5TH HOLES)

FRONT REAR



IMPORTANT:
DO NOT USE FRONT TWO HOLES FOR UPPER RAIL INSTALLATION.

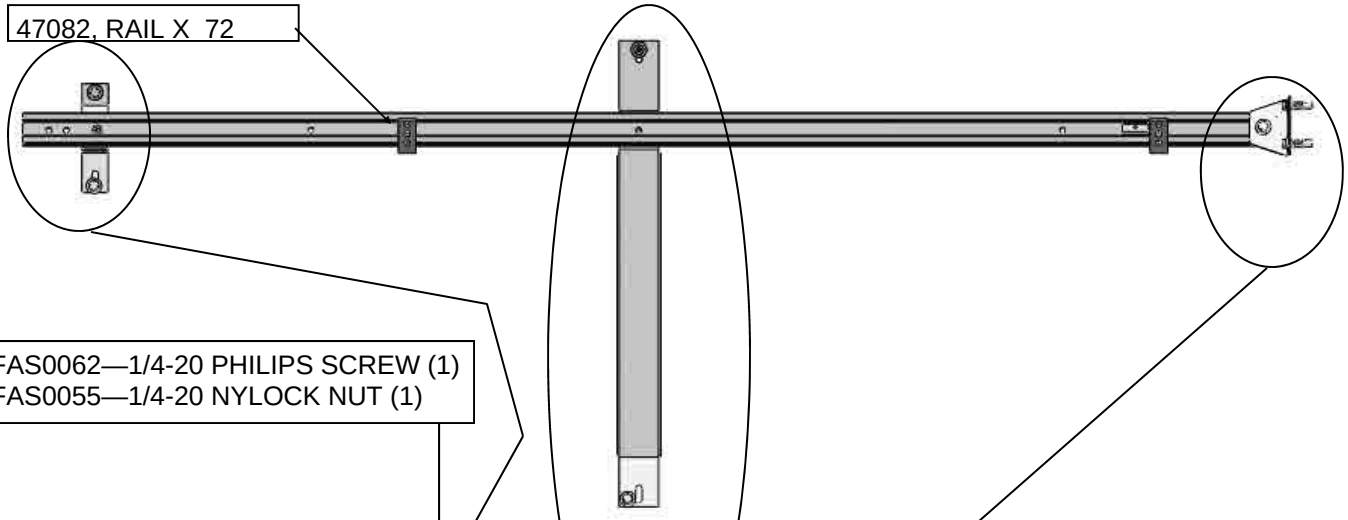
FLOOR RAIL HOLE LOCATIONS USED
(1ST, 5TH, AND 7TH HOLES)



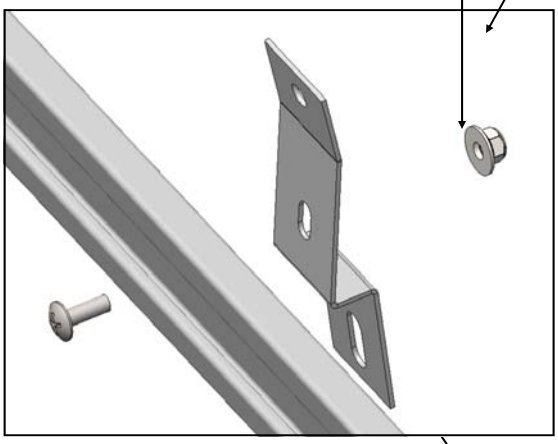
STEP 3A CURB SIDE UPPER RAIL, RAIL ASSEMBLY

- ASSEMBLE RAIL BEFOR PUTTING IN VEHICLE, **DO NOT FULLY TIGHTEN**

47082, RAIL X 72

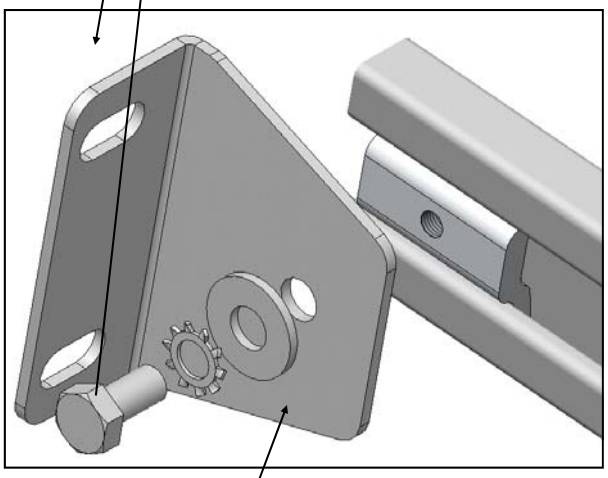


FAS0062—1/4-20 PHILIPS SCREW (1)
FAS0055—1/4-20 NYLOCK NUT (1)



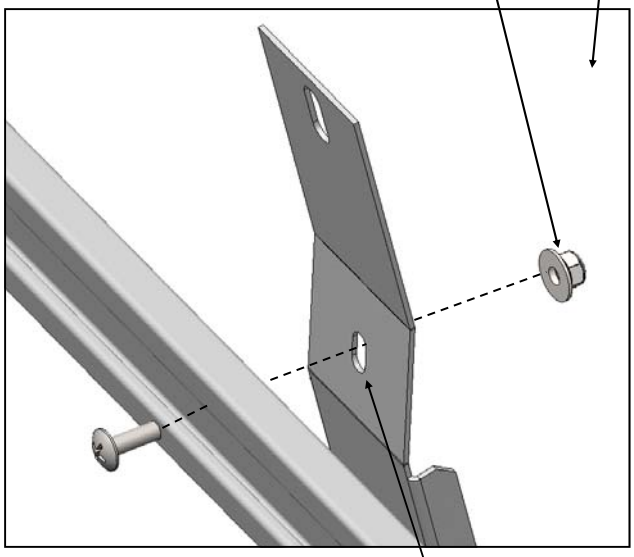
BRACKET— 47097-G

35335-0 SLIDE
FAS0165— HEX HEAD (1)
FAS0085—STAR WASHER (1)
FAS0086—FLAT WASHER (1)



BRACKET— 47078 –G

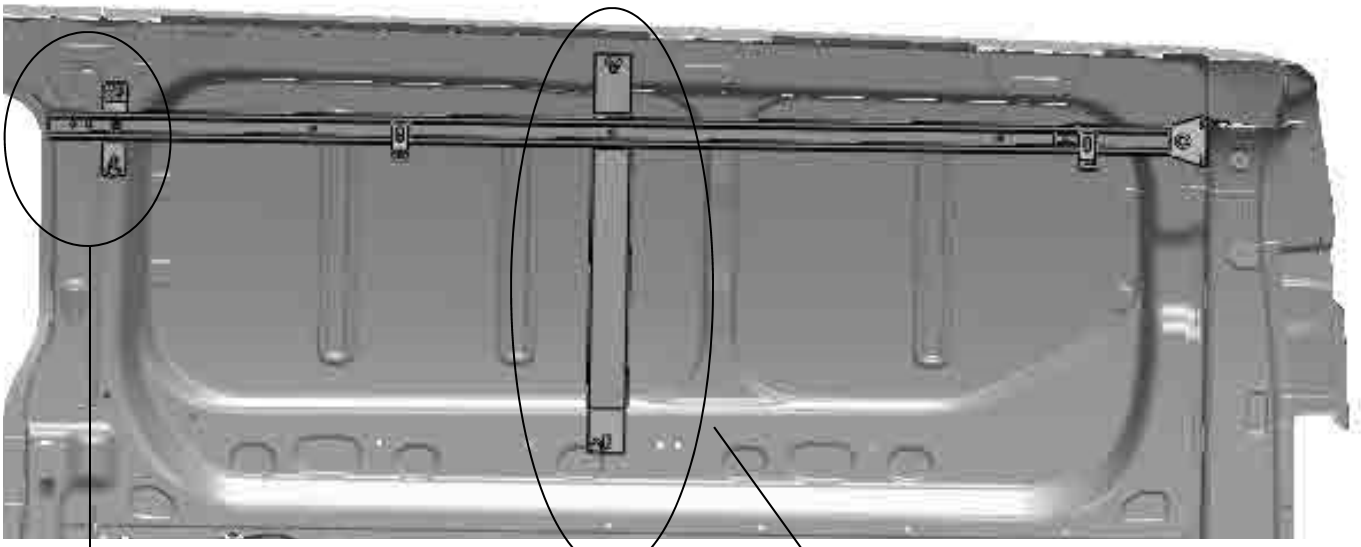
FAS0062—1/4-20 PHILIPS SCREW (1)
FAS0055—1/4-20 NYLOCK NUT (1)



BRACKET— 47077-G

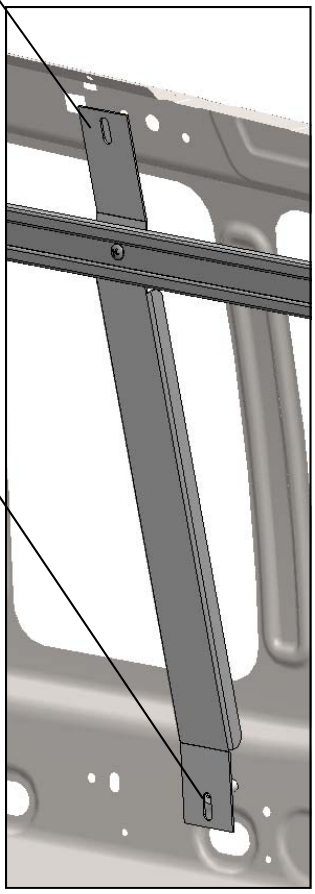
STEP 3B CURB SIDE UPPER RAIL

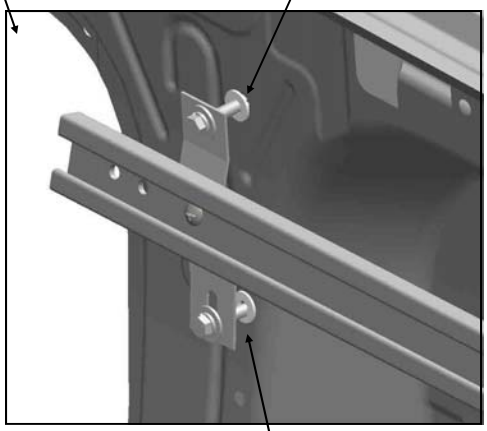
- INSERT RAIL ASSEMBLY INTO VEHICLE, TRANSFER HOLES TO ADD PLUSNUTS



EXISTING M8 INSERT

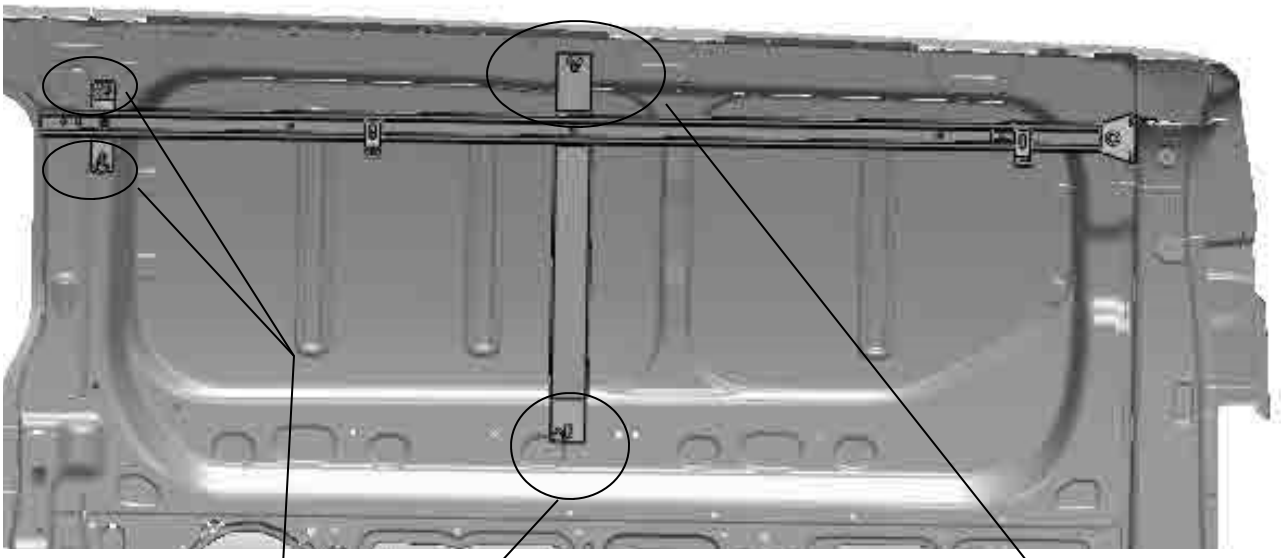
TRANSFER HOLES
OPEN HOLE UP TO 1/2" DIA
WITH DRILL STOP
ADD PLUSNUTS
FAS0091—5/16 PLUSNUT (3)



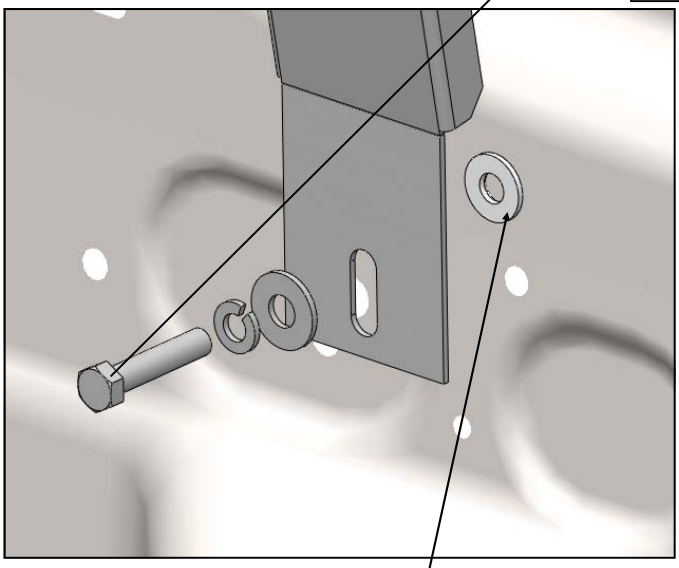


ADD PLUSNUT TO THE TOP
HALF OF THE EXISTING
SLOT

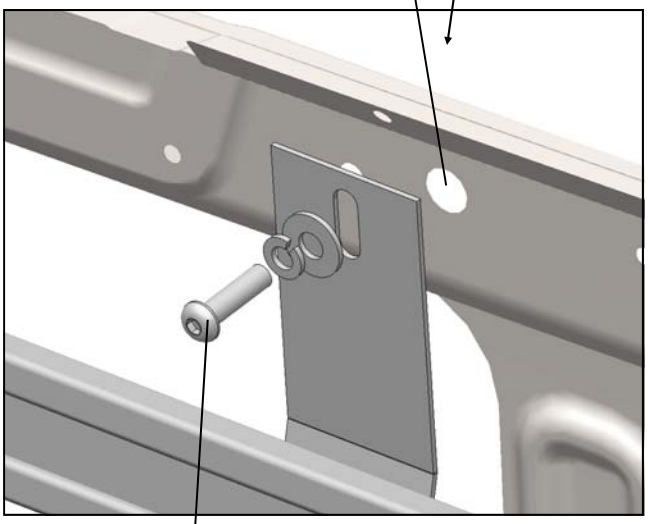
STEP 3C - INSTALLATION OF CURB SIDE UPPER RAIL



FAS0093— HEX HEAD (3)
FAS0098—LOCK WASHER (3)
FAS0086—FLAT WASHER (3)



EXISTING M8 INSERT



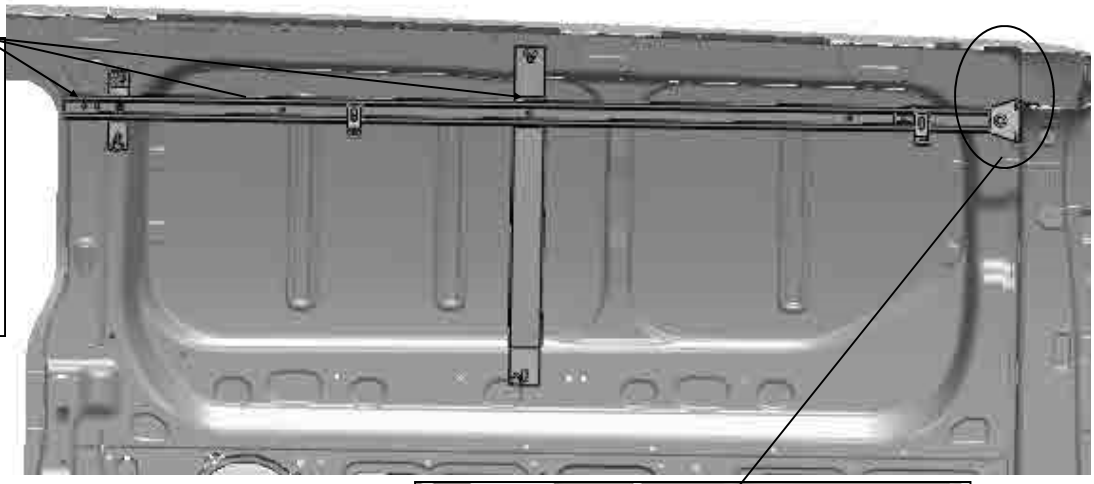
FAS0091—5/16 PLUSNUT

FAS0741— M8 1.25 BUTTON SCREW (1)

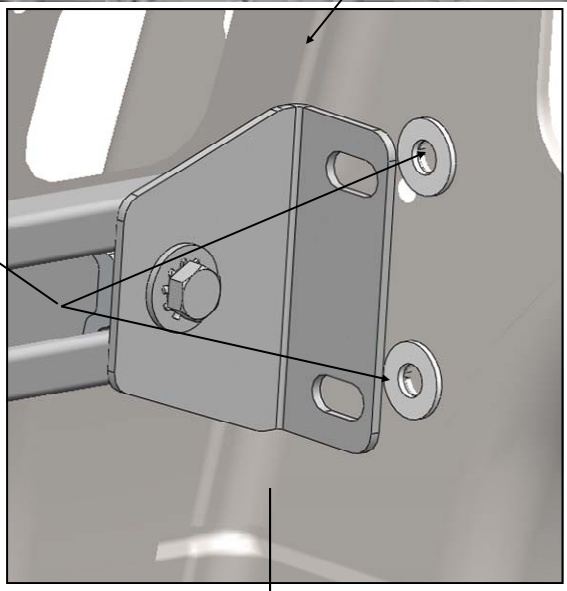
FAS0098—LOCK WASHER (1)
FAS0086—FLAT WASHER (1)

STEP 3D - FINAL INSTALLATION OF CURB SIDE UPPER RAIL

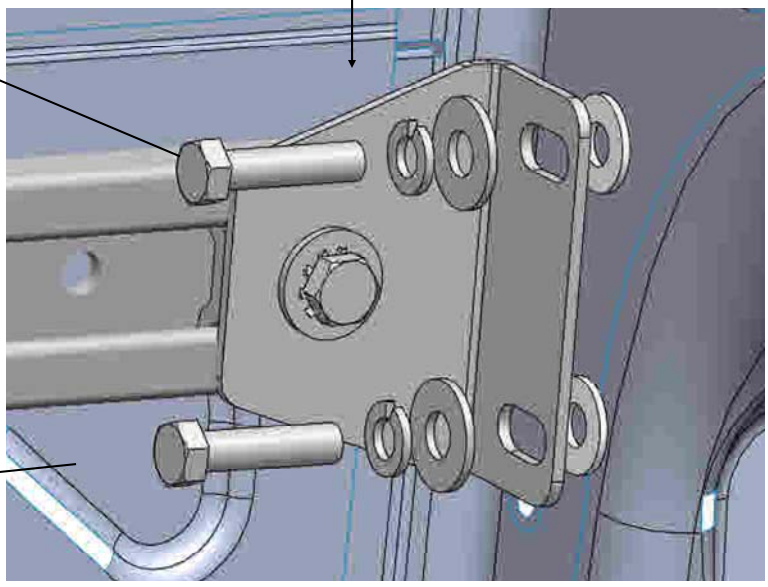
MAKE SURE THE RAIL IS STRAIGHT AND TIGHTEN TO AN APPROXIMATE HEIGHT OF 47.25” FROM THE FLOOR TO THE BOTTOM OF THE RAIL.

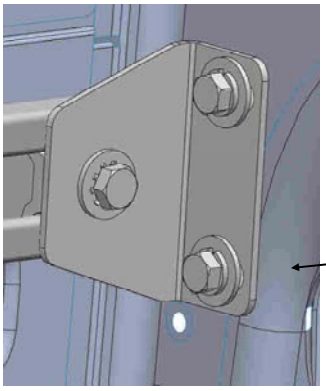


TRANSFER HOLES
OPEN HOLE UP TO 1/2” DIA WITH DRILL STOP
ADD PLUSNUTS
FAS0091—5/16 PLUSNUT (2)

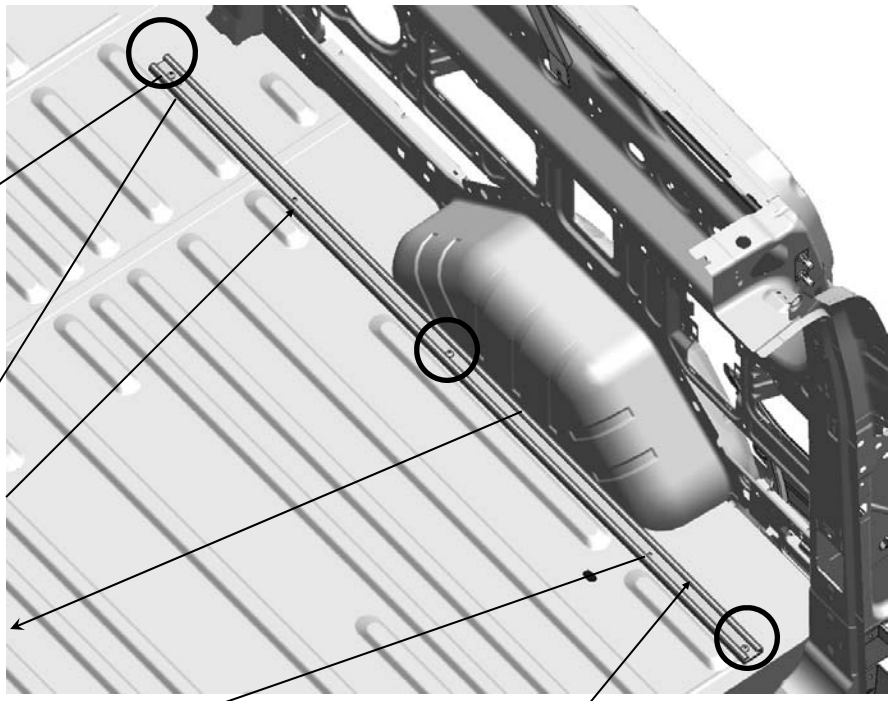


FAS0093— HEX HEAD (2)
FAS0098—LOCK WASHER (2)
FAS0086—FLAT WASHER (2)





STEP 4 - ADD CURB SIDE FLOOR RAIL



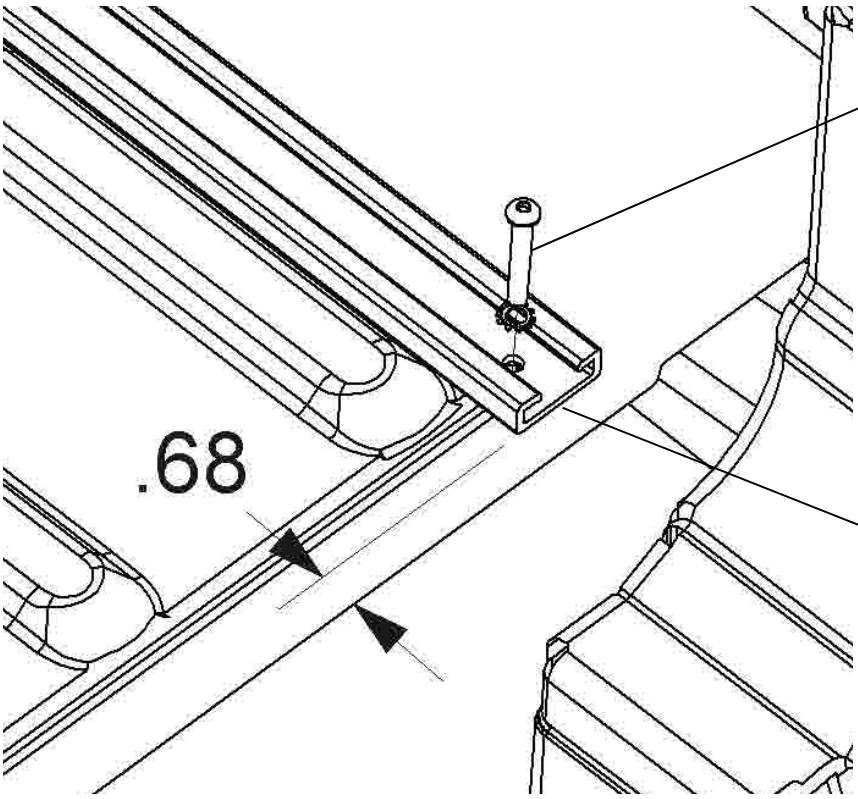
TRANSFER HOLE LOCATIONS
(3) PLACES
REMOVE RAIL
DRILL AND SET PLUSNUTS
FAS0091—5/16 PLUSNUT (3)

DO NOT USE THESE HOLES

UP AGAINST WHEEL WELL

DO NOT USE THIS HOLE

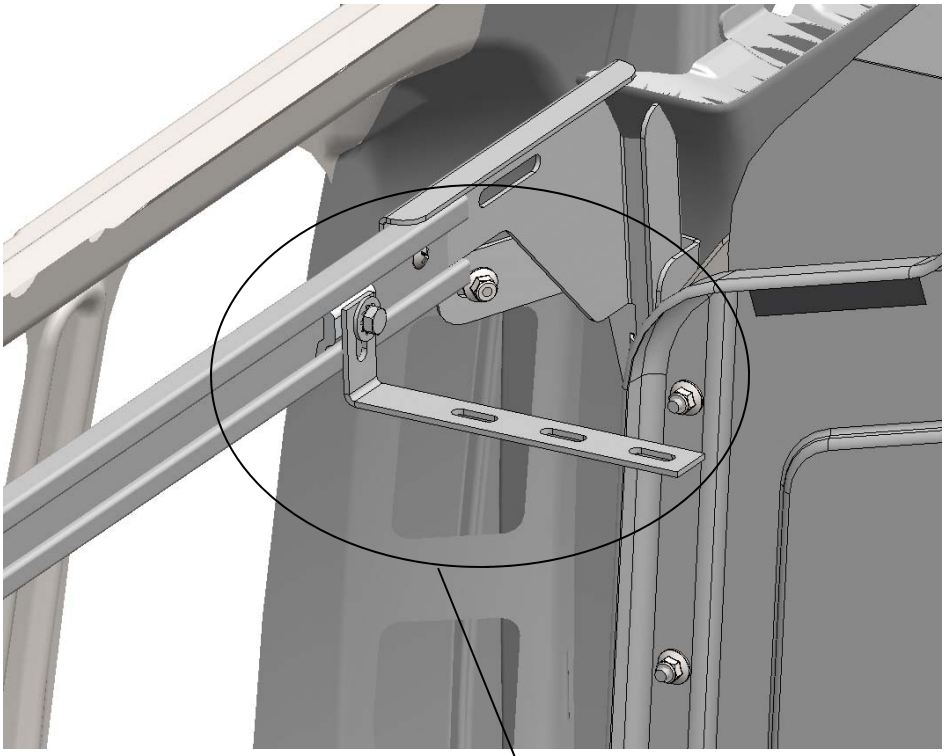
47082, RAIL X 72



FAS0091—PLUSNUT (3)
FAS0048— BUTTON HD (3)
FAS0085—STAR WASHER (3)

APPROX 11/16” FROM SEAM
LINE UP WITH TOP RAIL

STEP 5 - ADD SHELFING BRACKETS - 4 ON STREET SIDE UPPER AND 2 ON CURB SIDE UPPER

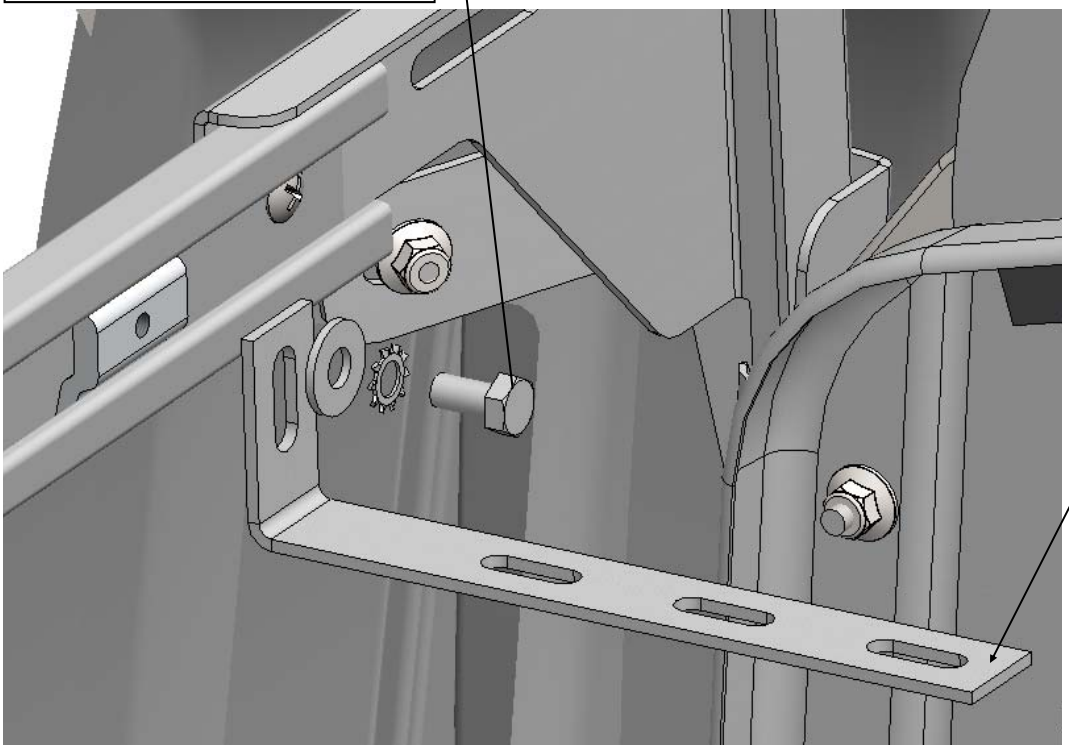


SHELFING BRACKET—
45339-G (6)

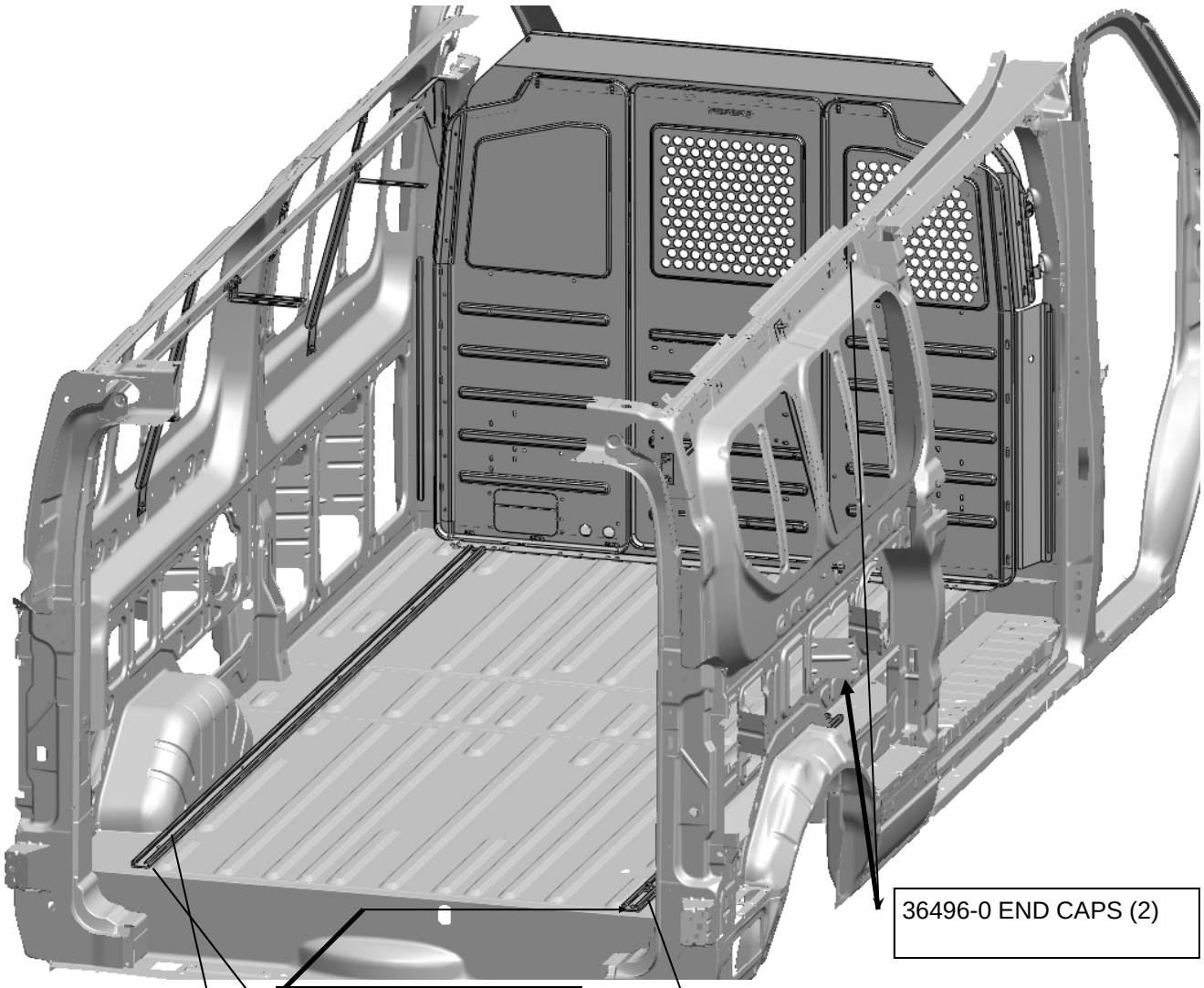
4 UPPER STREET SIDE

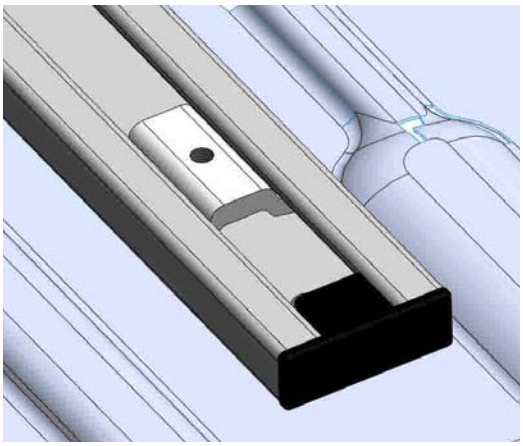
2 UPPER CURB SIDE

35335-0 SLIDE (6)
FAS0165— HEX HEAD (6)
FAS0085—STAR WASHER (6)
FAS0086—FLAT WASHER (6)



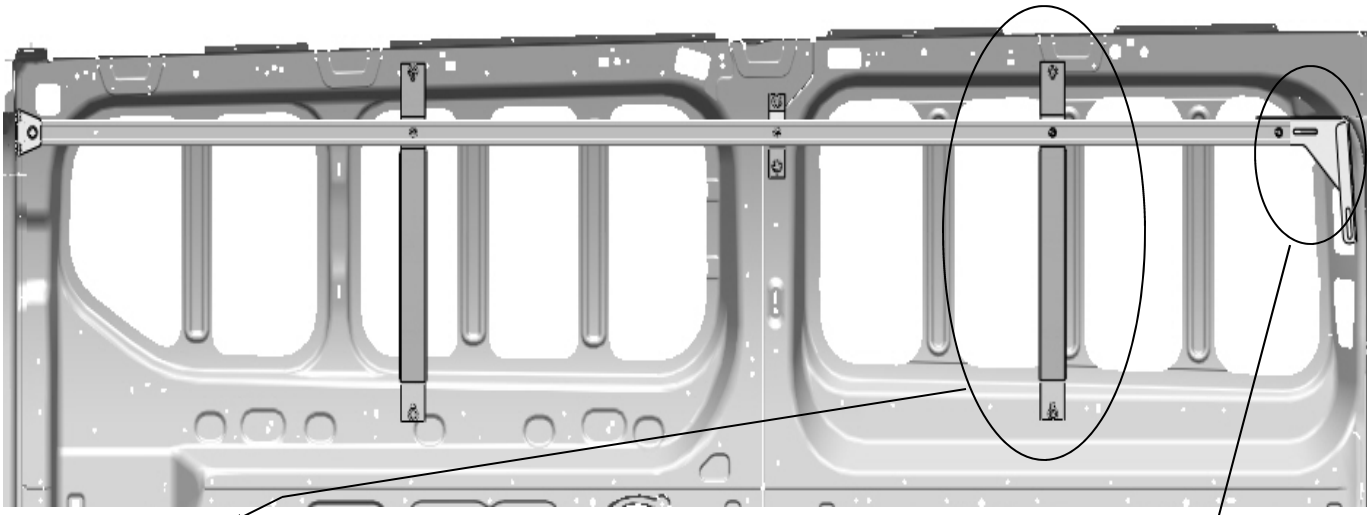
STEP 5 - ADD SLIDES AND END CAPS TO RAILS

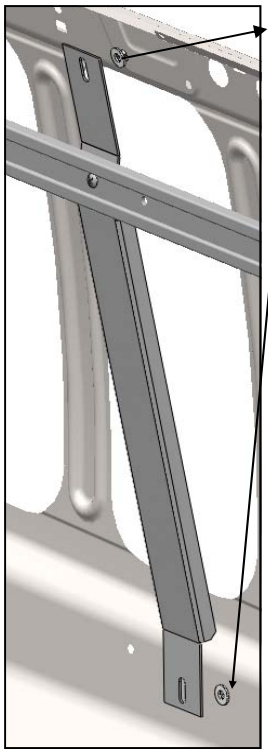




STEP 1B STREET SIDE UPPER RAIL

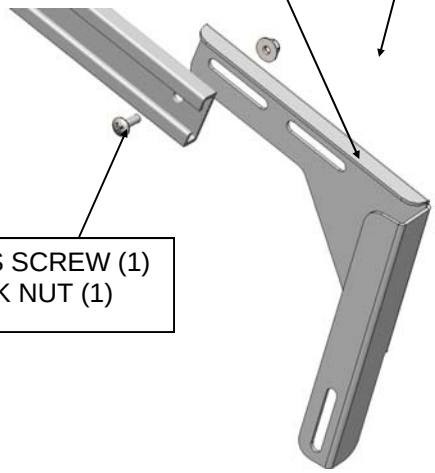
- INSERT RAIL ASSEMBLY INTO VEHICLE, TRANSFER HOLES TO ADD PLUSNUTS





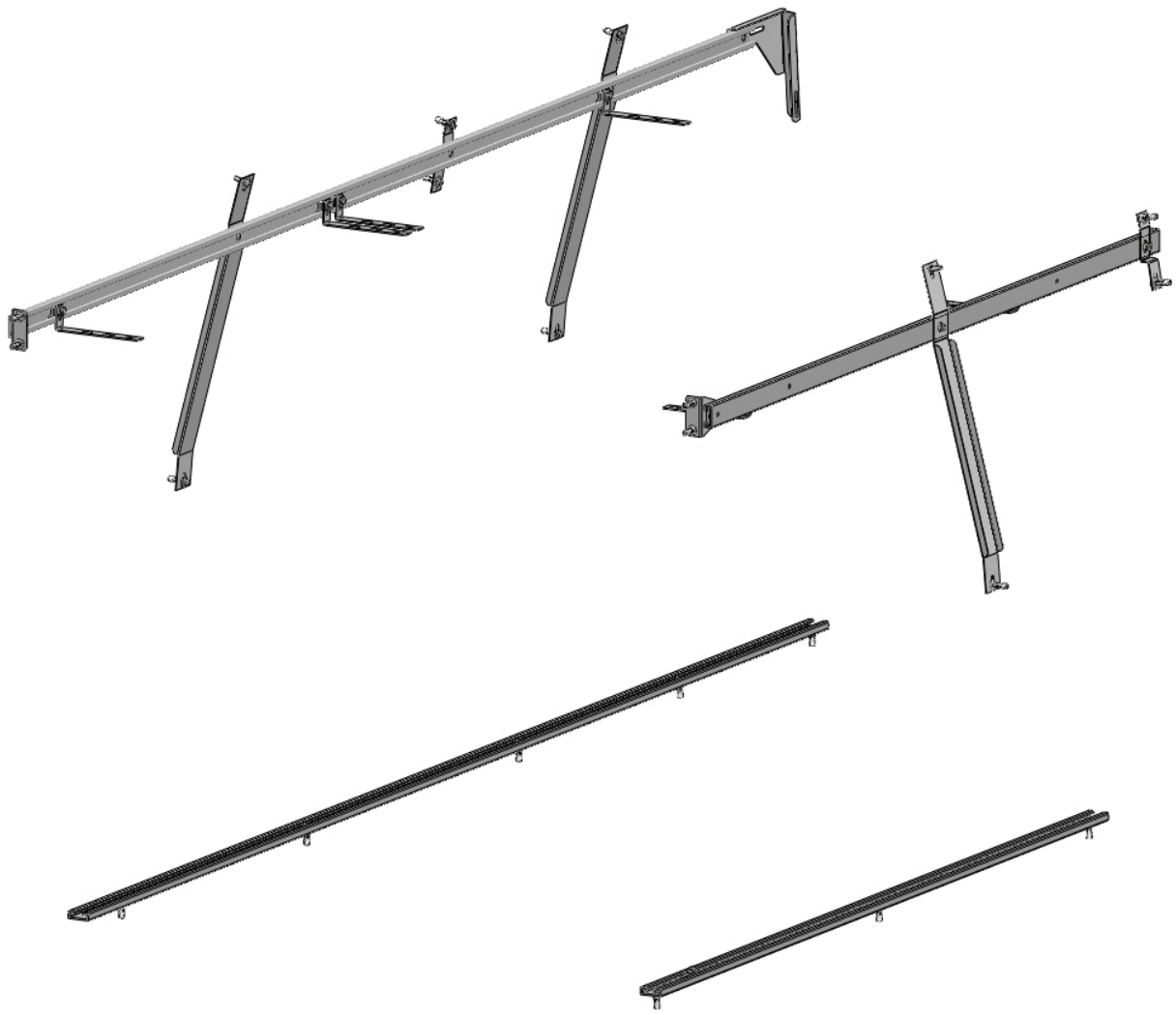
TRANSFER HOLES
OPEN HOLE UP TO 1/2" DIA
WITH DRILL STOP
ADD PLUSNUTS
FAS0091—5/16 PLUSNUT (2)

BRACKET— 46861-G



FAS0062—1/4-20 PHILIPS SCREW (1)
FAS0055—1/4-20 NYLOCK NUT (1)

YOUR INSTALLATION IS NOW COMPLETE



DOUBLE CHECK ALL FASTENERS LOCATIONS TO BE SURE THAT ALL FASTENERS ARE TIGHTENED TO SPECIFICATIONS.
YOUR INSTALLATION IS NOW COMPLETE!
STOW THIS COPY IN THE VEHICLE FOR FUTURE REFERENCES!