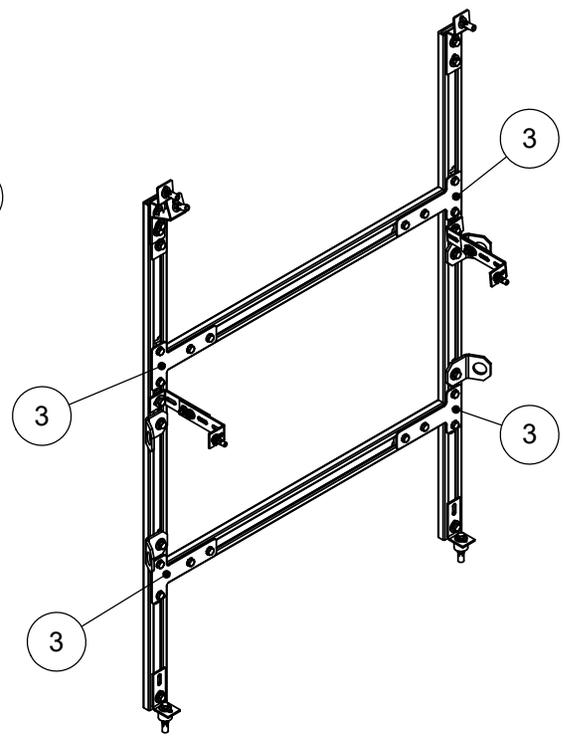
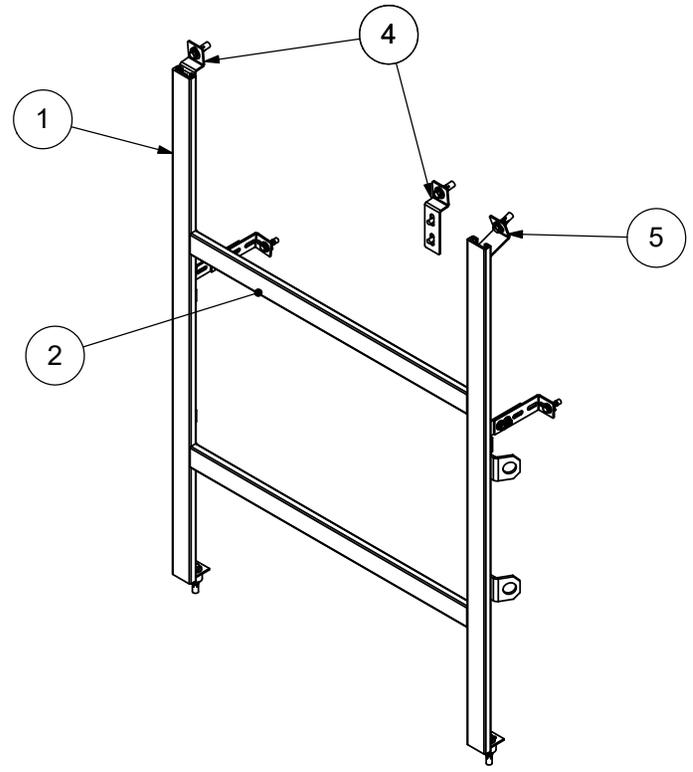
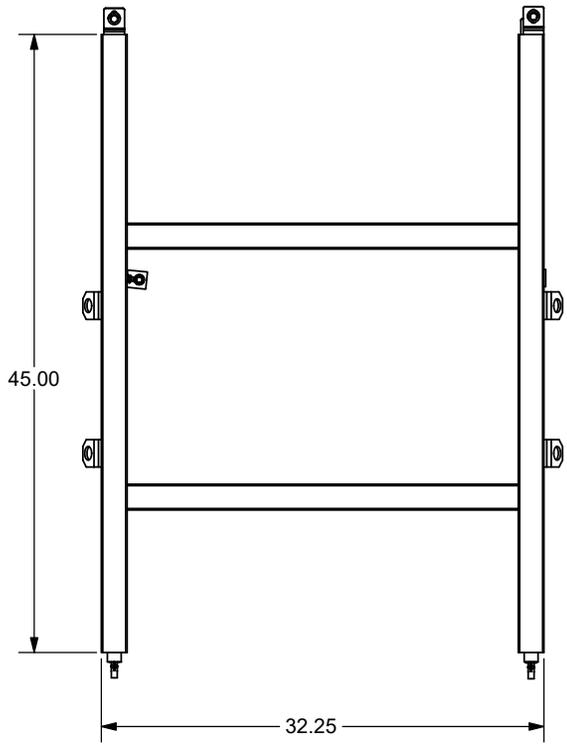


ITEM NO.	PART NUMBER	DESCRIPTION	TDRTC14/QTY.
1	48478	RAIL AD, 20287, 45.00 NO HOLES	2
2	48479	RAIL AD, 20287, 28.50, NO HOLES	2
3	44117-G	CROSS RAIL BRACKET, CRK-35	4
4	48382-G	WALL BRACKET, TRANSIT CONNECT	2
5	48383-G	WALL BRACKET, TRANSIT CONNECT	1
6	BAG48482	FAS BAG, DISPLAY WALL	1
7	HDW48826	HARDWARE KIT, AD RAIL, TIE DOWN RACK	1
8	40152	STRAP, NYLON, 1" X 72" W/BCKL	2

△ D

△ C



Initial Release: **ECN-17174** Current Revision: **ECN-20600**

Description of change(s):  
**RELEASED FOR PRODUCTION**

△ C **SEGMENT CODE WAS HDW  
ADDED 40152 TO THE BOM ON THIS DWG**

△ D **Added bracket to work for PMC**

UNLESS OTHERWISE SPECIFIED  
ALL BEND ANGLES  
ARE 90 DEGREES  
ALL DIMENSIONS ARE IN INCHES.

FEATURES	HOLES/SLOTS
0.0 = ± .125	0.0 = ± .062
0.00 = ± .062	0.00 = ± .031
0.000 = ± .031	0.000 = ± .015

ANGLES  
0° = ± 2°  
0.0° = ± 1°  
Material Thickness: per AISI Std.

PRINTED DOCUMENT IS UNCONTROLLED

THIS DRAWING IS THE PROPERTY OF ADRIAN STEEL COMPANY AND IS NOT TO BE USED IN ANY MANNER DETRIMENTAL TO THE INTERESTS OF ADRIAN STEEL COMPANY

Designed By: **T. WILLIS**

THIS PART IS NOT PAINTED, COATED OR FINISHED AT THIS PART LEVEL!

Mat'l Type:

Raw Material:

Part Weight. (Lbs.): **13**

Segment Code: **KD**

Part Description: **TIE DOWN RACK, BEST BUY , TRANSIT CONNECT**



Part Number  
**TDRTC14**

Sheet 1 of 1

CURRENT REVISION LEVEL

**D**

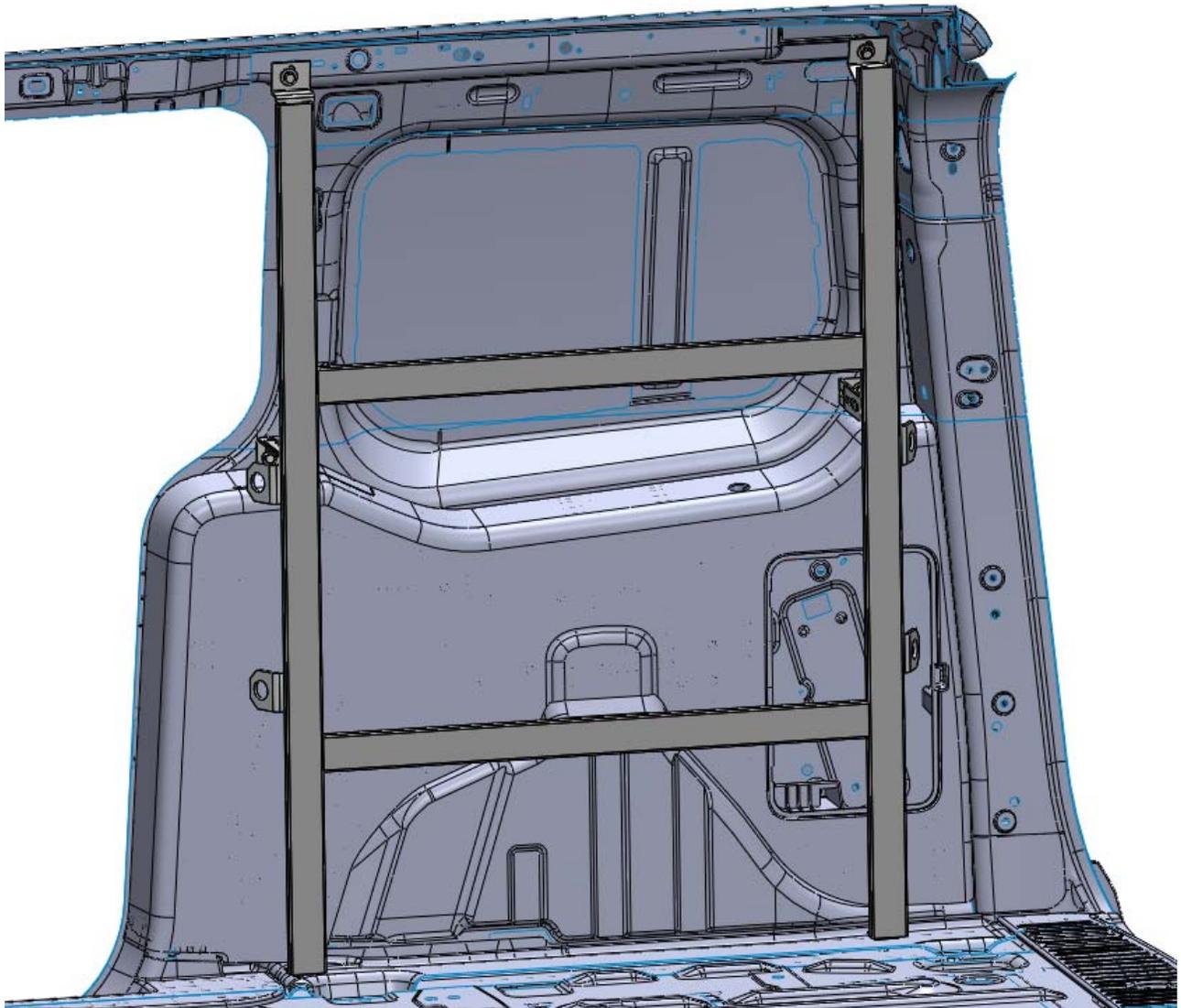
PRODUCTION RELEASED!

**Introduction / Comments:**

This Tie down rack is designed to fit in your Transit Connect or Promaster City, Curb side.

**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.



**TDRTC14,  
TIE DOWN RACK  
TRANSIT CONNECT**

## - PRECAUTIONS -



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



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



**DANGER 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 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



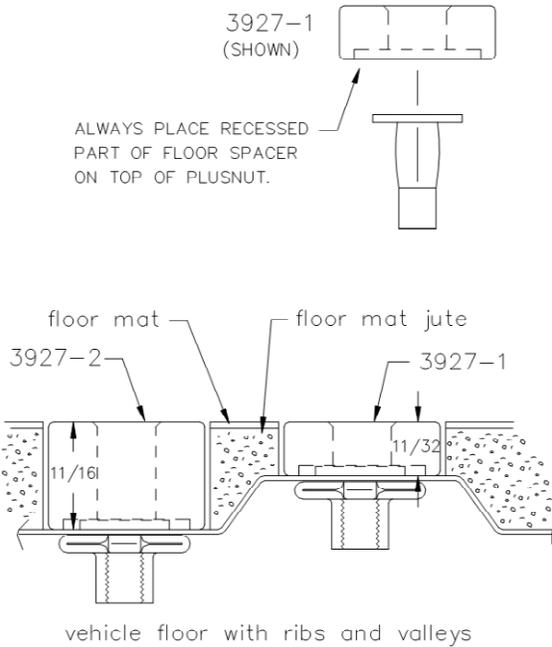
SCREWDRIVERS



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.

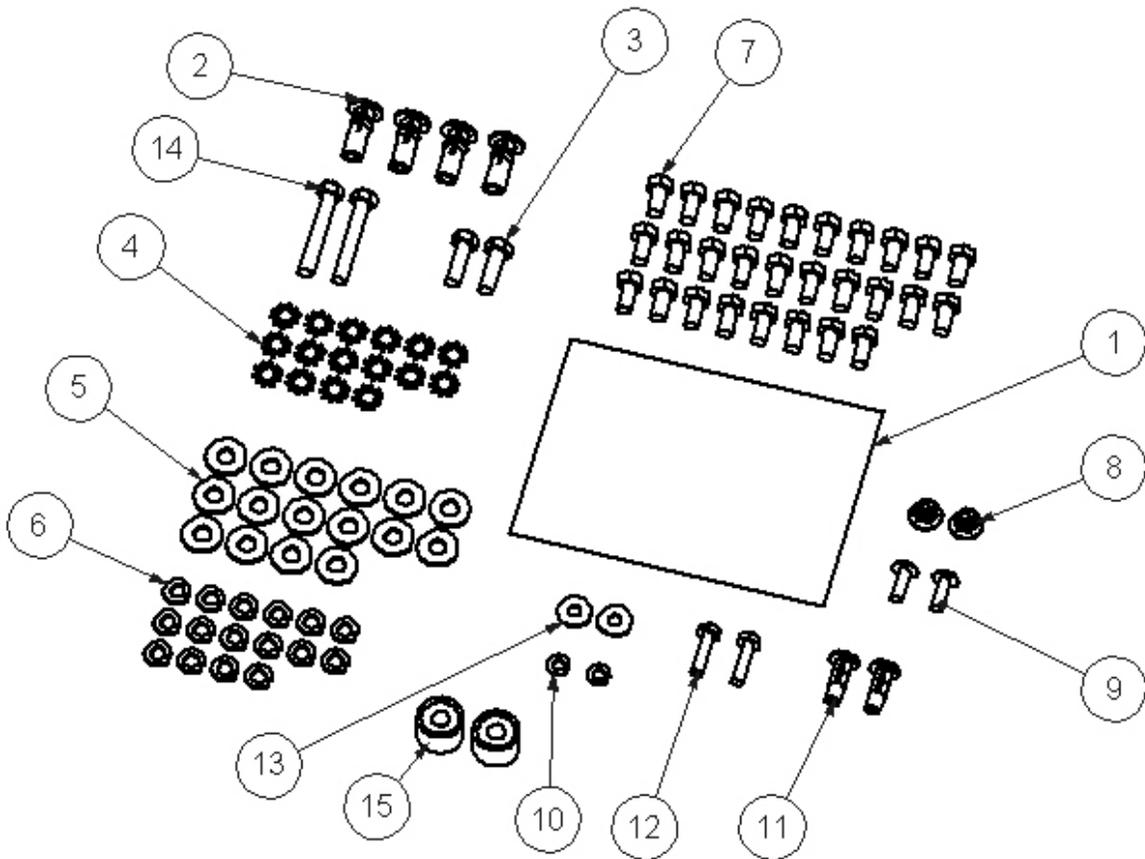
1/4-20UNC Plusnut (FAS0052) Use 3/8" dia. drill w/stop  
 FAS0080 SCREW, HXHD, 1/4-20UNCx2.00", G8  
 FAS0067 WASHER, FLAT, 1/4"ID  
 22200-0 PLUSNUT TOOL

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

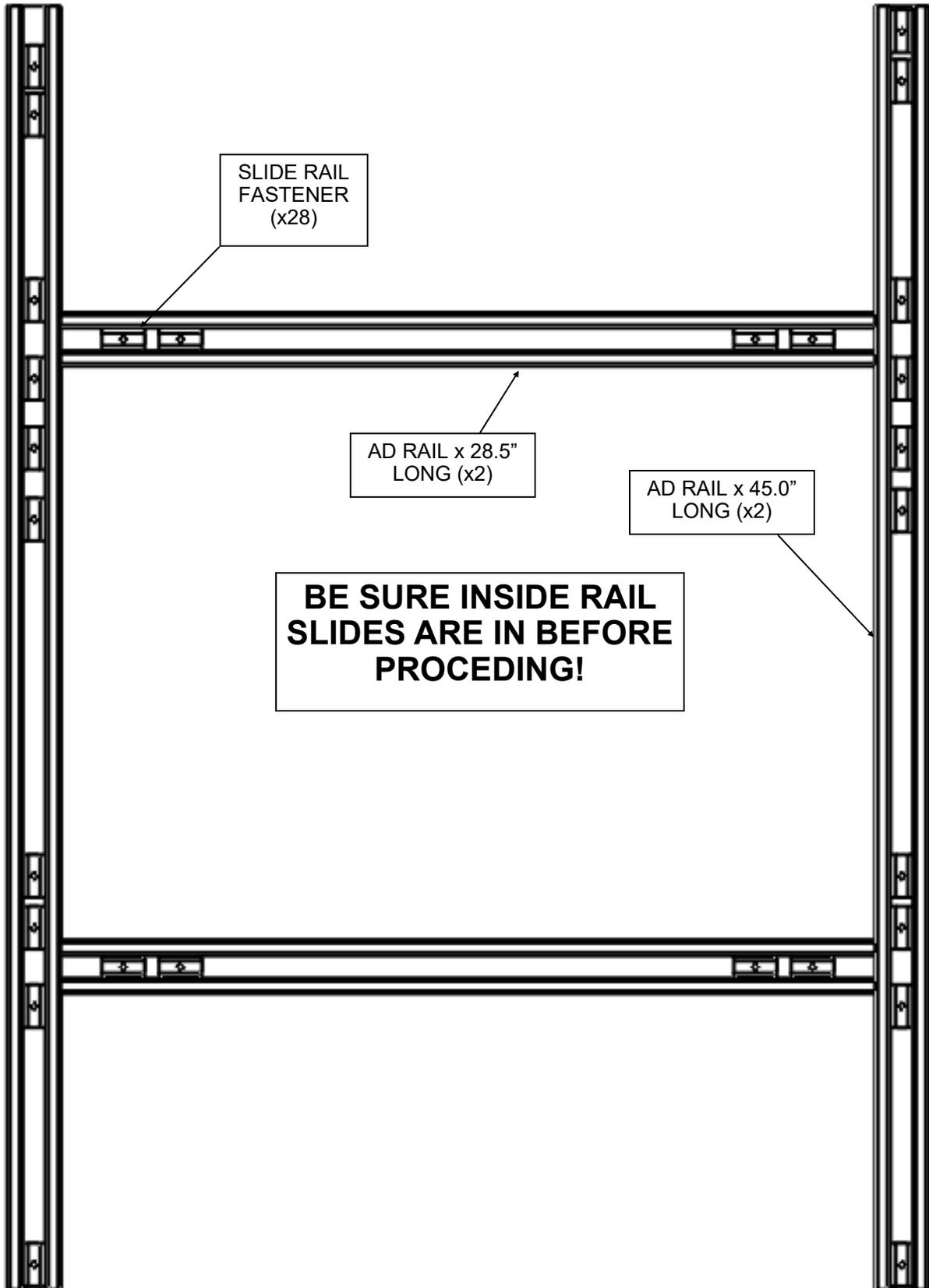
Place barrel of the plusnut body in sheet metal thru hole until flange is flush with sheet metal. Using a 9/16" combination wrench of plusnut tool body and a second hand wrench, ratchet, or air tool, rotate the hex bolt head CW to draw plus nut flanges up (set the plusnut).

## Assembly and Installation Fastener Identification Sheet ( BAG48482 )

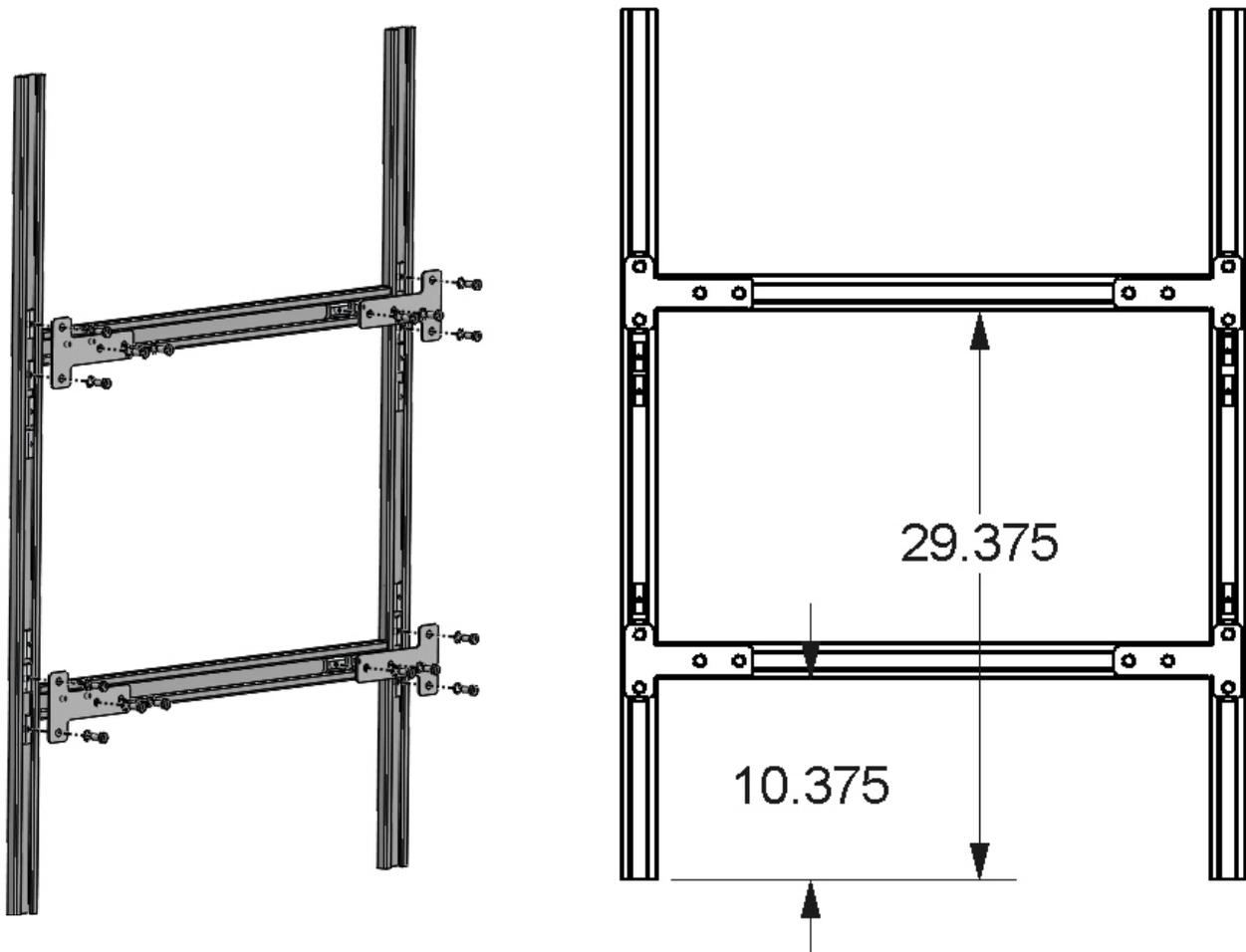
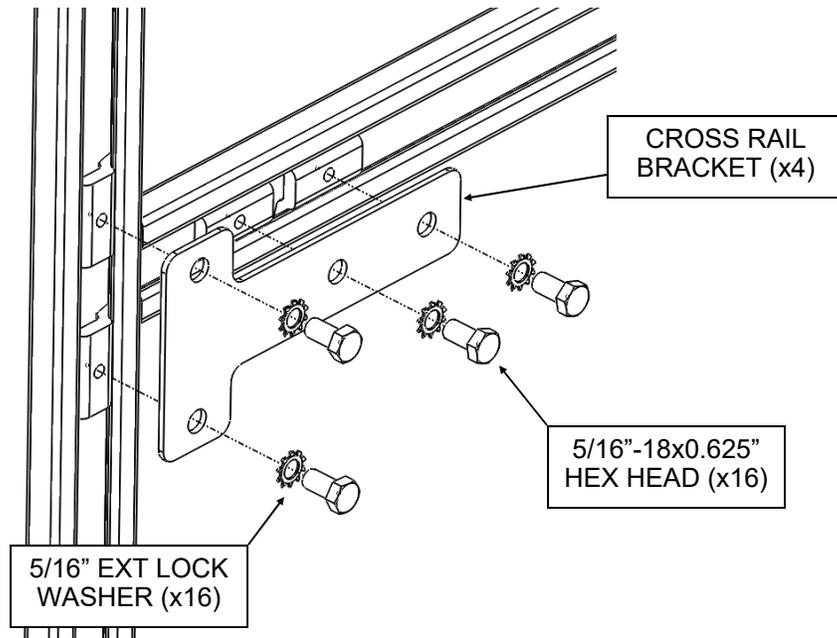
ITEM NO.	PART NUMBER	DESCRIPTION	BAG48482/QTY.
1	BAG0507-A	5" x 7" 3MIL AUTOBAG	1
2	FAS0091	Plusnut, 5/16	4
3	FAS0082	Screw, Hex Hd, 5/16-18x1.00 ZN, YELLOW G8	2
4	FAS0085	Washer, Lock, Ext. Tooth, 5/16	16
5	FAS0086	WASHER,FLAT USS 5/16 ZP	16
6	FAS0098	Washer, Lock, Split, 5/16, Zinc Plate	16
7	FAS0165	Screw, Hex Hd, 5/16-18x.625	28
8	FAS0055	Nut, Hex Flange,Nylock 1/4-20	2
9	FAS0062	Screw, Truss Hd. Ph, 1/4-20x0.75	2
10	FAS0060	Washer, Lock, Split, 1/4	2
11	FAS0052	Plusnut, 1/4	2
12	FAS0078	Screw, Hex Hd, 1/4-20x1.00 Zn Plate, Grade 8	2
13	FAS0067	Washer, Flat, 1/4	2
14	FAS0095	Screw, Hex Hd, 5/16-18x2.00, Grade 8	2
15	03927-2	Tall Floor Spacer	2



**STEP 1A LOCATING SLIDE-AD RAIL FASTENERS.**



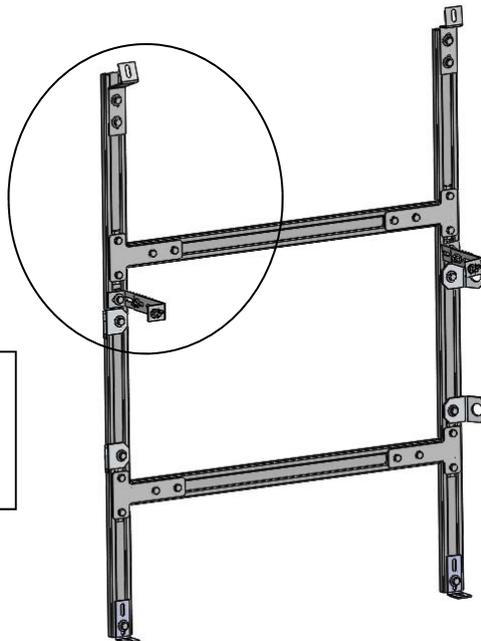
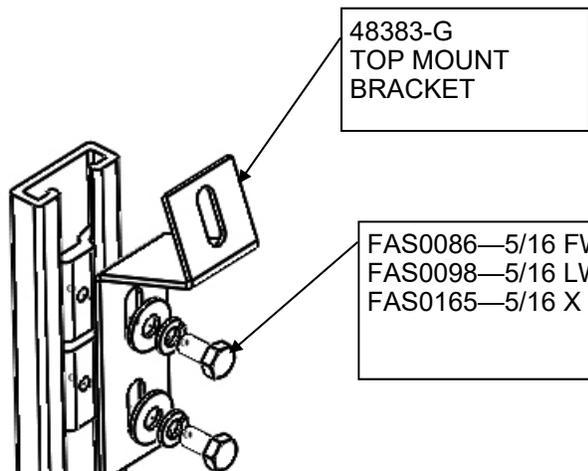
**STEP 1B SECURING AD RAILS WITH CROSS BRACKET**



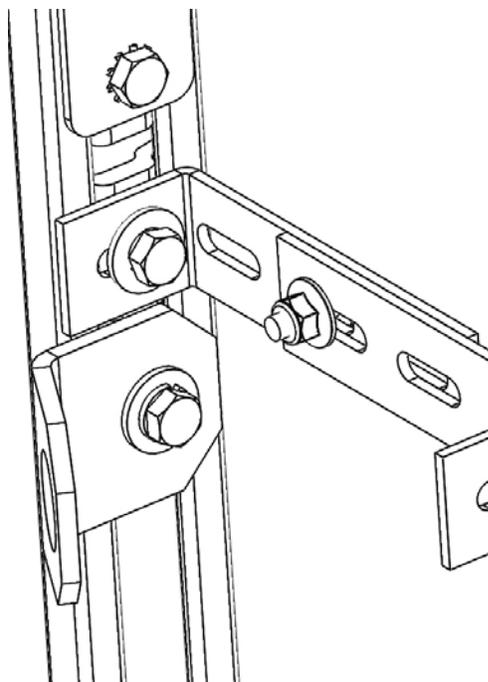
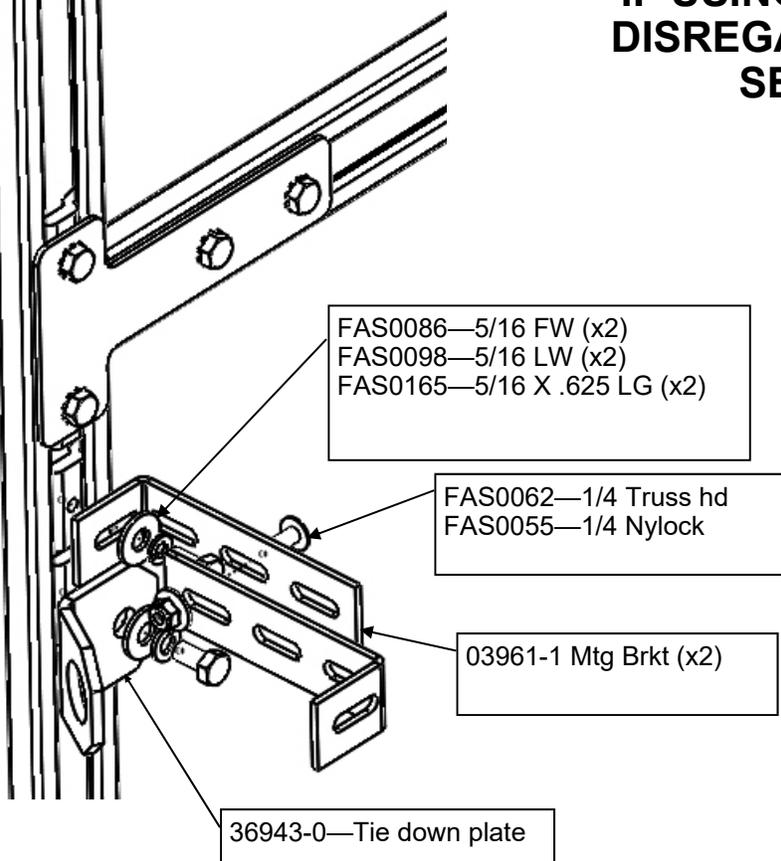
**STEP 2A INSTALLING WALL BRACKETS**

**DO NOT TORQUE  
DOWN FASTENERS!**

LOOSELY MATE FASTENERS  
TOGETHER BY HAND.



**IF USING PROMASTER CITY  
DISREGARD THIS PAGE AND  
SEE NEXT PAGE**



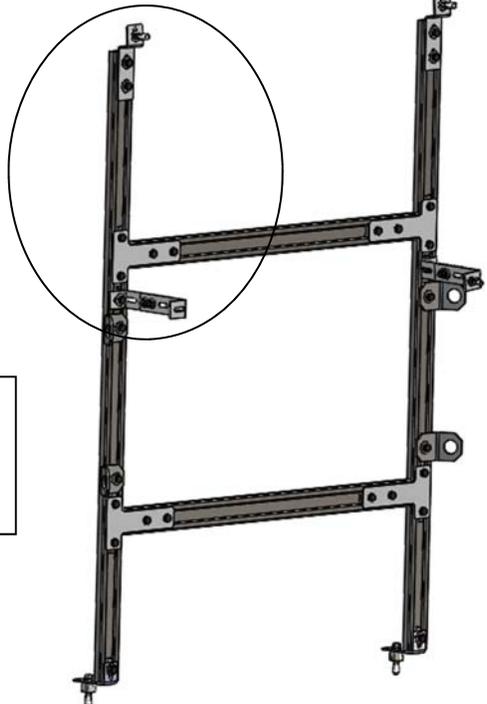
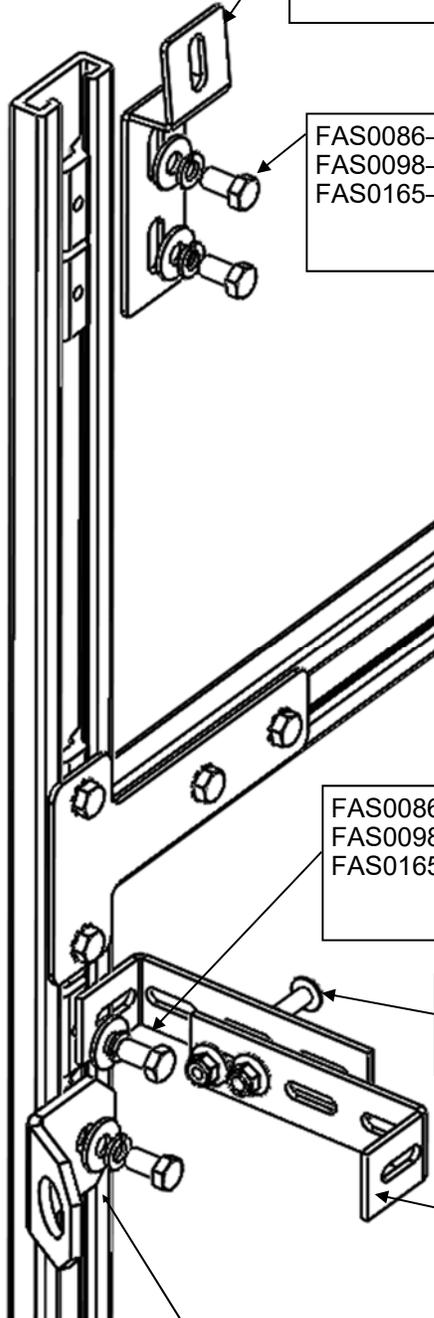


**STEP 2A INSTALLING WALL BRACKETS**

**DO NOT TORQUE  
DOWN FASTENERS!**  
LOOSELY MATE FASTENERS  
TOGETHER BY HAND.

48382-G  
TOP MOUNT  
BRACKET

FAS0086—5/16 FW (x2)  
FAS0098—5/16 LW (x2)  
FAS0165—5/16 X .625 LG (x2)



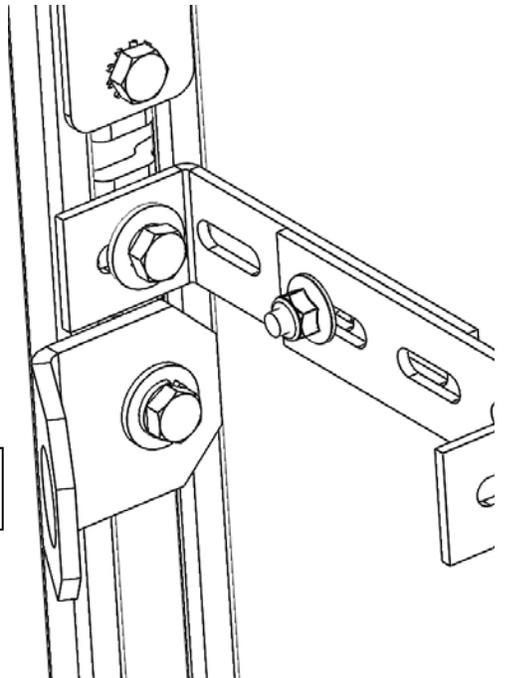
**IF USING TRANSIT CONNECT  
DISREGARD THIS PAGE AND SEE  
PREVIOUS PAGE**

FAS0086—5/16 FW (x2)  
FAS0098—5/16 LW (x2)  
FAS0165—5/16 X .625 LG (x2)

FAS0062—1/4 Truss hd  
FAS0055—1/4 Nylock

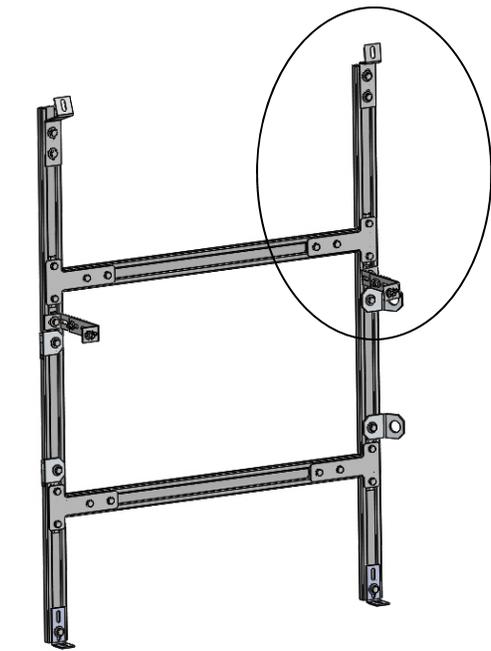
03961-1 Mtg Brkt (x2)

36943-0—Tie down plate



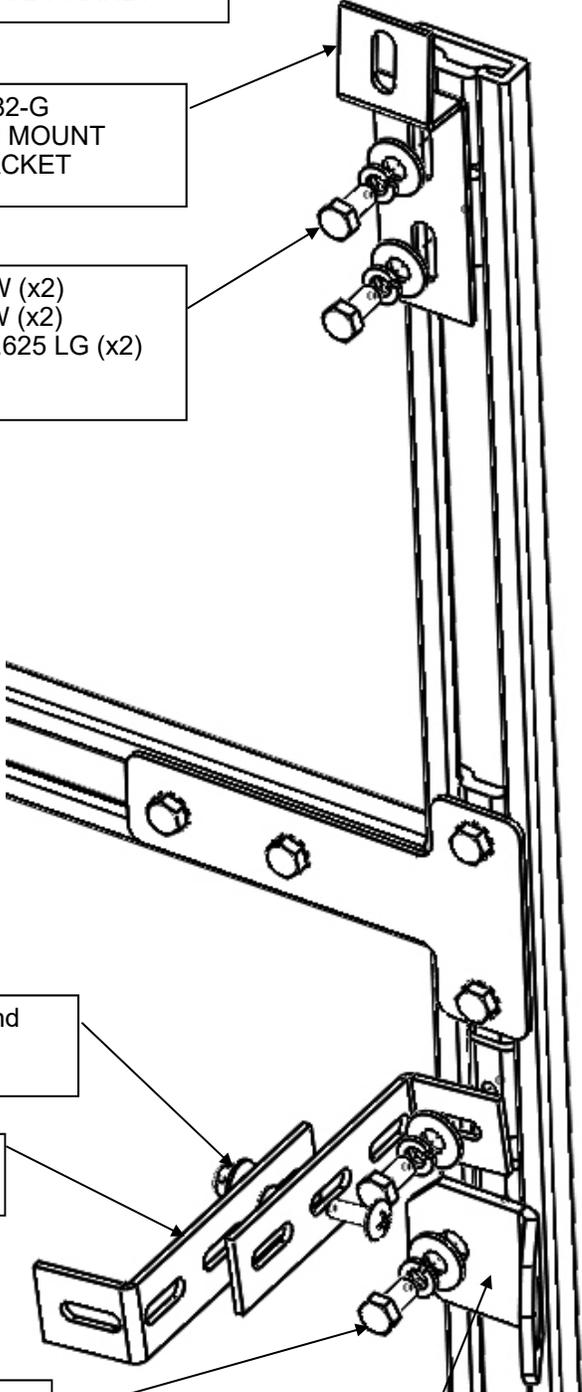
**STEP 2B INSTALLING WALL BRACKETS**

**DO NOT TORQUE  
DOWN FASTENERS!**  
LOOSELY MATE FASTENERS  
TOGETHER BY HAND.



48382-G  
TOP MOUNT  
BRACKET

FAS0086—5/16 FW (x2)  
FAS0098—5/16 LW (x2)  
FAS0165—5/16 X .625 LG (x2)

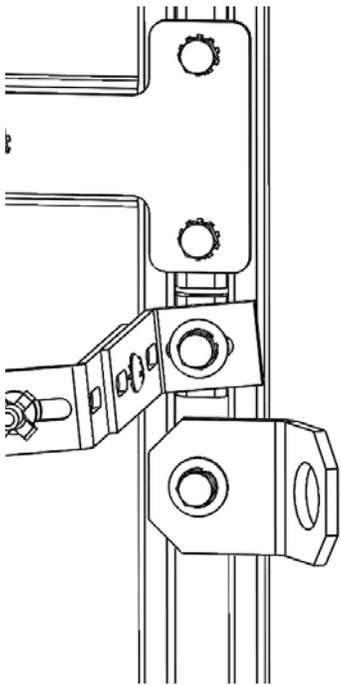


FAS0062—1/4 Truss hd  
FAS0055—1/4 Nylock

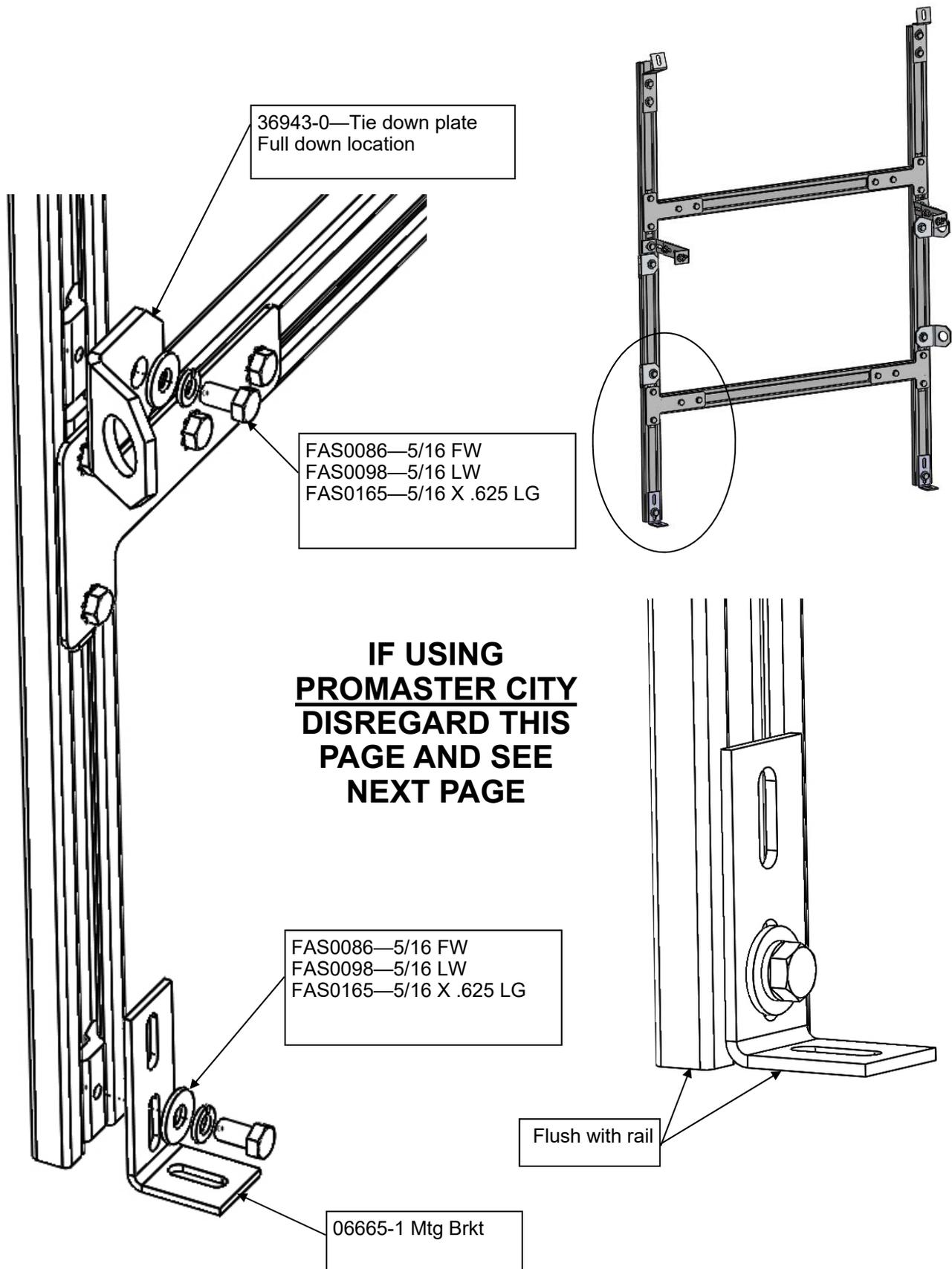
03961-1 Mtg Brkt (x2)

FAS0086—5/16 FW (x2)  
FAS0098—5/16 LW (x2)  
FAS0165—5/16 X .625 LG (x2)

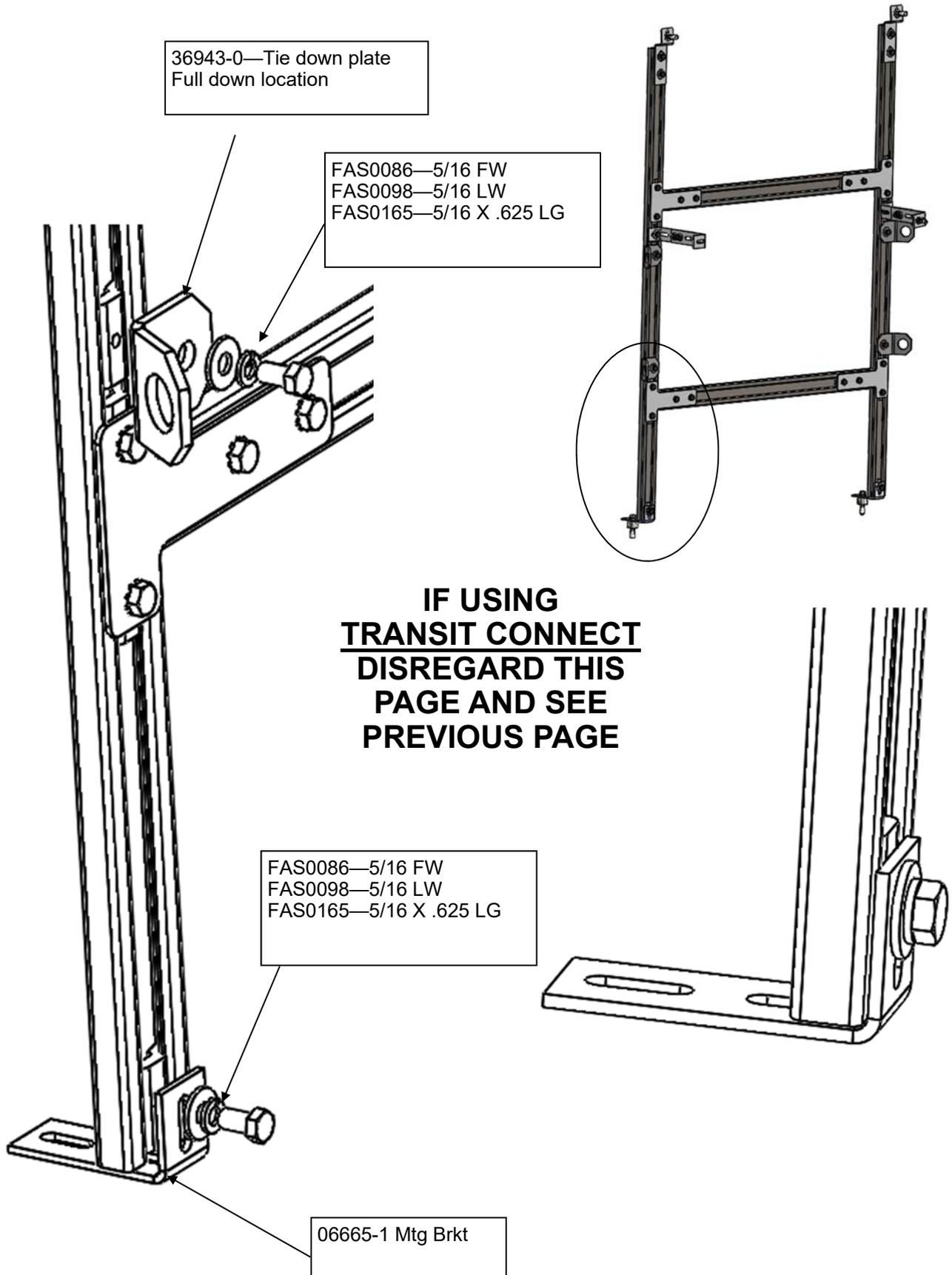
36943-0—Tie down plate



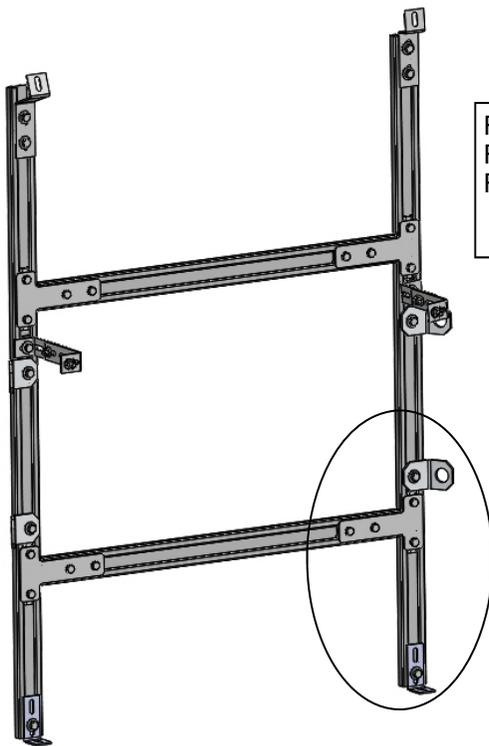
**STEP 2C INSTALLING FLOOR BRACKETS**



**STEP 2C INSTALLING FLOOR BRACKETS**

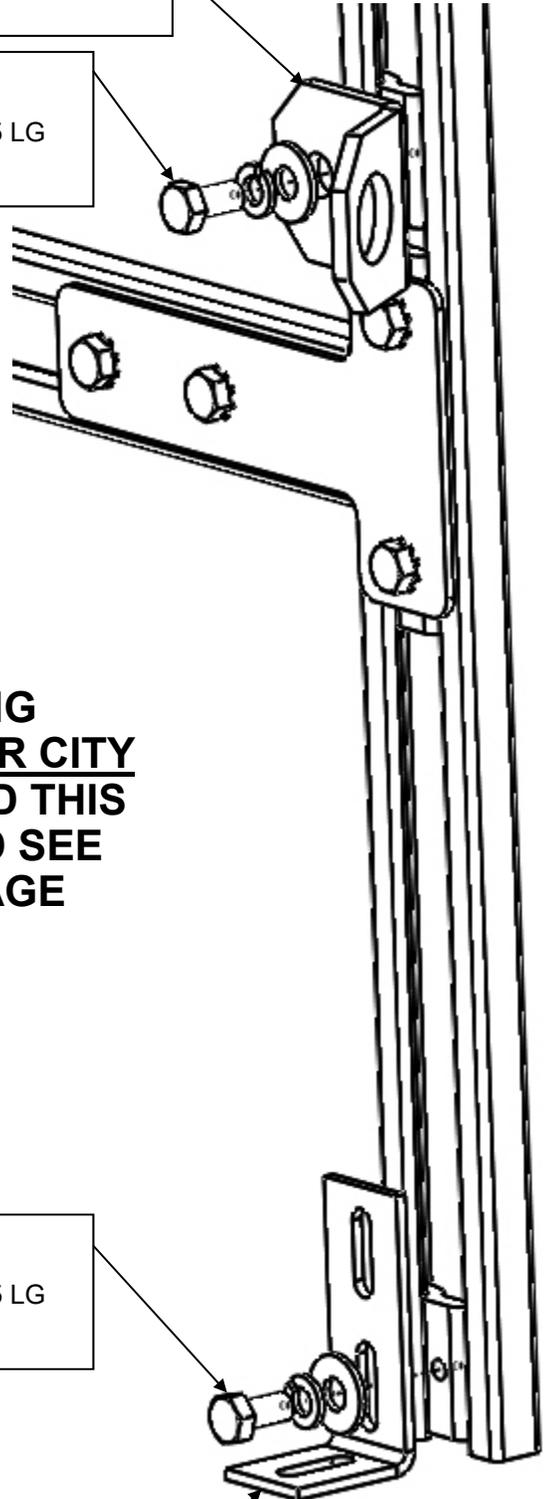


**STEP 2B INSTALLING WALL BRACKETS**

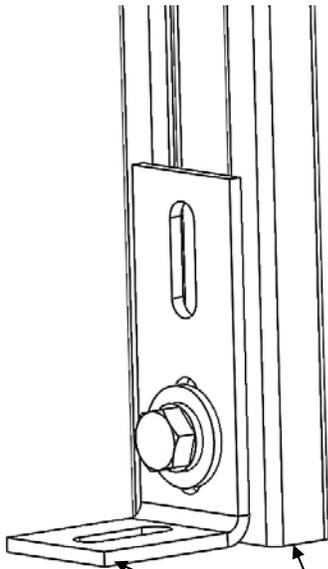


36943-0—Tie down plate  
Full down location

FAS0086—5/16 FW  
FAS0098—5/16 LW  
FAS0165—5/16 X .625 LG



**IF USING  
PROMASTER CITY  
DISREGARD THIS  
PAGE AND SEE  
NEXT PAGE**

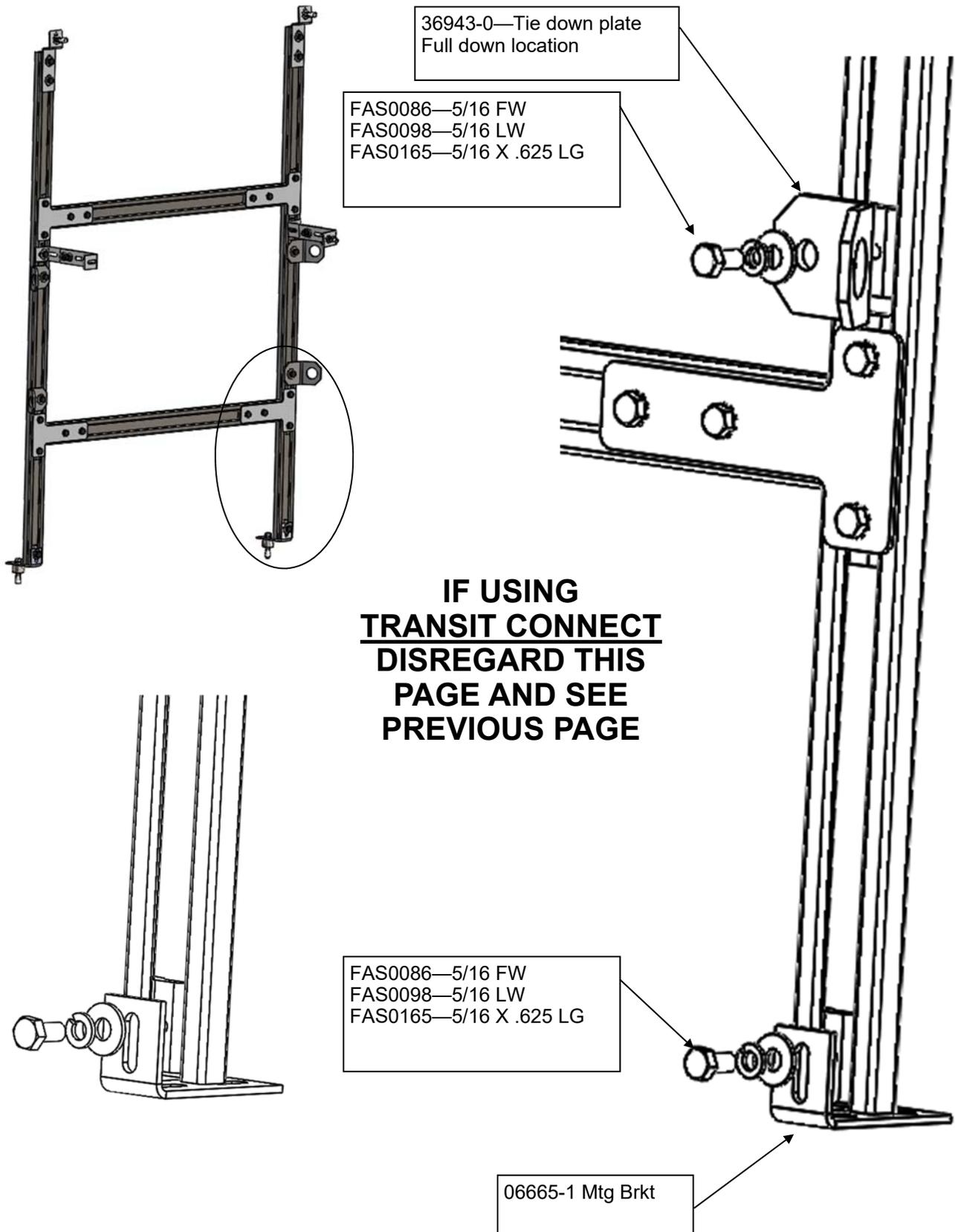


Flush with rail

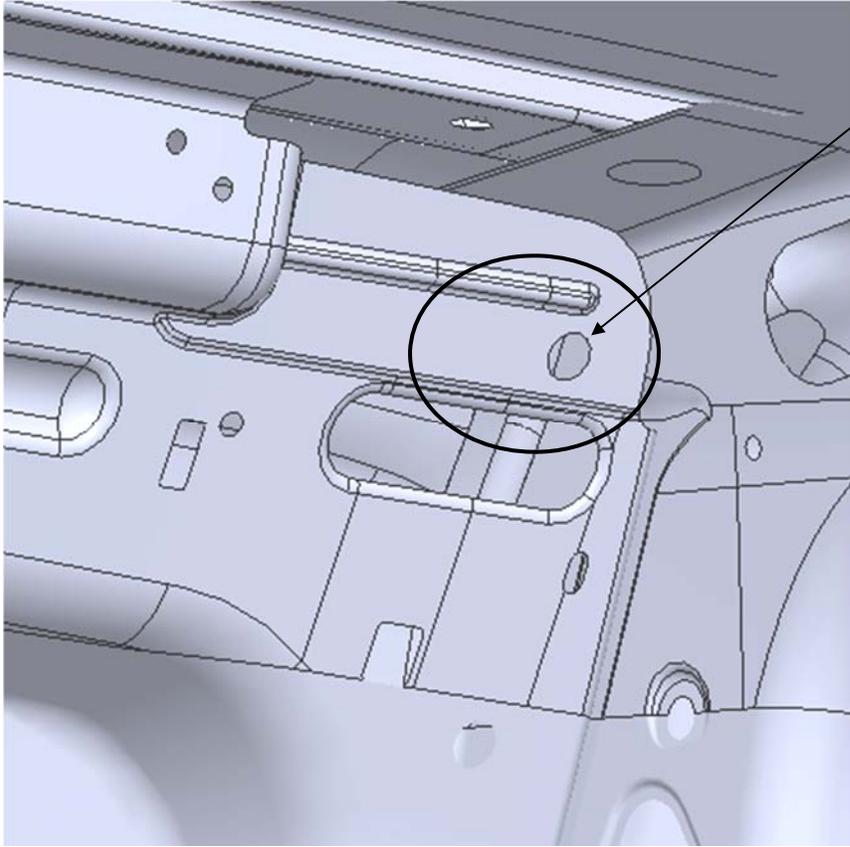
FAS0086—5/16 FW  
FAS0098—5/16 LW  
FAS0165—5/16 X .625 LG

06665-1 Mtg Brkt

**STEP 2B INSTALLING WALL BRACKETS**

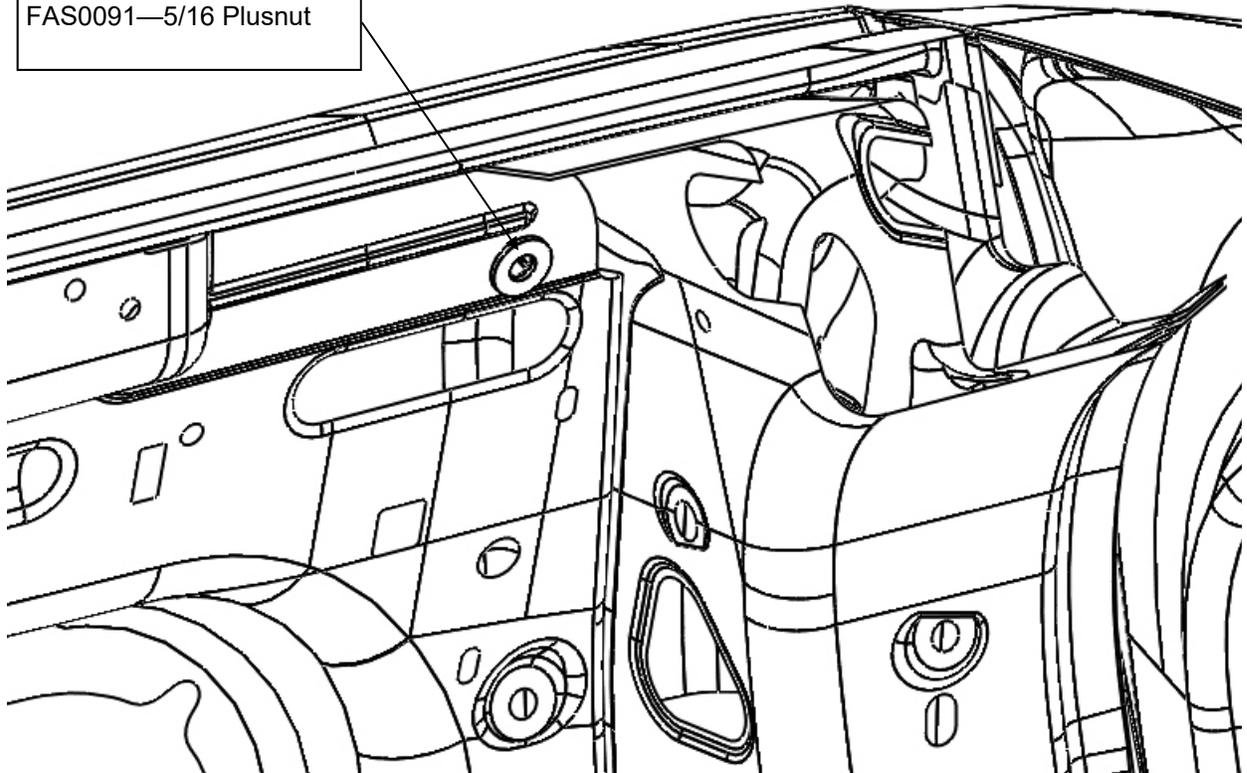


**STEP 3A LOCATE AND SET PLUSNUT, CURB SIDE UPPER REAR.**

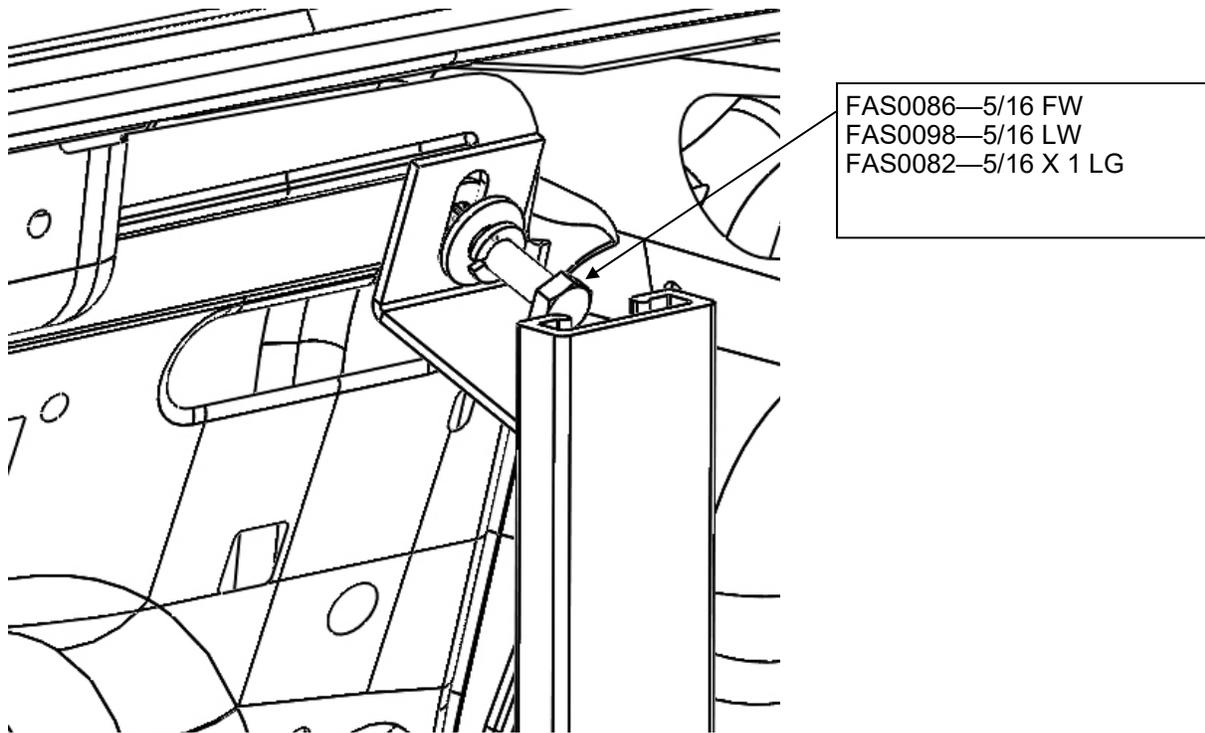


Locate pre-existing hole near the rear-ceiling of the vehicle.  
OPEN HOLE TO 1/2 DIA USING YOUR DRILL WITH DRILL STOP

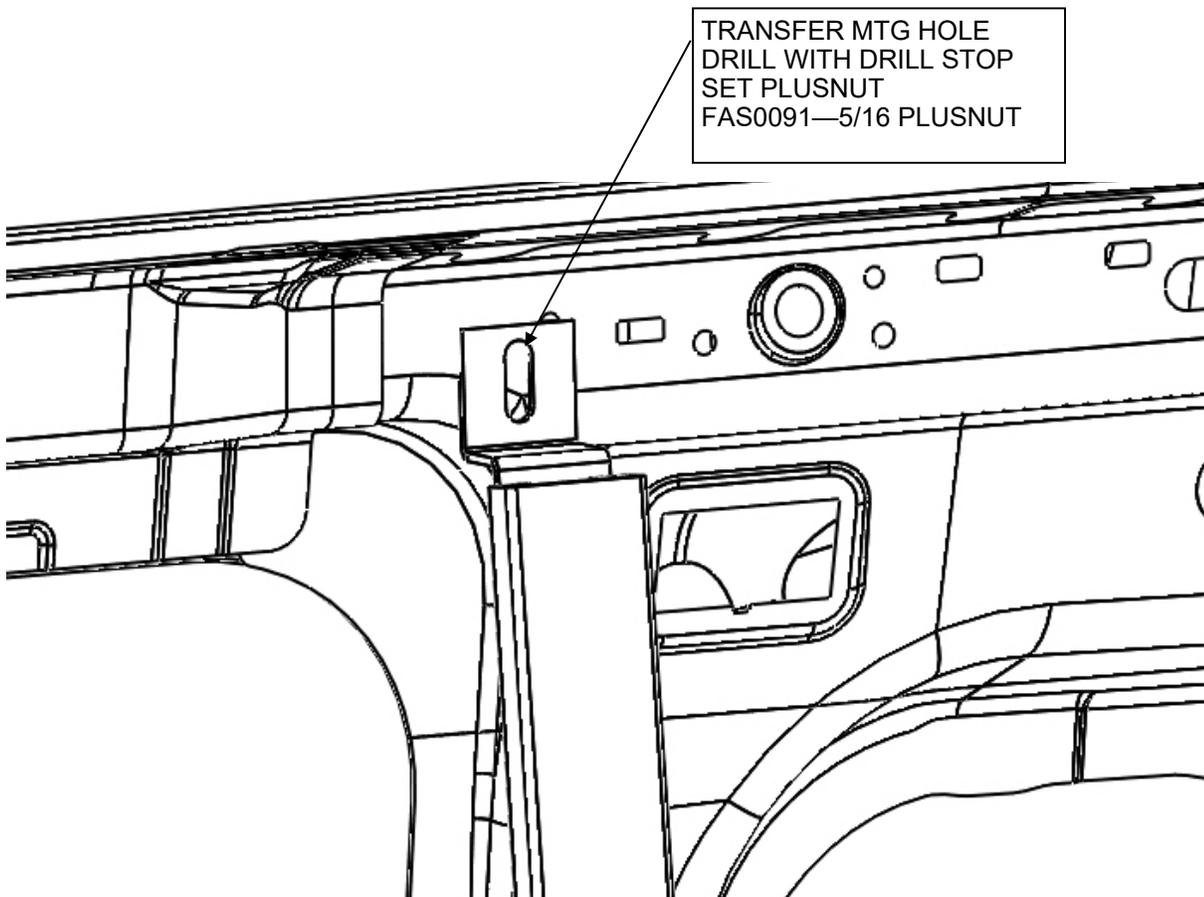
SET PLUSNUT  
FAS0091—5/16 Plusnut



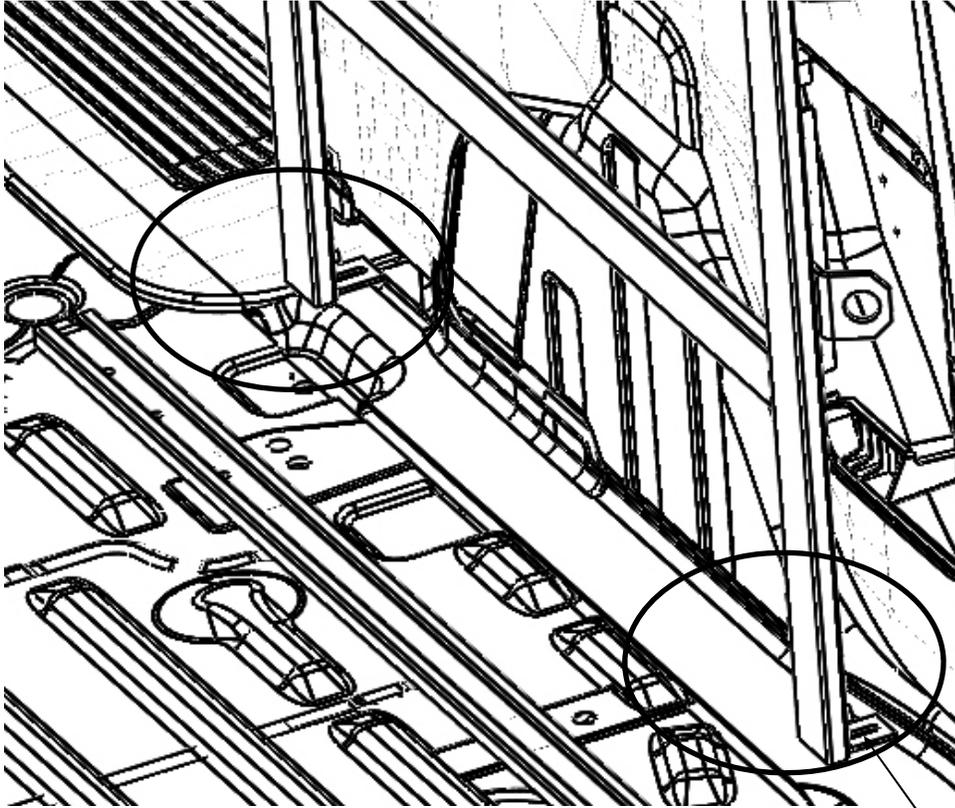
**STEP 3B FASTEN TOP MOUNTING BRACKET TO LOCATE OTHER PLUSNUTS**



**STEP 3C MARK THE OTHER TOP MOUNTING BRACKET.**



**STEP 3C LOCATE FLOOR MOUNTING BRACKETS, TRANSFER HOLES**

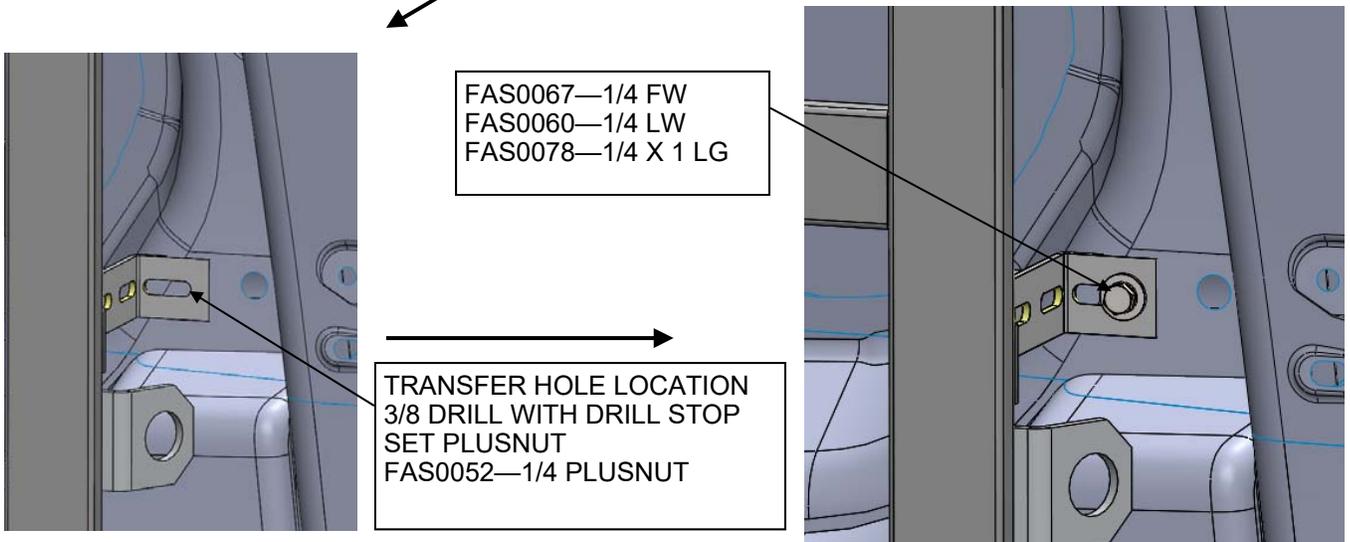
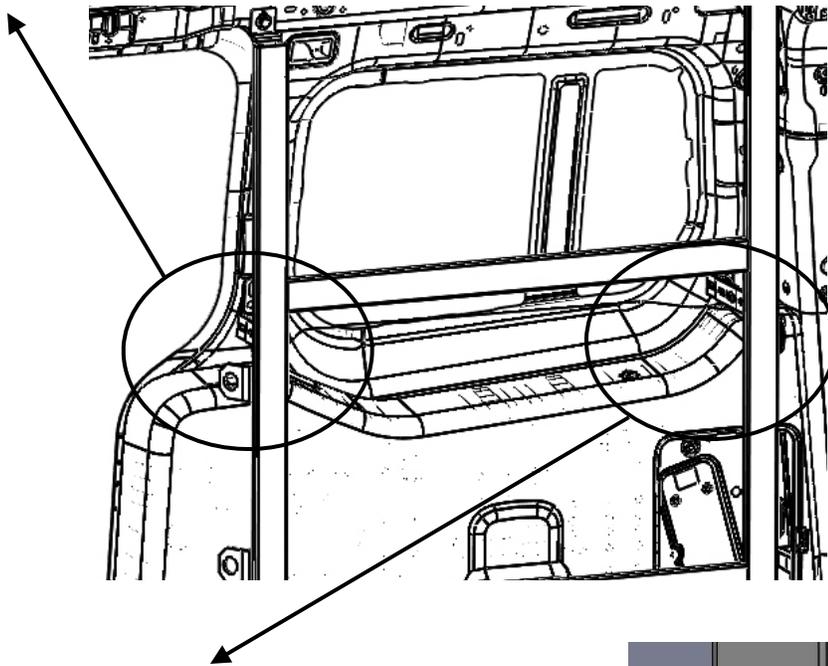
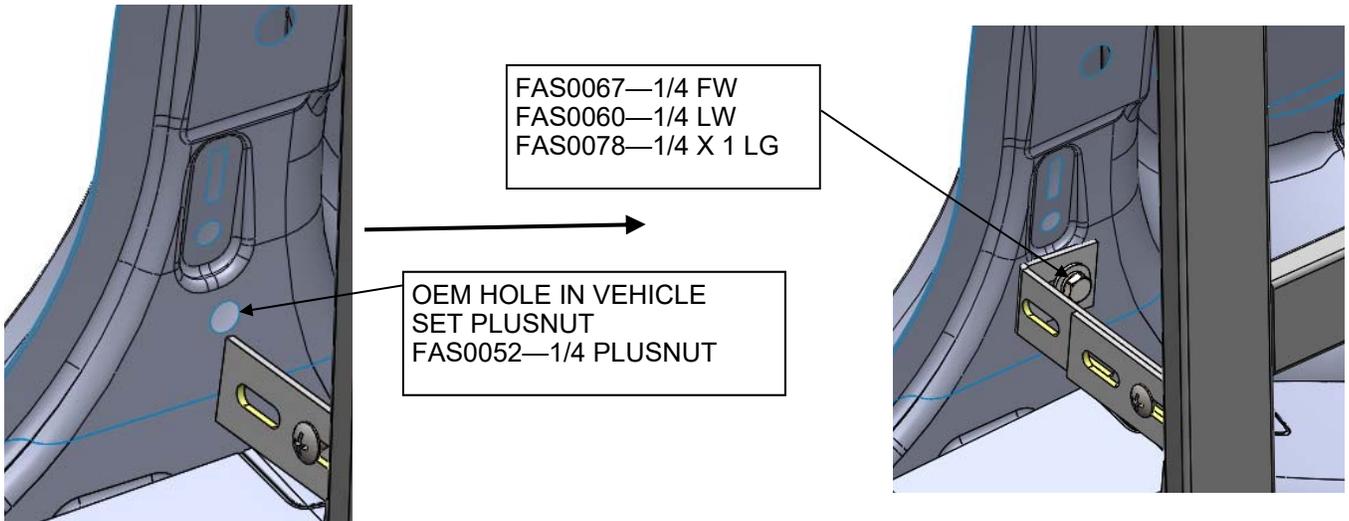


VIEW AFTER SETTING PLUSNUT.

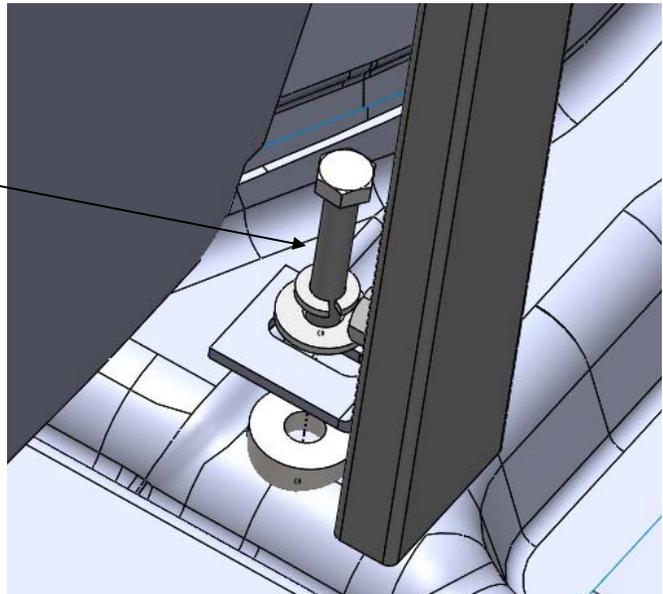
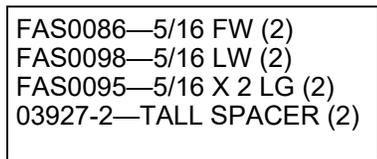
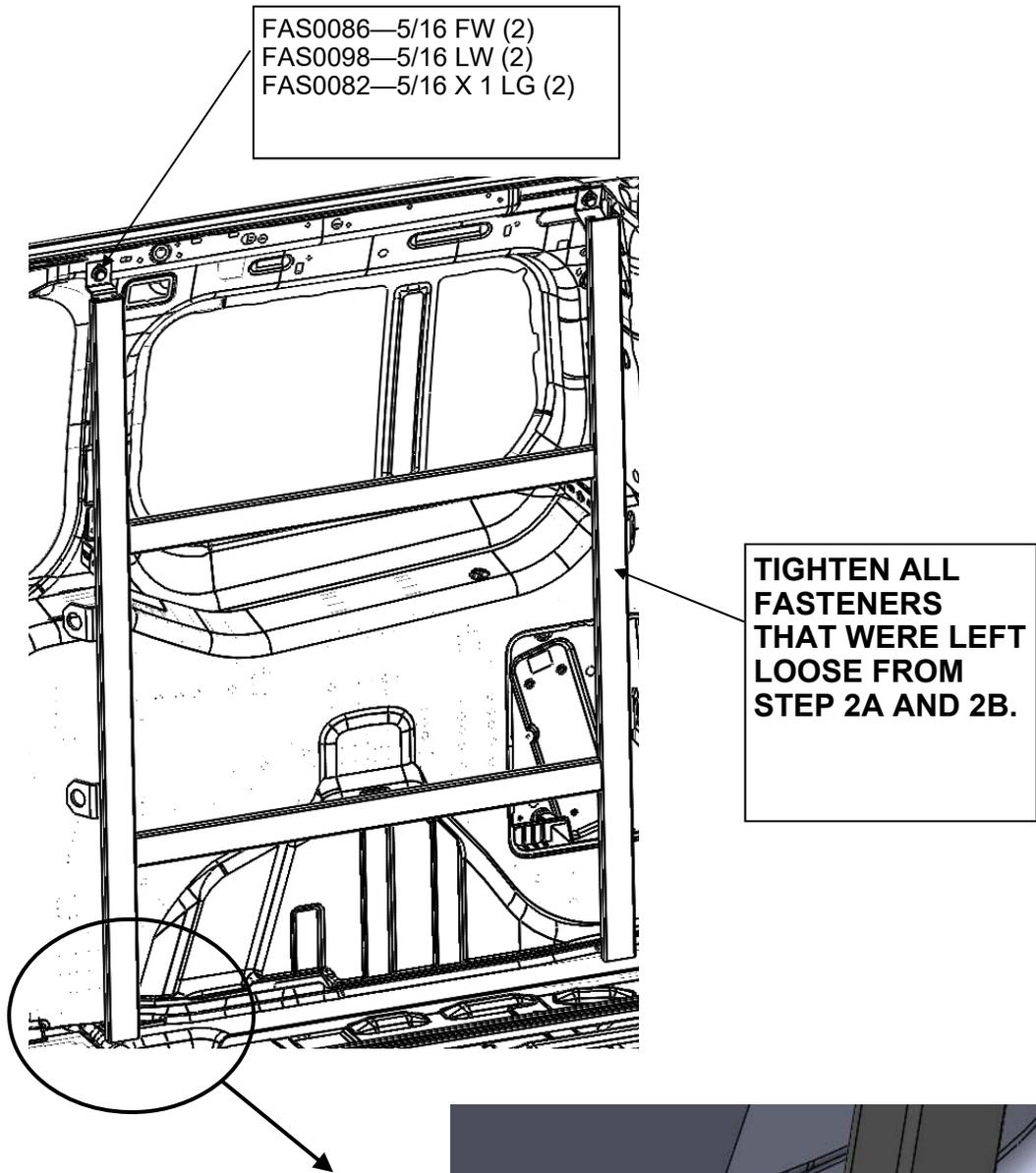
TRANSFER MTG HOLES  
USE CARPET HOLE SAW,  
1/2" DRILL WITH DRILL STOP  
SET PLUSNUT  
FAS0091—5/16 PLUSNUT (2)



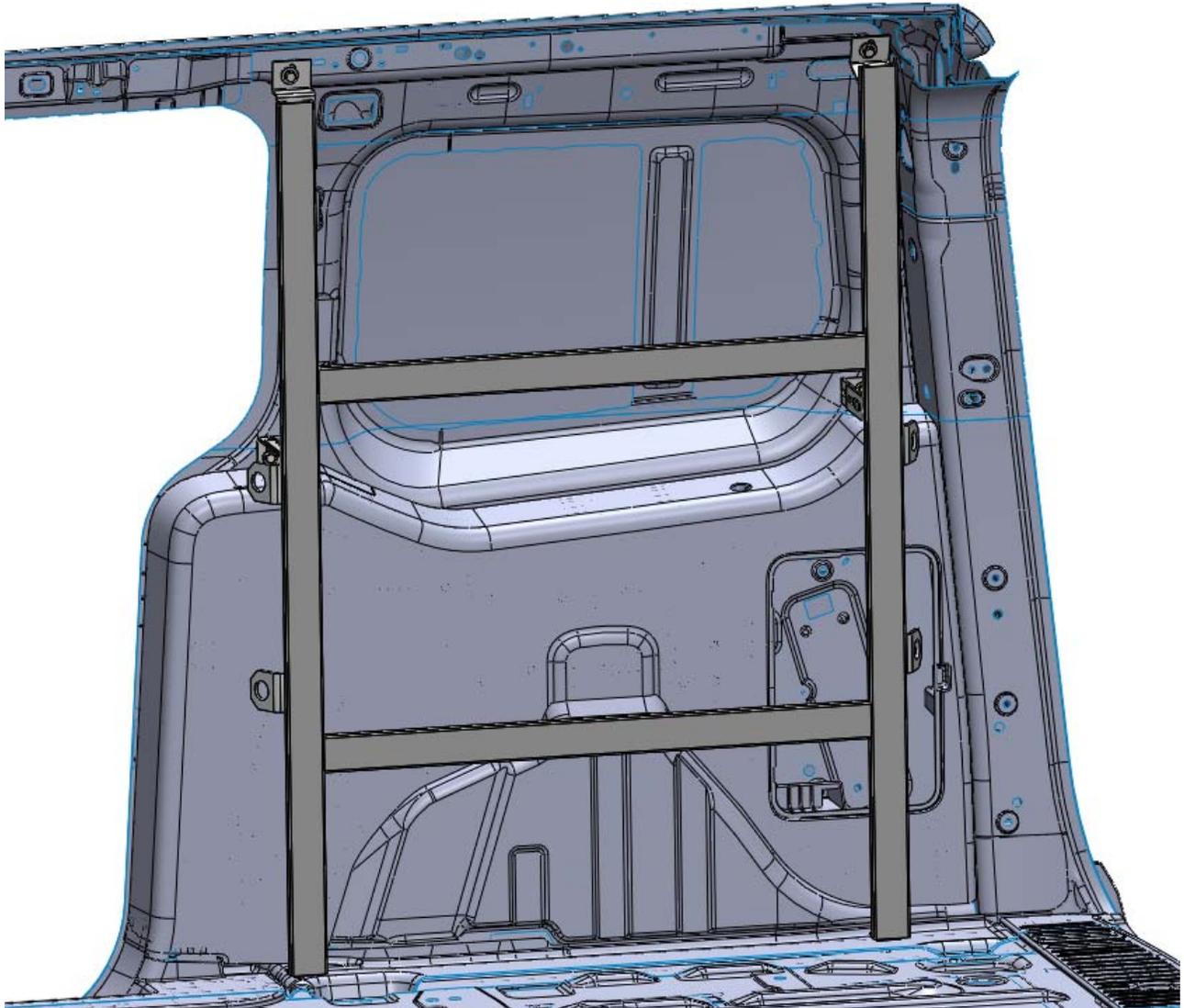
**STEP 3D LOCATE WALL MOUNTING BRACKETS**



**STEP 3E FASTEN SECURELY TO THE VEHICLE**



**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!**