



ADRIAN STEEL

Cargo Management Solutions for Commercial Vehicles

TRA-PM TRUSS ASS'Y. PROMASTER

PRODUCT WEIGHT

13 lbs.

WIDTH x LENGTH x HEIGHT

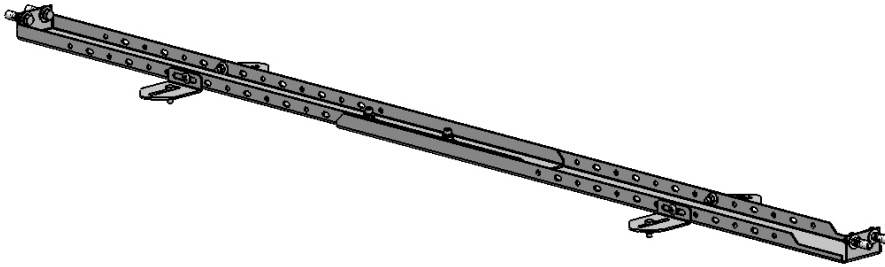
**7.0 x 69.0 x 1.5
AJUSTABLE**

COLOR

GRAY

CATALOG NUMBER

TRA-PM



PRODUCT FEATURES

TRUSS ASSMBLY is designed to be used for Cross car shelving in a Transit Low and Medium Roof, Dodge Promaster, Nissan Standard and High Roof, Sprinter Standard Roof. Length and height are adjustable.

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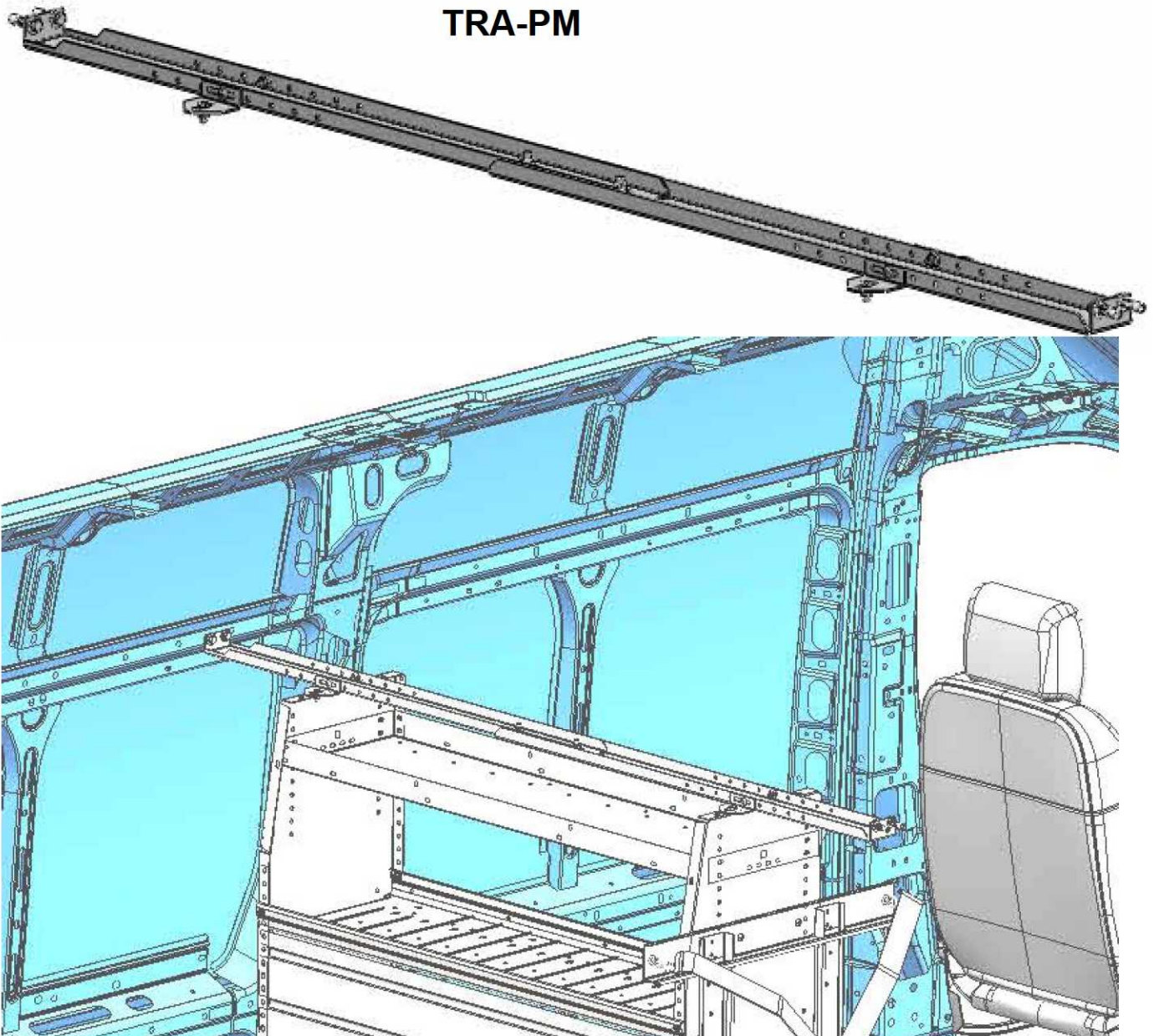
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Introduction / Comments:

This Truss Assembly was designed to secure a cross car HAD4459 shelving unit mounted on a rail with a rubber mat on the floor in a 2014 Chrysler Promaster

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 Product gives you long service life.

TRA-PM



- 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 IN-
STALLATION HOLES!**



- 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.

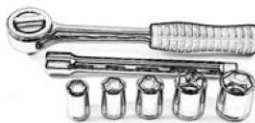
THE BASIC TOOLS NEEDED FOR MOST INSTALLATIONS



DRILL



DRILL BIT WITH
STOP



RATCHET, SOCKETS
AND/OR WRENCHES



SCREWDRIVERS



MEASURING TAPE

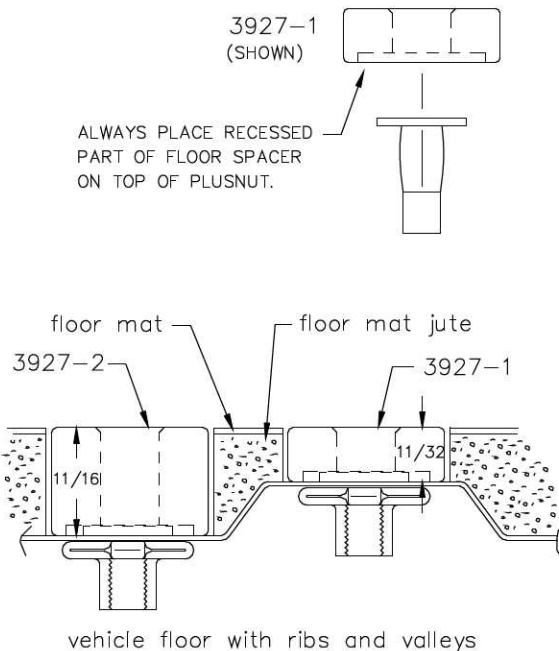
ADDITIONAL TOOLS MAY BE NEEDED FOR THIS INSTALLATION AND THEY WILL BE IDENTIFIED IN THE STEPS THAT FOLLOW.

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 plus nut, drill the mounting holes in the vehicle sheet metal to prepare for installing the plus nuts.

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 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

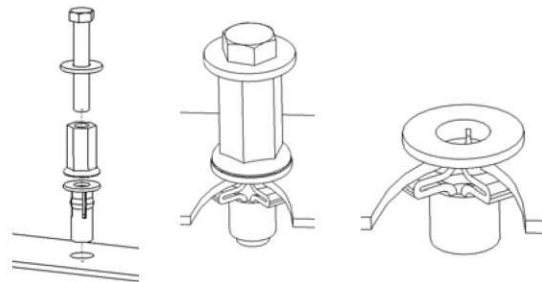
22200-0 PLUSNUT TOOL

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

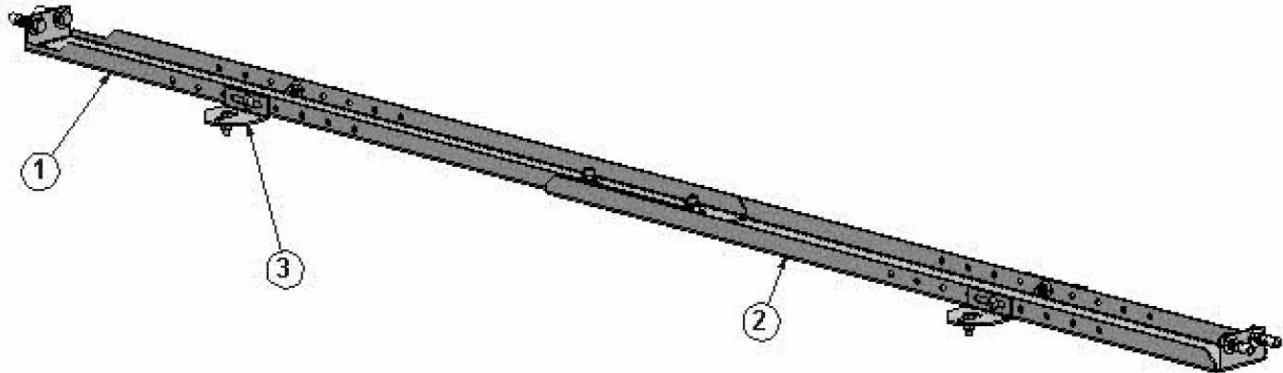


Place barrel of the plusnut body in sheet metal thru hole until flange is flush with sheet metal.

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).

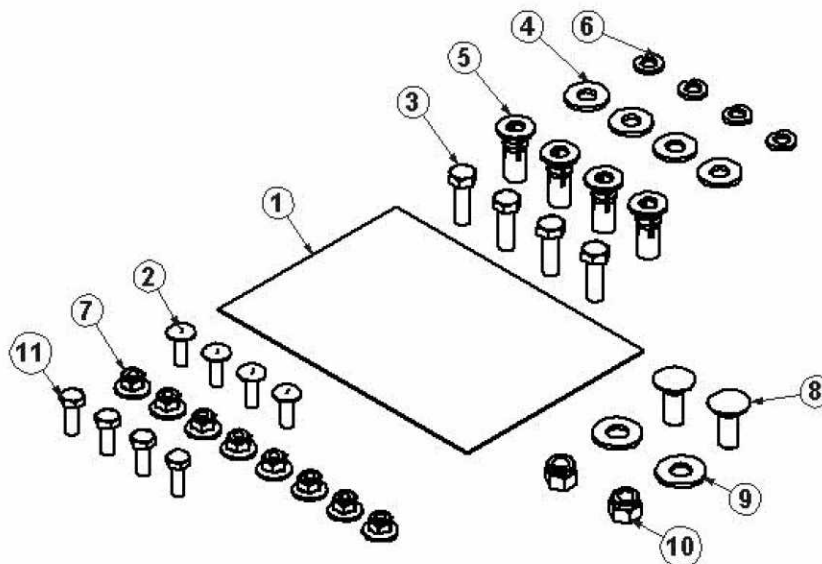
TRA-PM TRUSS ASSEMBLY, 2014 PROMASTER

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	45660-G	TRUSS CHANNEL, INNER	1
2	45661-G	TRUSS CHANNEL, OUTER	1
3	42620-G	TRUSS CLIP, TRA-FSV	4
4	BAG42465.	FAS BAG, TRA-FSV	1

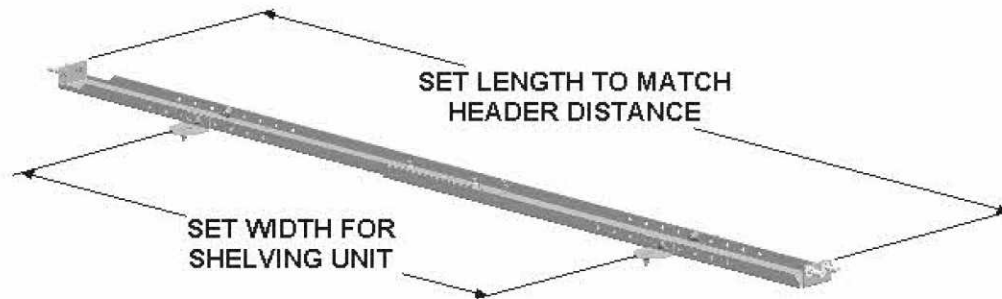


FASTENER BAG BAG42465

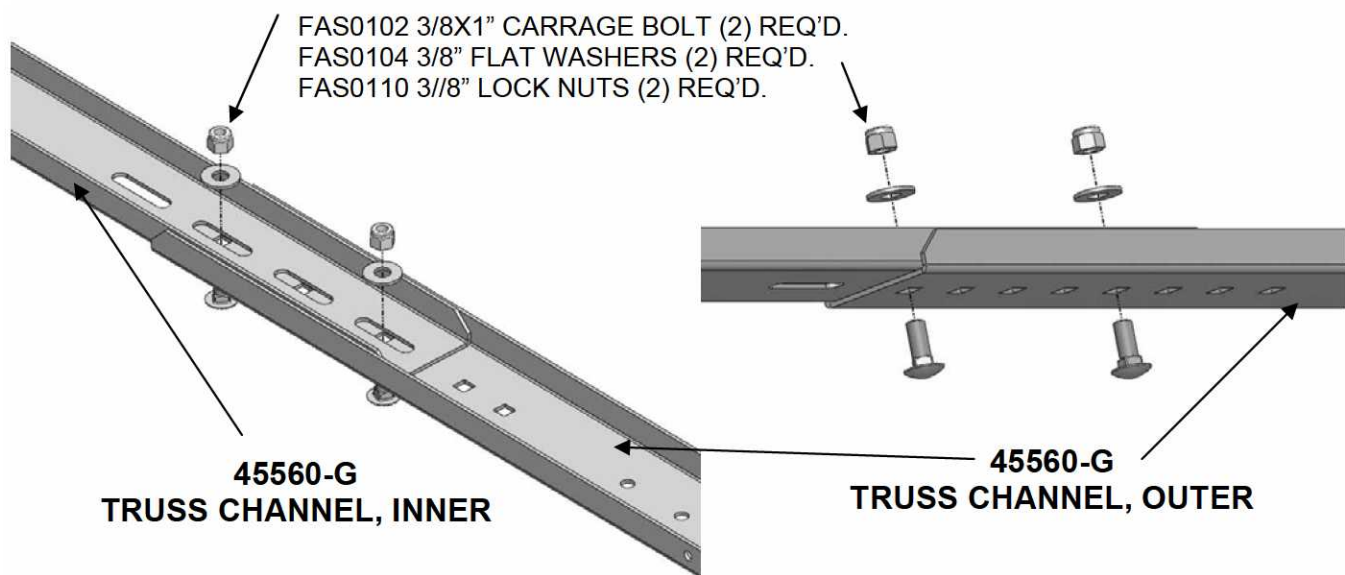
ITEM NO.	PART NUMBER	DESCRIPTION	BAG42465/QTY.
1	BAG0507-A	5" x 7" 3MIL AUTOBAG	1
2	FAS0062	Screw, Truss Hd. Ph, 1/4-20x0.75	4
3	FAS0082	Screw, Hex Hd, 5/16-18x1.00 ZN, YELLOW G8	4
4	FAS0086	Washer, Flat, 5/16, ZN	4
5	FAS0091	Plusnut, 5/16	4
6	FAS0098	Washer, Lock, Split, 5/16, Zinc Plate	4
7	FAS0055	Nut, Hex Flange, Nylock 1/4-20	8
8	FAS0102	Bolt, Carriage, 3/8-16x1, HZ G5	2
9	FAS0104	Washer, Flat, 3/8, NI ZN	2
10	FAS0110	Nut, Hex Nylok 3/8-16 SS W	2
11	FAS0063	Screw, Hex Hd, 1/4-20x0.75 Zn Plate, Grade 5	4



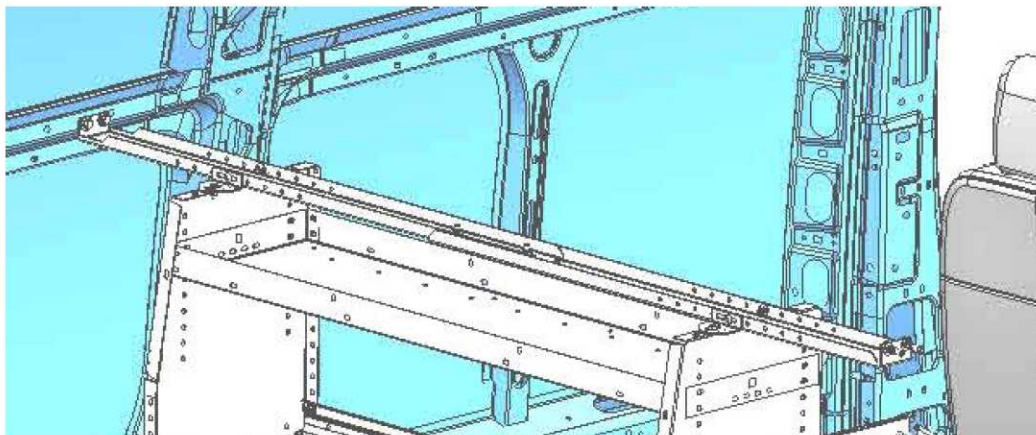
STEP 1 MEASURE VEHICLE AND PRE ASSEMBLE THE UNIT
THIS UNIT WAS DESIGNED TO FIT A HAD4459 SHELF UNIT USING A FLOOR RAIL AND RUBBER FLOOR MAT. TO USE WITHOUT YOU MAY NEED TO SHIM THIS UNIT UP.



DO NOT FULLY TIGHTEN



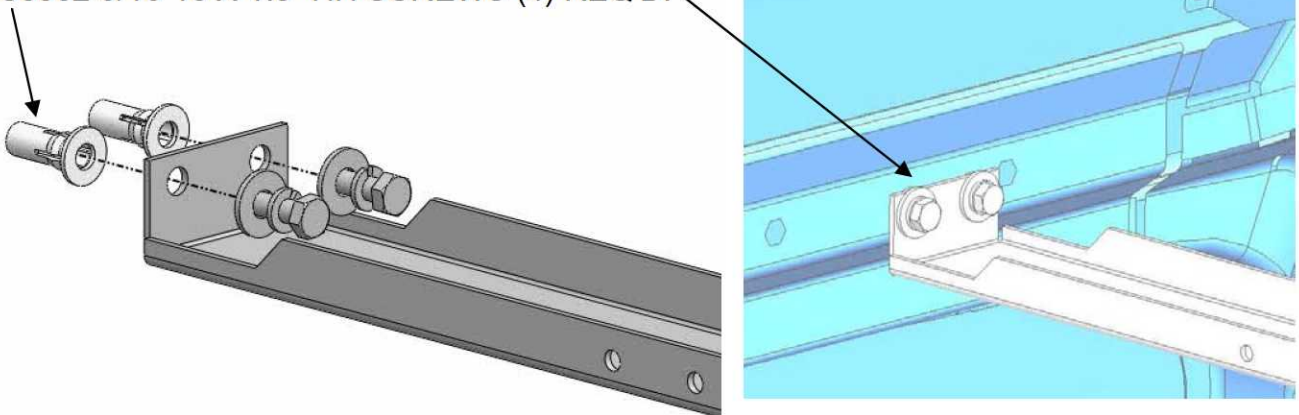
STEP 2 LOCATE A MARK AND DRILL FOR FAS0091 5/16 PLUSNUTS IN VAN.
PLACE ON SHELF AND ADJUST LENGTH TO FIT VAN. THIS UNIT WAS DESIGNED TO HAVE A RAIL AND A RUBBER MAT UNDER THE SHELF. IF THESE ARE NOT USED YOU MAY HAVE TO SHIM THE TRA-PM UP ON THE SHELF TO REACH THE PROPER MOUNTING AREA ON THE VAN.



STEP 2 CONTINUED

SET LENGTH TO VAN WALL, DETERMINE WHERE 42620 TRUSS CLIPS TO TRUSS CHANNELS WILL ATTACH TO HAD4459 SHELVING UNIT. MARK LOCATION OF FAS0091 5/16 PLUS NUTS ON VAN. DRILL AND SET AS SHOWN ON PAGE 3

FAS0091 5/16 PLUS NUTS (4) REQ'D.
FAS0086 5/16 FLAT WASHER (4) REQ'D.
FAS0098 5/16 SPLIT WASHERS (4) REQ'D.
FAS0082 5/16-18 X 1.0" HH SCREWS (4) REQ'D.



REPEAT ON PASS SIDE

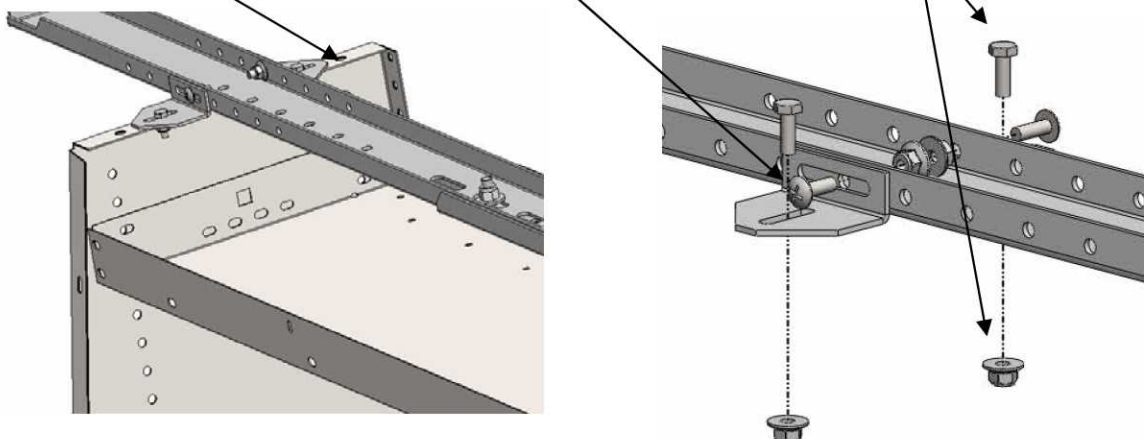
STEP 3 ATTACH TO HAD4459 SHELVING UNIT

ATTACH 42620 TRUSS CLIPS TO INNER AND OUT CHANNEL AND HAD4459 SHELVING UNIT

FAS0062 1/4-20X.75 TH SCREW (4) REQ'D.

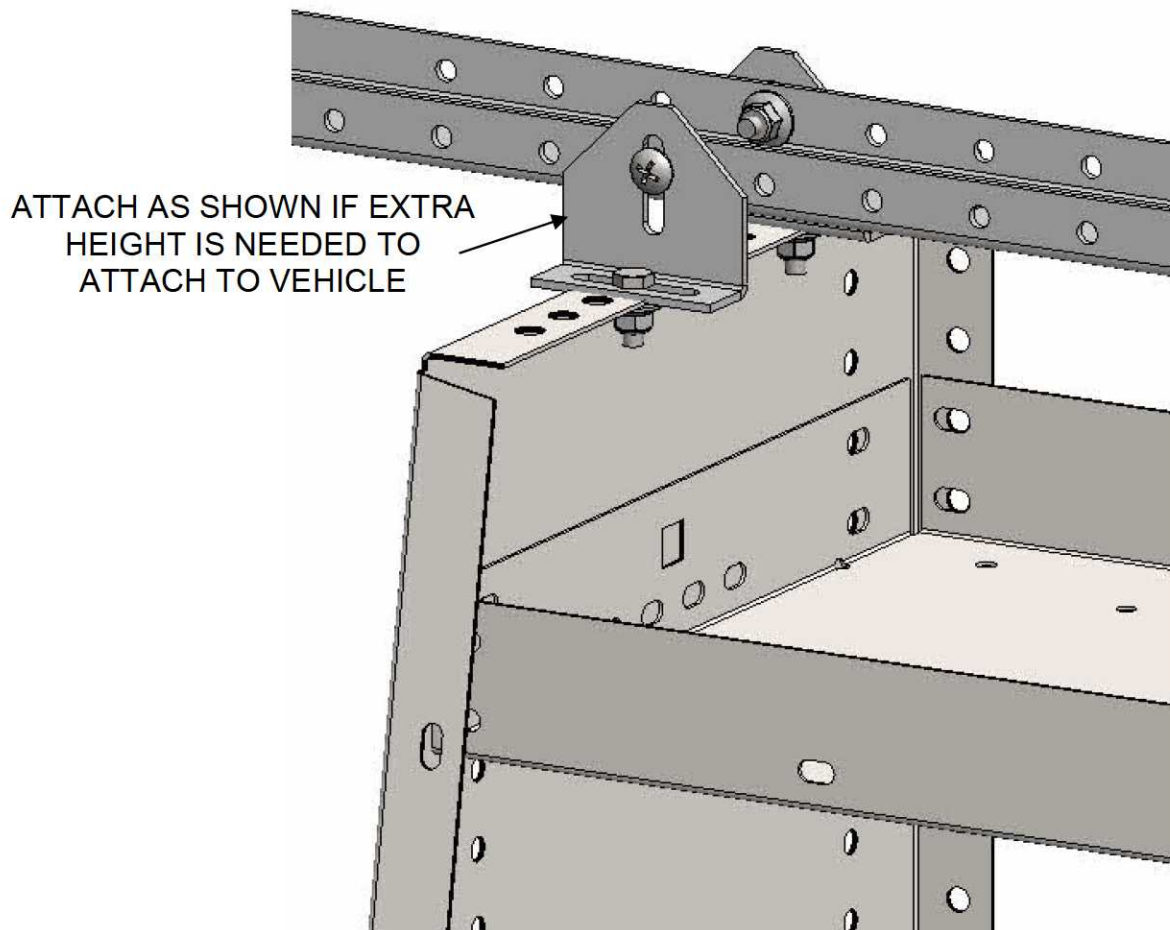
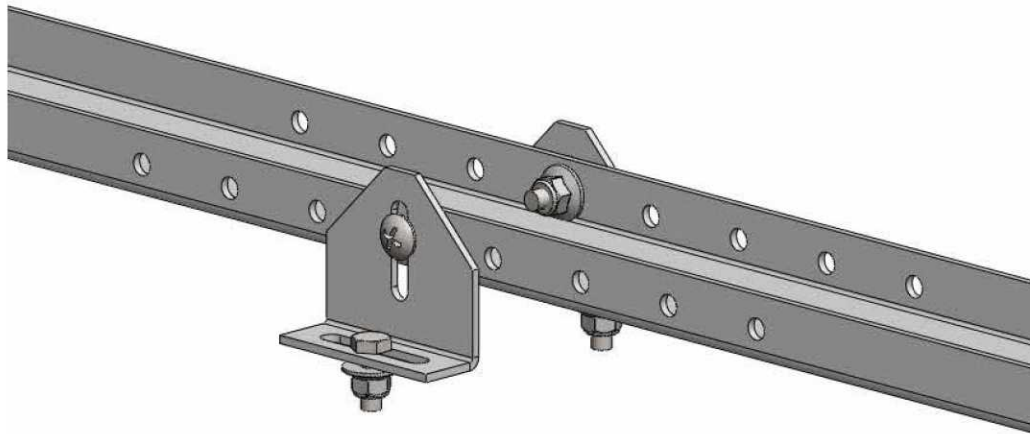
FAS0063 1/4-20 X.75 HH SCREWS (4) REQ'D.
FAS0055 1/4-20 FLANGE NUTS (8) REQ'D.

HAD4459 SHELF



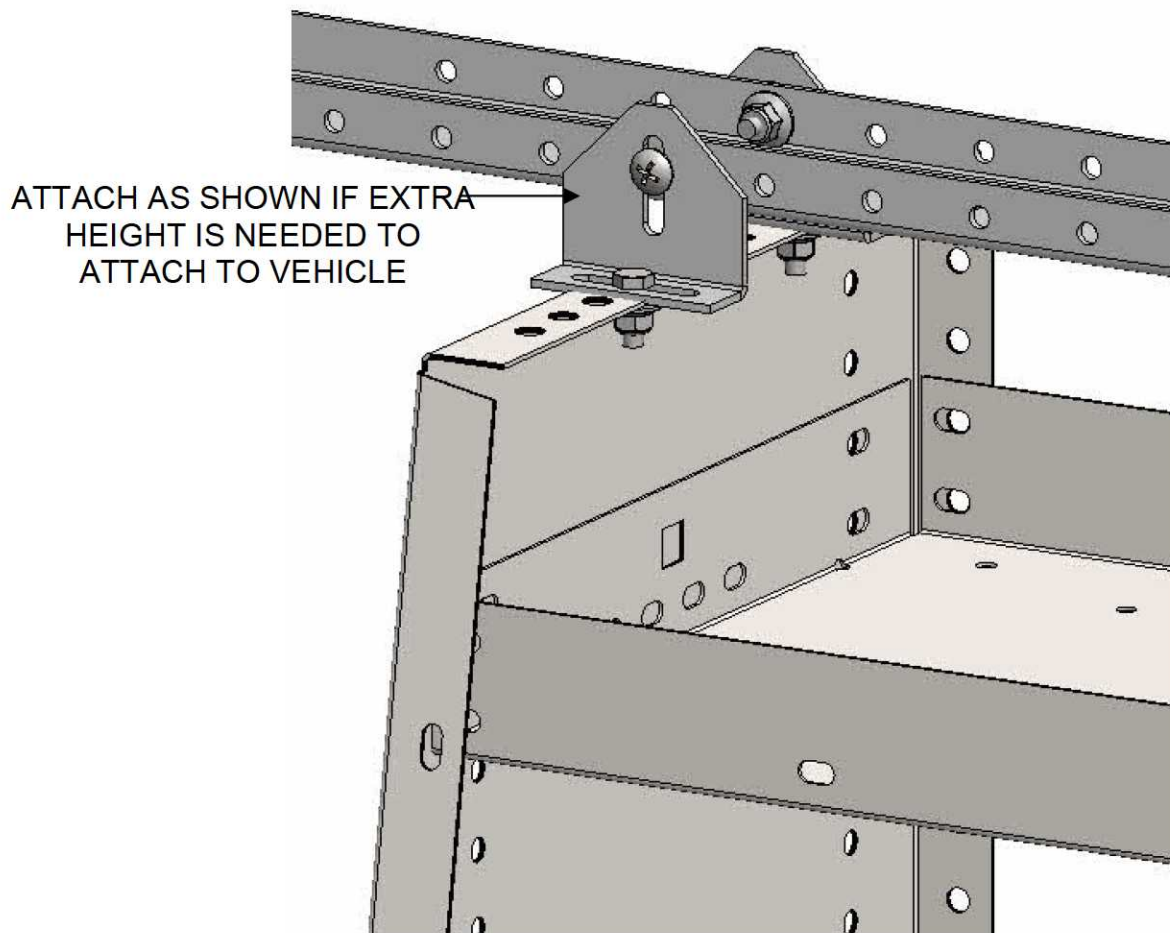
STEP 3 ATTACH TO HAD4459 SHELVEING UNIT REVERSING TRUSS CLIPS TO RAISE UNIT UP IF NEEDED

ATTACH 42620 TRUSS CLIPS TO INNER AND OUT CHANNEL
AND HAD4459 SHELVEING UNIT



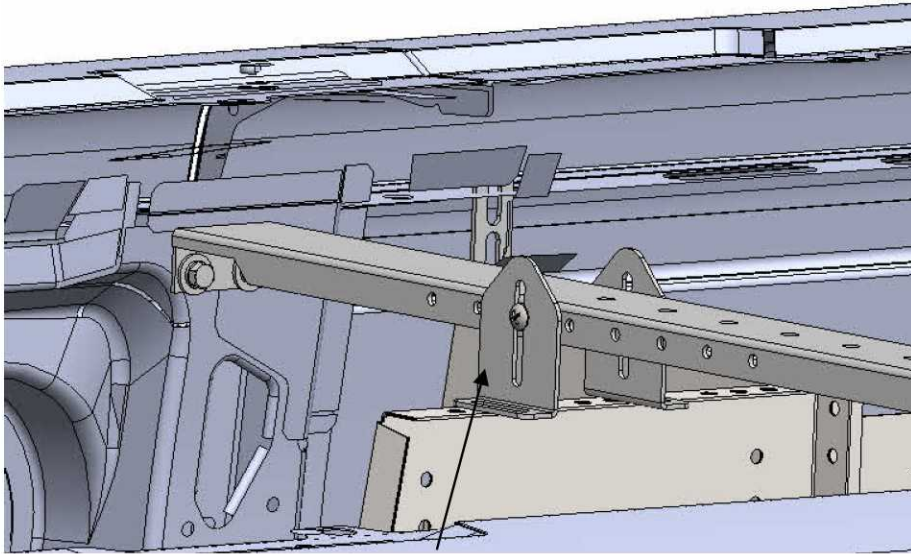
STEP 3 ATTACH TO HAD4459 SHELVING UNIT REVERSING TRUSS CLIPS TO RAISE UNIT UP IF NEEDED

ATTACH 42620 TRUSS CLIPS TO INNER AND OUT CHANNEL
AND HAD4459 SHELVING UNIT



STEP 3 NCR INTERIOR AT C PILLAR ATTACH TO HAD4459 SHELVING UNIT REVERSING TRUSS CLIPS TO RAISE UNIT UP IF NEEDED

ATTACH 42620 TRUSS CLIPS TO INNER AND OUT CHANNEL
AND HAD4459 SHELVING UNIT



ATTACH AS SHOWN IF EXTRA
HEIGHT IS NEEDED TO
ATTACH TO VEHICLE



**STEP 3 NCR INTERIOR AT C PILLAR ATTACH TO HAD4459
SHELVING UNIT REVERSING TRUSS CLIPS TO RAISE UNIT UP IF
NEEDED**

ATTACH 42620 TRUSS CLIPS TO INNER AND OUT CHANNEL
AND HAD4459 SHELVING UNIT

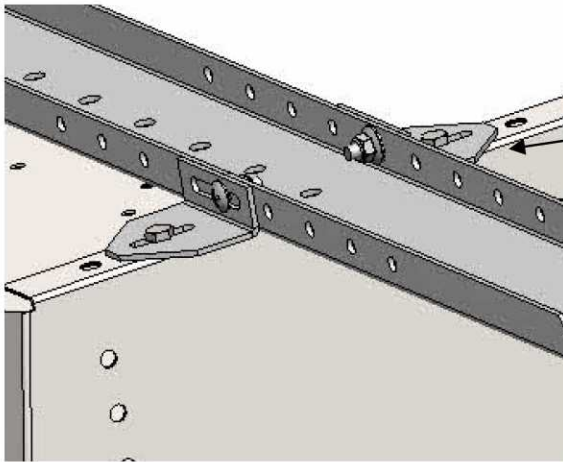
DRIVERS SIDE SHOWN



PASSENGER SIDE SHOWN

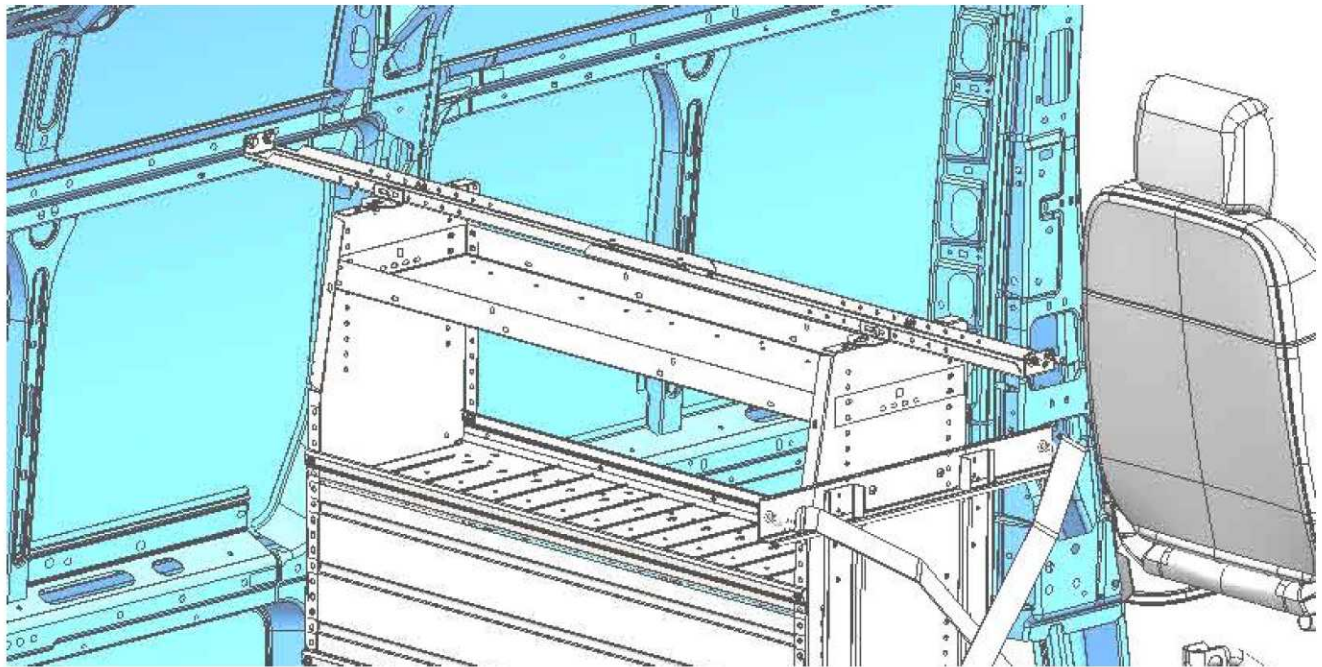


STEP 3 ATTACH TO HAD4459 SHELVING UNIT CONTINUED

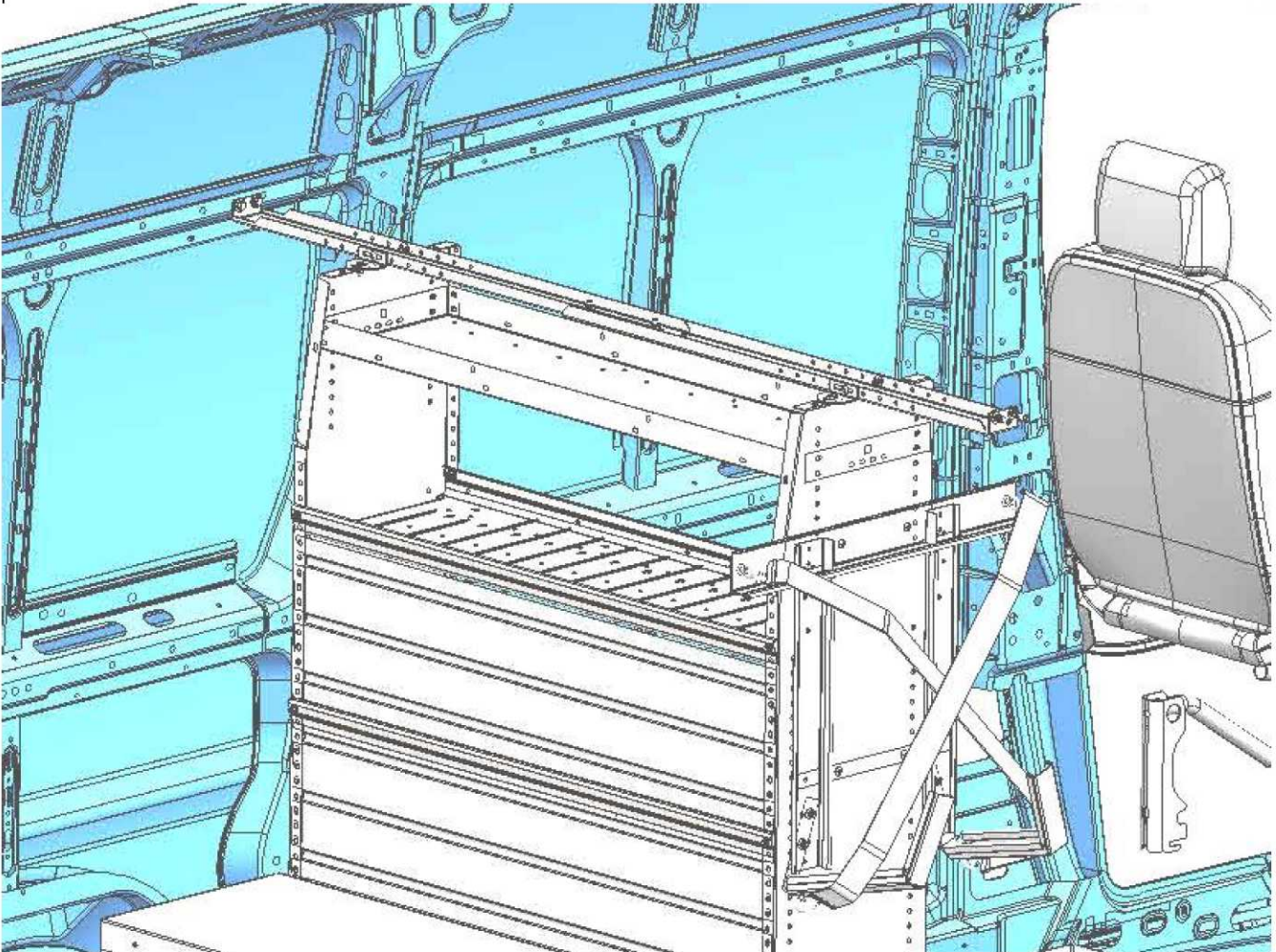


PASSENGER SIDE TO SHELF

GO BACK AND FULL TIGHTEN ALL FASTENERS



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!**