



LADDER HOLDER, TRANSIT STD ROOF ONLY



PRODUCT WEIGHT
22 LBS

WIDTH x DEPTH x HEIGHT
8" X 60 X 66

CAPACITY
20 LB LADDER

COLOR
GRAY

CATALOG NUMBER
LHFTS

PRODUCT FEATURES

Ladder holder, specifically designed for the 130 and 148 wheel base, standard roof Transit. With or without the OEM wall Liner kit.

Holds a 5 ft or a 6 foot standard ladder securely in place

SEE PAGE 2 FOR APPLICATION NOTES AND ACCESSORIES, OTHER PRODUCTS THAT WORK WITH THIS UNIT.

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CATALOG NUMBER LHFTS

PRODUCT APPLICATION

This product is designed to be installed using ad rail mounting in full size vans.

ACCESSORIES THAT WILL WORK WITH THIS PRODUCT

<i>CATALOG NUMBER</i>	<i>DESCRIPTION</i>
WKC1FDTS	WING KIT, STD ROOF TRANSIT
S1M2C2FSV	S1-M2-C2 PARTITION PANEL KIT
S1M1C1FSV	S1-M1-C1 PARTITION PANEL KIT

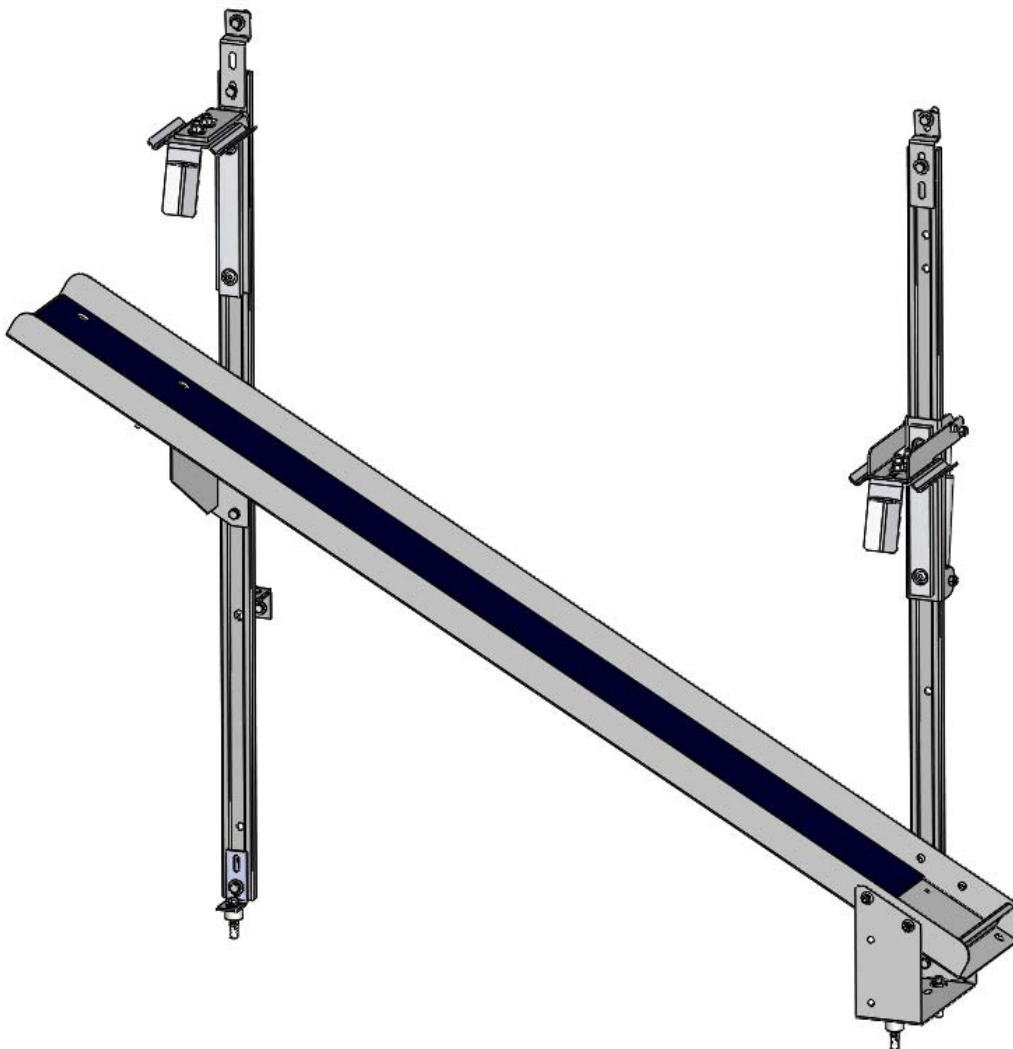
SPECIAL APPLICATION NOTES

Introduction / Comments:

This Ladder holder is designed to fit in your Standard roof Transit, 130 WB and the 148 WB, Curb side mounting only. This ladder holder will hold your 5 foot or 6 foot standard ladder securely in place

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.



**LHFTS
LADDER HOLDER
TRANSIT STD ROOF**

- 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



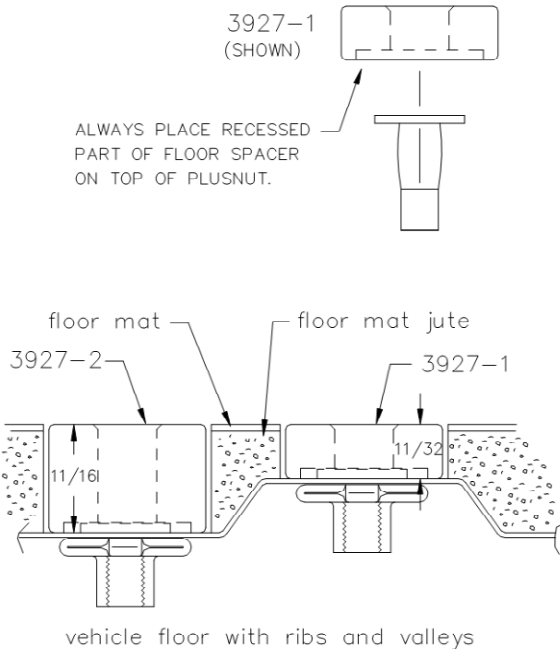
SCREWDRIVERS



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.

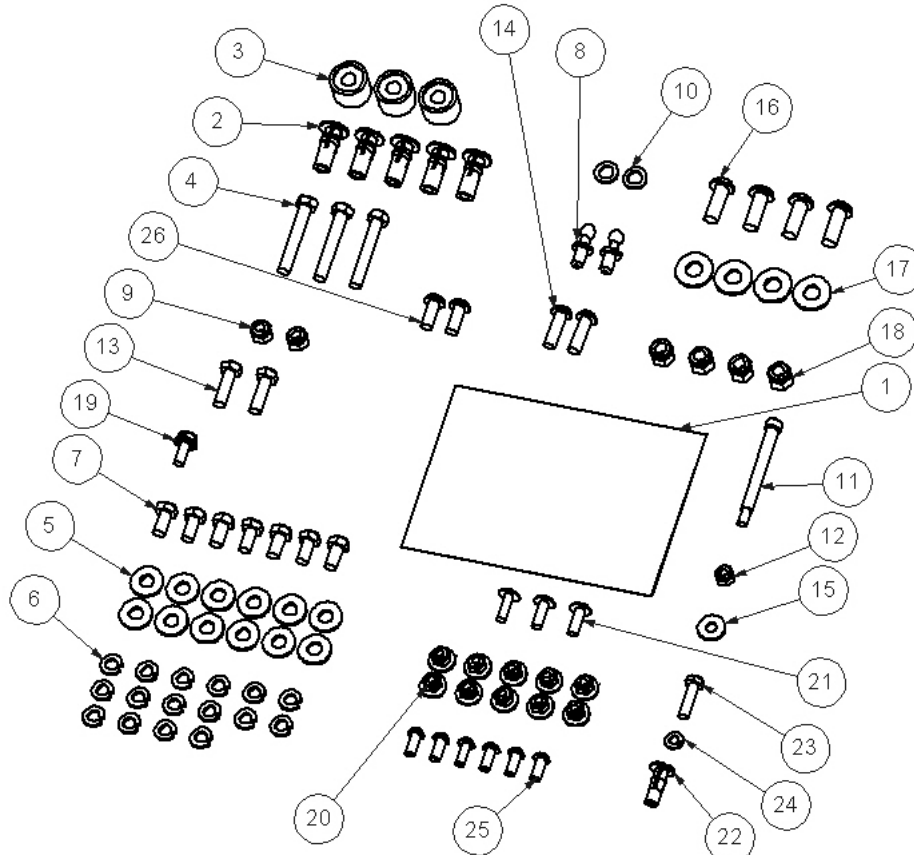
1/4-20UNC Plusnut (FAS0052) Use 3/8" dia. drill w/stop
 FAS0080 SCREW, HXHD, 1/4-20UNCx2.00", G8
 FAS0067 WASHER, FLAT, 1/4"ID
 22200-0 PLUSNUT TOOL

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).

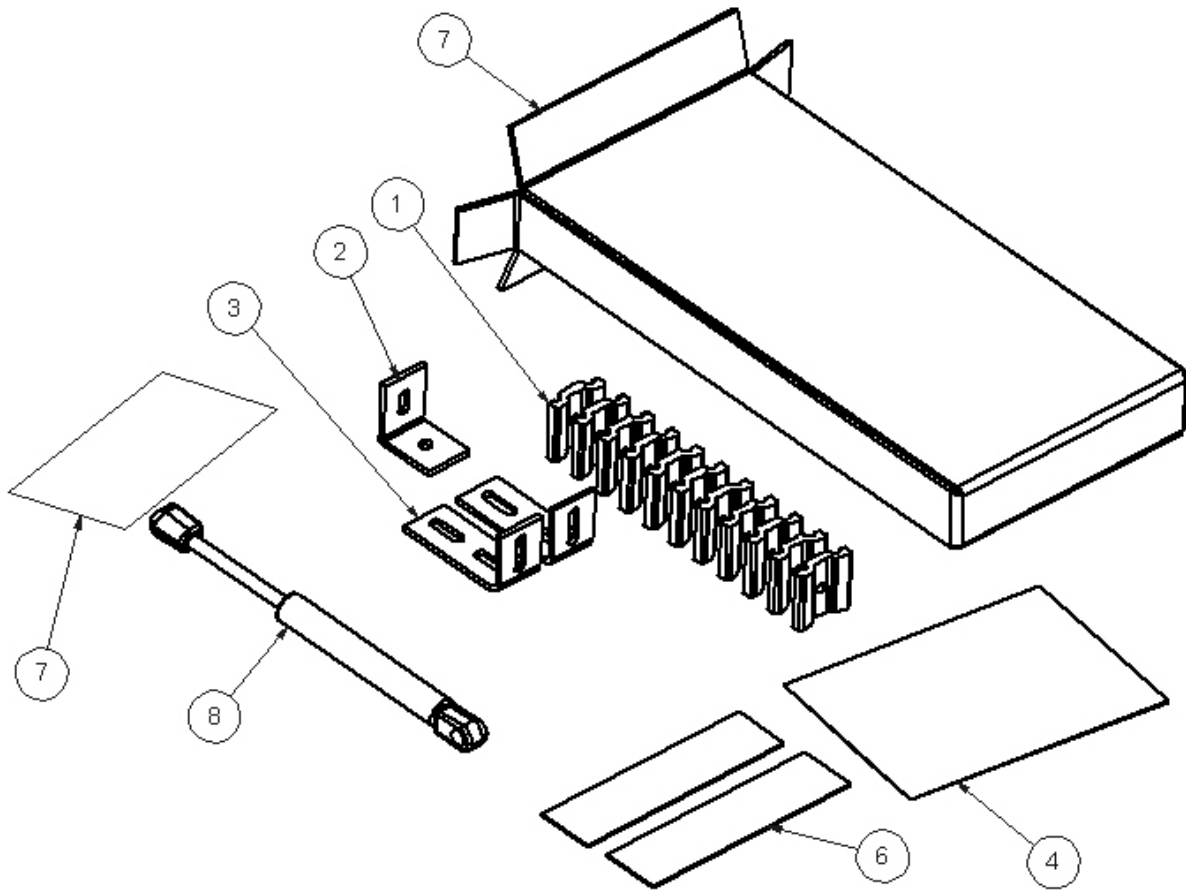
Assembly and Installation Fastener Identification Sheet (BAG49097)

ITEM NO.	PART NUMBER	DESCRIPTION	BAG49097 QTY.
1	BAG0507-A	5" x 7" 3MIL AUTOBAG	1
2	FAS0091	Plusnut, 5/16	5
3	03927-2	Tall Floor Spacer	3
4	FAS0095	Screw, Hex Hd, 5/16-18x2.00, Grade 8	3
5	FAS0086	WASHER, FLAT USS 5/16 ZP	12
6	FAS0098	Washer, Lock, Split, 5/16, Zinc Plate	16
7	FAS0165	Screw, Hex Hd, 5/16-18x.625	7
8	30015-0	THREADED BALL STUD	2
9	FAS0090	Nut, Nylon Insert Lock, 5/16-18, Zi	2
10	10103-0	5/16 Nylon Washer	2
11	FAS0161	Shoulder Bolt,	1
12	FAS0058	Nut, Nylon Insert Lock, 1/4-20	1
13	FAS0082	Screw, Hex Hd, 5/16-18x1.00 ZN, YELLOW G8	2
14	FAS0813	Screw, BHCS, 5/16-18X1.00, SS	2
15	FAS0067	Washer, Flat, 1/4	1
16	FAS0820	SCREW, BHCS 3/8-16X1.0 SS	4
17	FAS0104	Washer, Flat, 3/8, NI ZN	4
18	FAS0110	Nut, Hex Nylk 3/8-16 SS W	4
19	FAS0018	SCREW, HH SFLNG 1/4-20X.62 ZP	1
20	FAS0055	Nut, Hex Flange, Nylck 1/4-20	10
21	FAS0062	Screw, Truss Hd. Ph, 1/4-20x0.75	3
22	FAS0052	Plusnut, 1/4	1
23	FAS0078	Screw, Hex Hd, 1/4-20x1.00 Zn Plate, Grade 8	1
24	FAS0060	Washer, Lock, Split, 1/4	1
25	FAS0037	SCREW, BHCS 1/4-20X.625 ZP	6
26	FAS0668	Screw, Button Hd Hex Soc, 5/16-18X.75, SS	2

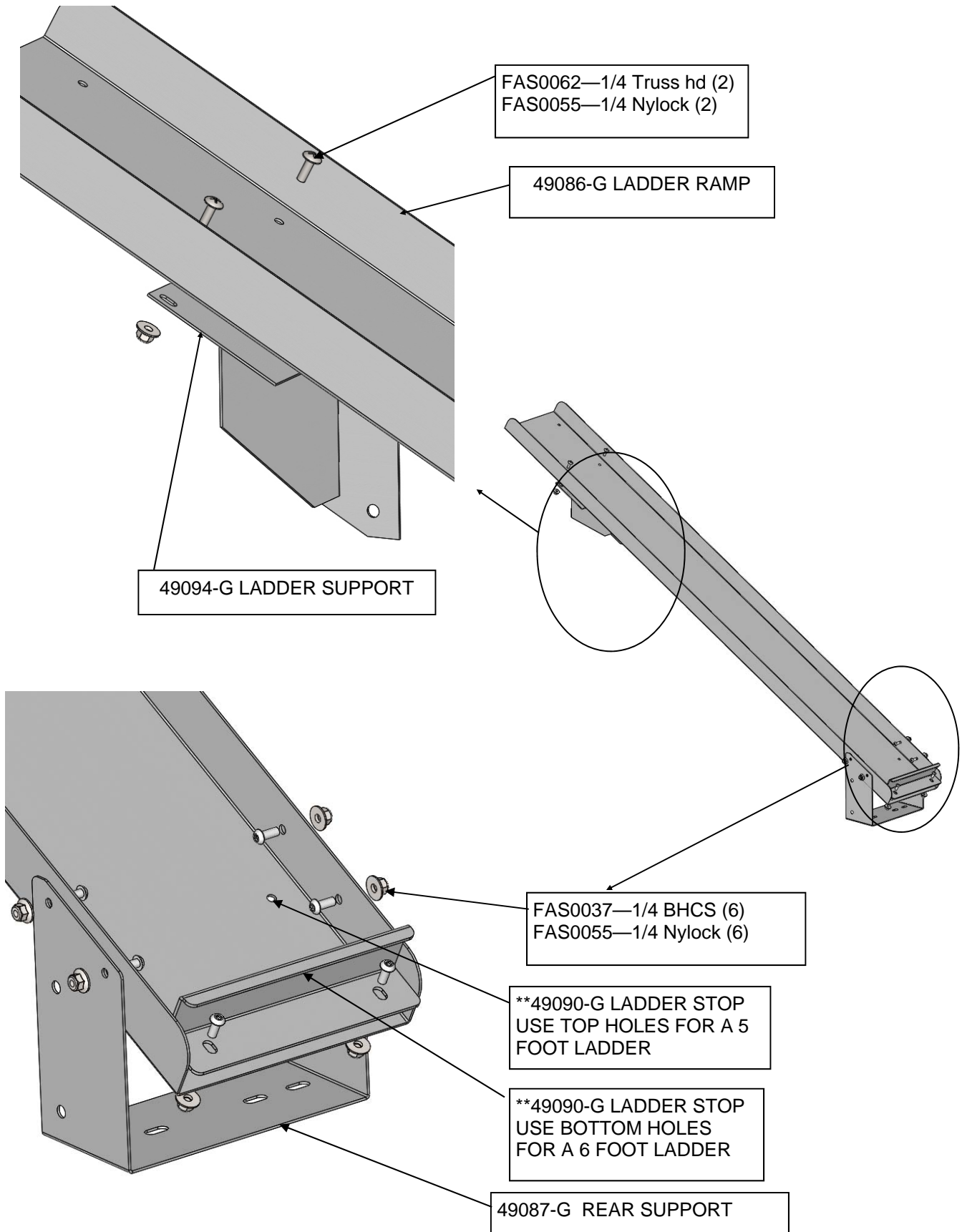


Assembly and Installation
Fastener Identification Sheet
(HDW49098)

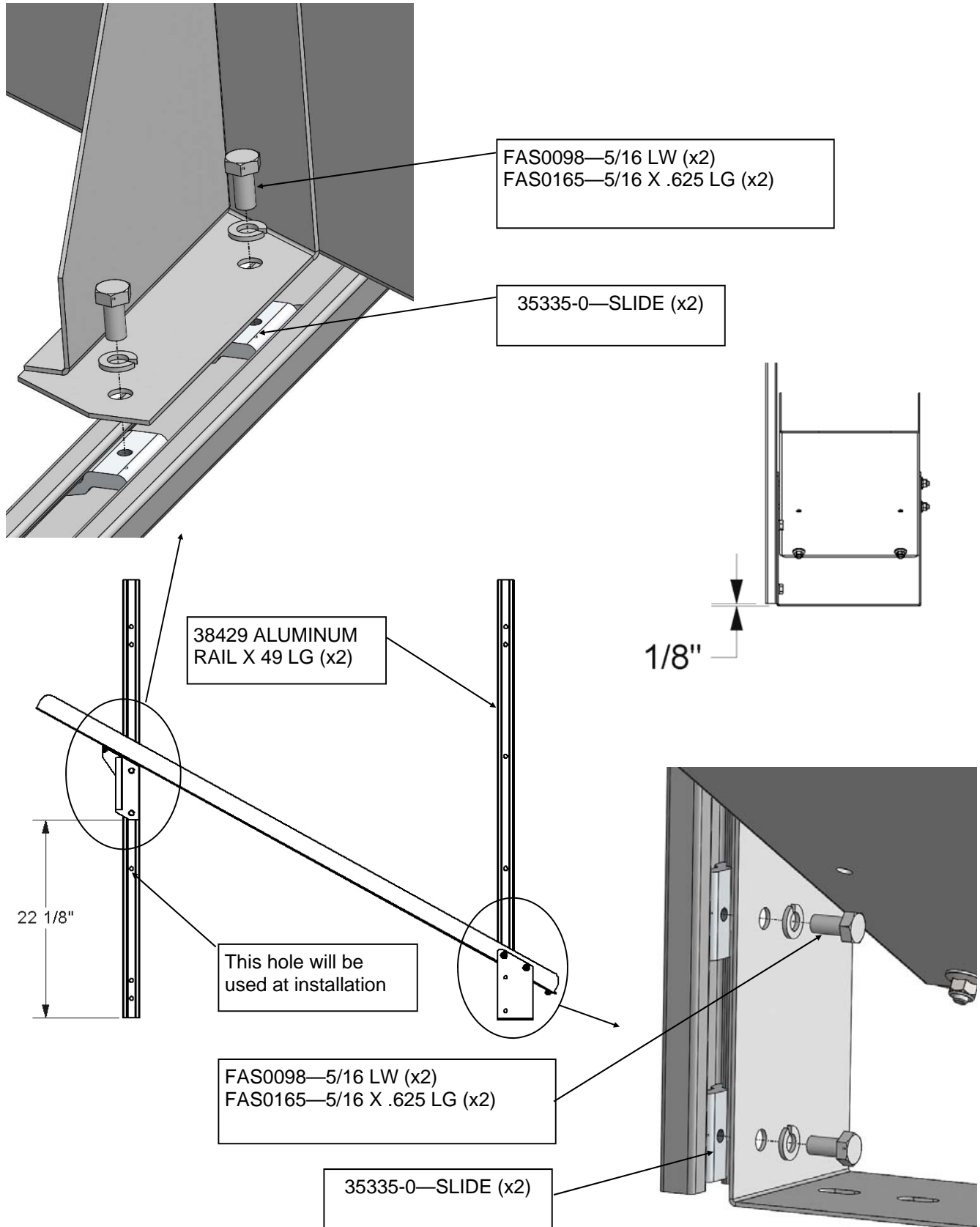
ITEM NO.	PART NUMBER	DESCRIPTION	HDW49098/QTY.
1	35335-0	SLIDE	11
2	MB118	MOUNT ANGLE/GALV	1
3	06665-1	MB116 MOUNT BRACKET	2
4	BAG49097	FASTENER BAG, LADDER HOLDER	1
5	49278	ASM / INS INSTRUCTIONS, LHFTSA1	1
6	37272-0	Tape, 2 Side Adhesive	2
7	CRT06987-A	SMALL CARTON	1
8	32488-0	SHOCK, 10.2" 50#	1



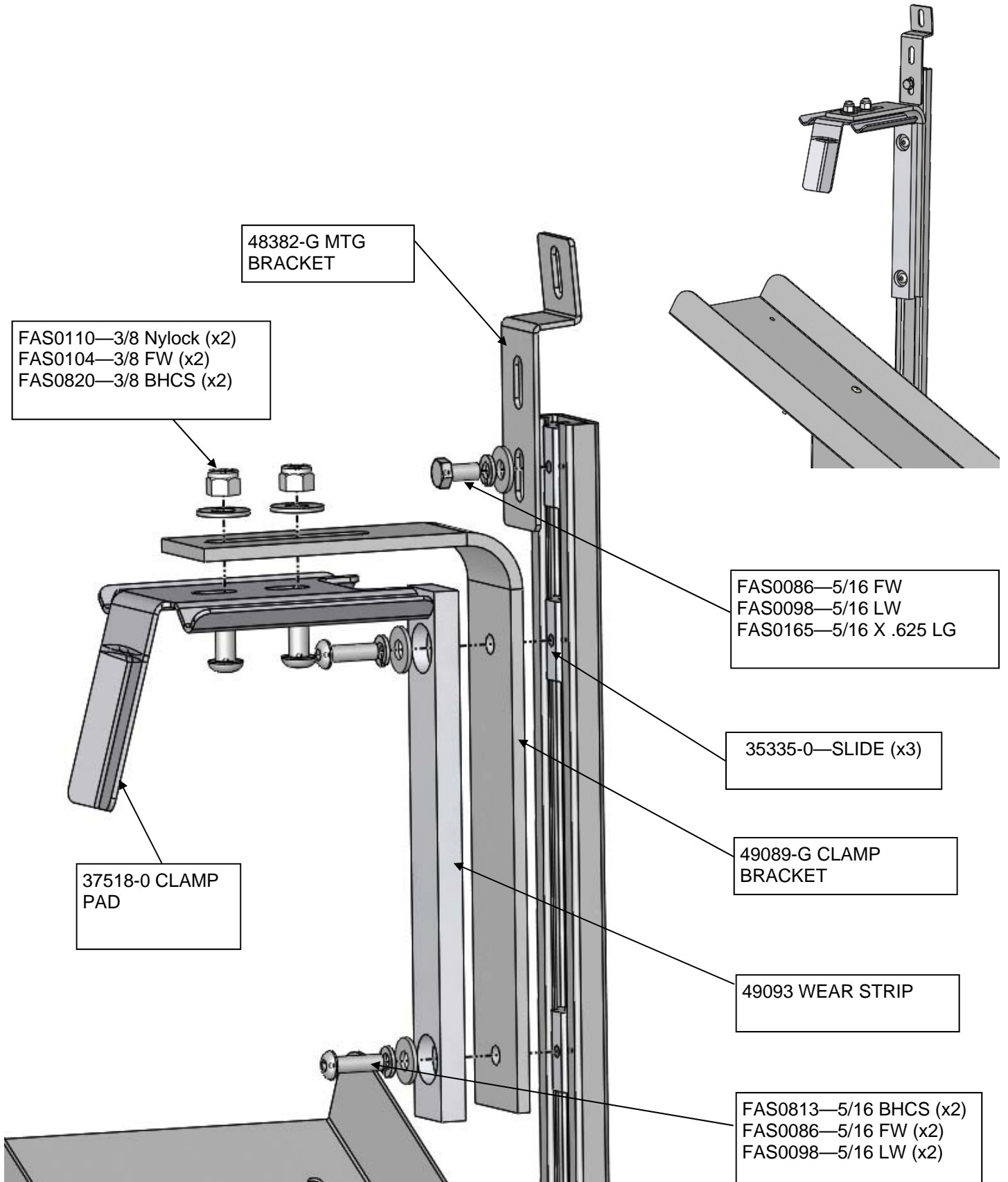
STEP 1A ASSEMBLE LADDER SLIDE TRAY.



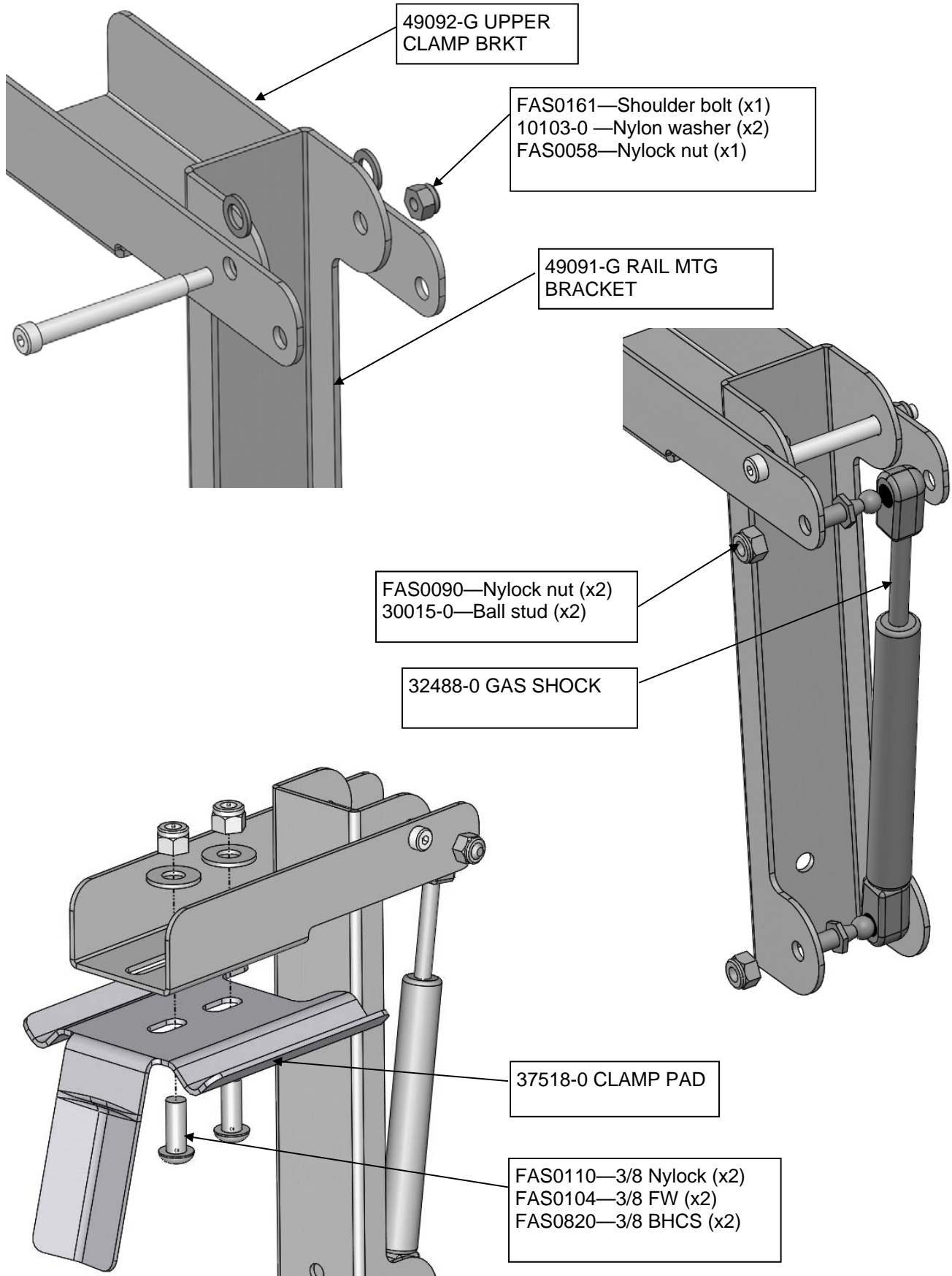
STEP 1B ON A FLAT TABLE OR FLOOR, ADD 49" LG AD RAILS



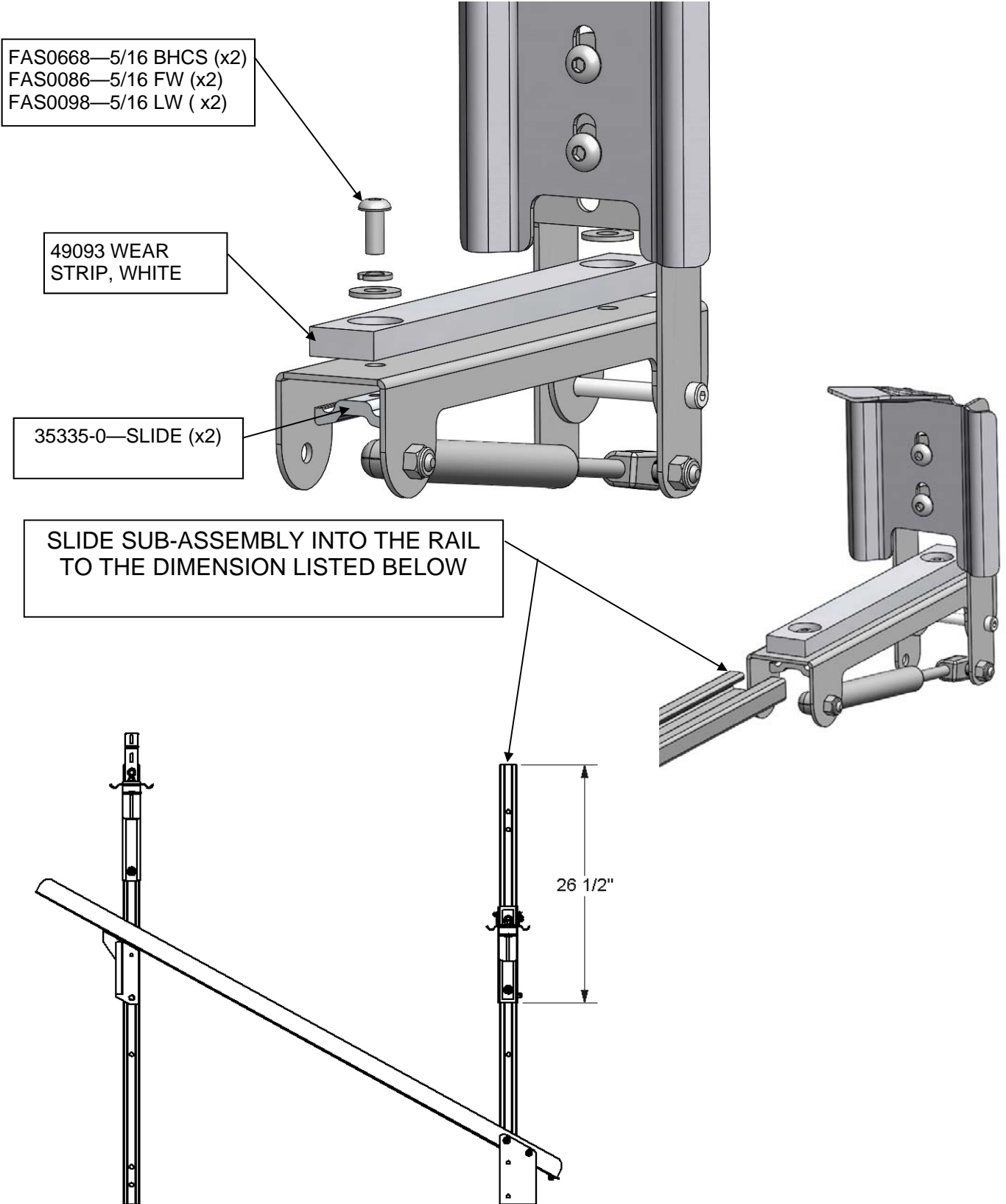
STEP 2 INSTALL FRONT LADDER STOP



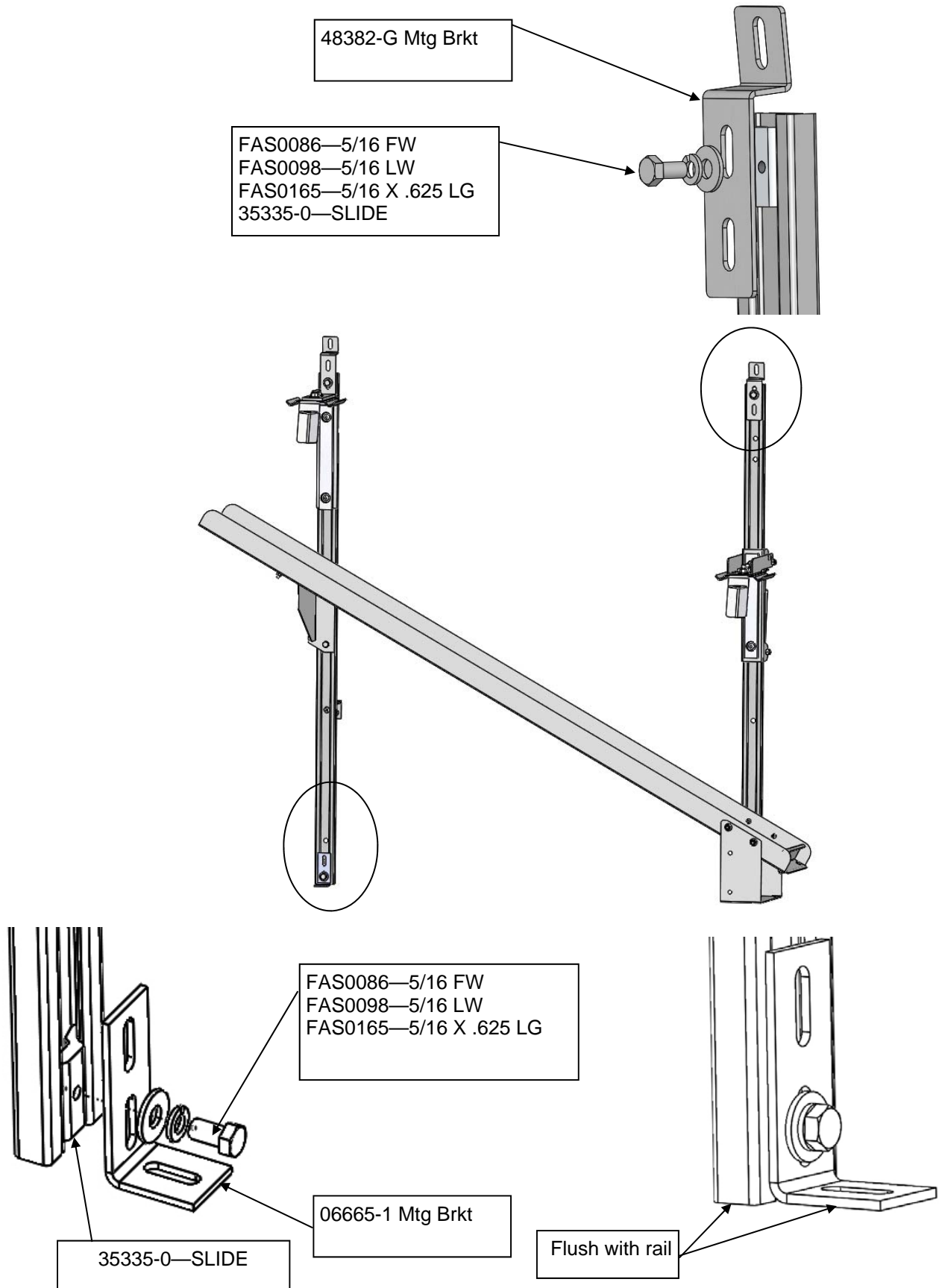
STEP 2A SUB-ASSEMBLE REAR LADDER CLAMP



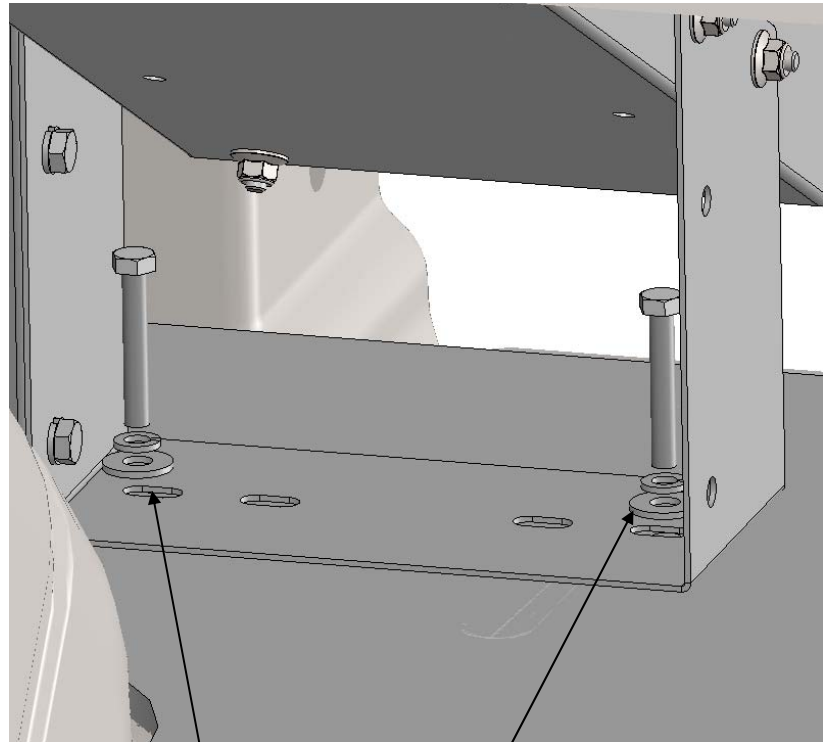
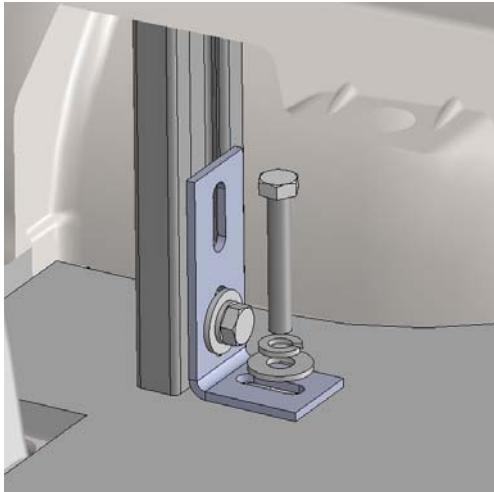
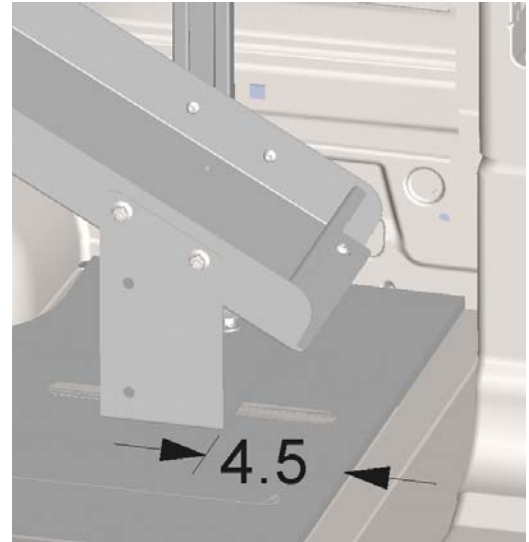
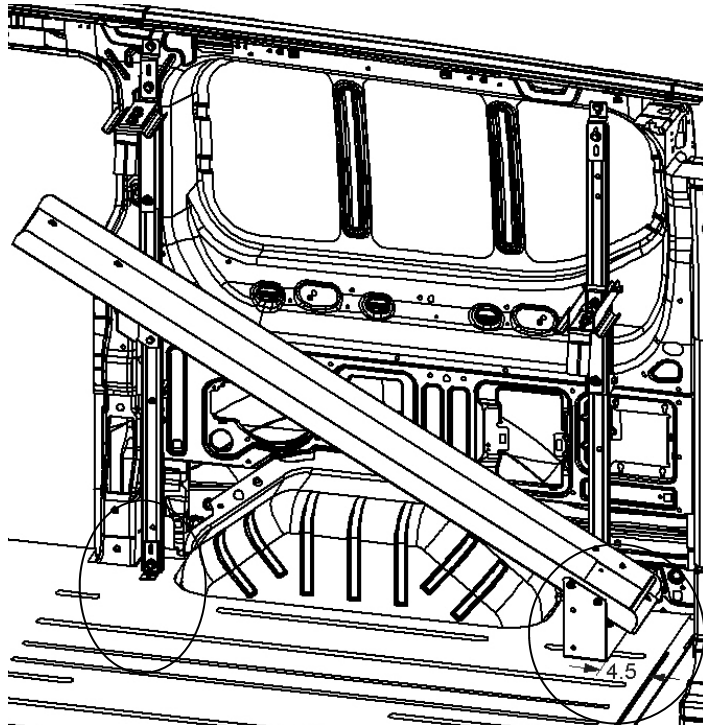
STEP 2B SUB-ASSEMBLE REAR LADDER CLAMP



STEP 3 ADD THE REMAINING MOUNTING BRACKETS AND PLACE IN VEHICLE



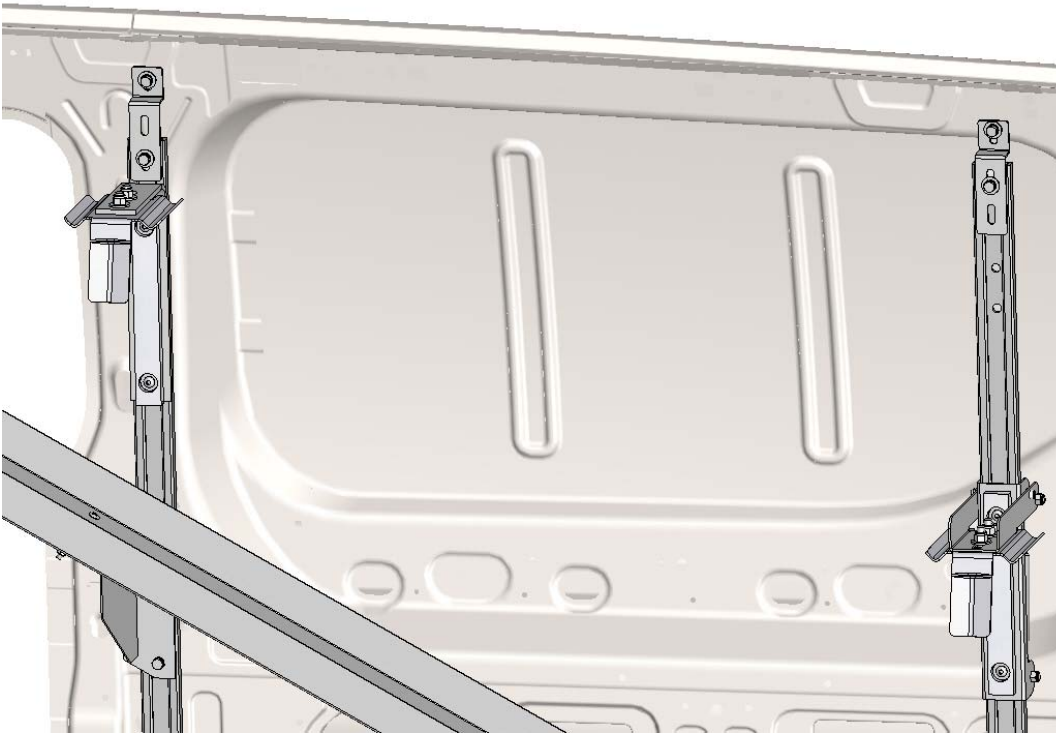
STEP 4 LOCATE AND SET PLUSNUTS IN THE FLOOR



TRANSFER MTG HOLES
USE CARPET HOLE SAW,
1/2" DRILL WITH DRILL STOP
SET PLUSNUT
FAS0091—5/16 PLUSNUT (3)

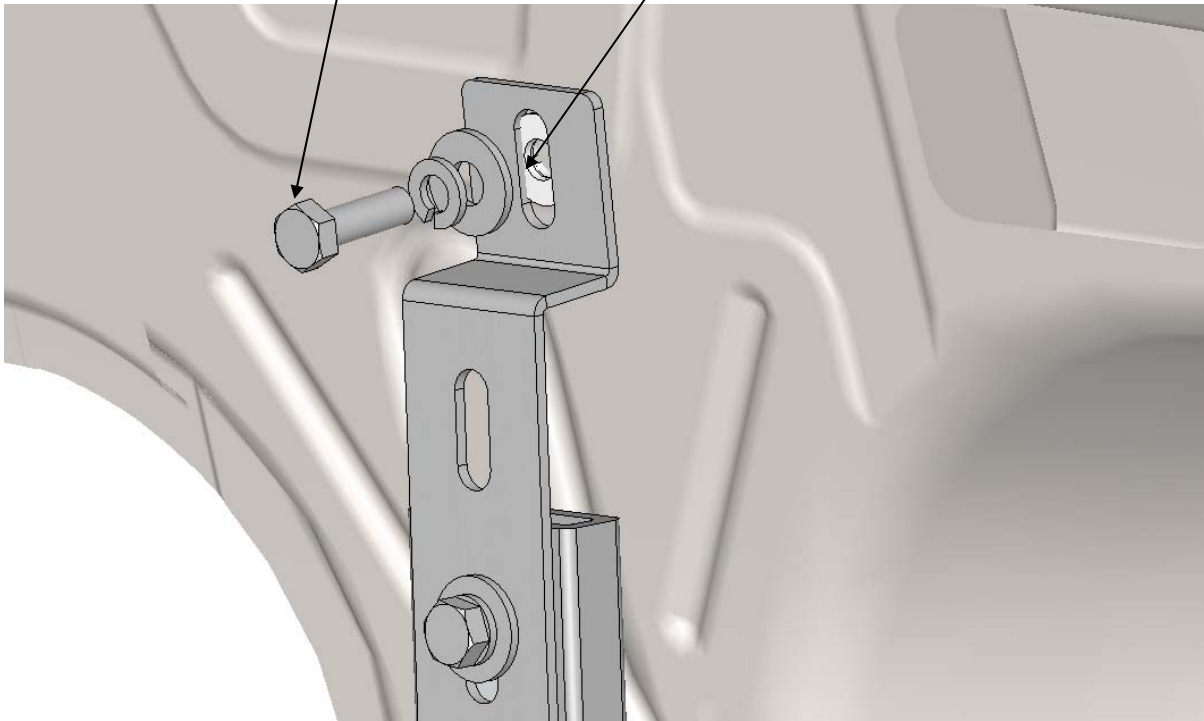
FAS0086—5/16 FW (3)
FAS0098—5/16 LW (3)
FAS0095—5/16 X 2 LG (3)
03927-2—TALL SPACER (3)

STEP 5 LOCATE AND SET PLUSNUTS FOR THE TOP MTG BRACKETS

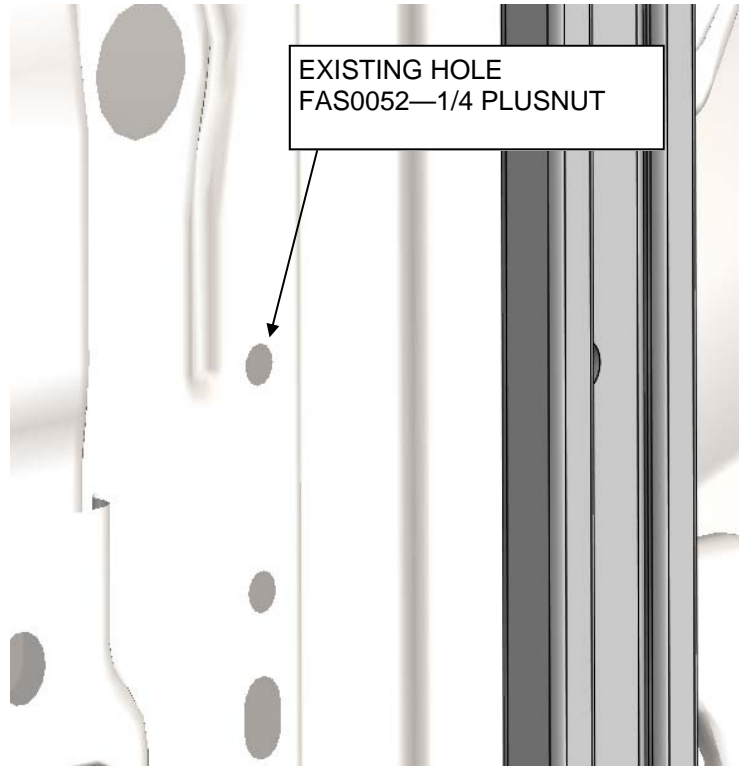
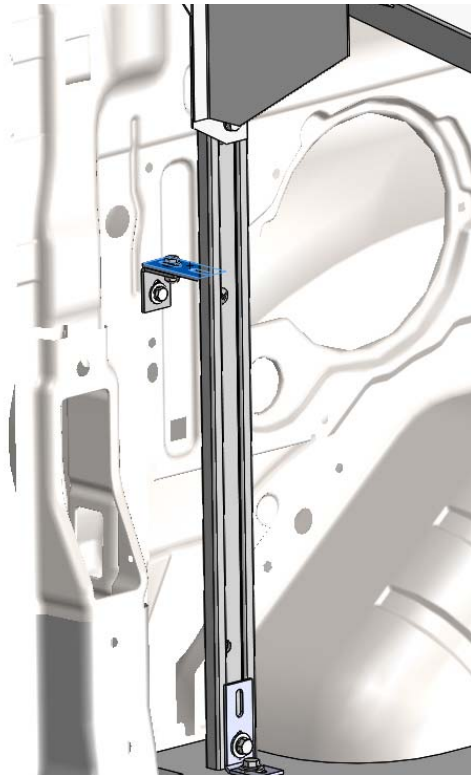


FAS0086—5/16 FW (x2)
FAS0098—5/16 LW (x2)
FAS0082—5/16 X 1 LG (x2)

TRANSFER MTG HOLE
DRILL WITH DRILL STOP
SET PLUSNUT
FAS0091—5/16 PLUSNUT (x2)



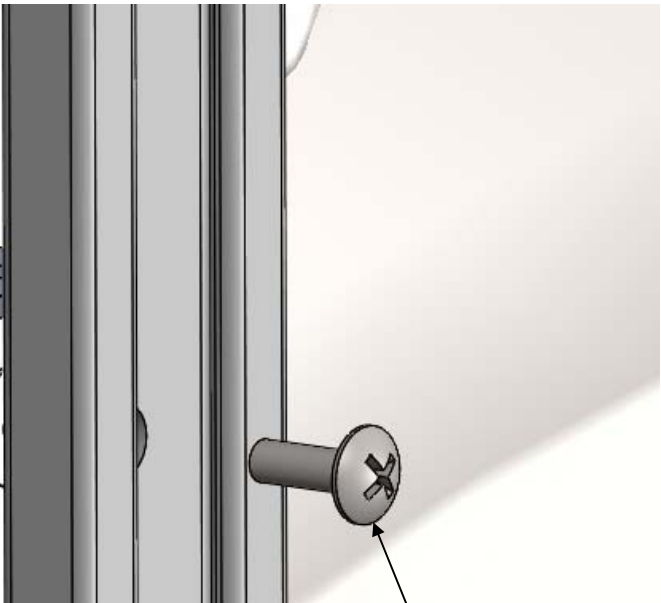
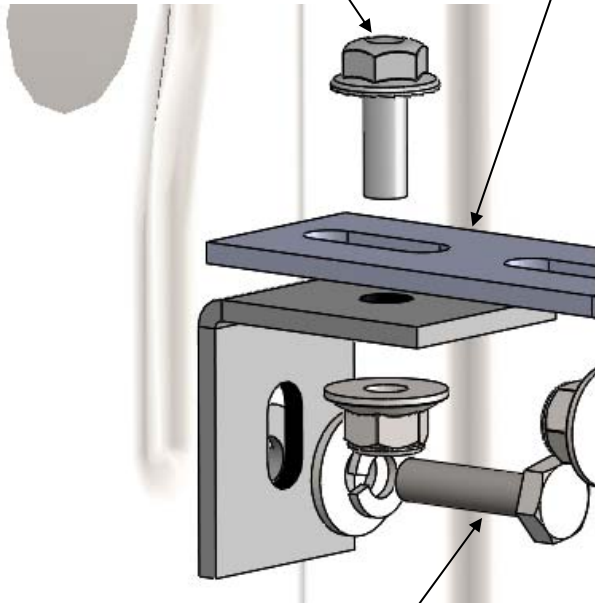
STEP 6 LOCATE AND SET PLUSNUTS FOR THE TOP MTG BRACKETS



EXISTING HOLE
FAS0052—1/4 PLUSNUT

FAS0018—1/4 x 5/8
FAS0055—Nylock nut

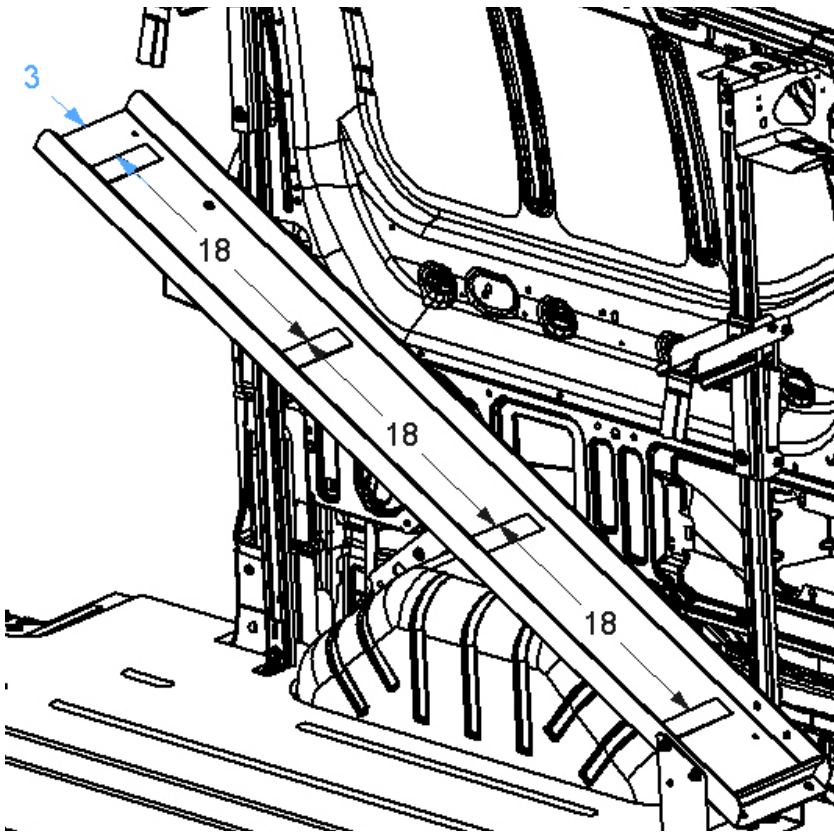
MB118—MTG ANGLE
06665-1— MTG BRKT



FAS0067—1/4 FW
FAS0060—1/4 LW
FAS0078—1/4 X 1 LG

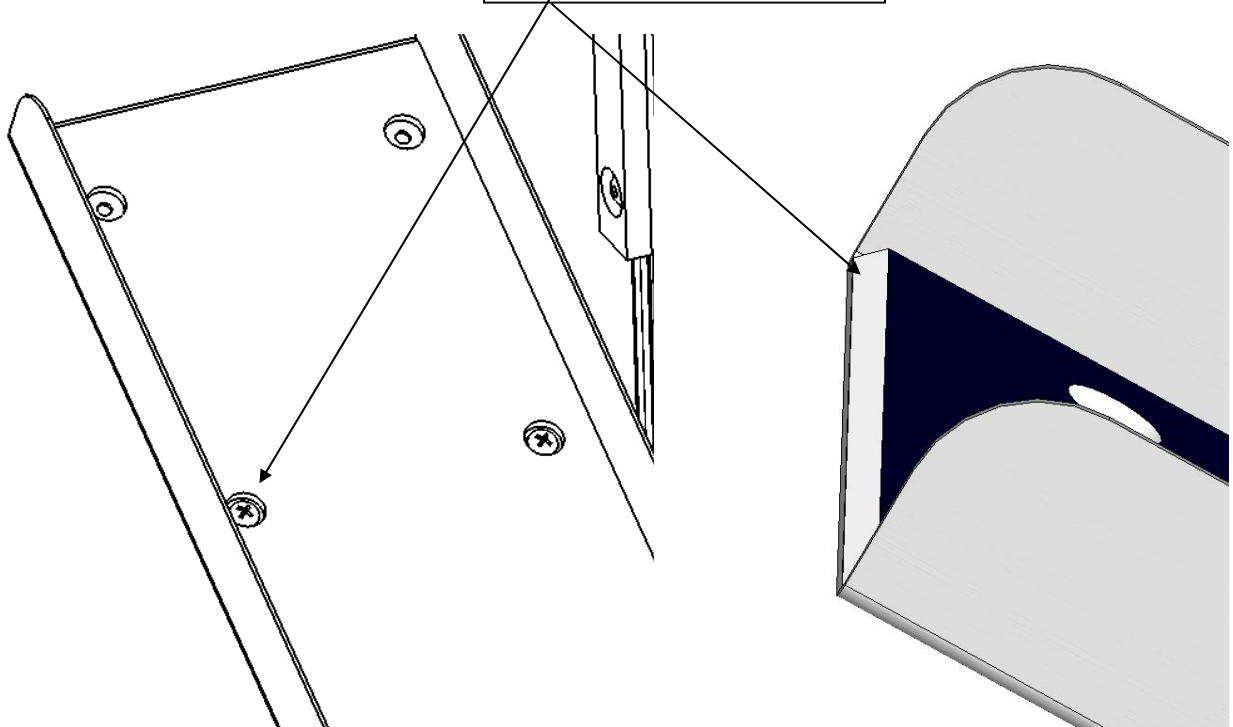
FAS0062—1/4 Truss hd
FAS0055—Nylock nut

STEP 7 ADD SKID PLATE, SET TO YOUR LADDER

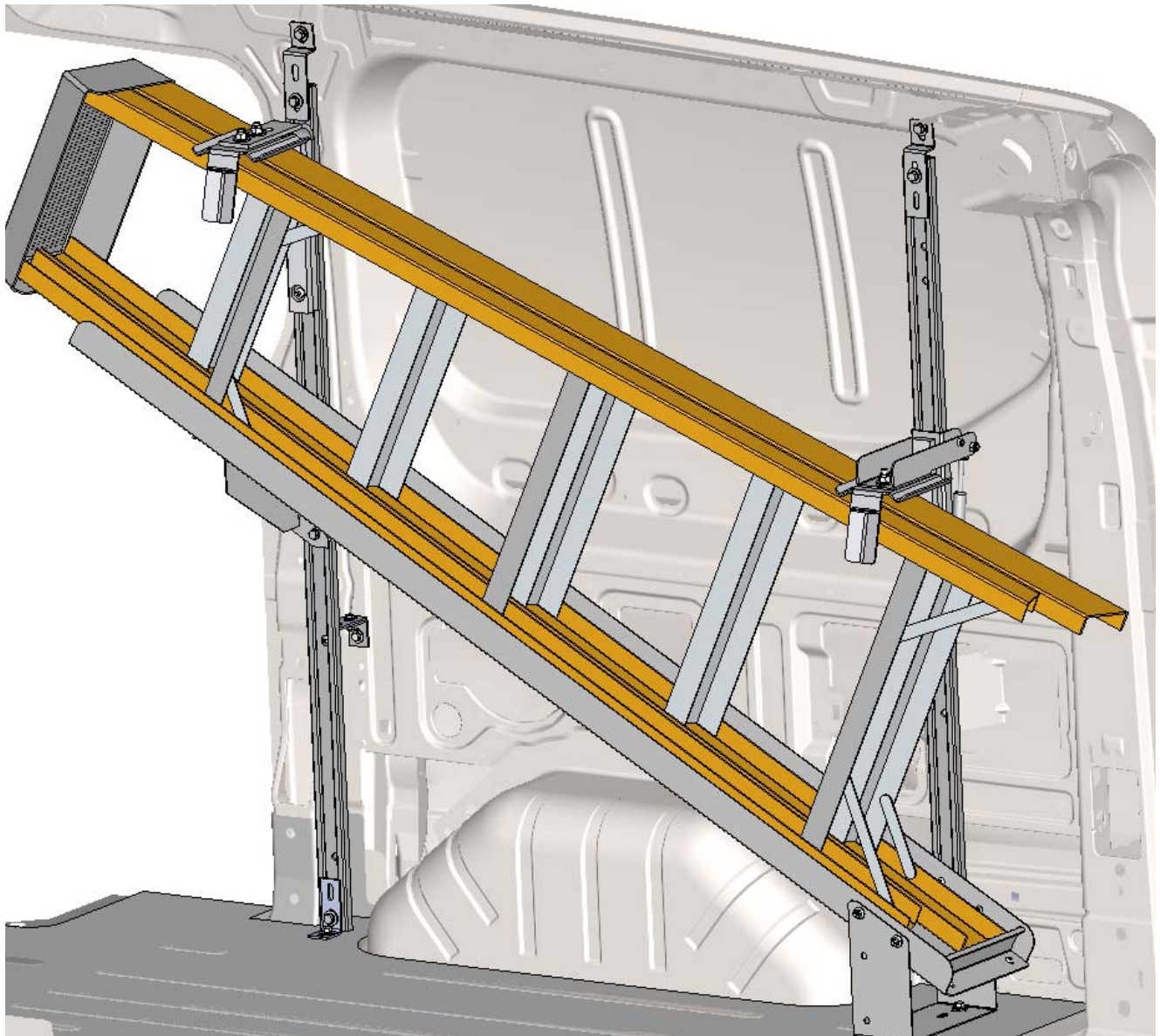


37272-0—TWO SIDED ADHESIVE TAPE. CUT IN HALF AND APPLY TO THE APPROXIMATE DIMENSIONS

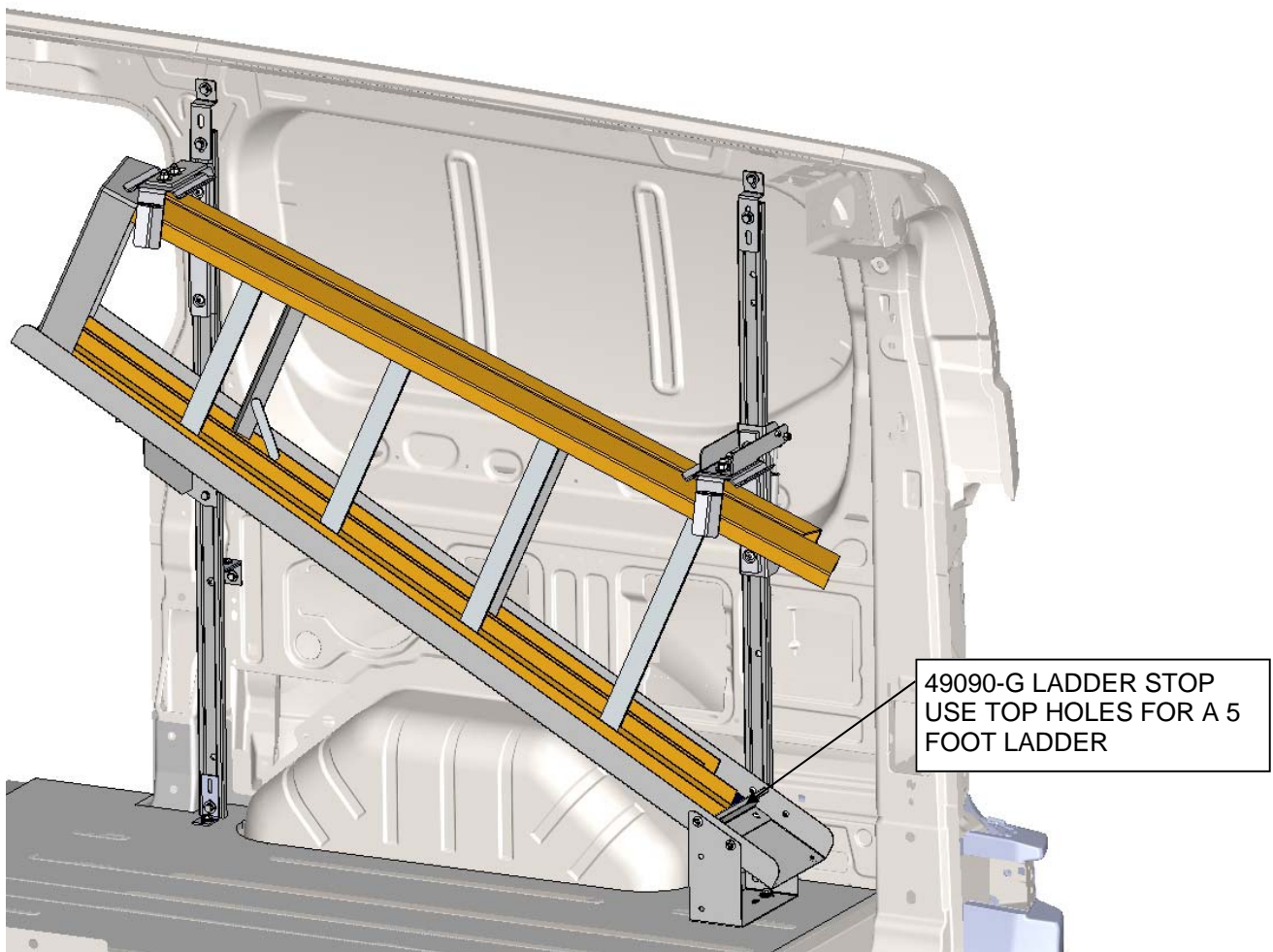
49088—SKID PLATE
PLACE CENTERED OVER HOLES. CHAMFER SIDE UP



STEP 8 ADJUST ALL CLAMPS TO YOUR LADDER !



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!**