

TITLE: FOLDING SHELF MODULE ASSEMBLY IN PROMASTER		
DOCUMENT #: WI-FOLD MODULE PM	LABOR HOURS: 1.0	PRINT DATE: 7/23/24
REVISION: 1	PREPARED BY: A. SUPPANAVAR	DATE PREPARED: 7/16/24
EFFECTIVE DATE: 7/17/2024	REVIEWED BY: SK	DATE REVIEWED: 7/17/24
FUNCTIONAL DEPARTMENT: ENGINEERING	APPROVED BY: SK	DATE APPROVED: 7/17/24

STANDARD WARNINGS:

- READ WORK INSTRUCTIONS IN ENTIRETY BEFORE STARTING
- CHECK THAT YOU ARE PROPERLY CLEAR OF GAS TANK AND WIRES BEFORE DRILLING
- CONTACT ENGINEERING IF QUESTIONS ARISE OR DOCUMENT NEEDS TO BE UPDATED
- FOLLOW ALL LISTED OEM SYSTEM FUNCTIONALITY CHECKS AFTER INSTALL.

LMS COMPATIBILITY TABLE

VAN / LMS SIZE	3FT	4FT	5FT	6FT	3FT+ 5FT	3FT+ 4FT	4FT+ 4FT	5FT+ 4FT	5FT+ 5FT	6FT+ 4FT	6FT+ 5FT
Ram Promaster											
Low Roof 118WB	Street		Street	Street							
Low Roof 136WB	Street	Curb	Street	Street	Street	Street					
High Roof 136WB	Street	Curb	Street	Street	Street						
High Roof 159WB	Street		Street &Curb		Street		Street	Street		Street	
High Roof 159- EXT	Street	Street &Curb	Street &Curb	Curb	Street		Street	Street	Street	Street	Street

Note: The above combinations may vary depending on updates to the VAN Model

IMPORTANT NOTES:

- MODULE ASSEMBLY sequence in the Vehicle starts from the street side, near to partition.
- Before installation, measure the dimensions of the module and the wheel well area to ensure compatibility and clearance.
- SPACERS should be used for upright-to-upright mountings, if required. *



ALUM SPACER WITH
SCREW HHC 5/16-18X1-3/4

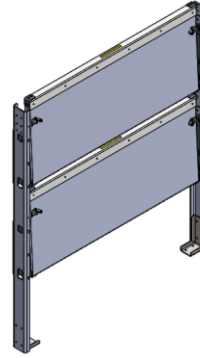
***If the gap between two uprights are more than 2 Inch “no spacer is required”.**

VEHICLE INSTALL:

- Place the **MODULE ASSEMBLY** in the vehicle cargo area for Installation.



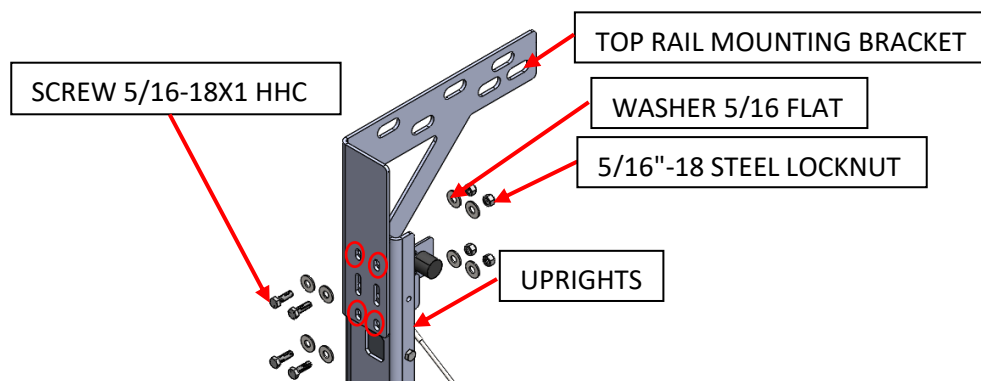
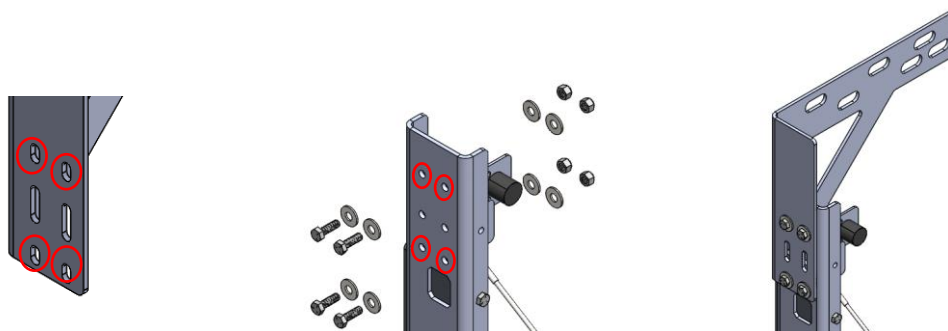
OPEN CONDITION



CLOSED CONDITION

- Attach (1) TOP RAIL MOUNTING BRACKET LH, (1) TOP RAIL MOUNTING BRACKET RH placing one at left upright and the other at right upright, using (16) WASHER USS 5/16 FLAT ZINC, (8) SCREW 5/16-18X1 HHC 304S & (8) 5/16"-18 STEEL LOCKNUT for secure installation.

NOTE: Do not fully tighten the nut & bolt



- Use floor template to mark and drill, or Position the module assembly in the van and mark the hole position and drill (8) mounting holes on the floor. Utilize a 1-1/8" holesaw with a pilot bit, Subsequently, re-drill the pilot holes using a 3/8" unibit, (4) drill holes near the partition at the Driver Side and (4) holes near the Driver Side C pillar.

Use Rustproofing on all drilled floor holes.

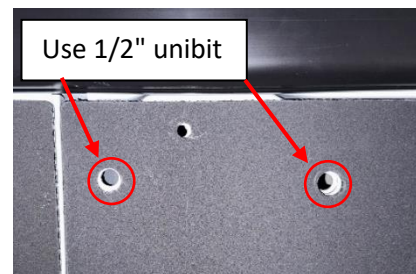
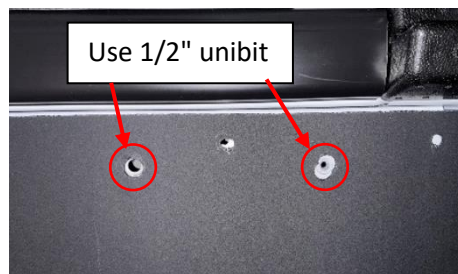


- Pop off the tree clips at top of the wall liner and store them for re-use.
- Attach the hole template to the wall and mark the holes or use the whole **MODULE ASSEMBLY** to mark and drill.

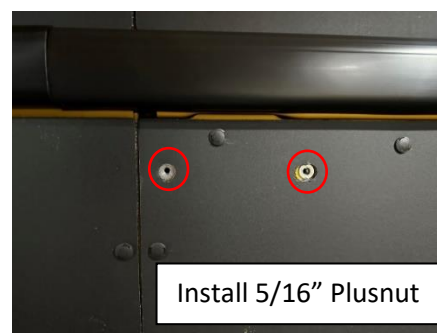
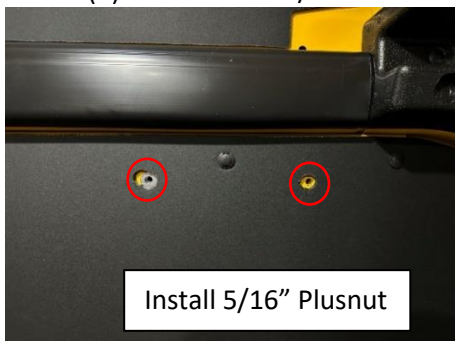


Holes marked for drilling

- Use 3/4" holesaw to drill (4) holes in the wall liner. (2) holes are located near the partition and the other (2) holes are located near the C pillar, drill into the vehicle wall using 1/2" unibit.

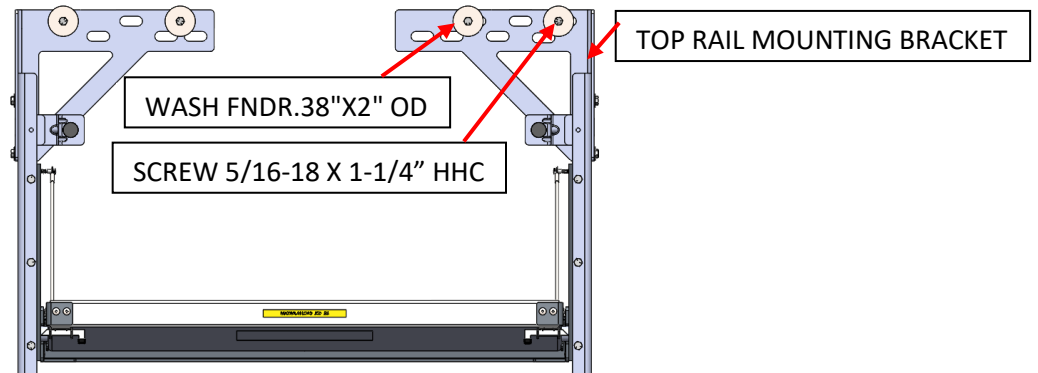


- Install (4) PLUSNUT FH 5/16-18 threaded insert into the previously drilled (4) 1/2" holes.

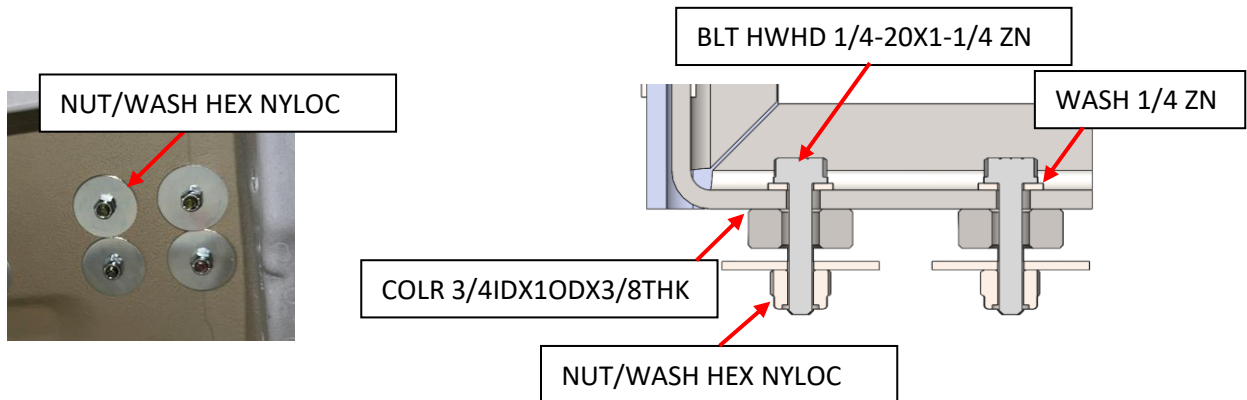


- Place the MODULE ASSEMBLY inside the vehicle cargo area and align it to the **TOP MOUNTING HOLES** and the **FLOOR HOLES**.
- Attach (1) MODULE ASSEMBLY to the Plusnut on the wall side Using (4) SCREW 5/16-18 X 1-1/4" HHC GR8, (4) WASH FNDR.38"X2" OD ZINC.

TOP RAIL MOUNT BRK TOP SLOTS ARE USED FOR PROMASTER VANS




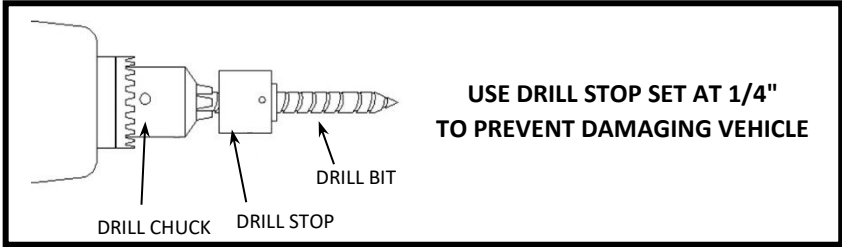
- Attach (1) MODULE ASSEMBLY to the floor, Use (8) BLT HWHD 1/4-20X1-1/4 ZN YL GR, (8) WASH 1/4 ZN GR2, (8) NUT/WASH HEX NYLOC 1/4-20 ZN



- The module is installed in the vehicle.


BEFORE DRILLING

STOP **CHECK ALL MOUNTING LOCATIONS TO PREVENT PENETRATING
GAS LINES, GAS TANKS, BRAKE LINES, WIRING OR ANY OTHER STRUCTURE OF VEHICLE** **STOP**



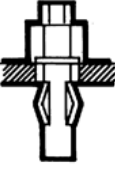
The Plusnut® is pre-bulbed for easy installation

1




The Plusnut® is pre-assembled with hex cap and hex bolt.
Then it is inserted into a pre-drilled hole

2



As the bolt is tightened, the Plusnut® upsets
and provides outstanding
blind fastening holding power

3



C-500 tool tightens bolt thru hex head cap into Plusnut® A
ratchet, open-end or closed –end wrench can be used.

4



Fully upset Plusnut® provides
a reliable nut plate for fastening.

5