

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

**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	6FT+4FT
<b>Ford Transit</b>									
Med Roof & High Roof 148WB		Street & Curb	Street & Curb					Street	
Med Roof 130WB	Street	Street & Curb	Street		Street		Street		
High Roof 148- EXT	Street & Curb	Street & Curb	Street & Curb	Street & Curb		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.
- Use factory holes, if possible, for Transit vans.
- MODULE ASSEMBLY not suitable for vehicles with a low roof and either a (130WB) / (148WB)
- 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. \*

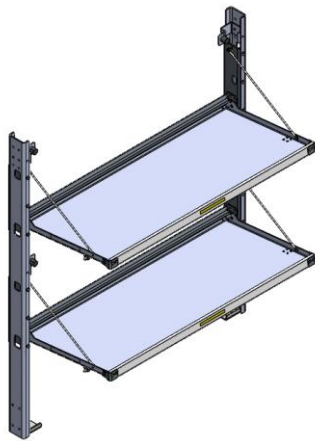


ALUM SPACER WITH SCREW HHC 5/16-18X1-3/4

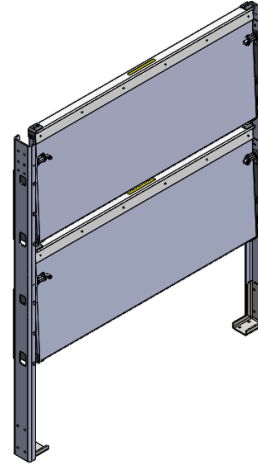
**\*If the gap between two uprights are more than 2 Inch "no spacer is required".**

## VEHICLE INSTALL:

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



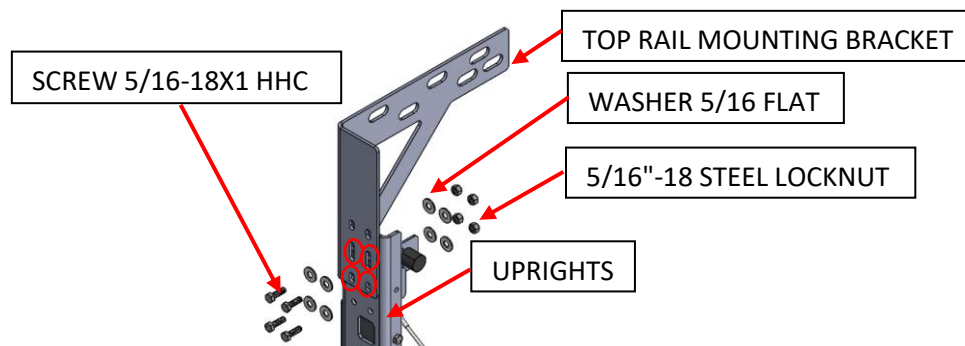
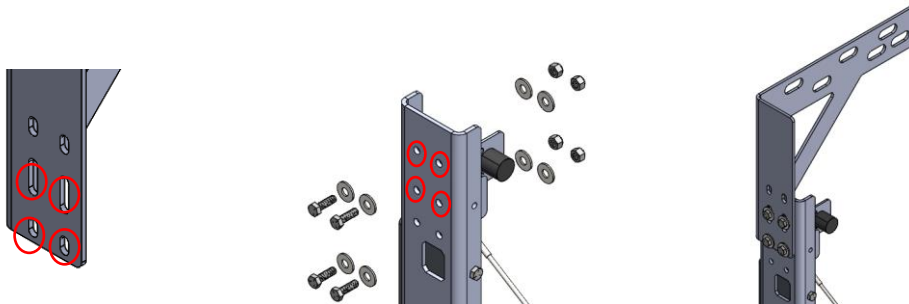
OPEN CONDITION



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, redrill 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 Rust-Proofing on all drilled floor holes.**

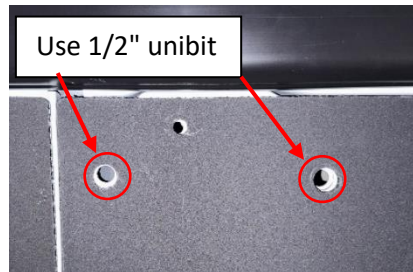
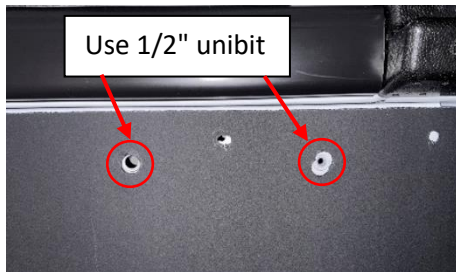


- Pop off the tree clips at top of the wall liner and store them for re-use.
- Attach the hole template to the wall and mark the holes or use the whole **MODULE ASSEMBLY** to mark and drill.

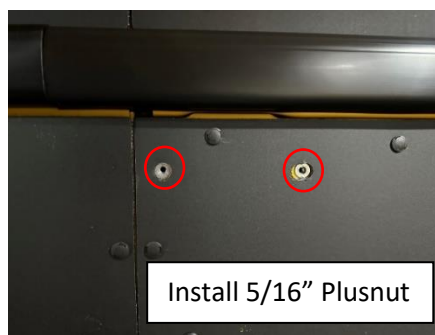
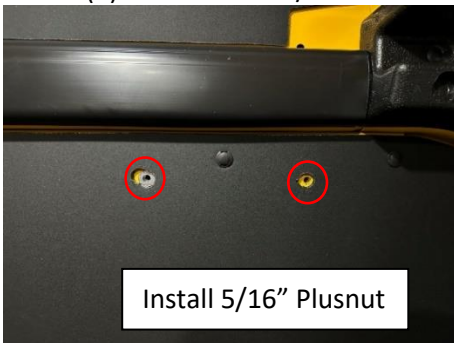


Holes marked for drilling

- 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.

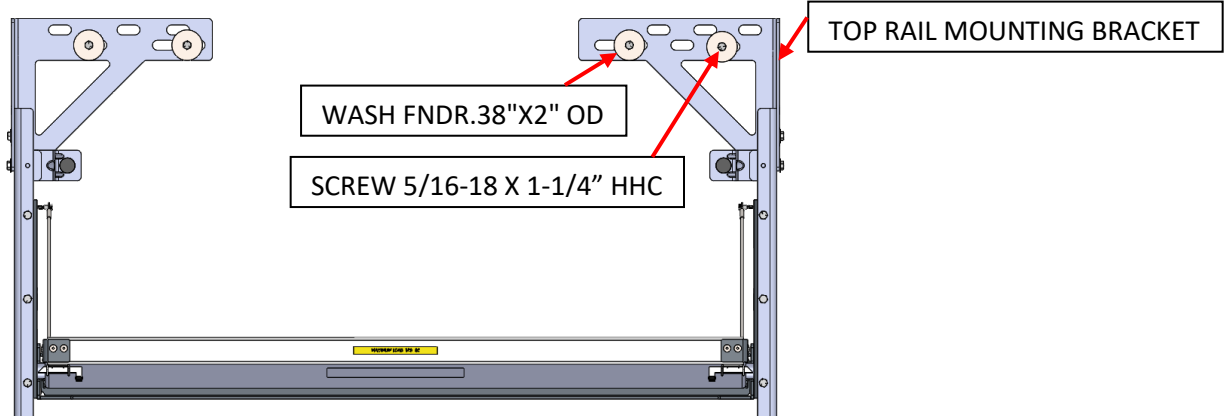


- Install (4) PLUSNUT FH 5/16-18 threaded insert into the previously drilled (4) 1/2" holes.

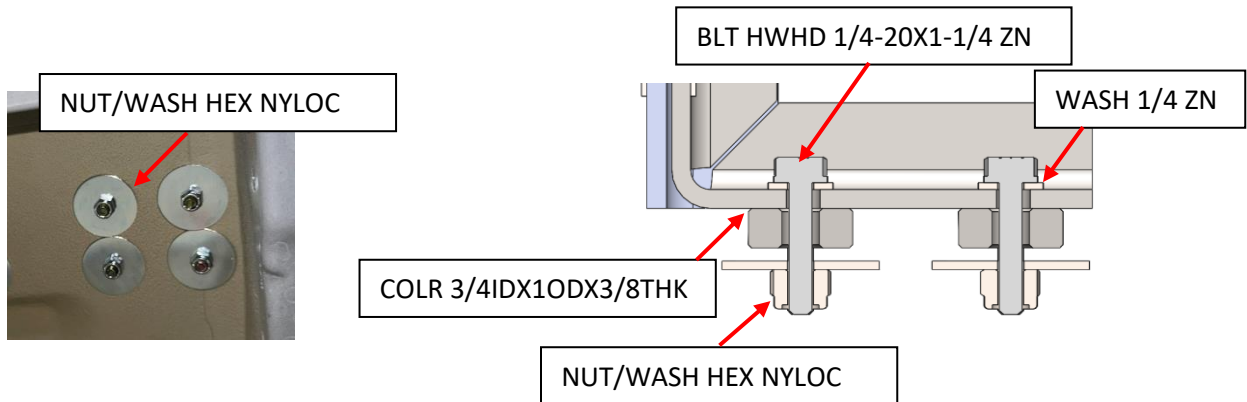


- Place the MODULE ASSEMBLY inside the vehicle cargo area and align it to the **TOP MOUNTING HOLES** and the **FLOOR HOLES**.
- Attach (1) MODULE ASSEMBLY to the Plusnut on the wall side Using (4) SCREW 5/16-18 X 1-1/4" HHC GR8, (4) WASH FNDR.38"X2" OD ZINC.

**\*TOP RAIL MOUNT BRK BOTTOM SLOTS ARE USED FOR TRANSIT 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


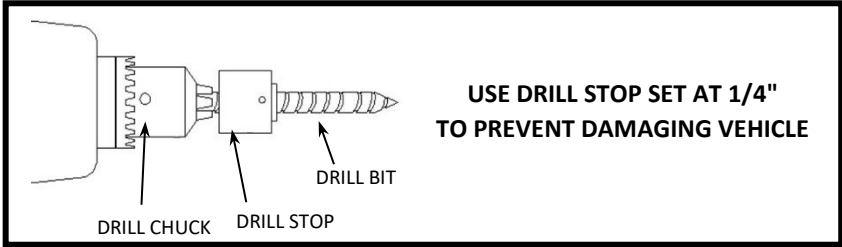


- The module is installed in the vehicle.

**BEFORE DRILLING**


**STOP**      **STOP**

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



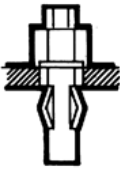
The Plusnut® is pre-bulbed for easy installation

**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**