BODYGUARD®
COMPOSITES

MI-LIN946 NISSAN NV HIGH ROOF PARTITION INSTALLATION GUIDE

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On behalf of Bodyguard and Malley Industries, congratulations and thank you for purchasing our interior van products.

Malley Industries is one of North America's premiere manufacturers of ambulances, patient transfer units and mobility vehicles. Bodyguard composite interiors are in all of these vans because they are rugged, safe, and easy-to-clean.

Bodyguard Composites products follow Malley's strict manufacturing process controls. With tens of thousands of our products in commercial and emergency vehicles throughout North America, Bodyguard's noise-reducing, lightweight interior products will provide years of protection while improving the fuel efficiency of your van.

Terry Malley

President & CEO

BODYGUARD® COMPOSITES

MI-LIN946 & MI-LIN947			
	QTY	DESCRIPTION	
	1	PARTITION PANEL	
A	4	M8-1.25 x 40mm DIN 7985 PHILLIPS DRIVE PAN HEAD STEEL MACHINE SCREWS	
B	5	M8-1.25 x 25mm DIN 7985 PHILLIPS DRIVE PAN HEAD STEEL MACHINE SCREWS	
C	4	1/4" PLUS NUT	
D	13	1/4" FLAT WASHERS	
E	4	1/4" SPLIT LOCK WASHERS	
F	4	1/4"-20 X 1-1/2" PAN HEAD MACHINE SCREWS	
G	22	HEX HEAD #2 POINT 410 STAINLESS STEEL SELF-DRILLING SCREWS	
H	7	1/4" RIVETS	
I	4	SPACERS	
J	1	FLOOR BRACKET (MI-FUF1115)	

SUGGESTED TOOLS:

- M8 NUT DRIVER
- 3/8" DRILL BIT
- PLUS NUT GUN
- ¼" NUT DRIVER
- 1/4" DRILL BIT
- 1" HOLE SAW
- F DRILL BIT

A (91252)
1.25 x 40mm Pan Head Machine Screws

B (91249)
1.25 x 25mm Pan Head Machine Screws

C (10592-03962)
1/4" Plus Nuts

D (1133004)
1/4" x 0.734" Flat Washer

E (1133618)
1/4" Split Lock Washer

F (1129196)
1/4"-20 x 1-1/2" Pan Head Machine Screws

G (1131945)
#2 Point 410 Self-Drilling Screws

H (41235)
1/4" Rivet

I (45-18128)
Spacers

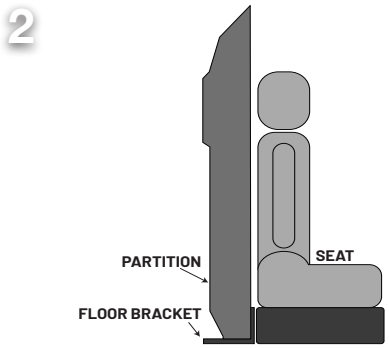
J (MI-FUF1115)
Floor Bracket

Ensure you have all required hardware and equipment prior to beginning installation.

WARNING: PRIOR TO DRILLING INTO THE VEHICLE, CHECK BEHIND DRILLING LOCATIONS FOR ELECTRICAL WIRES, FUEL/BRAKE LINES, AND OTHER CRITICAL COMPONENTS. ADJUST THE DRILLING LOCATIONS TO ENSURE THAT YOU AVOID CONTACT WITH THESE COMPONENTS. FAILURE TO DO SO CAN RESULT IN SERIOUS INJURY OR DEATH, AND CAUSE SEVERE DAMAGE TO THE VEHICLE'S FUNCTIONALITY.

DISCLAIMER: WHILE OUR PRODUCTS ARE PRODUCED WITHIN A MANUFACTURING PROTOCOL - ABS COMPOSITE PARTITIONS AND WALL LINERS COULD HAVE SLIGHT VARIANCES THAT OCCUR DURING THE MANUFACTURING PROCESS. VARIANCES IN THE VEHICLE MANUFACTURING PROCESS CAN ALSO AFFECT HOW OUR PRODUCTS FIT. IT MAY BE NECESSARY TO TRIM SOME AREAS TO ACCOMMODATE A BETTER FIT. SHOULD YOU HAVE QUESTIONS DURING THE INSTALLATION PROCESS, PLEASE CONTACT US.

Pull back the rubber trim from around the sliding door frames.

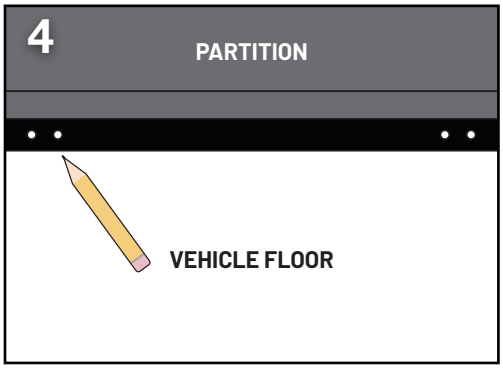


Slide the floor bracket (**J**) into place at the front of the compartment so that the holes line up with the OEM floor holes. Position the 90 degree angled part to the front of the vehicle. Then Install floor bracket to the cargo floor using 4x bolts (**A**) and 4x washers (**D**).

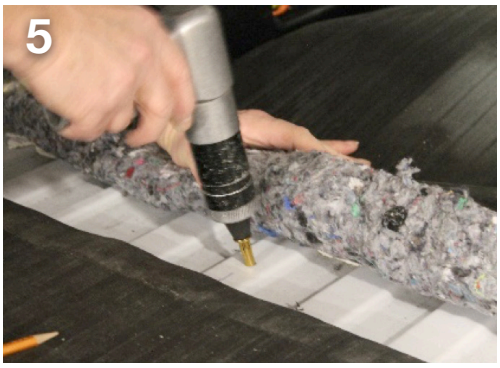
Note: If the van did not come with OEM floor holes, follow the extra steps after step 3.

Slide the partition into place so that it lines up against the floor bracket, B-Pillar and along the headliner.

Complete Steps 4-5 only if your van did not come with OEM holes.

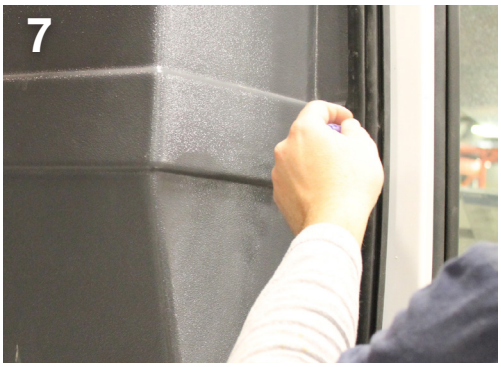


Mark the 4 pre-drilled holes in the bottom bracket. Then remove the partition and the bracket. Use any markings or OEM installed bolts to verify that there are no components under the floor that would be pierced by the drill bit.



Drill pilot holes in the marked holes and re-drill with a 11/32” drill bit. Insert plus nuts. Next go back to Step 2 to continue the install as planned.

Mark the sides and the top of the floor bracket on the partition in order to drill the holes for the rivets later. Loosely insert x5 machine screws (**B**) and washers (**D**) at the top of the partition in the pre drilled holes of the partition and the OEM headliner.

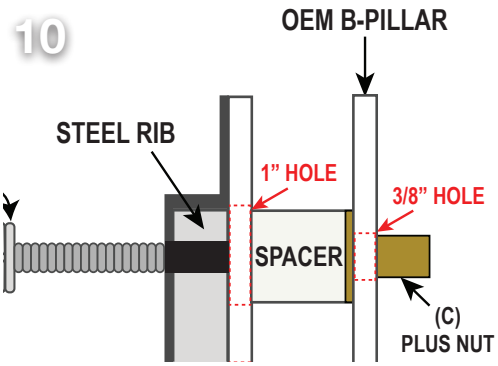


Mark two holes on each side for the mid rib and drill through the plastic and metal B-pillar using a 1/4” drill bit.

Remove the partition and the floor bracket.

Clamp the floor bracket to the partition aligned with the marks from **Step 4**, drill seven holes for the rivets with a size F drill bit. **DO NOT** install the rivets yet.

Using the drilled holes from **Step 5** as a center point, cut the B-Pillar plastic using a 1” hole saw. Using the drilled holes from **Step 5** as a center point on the B-Pillar, drill 3/8” hole into the B-pillar for the plus nuts using the 3/8” drill bit.



Install x4 plus nuts (**C**) into the metal B-pillar. Insert a spacer (**I**) in each hole. Verify access to the plus nuts. **Note:** You may need to use a light adhesive to temporarily hold spacer to plus nut as you reinstall partition.

Reference **Diagram** 1 on last page.

Reinstall the floor bracket and the partition and repeat **Steps 2** & **4**.

Loosely secure the sides of the partition at the mid rib with x4 1-1/2” machine screws (**F**) and washers (**D** & **E**).

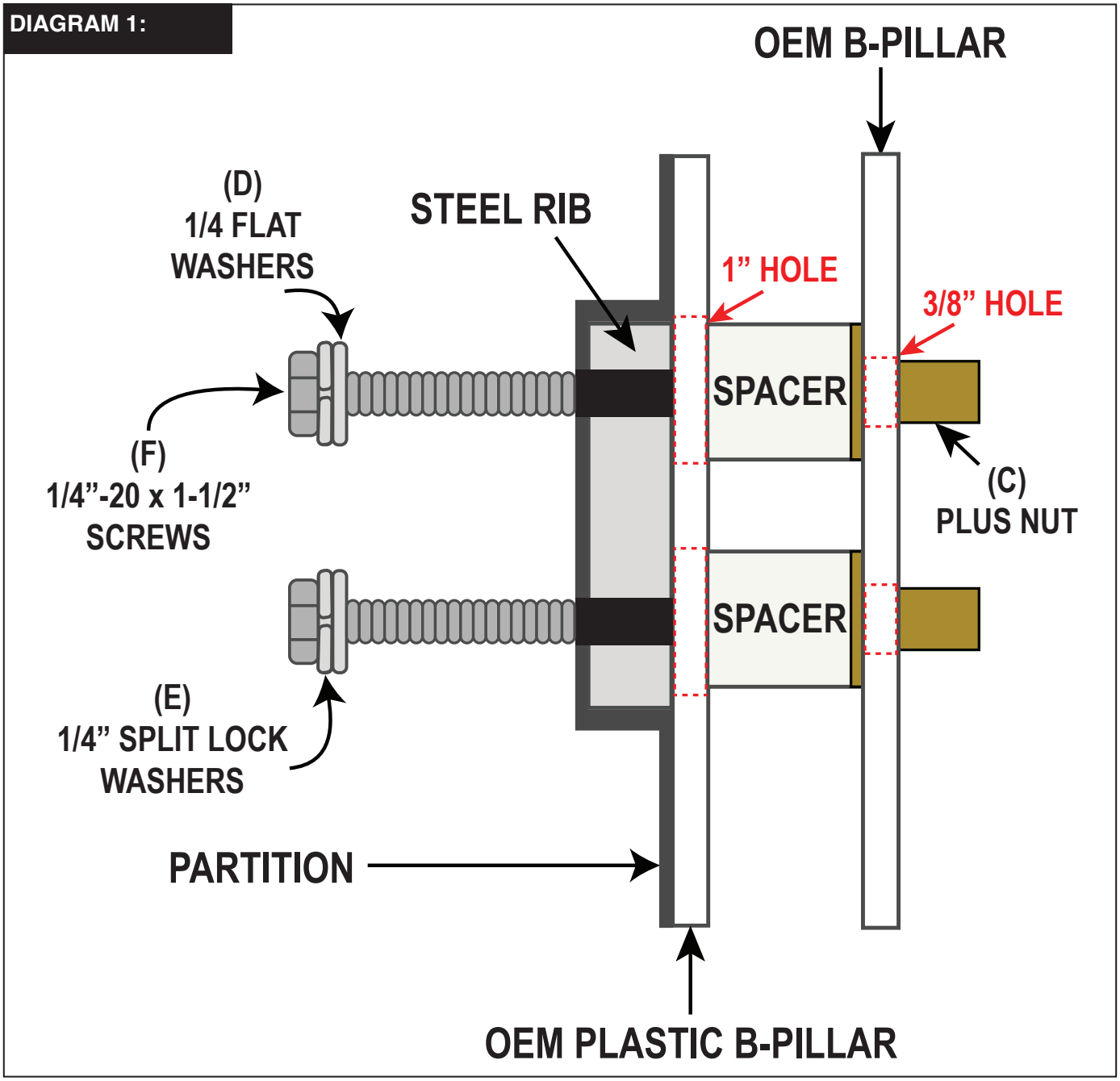
Loosely insert x11 self-tapping screws (**G**) on each side of the partition.

Using the drilled holes from **Step 6** as a centerpoint, install the x7 rivets (**H**). When properly positioned, tighten all bolts.

Adjust the rubber trim along the door frames. The rubber should cover the outer edge of the panel.

Installation is now complete.

DIAGRAM 1:


OEM B-PILLAR
(D)
1/4 FLAT
WASHERS
STEEL RIB
1" HOLE
3/8" HOLE
SPACER
(F)
1/4"-20 x 1-1/2"
SCREWS
(C)
PLUS NUT
SPACER
(E)
1/4" SPLIT LOCK
WASHERS
PARTITION
OEM PLASTIC B-PILLAR