

// KNAPHEIDE VAN EQUIPMENT

FORD TRANSIT HIGH ROOF AND MEDIUM ROOF PARTITION INSTALLATION INSTRUCTIONS



INTRODUCTION

The following instructions detail the procedure for installing a Knapheide ABS Partition in a Ford Transit High or Medium Roof Van.

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Knapheide product warranty information can be found at

<https://www.knapheide.com/files/source/knapheide/Service/Knapheide-Warranty.pdf>

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// HARDWARE



1/4-20 Carriage Bolt
30900780 Qty. 20



5/16-18 Rivnut
50903910 Qty. 10



1/4-20 Whiznut
12030144 Qty. 20



M6-1.00 x 25 Bolt
31568910 Qty. 2



5/16-18 x 1.00 Bolt
31268790 Qty. 10



.43 x 1.00 Sealing Washer
12051132 Qty. 8



M6-1.00 x 40 Bolt
31568920 Qty. 2
Qty 4 if double slide doors

CAUTION: Use of hardware other than provided, or alternative installation methods other than outlined herein, may void the product warranty. Fasteners should be tightened to called out specification or use Fastenal website torque calculator for any hardware not called out. Use caution when using air or battery operated tools.

// PARTITION PREPARATION

WARNING!



Prior to drilling into any part of a vehicle, check behind and underneath drilling and mounting locations for electrical wire, fuel lines, brake lines, and other critical vehicle components. Adjust the drilling location as required to avoid these components. Failure to do so can result in death or serious injury in addition to impairing critical vehicle functions.

Use a 23/64" drill bit to drill through the three dimples in the top of the partition.



Partition Shown Cab Side Up

Drill 23/64" holes at the dimple locations on each side of the partition.



Partition Shown Cab Side Down

// PARTITION PREPARATION

Place the partition brace (part# 26262303) on the partition so that the end slots line up with the holes drilled previously.



Use the brace as a template and drill a 1/4" hole through the partition where shown.



Secure with an 1/4-20 carriage bolt and nut.



// PARTITION PREPARATION

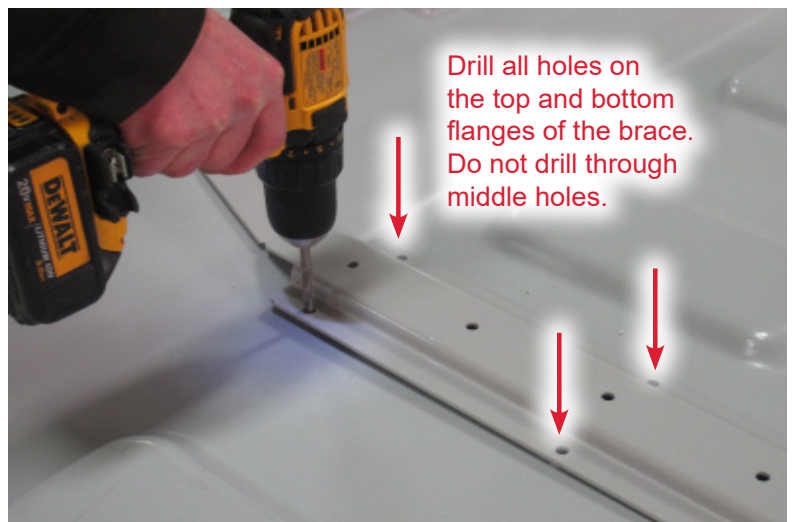
Repeat on opposite side.



Tighten both nuts to 6 ft.-lbs. (+/-1 ft.-lb.).



Use a 1/4" bit to drill through the remaining holes on the top and bottom sides of the partition brace. Do not drill through the middle holes.

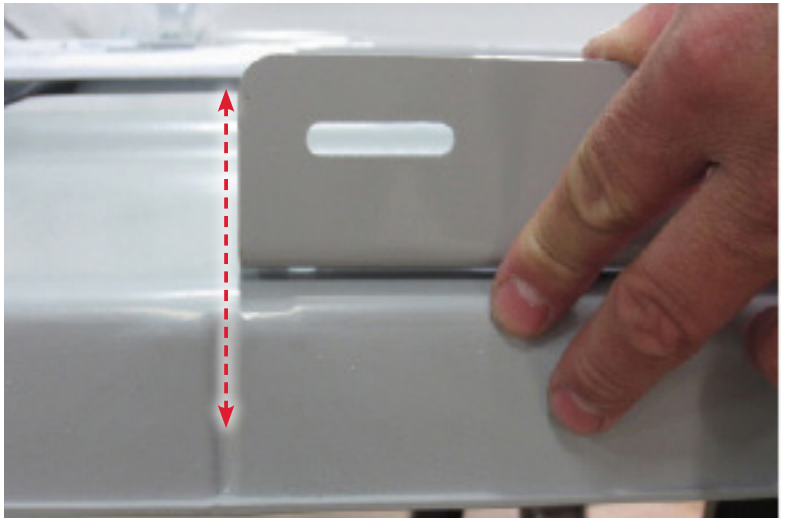


// PARTITION PREPARATION

Install the remaining carriage bolts and nuts.



Align the edge of the “L” bracket (part # 31770420) with the bottom of the partition as shown.



Make sure the “L” bracket is flush against the bottom lip of the partition. Use a 1/4” drill bit to drill 4 holes through the partition. Use the “L” bracket as a template as shown.



// PARTITION PREPARATION

Attach the bracket to the partition with 1/4-20 carriage bolts & nuts. Leave finger tight.



The partition is now ready to be installed into the van.



// PARTITION INSTALLATION

WARNING!

Prior to drilling into any part of a vehicle, check behind and underneath drilling and mounting locations for electrical wire, fuel lines, brake lines, and other critical vehicle components. Adjust the drilling location as required to avoid these components. Failure to do so can result in death or serious injury in addition to impairing critical vehicle functions.



WARNING!

For E-transits, review the Ford Body Builder Layout book and Body Equipment Mounting Manual for applicable no drill zones, fastener clearance information, electrical and sub-system routing information, etc. Note that care should especially be taken when drilling through the floor that proper clearance is maintained between the drill bit and the electrical components per these OEM documents.

Remove the D-ring hooks on each lower B-Pillar.

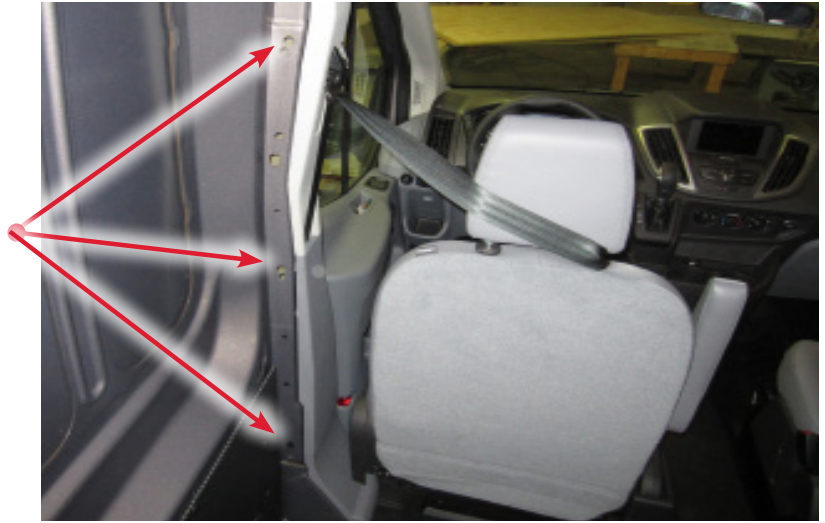


Remove the grab handle(s) from the B-pillar(s).



// PARTITION INSTALLATION

Install 5/16-18 rivnuts in these three locations (behind driver's seat and along the street-side B pillar).



Temporarily place the partition in the van firmly against the B-pillars and roof brace and mark 3 hole locations with a paint pen.



Inside the cab and behind the front seats, locate the four holes in the flange attached to the bottom of the partition.



// PARTITION INSTALLATION

Use the flange as a template and mark four holes on the floor with a paint pen.



Remove the partition from the van.

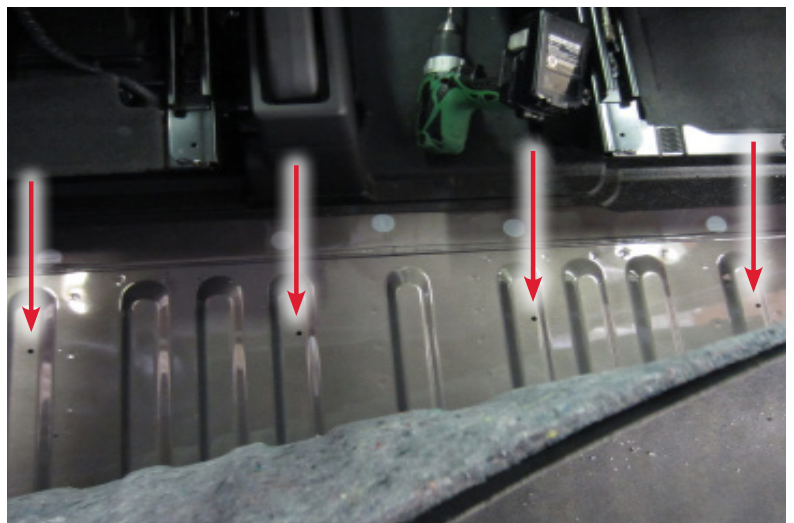
CAUTION! Use a collar on the drill bit whenever drilling through the floor.

Drill 17/32" holes in the 7 marked locations from previous steps.



Peel back the floor mat or carpet (if so equipped) and install 5/16-18 rivnuts into the four holes that were just drilled.

*If equipped with HD wooden floor, use 1.125" hole saw to open up wood only to allow rivnut gun to clear.



// PARTITION INSTALLATION

Locate the three holes previously drilled in the roof brace.



Install an 5/16-18 rivnut in each of the three holes.

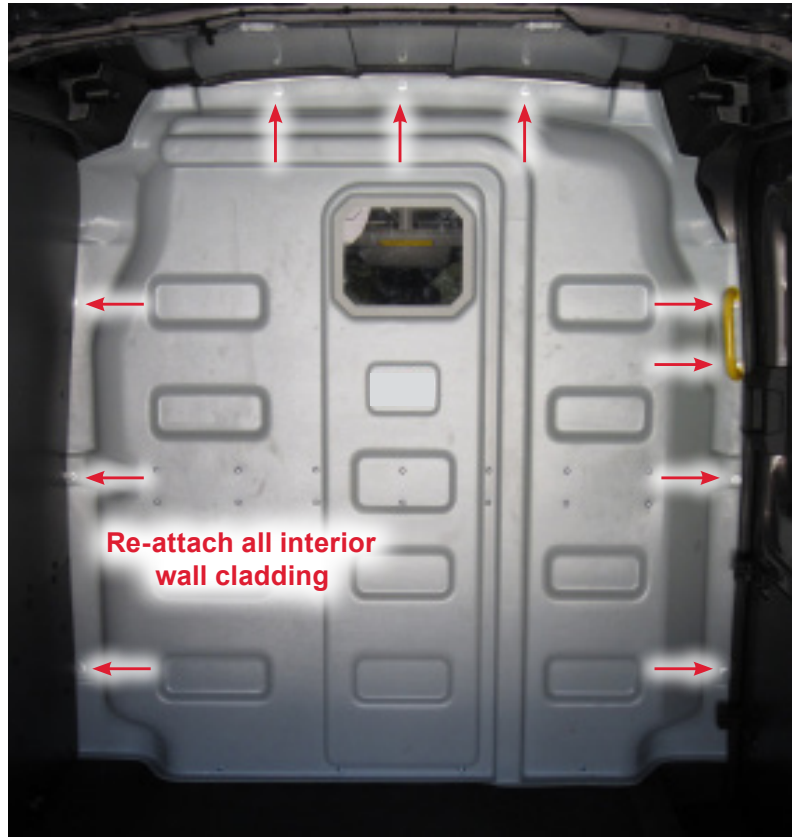


// PARTITION INSTALLATION

Secure the partition to the left B-pillars and the roof brace with 5/16-18 whiz bolt & sealing washer hex bolts and flatwashers provided in the hardware kit. Re-attach all interior wall cladding.

Secure the partition to the right side with M6-1.00 x 25 bolts and sealing washers in lower 2 holes.

Torque 5/16-18 bolts to 12 ft.-lbs. (+/-1 ft.-lb.) and M6-1.00 bolts to 6 ft.-lbs. (+/-1 ft.-lb.)



Re-attach the grab handle(s) with M6-1.00 x 40 bolts from supplied hardware kit.

Torque to 6 ft.-lbs. (+/-1 ft.-lb.).



// PARTITION INSTALLATION

Secure the “L” bracket to the floor with 5/16-18 bolts.

Torque to 12 ft.-lbs.(+/-1 ft.-lb.)





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