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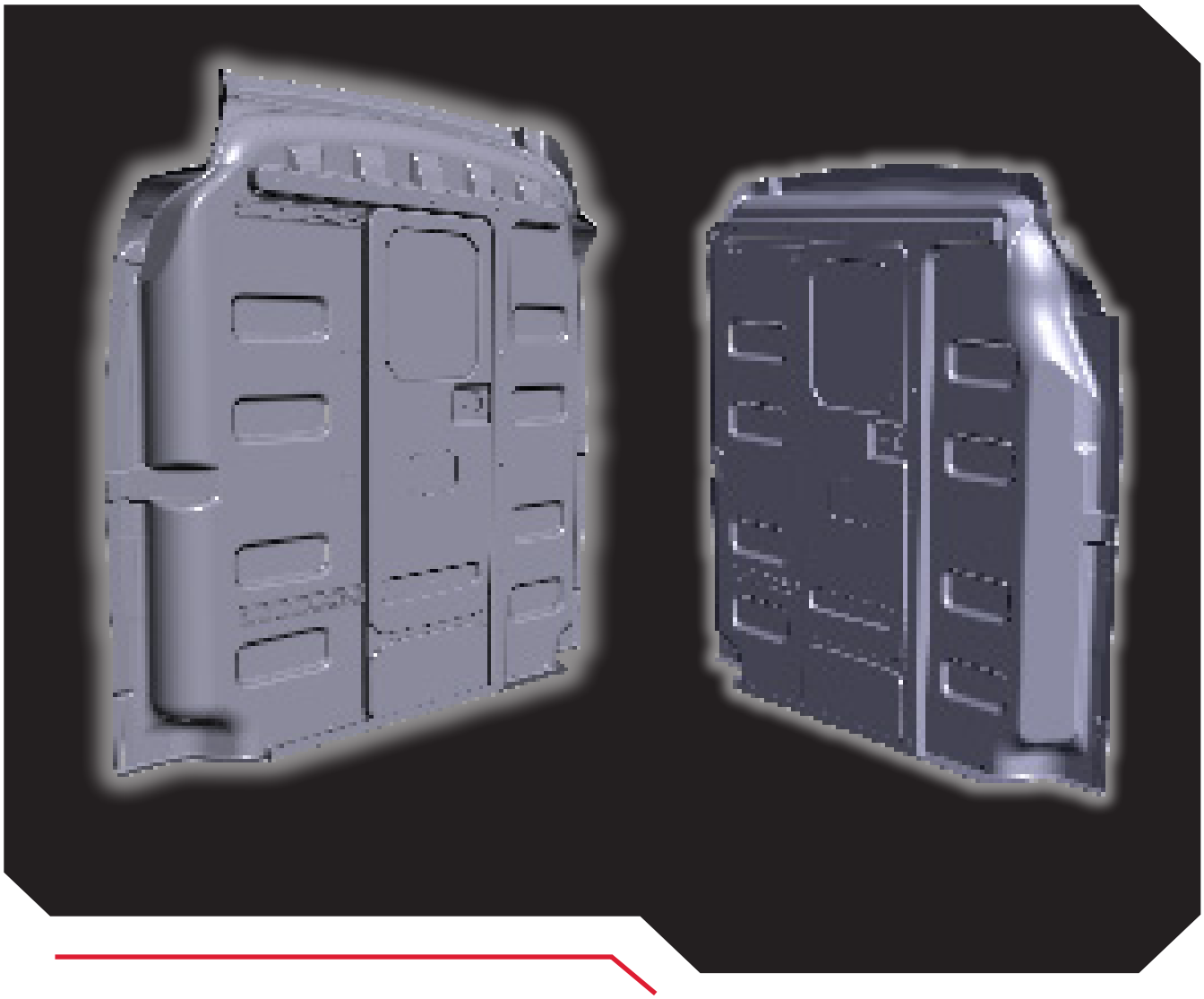
// KNAPHEIDE VAN EQUIPMENT

FORD TRANSIT HIGH ROOF AND MEDIUM ROOF PARTITION WITH A DOOR INSTALLATION INSTRUCTIONS



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INTRODUCTION

The following instructions detail the procedure for installing a Knapheide ABS Partition with a door 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

(7) Whiz Bolt
1/4-20 x 1.50
Part# 31484070

(2) Whiz Bolt
M6 x 40
Part# 31568920
(Qty of 4 if Double Slide Door)

(2) Flange Bolt
M6 x 25
Part# 31568910

(6) Flange Bolt
5/16-18 x 1.00
Part# 31774820

(7) Ribbed Riv-nut
1/4-20
Part# 57904110

(10) Rivnut
5/16-18
Part# 50903910

(8) Sealing Washer
.43 x 1.00
Part# 12051132

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 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.

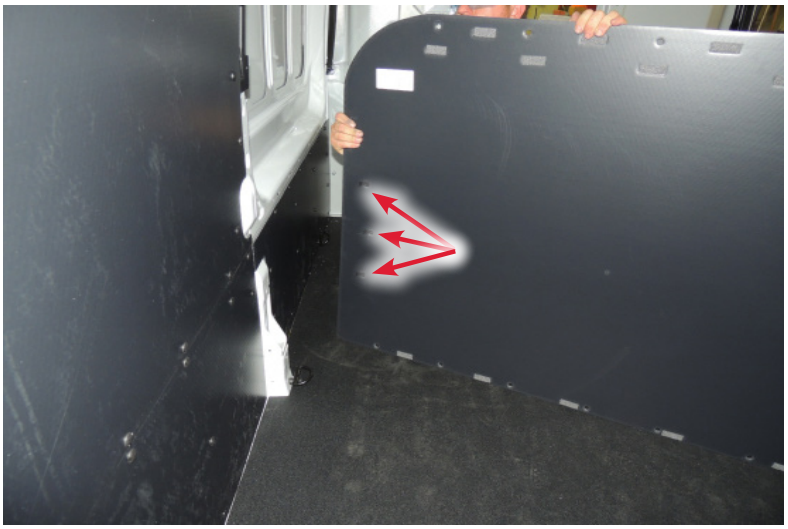
WARNING!
For E-transits, review the Ford Body Builder Layout book and Body Equipment Mounting Manual for applicable no drill zones, fastener clearance information, electrical and sub-system routing information, etc. Note that care should especially be taken when drilling through the floor that proper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

Prior to installing the partition in the van, remove both D-rings.

Remove the grab handle and retain it for later re-installation.

Use a small pry bar to carefully remove the plastic fasteners on the street side upper wall panel. Retain all fasteners for re-use.

Do not remove the (3) fasteners with retaining clips located along the front edge of the panel.



Remove the metal bracket located along the street side B-pillar. Also retain this bracket and fasteners for re-use.

Remove the retaining clips from the B-pillar and discard.

Load the partition into the van cargo area.

Position the partition in the van. Tilt the top of the partition forward and slide the bottom firmly in place all around.

NOTE: The partition must fit firmly in place prior to marking mounting holes to be drilled in the van structures.

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

Partition (without door) Shown Cab Side Up

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

Partition (without door) Shown Cab Side Down

Use a white paint pen to mark hole drilling locations in the floor.

Be sure to mark hole locations in the doorway threshold.

Use a dark marker to indicate hole drilling locations in the street side B-pillar.

Also mark hole drilling locations in the roof crossmember along the top of the partition

Remove the partition from the cargo area.

WARNING!
Prior to drilling into any part of a vehicle, install a drill bit collar on the drill bit at the minimal required cutting depth.

Use a 17/32” drill bit equipped with a drill bit collar to drill mounting holes through the street side B-pillar at the locations indicated here.

Use a 17/32” drill bit equipped with a bit collar to drill through the van crossmember in marked locations.

Install (3) 5/16-18 riv-nuts in the B-pillar.

Install 5/16-18 ribbed riv-nuts in each hole.

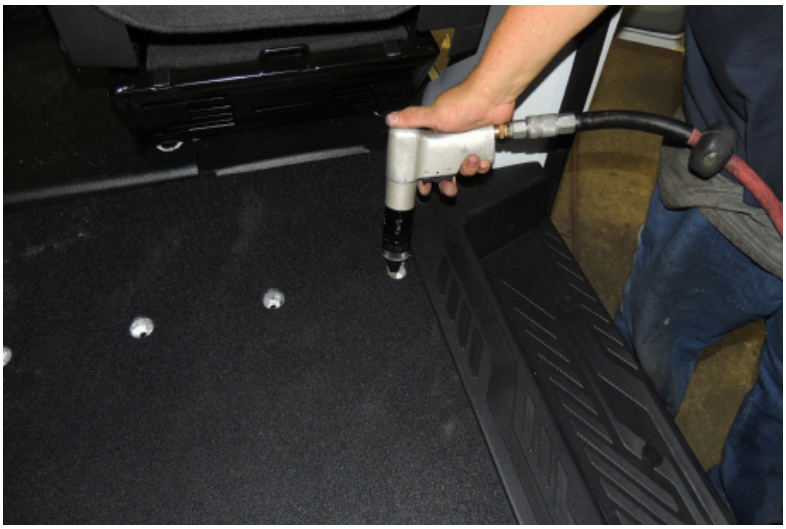
Use a drill bit equipped with a stop collar to drill pilot holes through the van floor mat or HD floor ONLY! Make sure the holes are centered on top of the floor ribs.

DO NOT DRILL THROUGH THE METAL FLOOR OF THE VAN AT THIS TIME!

Use a 1¼” hole saw to cut holes through the floor mat or HD floor ONLY in the pilot holes.

Use a 25/64” drill bit with a stop collar to drill holes through the van floor in each location.

Install 1/4-20 riv-nuts in each hole.



Reposition the partition in place in the cargo area.

Secure the partition to the street side B-pillar with 5/16-18 x 1.00 flange bolts.

Torque each bolt to 12 ft.-lbs. +/- 1ft.-lb.

Secure the partition to the curb side B-pillar with M6 x 25 flange bolts.

Torque each bolt to 6 ft.-lbs. +/- 1ft.-lb.

Re-install the grab handle with M6 x 40 flange bolts.

Torque each bolt to 6 ft.-lbs. +/- 1ft.-lb.

Secure the top of the partition with 5/16-18 x 1.00 flange bolts.

Torque each bolt to 12 ft.-lbs. +/- 1ft.-lb.

Re-install the wall panel metal bracket on the street side B-pillar.

Re-install the wall panel with the original plastic retainers.

Re-install and tighten the threaded fastener at the rear of the wall panel.

Secure the bottom flange and threshold of the partition to the floor with 1/4-20 flange bolts.

Torque each bolt to 6 ft.-lbs. +/- 1ft.-lb.

Re-install the D-rings and the installation is complete.

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