

Pareto

Aluminum Systems


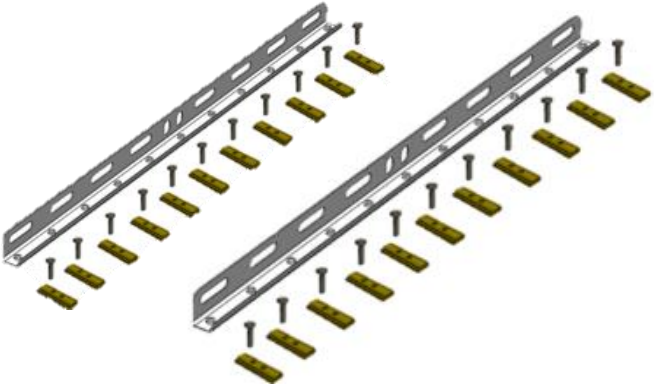






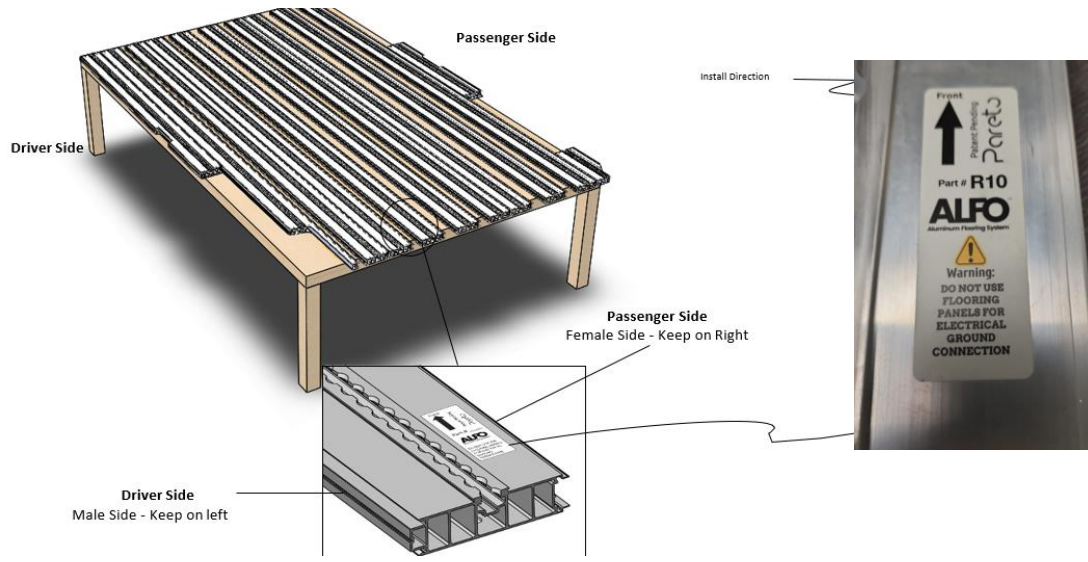



ALFOTM

Aluminum Flooring System

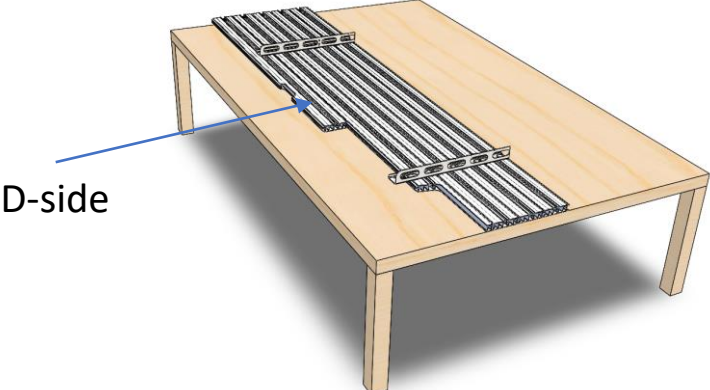

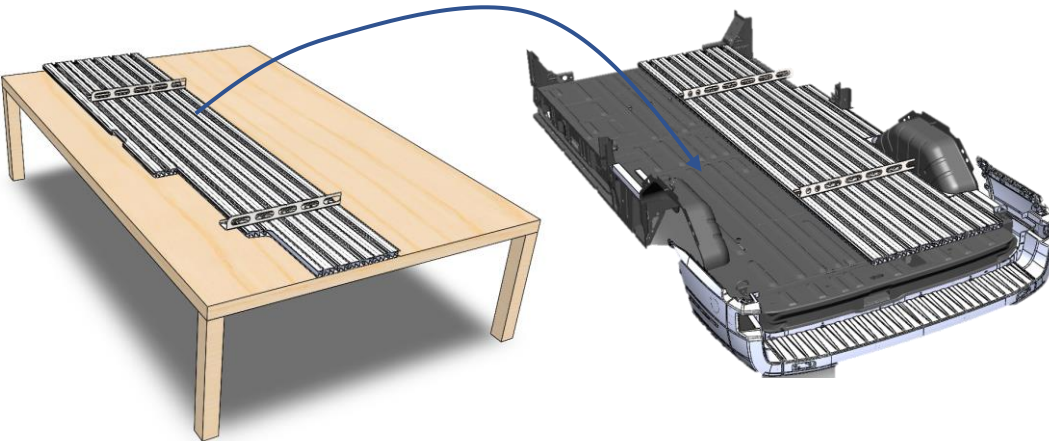
www.paretoas.com

ALFO 2.0 Installation Guide

#	Description	Picture	#	Description	Pictures
1	9/16" Drive Head for 3/8" Bolt		4	Alignment Hangers 2 Sets	
2	Standard 3/8" Drill Bit Special 3/8" x 18" Drill Bit		5	Gerflor Template	 <p>Trimming Template for Gerflor WB148, WB130</p> <p>Trimming Template for Gerflor</p>
3	Drill Drive		6	Scissor & Utility Knife	

#	Install Step	Description of the steps	Pictures
1	<p>Unbox the crate and place the panels on a worktable</p>	<ul style="list-style-type: none"> Check all panels availability as per the kit BOM available on the website. https://paretoas.com/alfo-kits/ Each panel has a unique part # printed on the label. Arrange the panels on table as defined on page #10-#18 (fig1.1-fig1.9) Ensure that the female side of panel is on the passenger side 	
2	<p>Attach ALFO spacer</p> <p> Ensure that the ALFO spacers are levelled with the floor ribs on the chassis floor.</p>	<ul style="list-style-type: none"> Glue or screw all ALFO spacers at the location shown in the picture. 2 holes need to be drilled on the spacer if it is required to be screwed with a self tapping screw <p> If glued, compress the glue until the top surface of the spacer aligns with the top surface of floor ribs on the van floor</p>	


#	Install Step	Description of the steps	Pictures
3	<p>Connect the passenger side 6 panels</p> <p>Use hangers to align the holes on all panels</p> <p>Ensure that the holes are aligned across panels. Pareto's flexible legs cannot be used if holes are not aligned.</p>	<ul style="list-style-type: none"> • Connect 6 panels starting from the passenger side (P-side), layout shown in page #10-#18 based on the type of kit(Fig 1.1-Fig 1.9). • Unless installing the full kit at a time, cut both hangers in two parts as shown in picture • Install the hangers with manual foot inside every L-tracks, this is important for aligning holes across panels • Ensure that the passenger side panel is installed in accordance with the dimensions shown in Fig 2.1- Fig 2.5 • Hangers not only aligns holes, but also keeps the panels together during installation and bolting in the van 	
4	<p>Take the passenger side (P-side) section in the van.</p> <p>Use gloves to lift</p>	<ul style="list-style-type: none"> • Lift the P-side section, and put it inside the van on the passenger side • Ensure that there is enough space left on passenger side to install foam sticks and foam corners. • Adjust the forward and cross car direction as required. 	

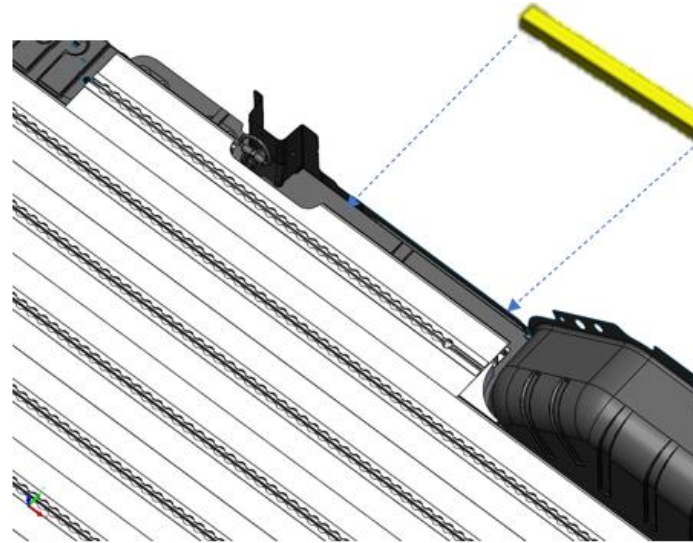
#	Install Step	Description of the steps	Pictures
5	<p>Connect the driver side panels.</p> <p>Use hangers to align the holes on all panels</p>	<ul style="list-style-type: none"> Connect 5 panels starting from the driver side(D-side), layout shown in page #10-#18 base on the type of kit(Fig 1.1-Fig 1.9). Install the hangers with manual foot inside every L-tracks, this is important for aligning holes across panels. 	
6	<p>Take the driver side (D-side) section in the van</p> <p> Use gloves to lift</p>	<ul style="list-style-type: none"> Lift the section and put it inside the van on the driver side (D-side) 	

#	Install Step	Description of the steps	Pictures
7	<p>Connect the P-side and D-side panels as shown in figure.</p> <p>Pareto's flexible legs cannot be used if the holes are not aligned.</p>	<ul style="list-style-type: none"> Lift D-side section and fit it into the P-side section as shown in the picture, ensure that after installation there is no visible gap Adjust the 2 sections, forward or backward, until the holes are aligned across the adjacent sections. Inspect the hole alignment with the locating Pod at multiple places as shown. 	<p>ROTATE D- Side TO fit TO P-side</p> <p>D-side</p> <p>P-side</p> <p>Locating PODs</p>

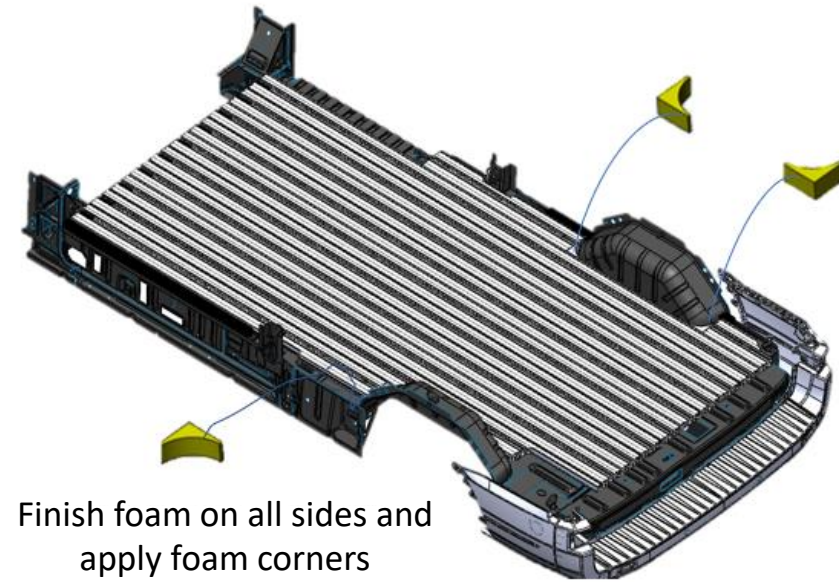
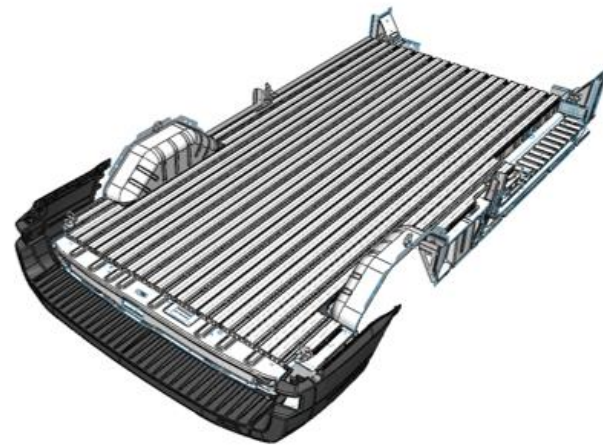
Put the foam sides and foam corner as shown in the picture

10 Fit with foam



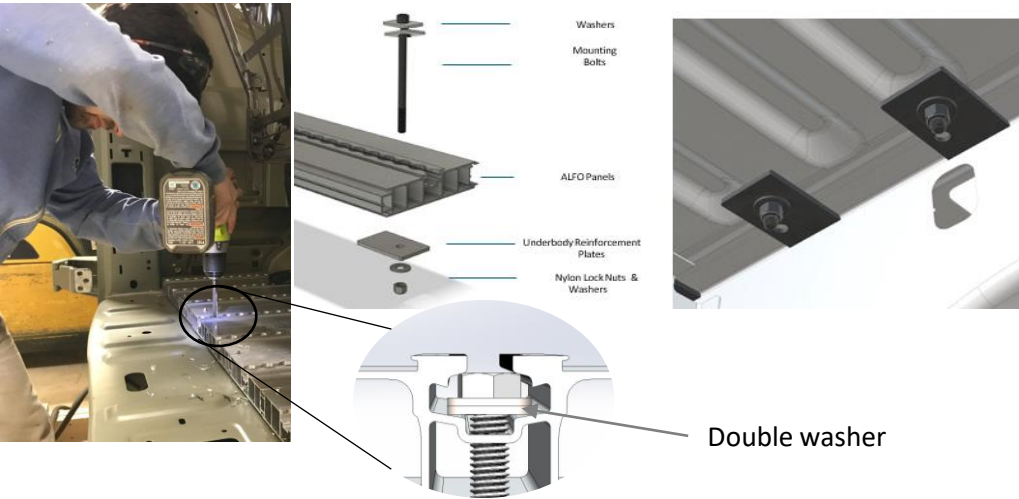
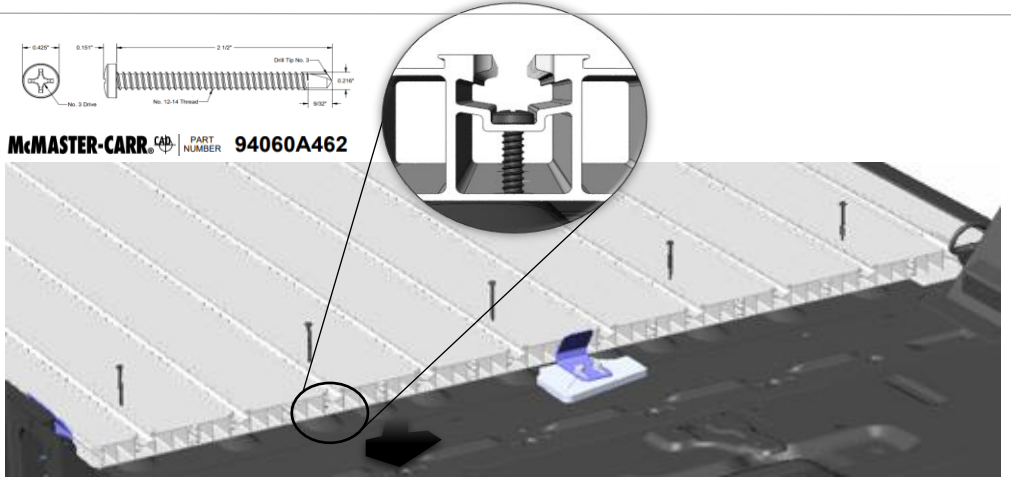
 Use gloves while cutting the foam



Use EPP foam of 3/4" to fill the gaps (included in kit)



Finish foam on all sides and apply foam corners

#	Install Step	Description of the steps	Pictures
8	<p>Drilling, bolting at rear</p> <p> Ensure that a bolt is inserted after drilling each hole to restrict the movement of the floor while drilling the next hole.</p> <p> Ensure that double washers are used on the top and the bolts are tightened with a torque of 60 Nm</p>	<ul style="list-style-type: none"> • Do not uninstall the hanger until step 9 is completed. • Drill the OEM body using the through holes at the rear end of the panels. • Based on the type of floor, use specific bolts length at specific locations as shown in page #10-#18 (fig 1.1- fig 1.9) • For installation on Ford transit, at 12" bolt location, remove bumper brackets and shown in page #22 (fig 4.1) • Tighten the nuts with underbody reinforcement plates and washers. 	
9	<p><u>Non-Electric Vehicles:</u> Use only self tapping screws.</p> <p><u>Non-Electric Vehicle with foldaway adaptor plate:</u> Self tapping screw with 1 additional bolt in front</p> <p><u>Electric Vehicles:</u> Use only 2 feet of glue in the front</p>	<ul style="list-style-type: none"> • Use self tapping screws in the front of the panels as shown in the picture. • Ensure that the head of the self tapping screw's sits inside the groove and does not come in the way of moving a manual foot in the L track. • For electric vehicle, use Sika 252 or Sika 255 in a 24-inch section, over the floor stiffening ribs as shown in the figure 3.1 (Page 21) 	 <p>McMASTER-CARR PART NUMBER 94060A462</p> <p>Note :</p> <ol style="list-style-type: none"> 1. For electric transit, self tapping screws should be replaced with glue, refer to page #21 (fig 3.1) 2. For standard vans, use 1 qty of 7" bolts on the driver side front, refer to fig 1.1-fig 1.9

#	Install Step	Description of the steps	Pictures
11	Peel and stick the Gerflor	<ul style="list-style-type: none">• Ensure that all foam sides and corner foams are in place before sticking Gerflor• Clean the surface of the panel with rubbing alcohol• Peel the Gerflor and stick it on the floor• Use Gerflor templates to cut the Gerflor for wheel well and C pillar areas• Using scissors instead of knife, to cut -wheel well and C pillar area, enable safer, faster and better-perceived quality.	<p>Align the template on the center of Gerflor</p> <p>Mark and cut</p> <p>TP01</p> <p>TP02</p> <p>TP03</p> <p>Mark and cut</p> <p>Mark and cut</p> <p>Slot to mark cut line for A/C Blower</p> <p>14.25"</p> <p>Cutting template T02 for WB130 & WB148 only</p>

Figure 1.1

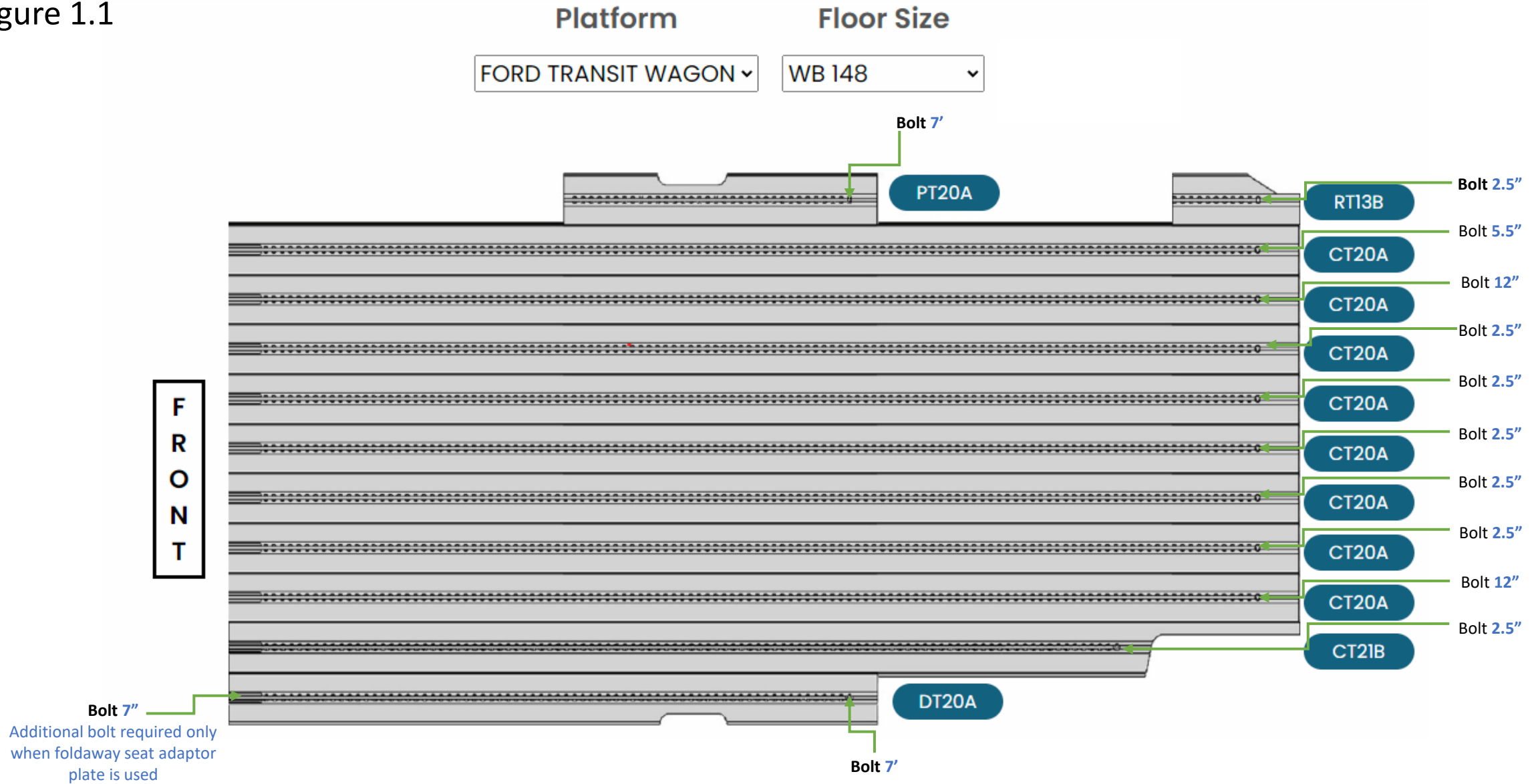


Figure 1.2

Platform

Floor Size

FORD TRANSIT WAGON ▾

WB 148 EL-DRW ▾

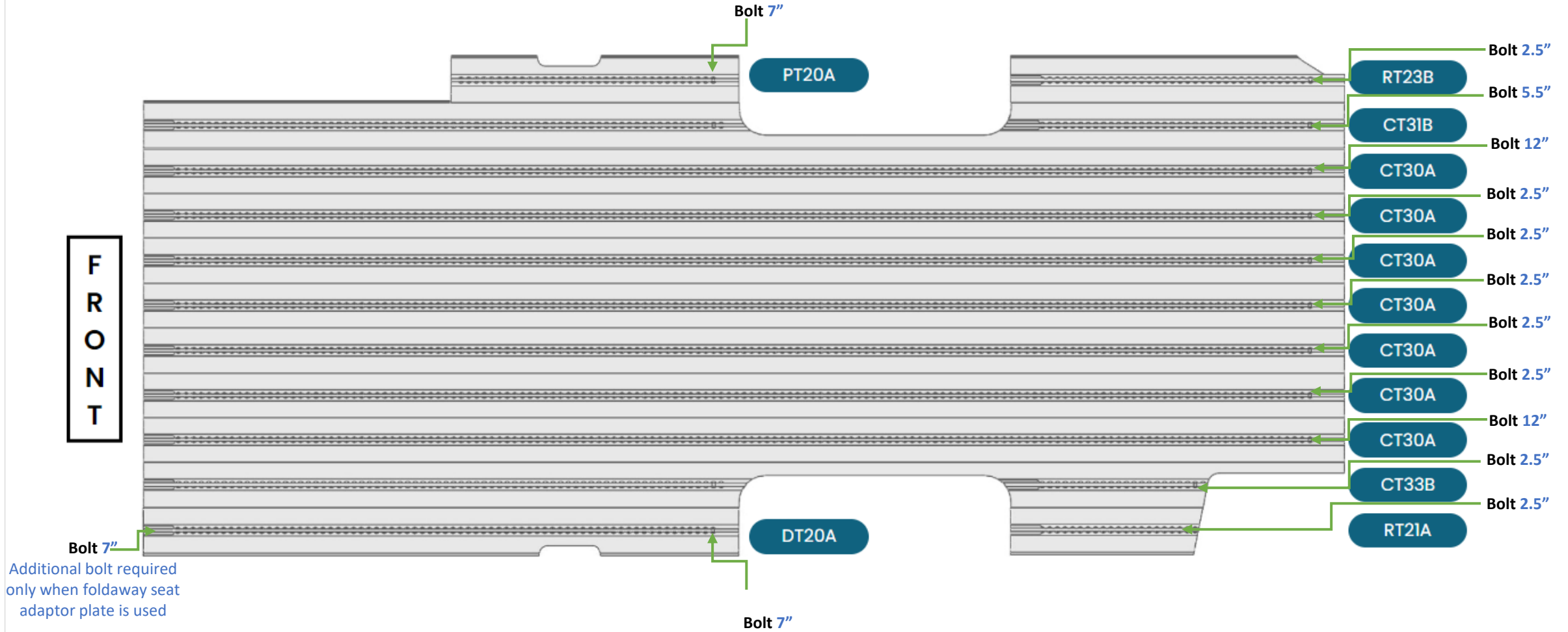


Figure 1.3

Platform **Floor Size**

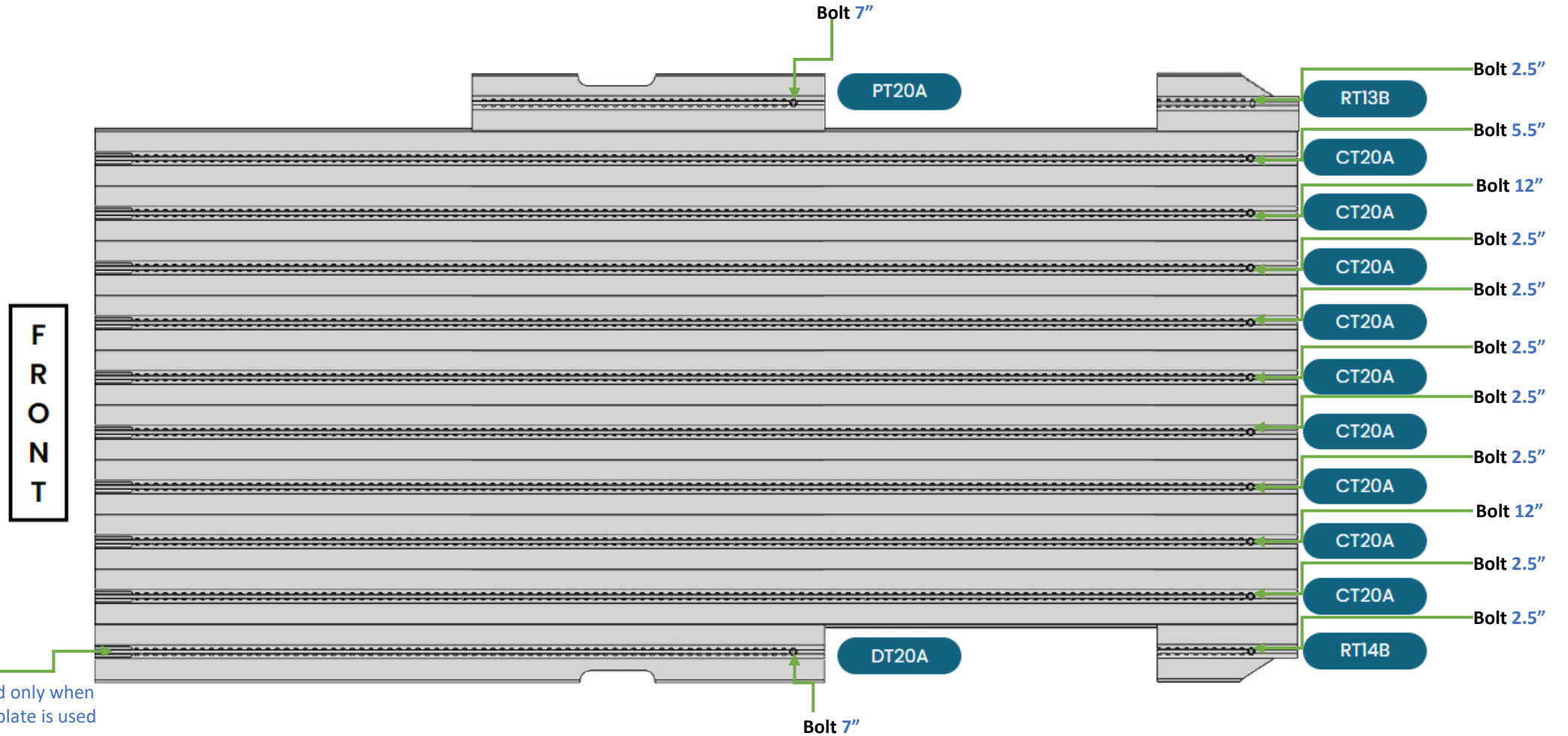


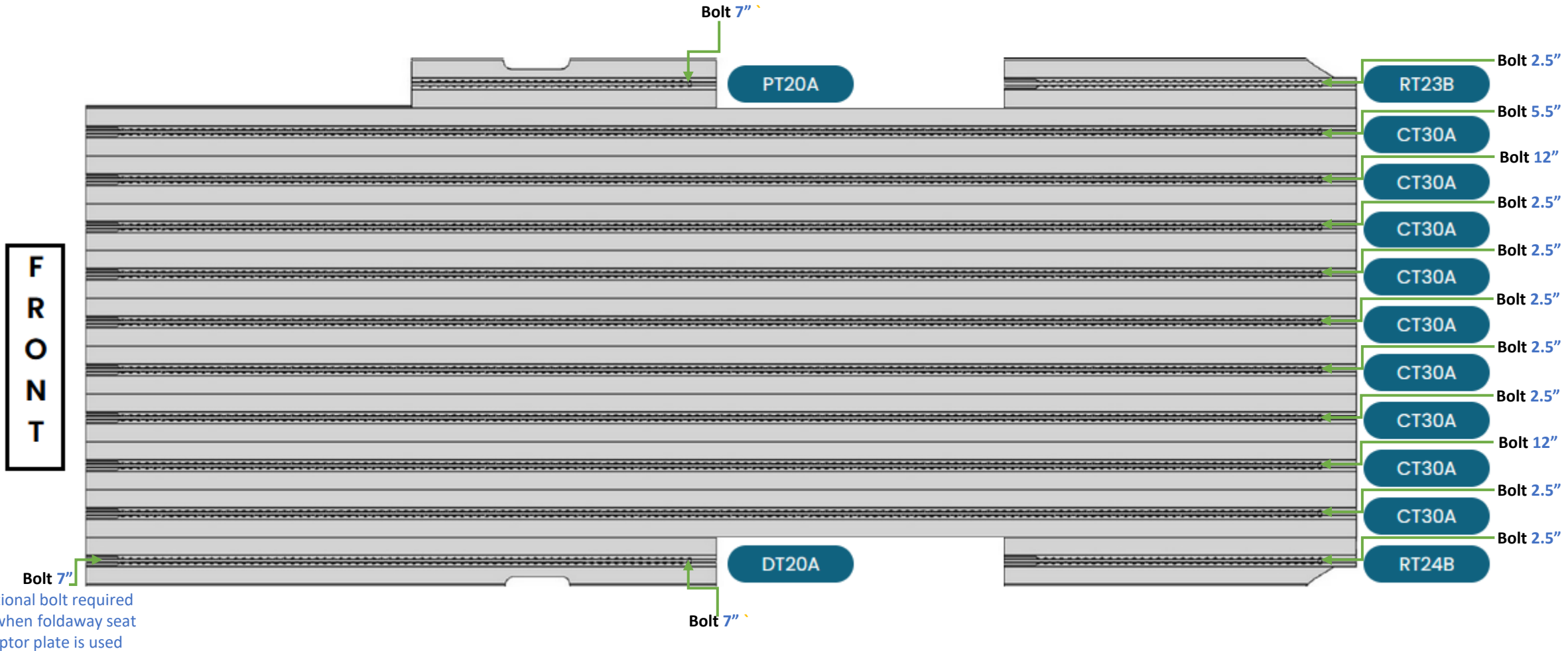
Figure 1.4

Platform

Floor Size

FORD TRANSIT CARGO

WB 148 EL



Additional bolt required only when foldaway seat adaptor plate is used

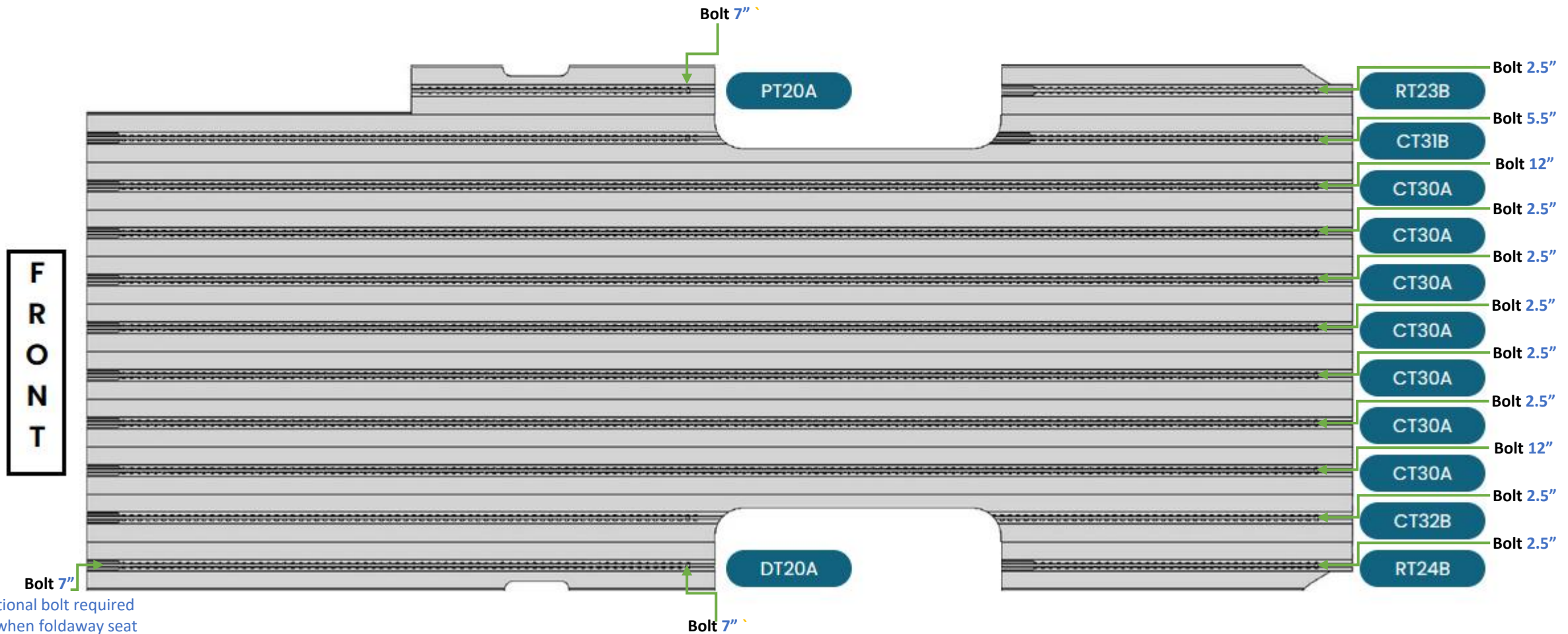
Figure 1.5

Platform

Floor Size

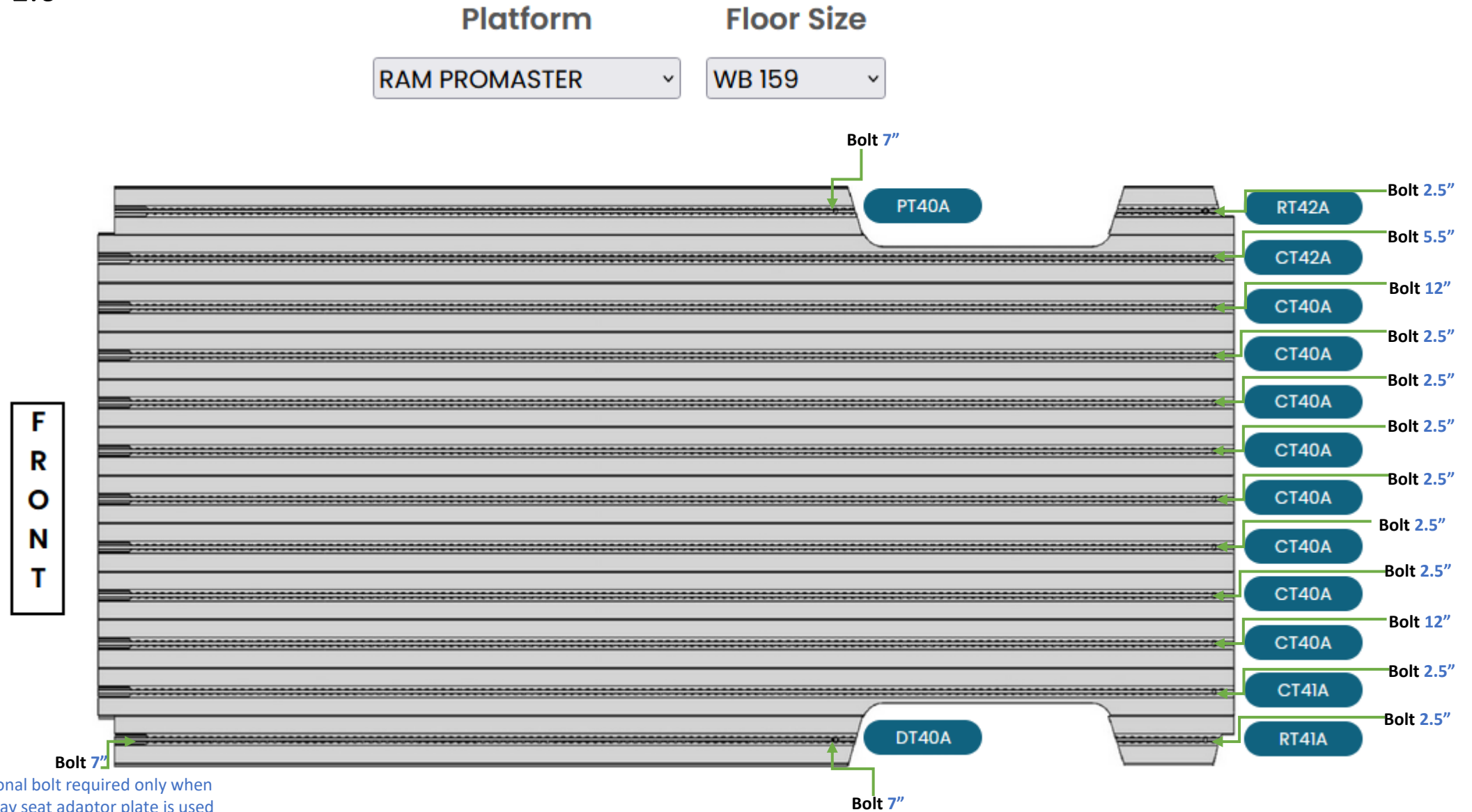
FORD TRANSIT CARGO

WB 148 EL-DRW



Additional bolt required only when foldaway seat adaptor plate is used

Figure 1.6



Additional bolt required only when foldaway seat adaptor plate is used

Figure 1.7

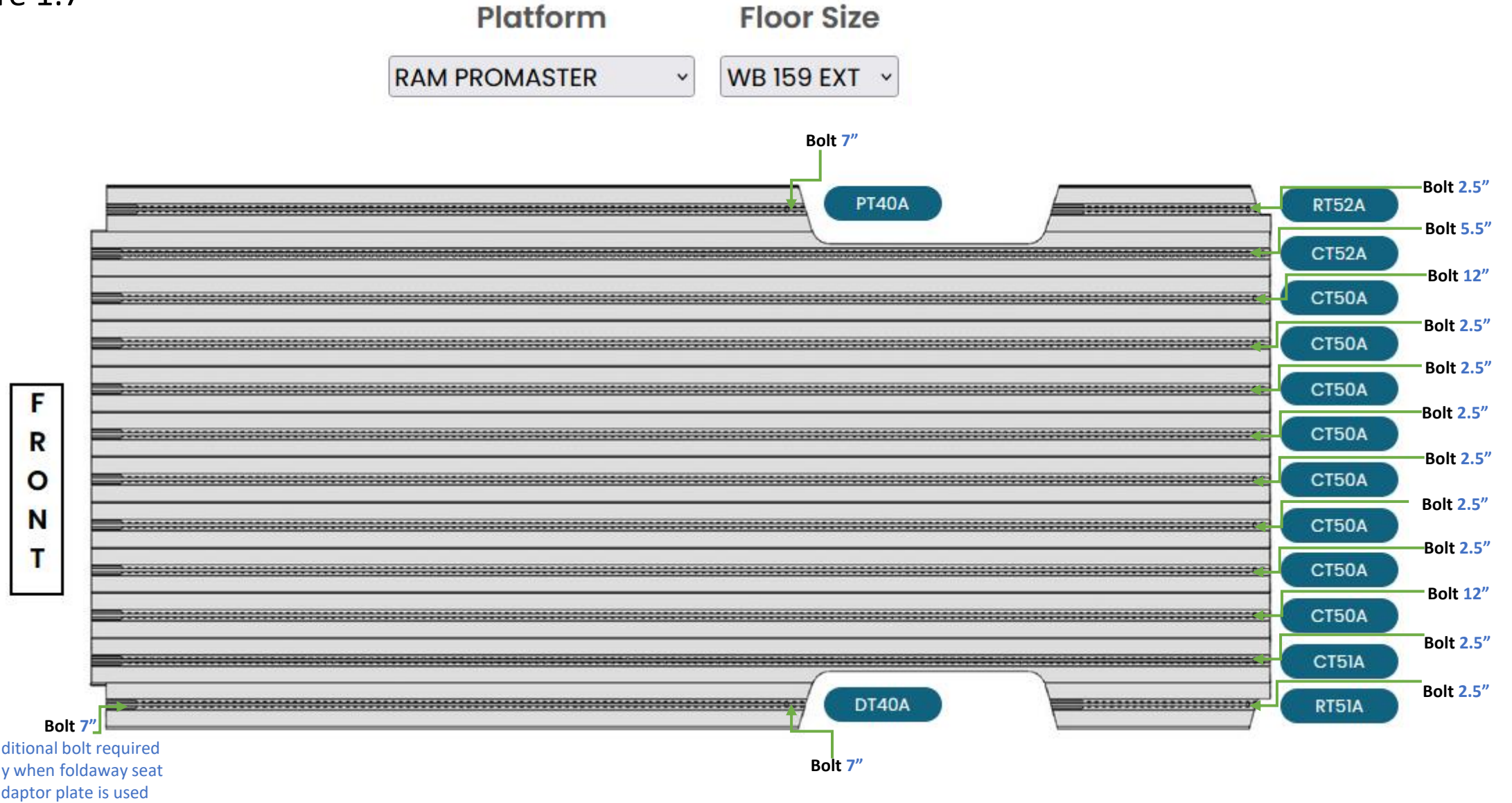


Figure 1.8

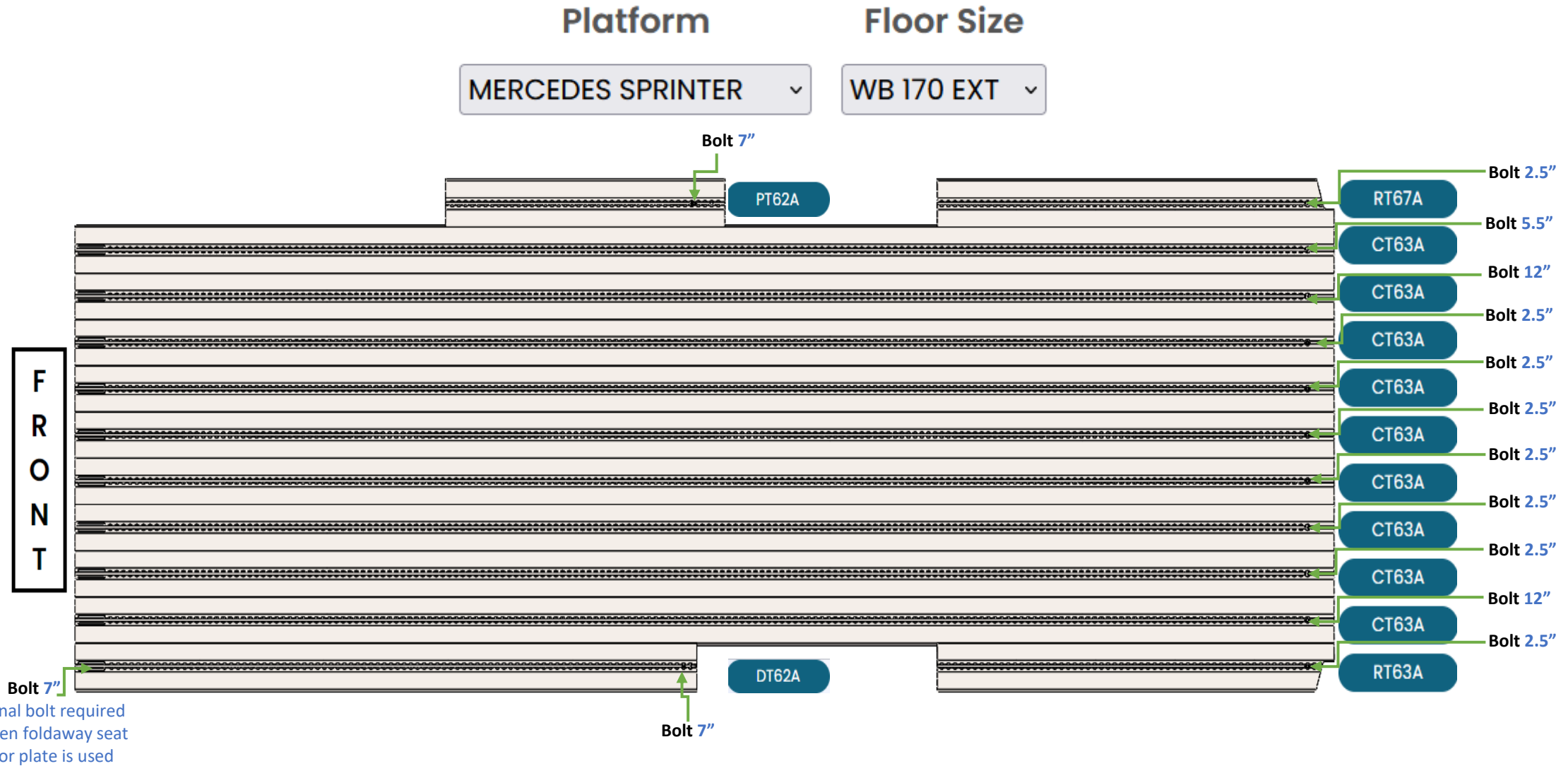


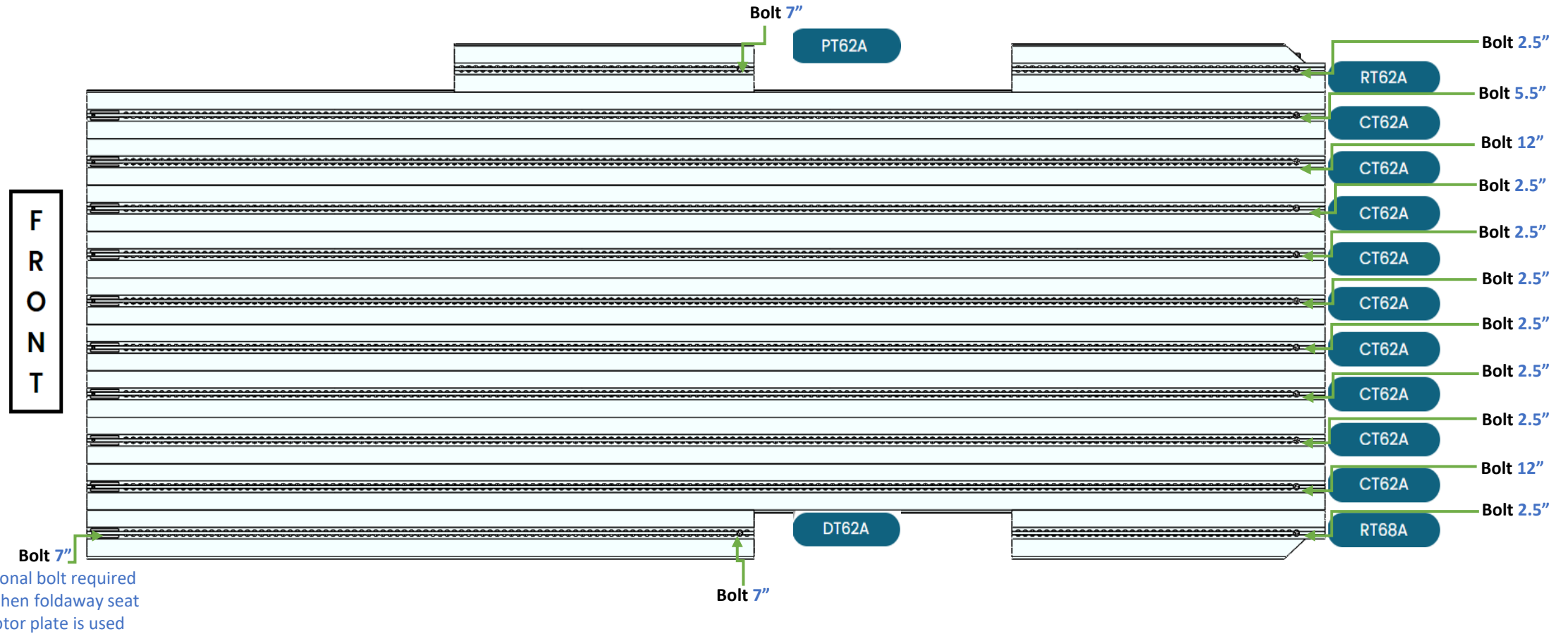
Figure 1.9

Platform

Floor Size

MERCEDES SPRINTER

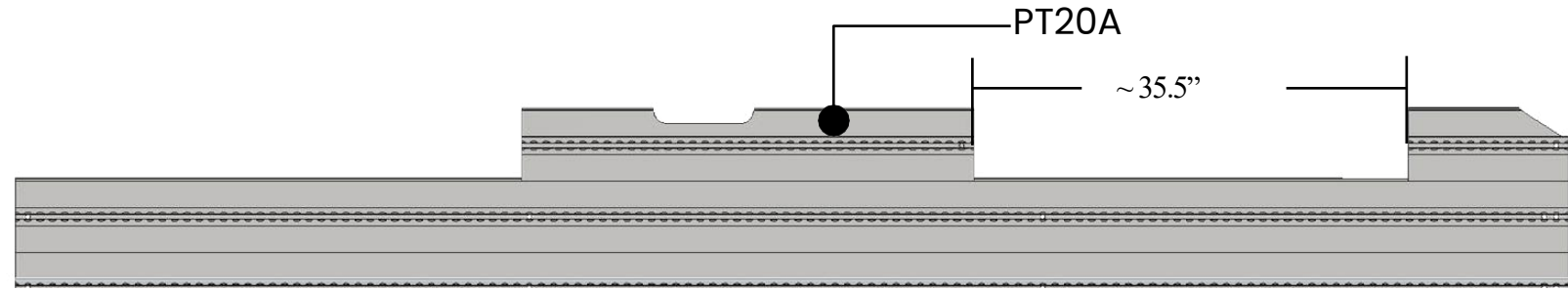
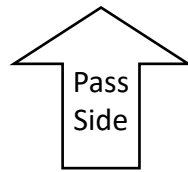
WB 170



Description of the steps

Figures

Figure 2.1



Ford WB148 Kit

3.1

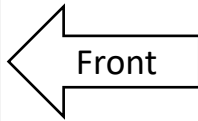
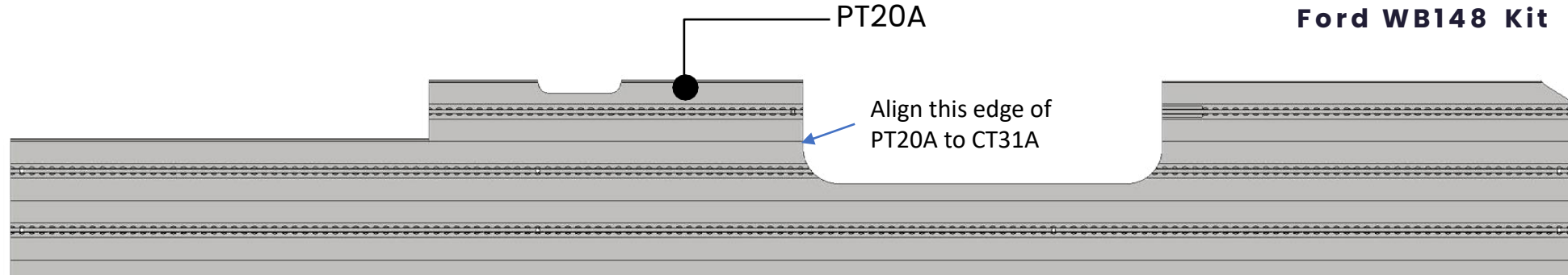
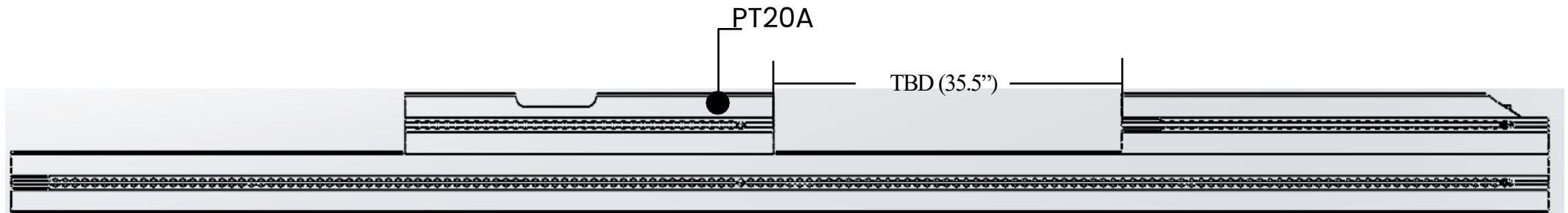


Figure 2.2



Ford WB148 EL DRW Kit

Figure 2.3



P-Panel Alignment

Ford WB148 EL Kit

Description of the steps

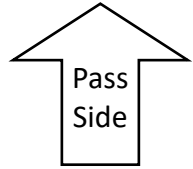


Figure 2.4

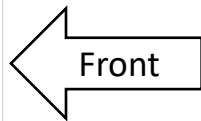
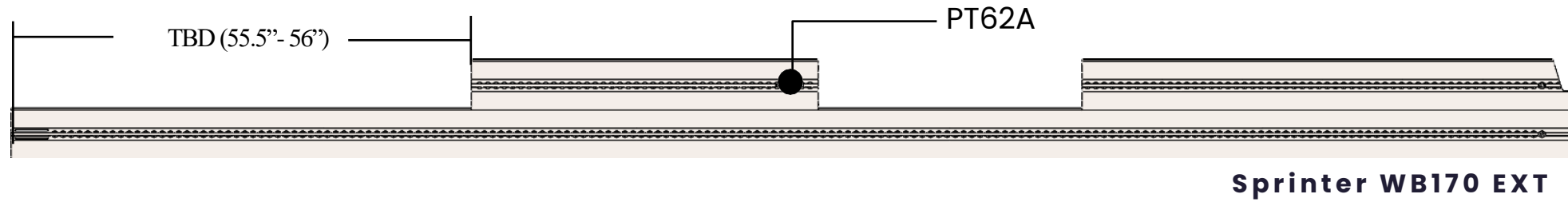
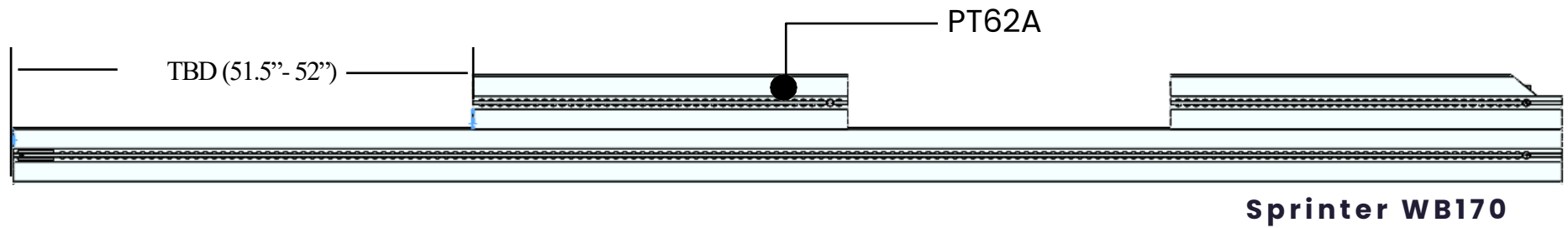


Figure 2.5



P-Panel Alignment

Figure 3.1

Location of the glue over ribs for electric vehicles
24" from the front, Ford WB148 only for reference

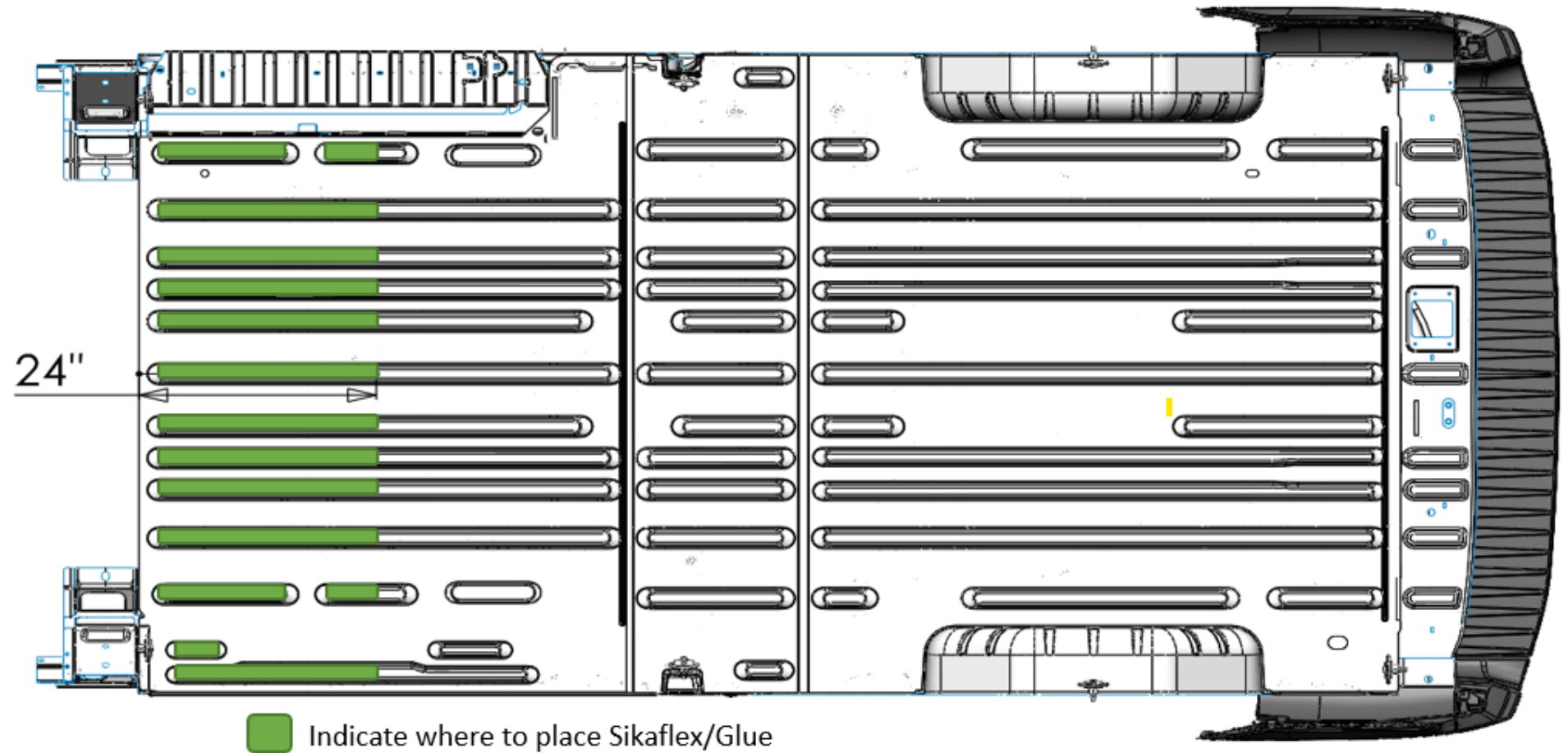


Figure 4.1

Removing bumper bracket Applicable for installation on Ford Vehicles only



To install the 12" bolt, the rear bumper must be lowered to access the bottom.
To lower the rear bumper, remove the 6" bolts highlighted with blue arrow. Unbolt one side at a time.

Next, slowly rotate the bracket low enough to access the bottom of 12" Bolt, then place 1 underbody reinforcement plate, washer and nut on the bolt and tighten to 55Nm. Remember to bolt only one side at a time



Do not unbolt both sides of bumper bracket, if both sides are unbolted, the bumper will fall off increasing the time of installation.