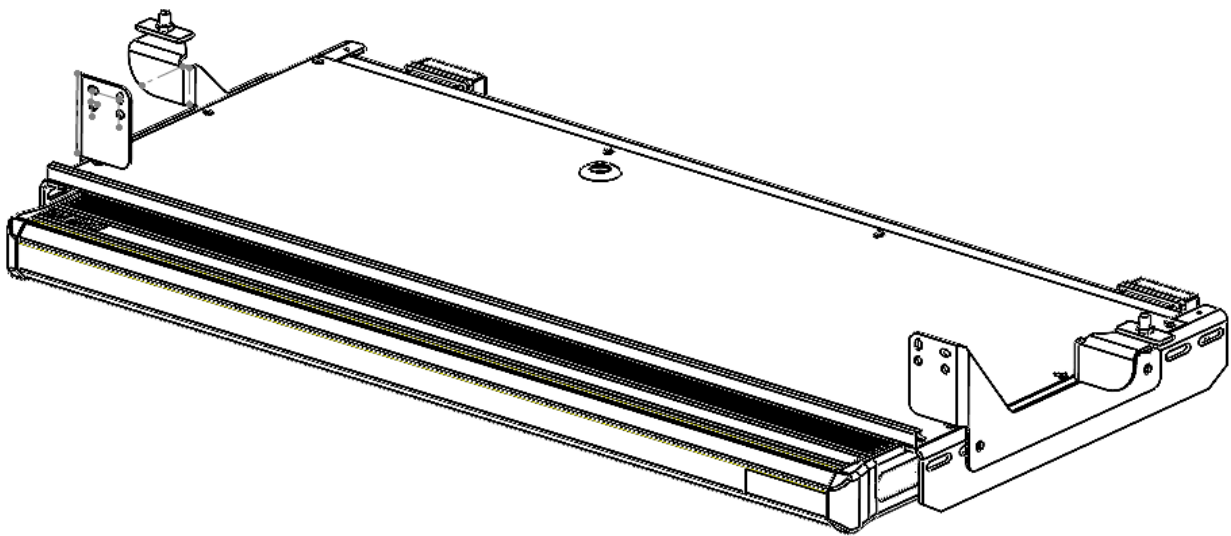


FL Step Installation in FORD E-Transit Following BEMM 2024

Mounting kit part nr S150 01 052



IMPORTANT; most pictures are made from a RHD vehicle where step is fitted at the Left side of the vehicle. For LHD and right side mounting mirror the pictures

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1 Introduction

Product description – Electrically Powered step for mounting externally under the vehicle floor.

This model has been designed specifically for the Ford eTransit.

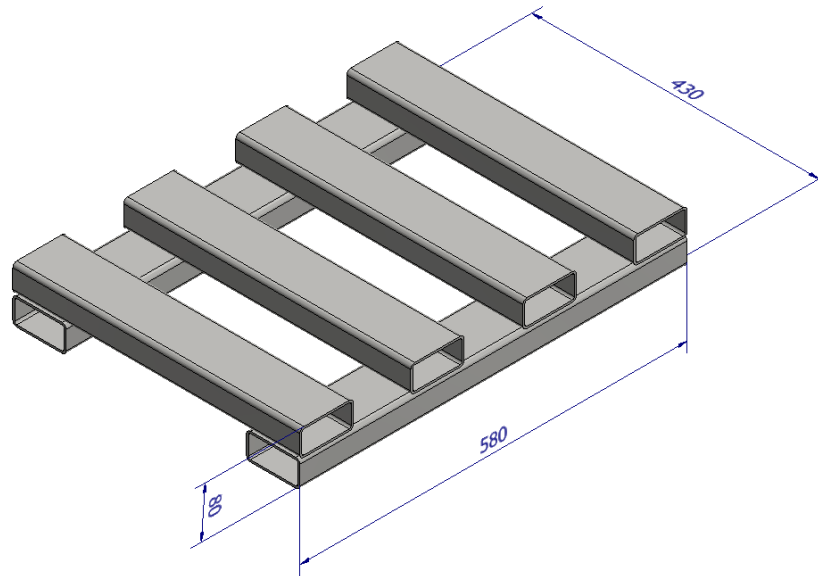
For it to comply with the Ford BEMM, the step mounting hardware is designed so that drilling or cutting of the vehicle valance / underfloor is only required at the places allowed by the Ford BEMM 2024.

2 Tools Required

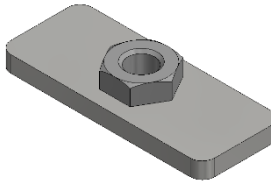
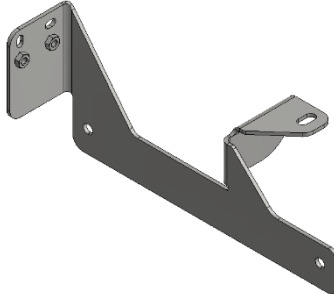
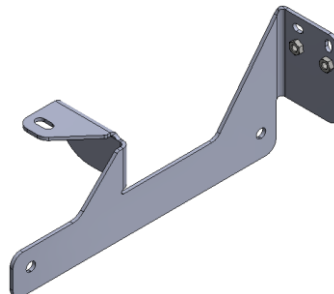
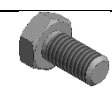
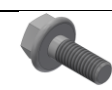
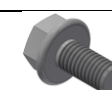
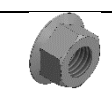
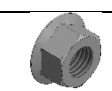


- Magnetic Pick-Up Tool, Small Screwdriver (or drift pin)
- Ratchet Wrench, 10mm 13mm Sockets, Short Extension (not shown)
- 2 x 13mm combination wrench
- 2 x 10mm combination wrench
- Trim Pry Tool
- Also Required
- Torque Wrench.
- Drilling machine with 6,5 mm drill (not on picture)

Pallet Truck with support frame. The frame should be slightly smaller than the footprint size of the step and high enough to allow the step to be raised into place below the vehicle valance.
Image depicts advised frame, could be constructed from wood or steel.



3 Parts List

Parts in KIT S150 01 052					
Fitting Brackets				Under Floor Nut Plate M8	
S150 404 x1		S150 405 x1		x2	
FRONT (of vehicle) OR LEFT (of step)		REAR (of vehicle) OR RIGHT (of step)			
					
Corresponding Fasteners From standard Mounting kit of the step !!					
Qty 4 M8 x 16mm Hex Bolt Qty 4 M8 Flange Nut		Qty 4 M6 x 16mm Flange Bolt Qty 4 M6 Flange Nut		Qty 2 M8 x 20 mm Serrated Flange Bolt	
4 x		4 x		2 x	
4 x		4 x			

4 Convertor to Operator Warning

The Convertor / Bodybuilder must inform the Operator that the installation of this type of step will reduce the ground clearance of the converted vehicle compared to a standard Ford Transit.

5 Installation Warning

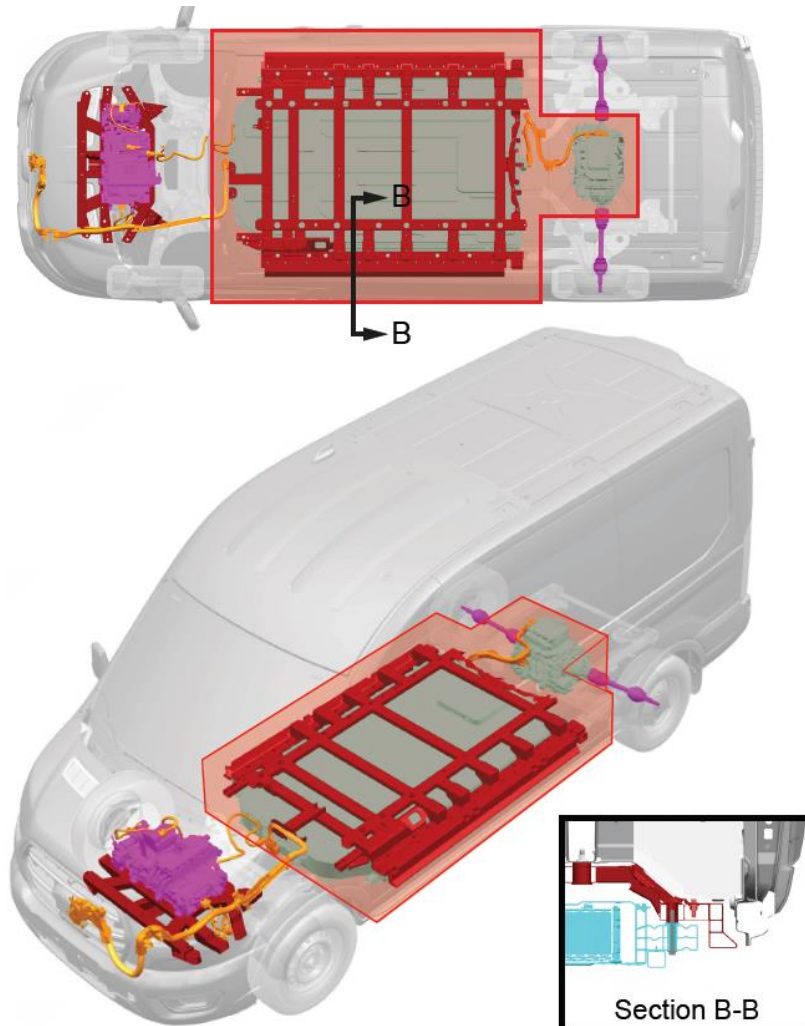
Installation should only be performed by a Vehicle Convertor / Body builder using trained competent technical staff.

All Vehicle Convertors working on BEV (Battery Electric Vehicle) variants should ensure they have read the latest version of the 04/2024 MY Transit and E-Transit BEMM (Body & Equipment Mounting Manual), which can be requested at Ford

Convertors are directed to work with “Section 1.3 – Commercial and Legal Aspects” of the BEMM:

1. The Vehicle Convertor should warrant its design, material, and construction for a period at least equal to any applicable Ford warranty.
2. The Vehicle Convertor must ensure any alteration made to a Ford vehicle or component does not reduce the safety, function or durability of the vehicle or any component.
3. The Vehicle Convertor shall be solely responsible for any damage resulting from any alteration made by the Vehicle Convertor or any of its agents to a Ford vehicle component.
4. The Vehicle Convertor releases Ford from all claims by any third party for any cost or loss (including any consequential damages) arising from work performed by a Vehicle Convertor.

Convertors are directed to “Section 5.1.5 – No Drill/No Weld Zones – BEV” of the BEMM 2024:

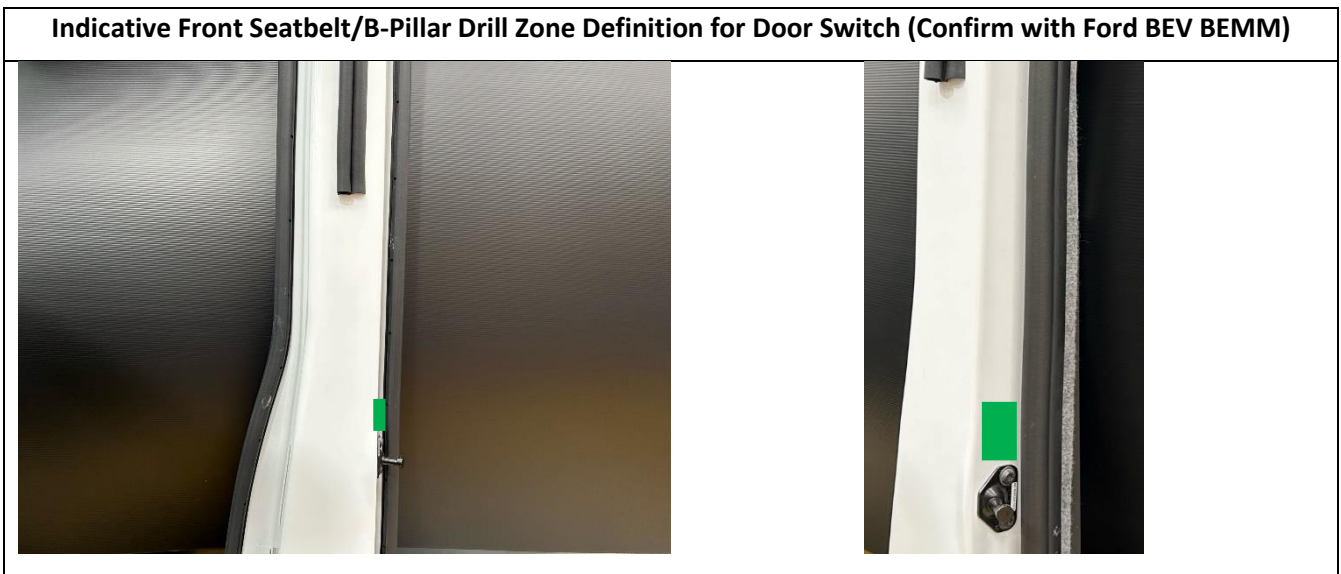


There are 2 important aspects to this section:

1. Drilling, welding, and other operations are not permitted in this zone to avoid accidental damage to the high voltage BEV components and to maintain the structural integrity of battery cradle and side impact bars.
2. Drilling or cutting in this zone is not permitted to avoid creating a gas path from the exterior of the vehicle (containing the HV components) into the interior, where occupants will be present.

Front Seatbelt/B-Pillar No-Drill Zone.

The B-Pillar contains the occupant seatbelt and associated components. It must not be welded. The safe drill zone is shown in green. The convertor is responsible for the correct fitting of step components and Electrics.



6 Fitting Instruction

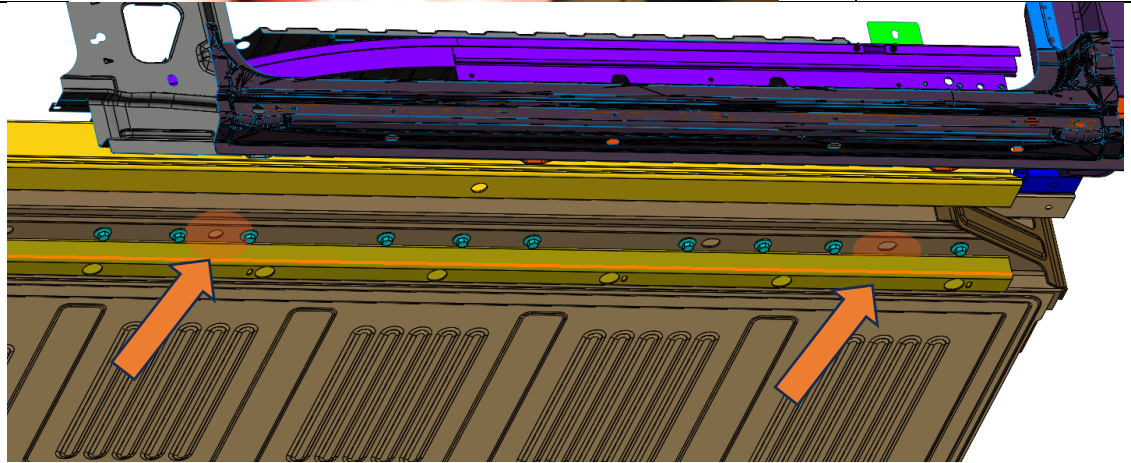
<p>Open Side Door, ensure latch is engaged</p>	
<p>Using trim pry tool, Remove the valance trim below the door.</p>	

AXS – FL Step Installation in E transit

Insert M8 Nut Plate into under floor channel - use the Magnetic Pick-Up Tool, Small Screwdriver (or drift pin) to help align.



Use these holes LHD picture



Install each fitting bracket – loosely using only inner fasteners (blue), Qty 2 M8 Flange Bolt.

Make sure the bracket sits inside the vehicle valance allowing you to mark the holes in the edge of the valance where you need to drill the holes for fitting. Note that since 2024 the BEMM allows drilling here.



The step is now ready to be offered up to the vehicle.

Place the step onto the pallet truck / installation frame. Roll it into place then raise up to the brackets.

Fasten the step to the brackets using
Qty 4 M8 x 16mm Hex Bolt
Qty 4 M8 Flange Nut.

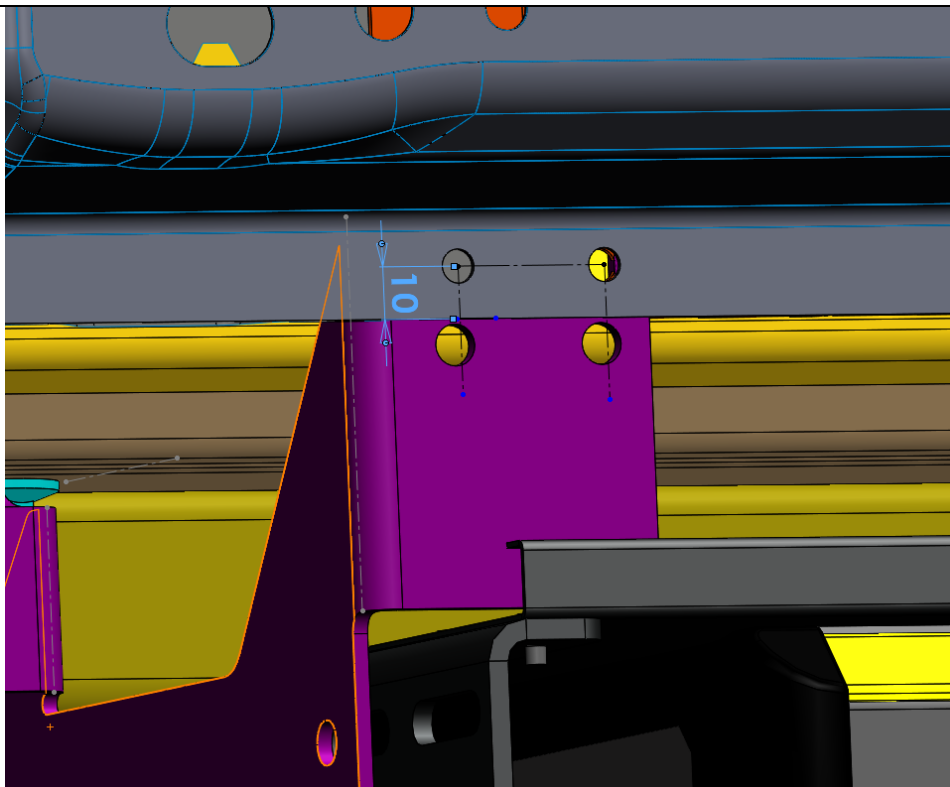


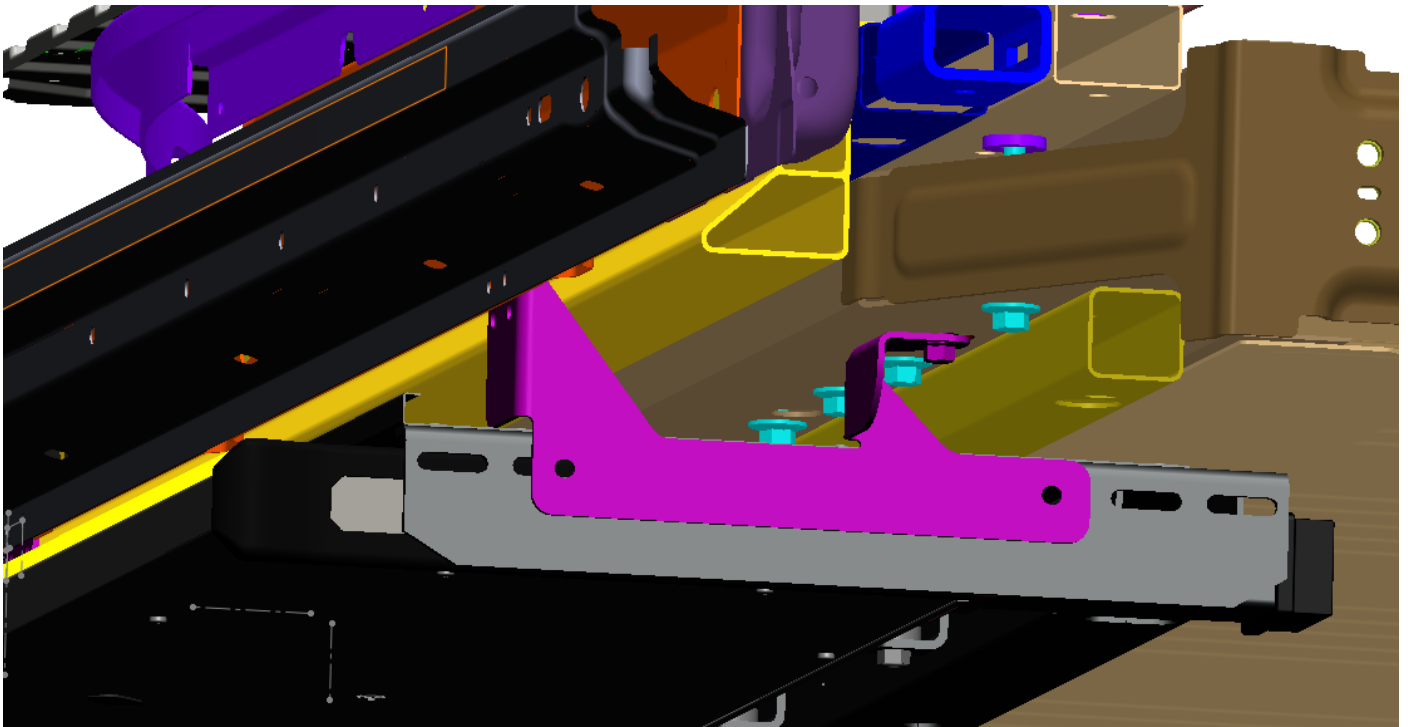
With the step fitted in the brackets drill 4 holes \varnothing 6,5 mm in line with the holes in the brackets 10 mm from the lower edge.

Then fix the brackets with 4x M6 flange bolt and nut from the original fitting kit from the step. All Fasteners can now be fully tightened.

M6 = 10 Nm
M8 = 24 Nm

Re-fit the Valance Trim





Final fitting of the step under the vehicle

7 Electrical Installation

Refer to the relevant section in the supplied condensed manual and the complete manual online on www.acdeos.com

The previously mentioned 'No Drill/No Weld zones' must be adhered to.

Guide the cable with 4 PIN connector to the front trough the tube channel and then up through the front wheel arch inside the vehicle
Leave the 4 PIN connector inside the tube and put a piece of PU foam in the front of the tube to protect the connector for water spray from the front wheel.

