

TB 158

TECHNICAL BULLETIN

INFORMATION ONLY

For the Attention of : Service Engineers, Installers, Trade Customers, Training Dept, Production Team

Date : 15/08/2016

Product : Midilift Cabin Models (Piccolo, SLplus & XLplus)

Subject : Various Product Updates

Pages : 1 of 7

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Summary

Various product updates have been made to facilitate the increased travel and FX structure options on the Midilift Piccolo. Some of these changes are also carried across on to the SLplus and XLplus products. Table 1 provides a summary of these changes; further details and images can be found on the following pages of this bulletin. These changes are incorporated on lifts manufactured from 1st August 2016 onwards.

Table 1 – Product Changes

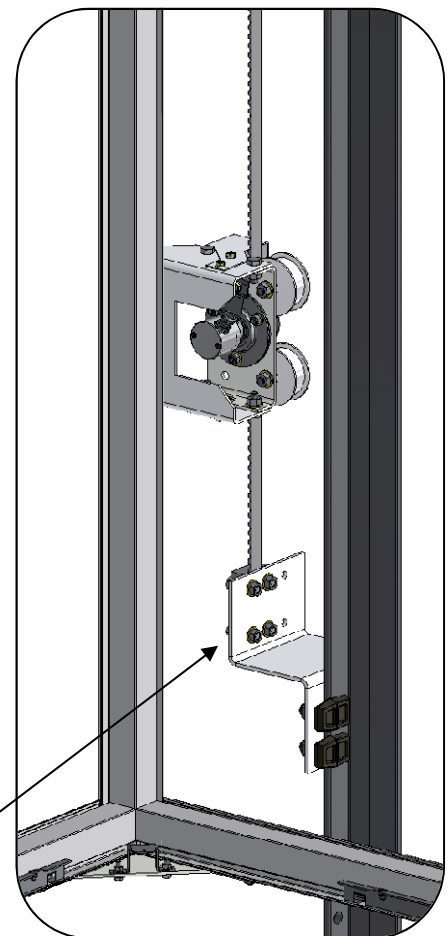
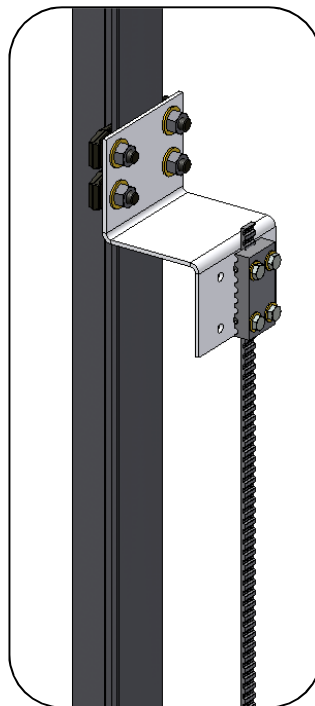
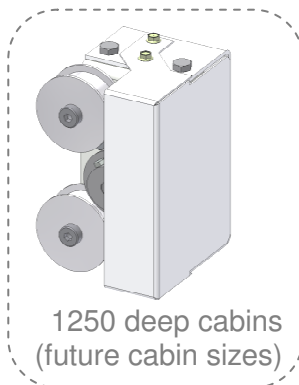
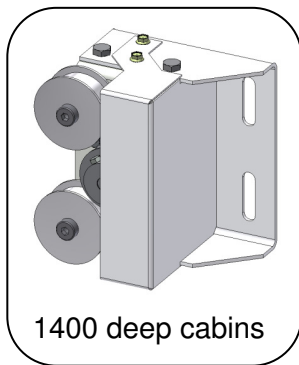
Ref. No.	Component	Description of Change	Products Affected
1	Encoder Assembly & Belt Brackets	Encoder assembly & belt brackets redesigned to reduce footprint (to enable future smaller cabins)	All Cabins
2	Trailer Cable Bracket	Multiple holes for fastening the energy chain have been replaced by a single slot	All Cabins
3	Bottom Reset Switch(es)	Optical proximity switches have been replaced by mechanical switches and activation ramp	All Cabins
4	Cabin Support Channels	Cabin support channels have been strengthened for use on Piccolo & SLplus models. Note: XLplus retains “original” design (due to clearance requirements with the bedplate)	Hydraulic Cabins
5	Piccolo Guide Channel Assemblies	Guide channel assemblies now utilise bolts with fixing plates to attach channel to wall brackets	Piccolo only
6	Piccolo Mounting Brackets for Trailer Connection Box	The trailer connection box is now mounted to the cabin guide rail using two brackets instead of one	Piccolo only
7	Piccolo Alignment Jig	The installation jig has been redesigned to allow it to be used on wall mounted & FX structure models (including future smaller cabins)	Piccolo only

...table continued on next page

8	Piccolo Cabin Stop Switch	An additional emergency stop switch is now provided behind the Cabin Operating Panel for use during maintenance & installation	Piccolo only
9	Battery back-up on Fermator Doors	Fermator's battery back-up option is now provided on all Piccolos	Piccolo only
10	Piccolo 1:1 Ram Guides	The ram guides have been redesigned so that standard lengths of guide rail can be used rather than site specific lengths	Piccolo direct acting 1:1 only

Detail

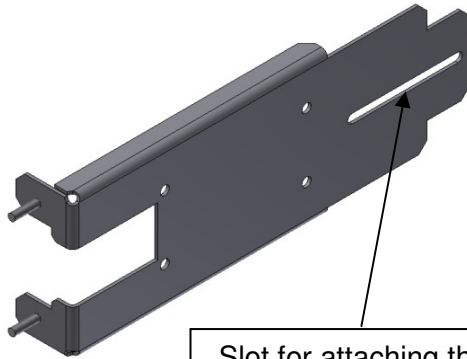
1. Encoder Assembly & Belt Brackets



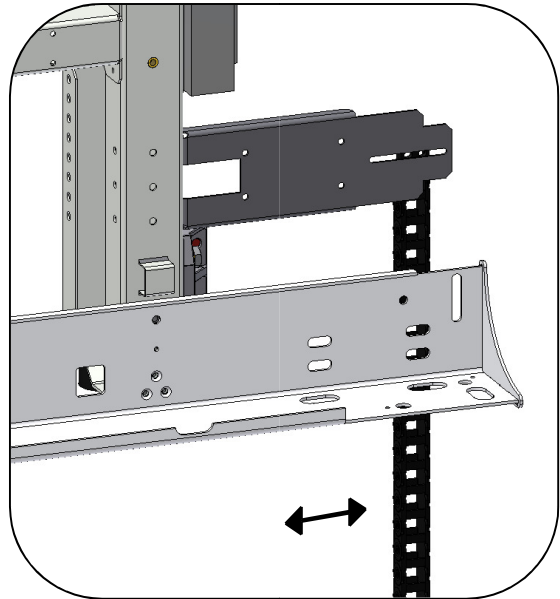
Clamp & belt positioned in holes nearest to the cabin frame

- The new design is used on all Midilift cabin models
- The new encoder assembly fastens to the cabin frame with halfen bolts in exactly the same way as the old version
- The belt brackets are clipped to the cabin guide rail as before, but the new brackets point up or down the guide (rather than towards the cabin)
- The belt runs around the pulleys in exactly the same way
- A smaller version of the encoder for use on 1250 deep cabins will be introduced in a few months time when smaller cabin sizes are launched on the Piccolo range

2. Trailer Cable Bracket



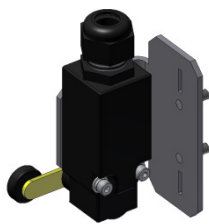
Slot for attaching the energy chain



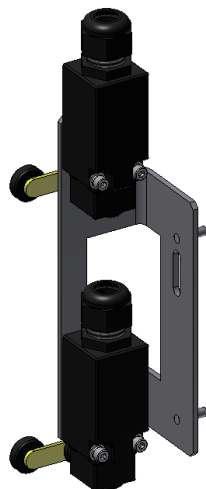
- The energy chain for the trailing cables is now bolted to a slot in the trailer cable bracket, rather than punched holes. This allows the installer to adjust the cabin end of the energy chain to align with the shaft mounted end, so that the energy chain hangs vertically and is less likely to twist during lift operation

3. Bottom Reset Switch(es)

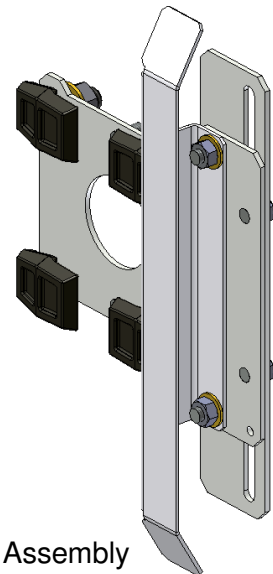
- The bottom reset switches are now mechanical switches activated by a ramp (in place of the old Optical Proximity Switches)
- The mechanical switch assembly is mounted on a vertical slot in the carriage upright
- The ramp assembly clips to the cabin guide rail
- The ramp and switch assemblies both incorporate vertical adjustment which is easier to adjust than the old Optical Proximity Switch arrangement



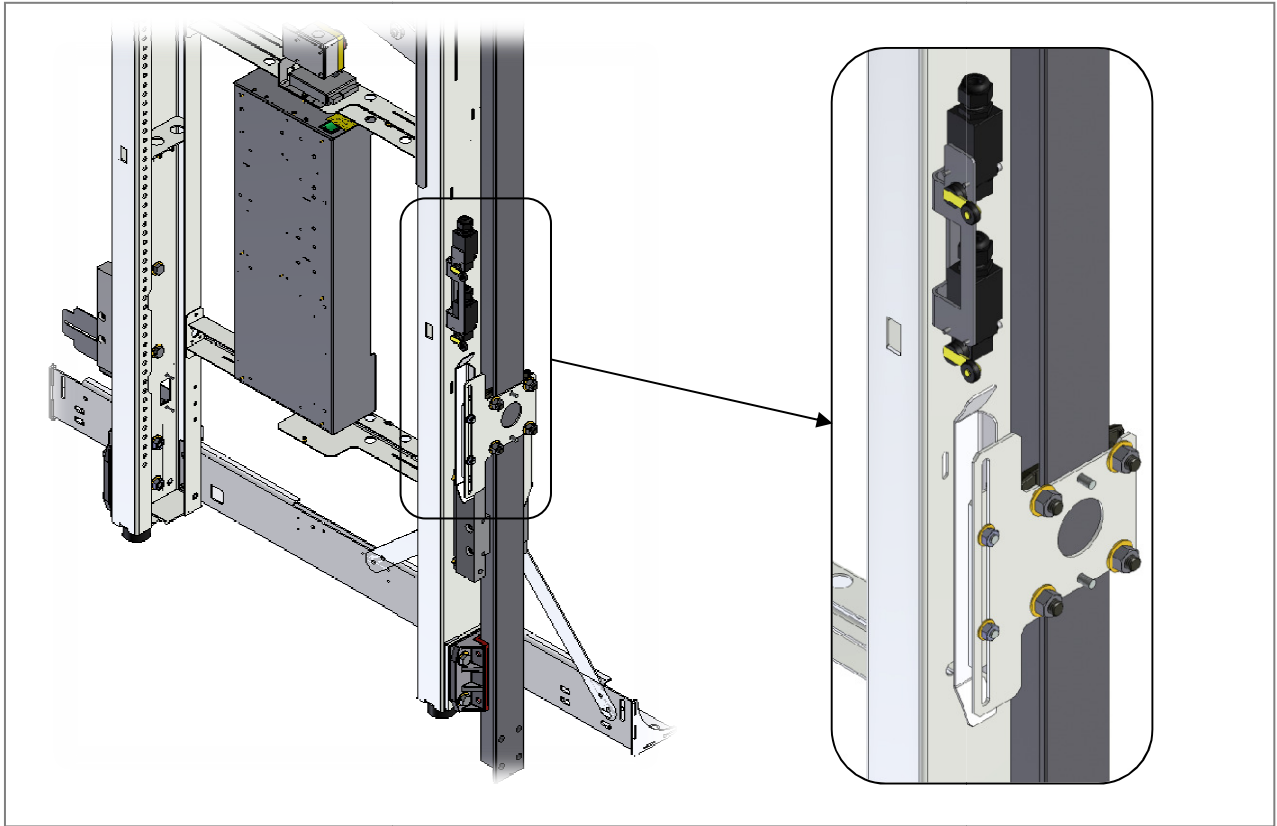
Single Switch
(SLplus & Piccolo 1:1)



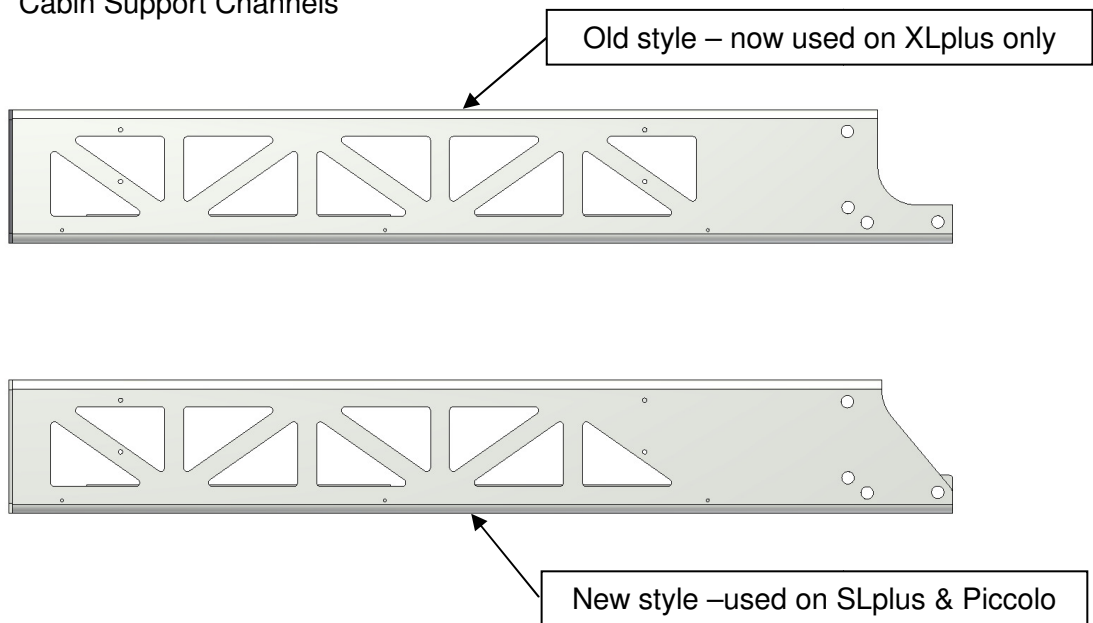
Double Switch
(XLplus & Piccolo 2:1)



Ramp Assembly
(All cabin models)

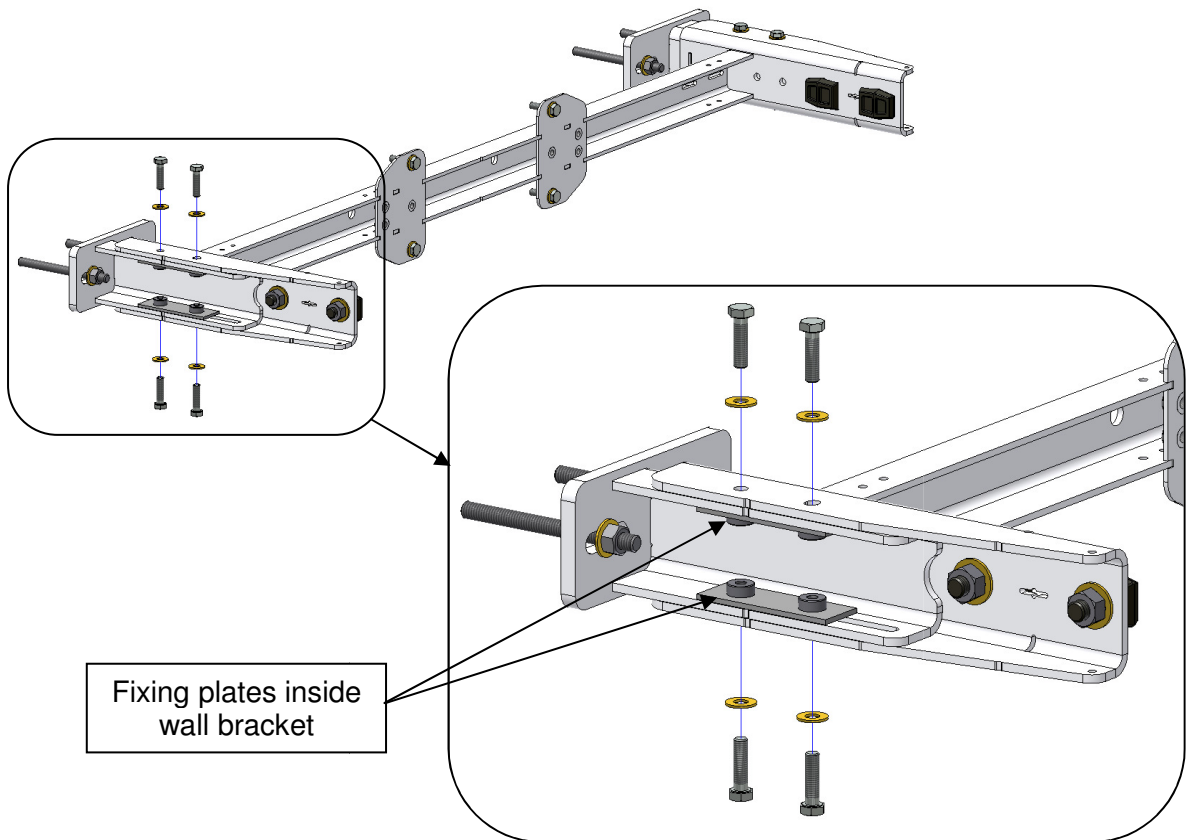


4. Cabin Support Channels

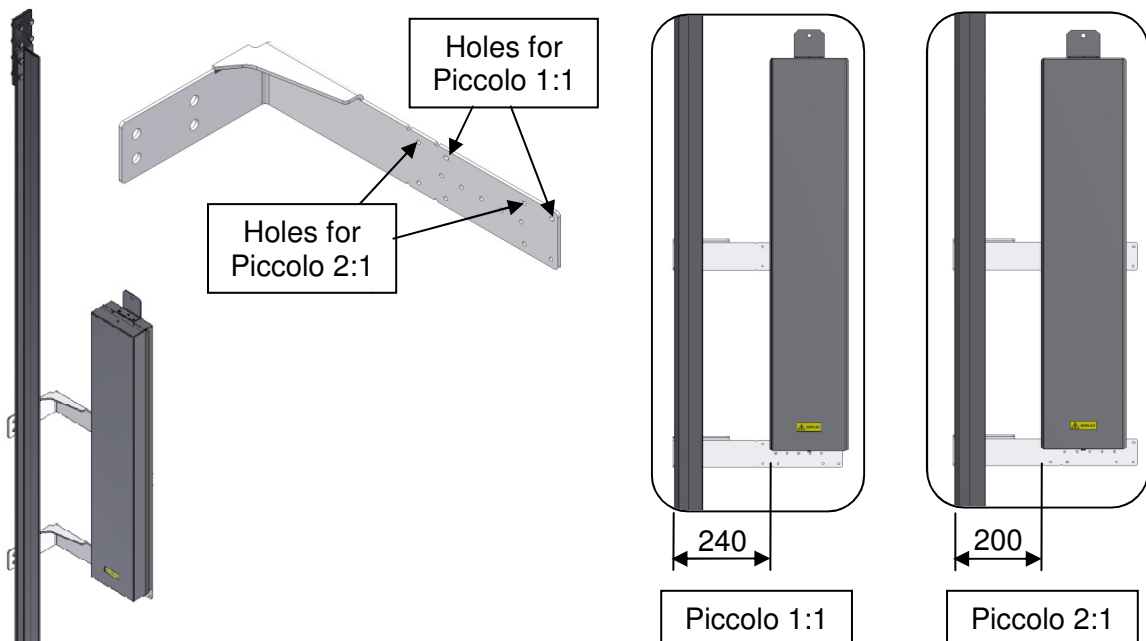


- The old style cabin support channels are still used on XLplus cabins as the larger end cut-out is required to clear the bedplate
- The new style cabin support channels are used on SLplus & Piccolo cabins

5. Piccolo Guide Channel Assemblies

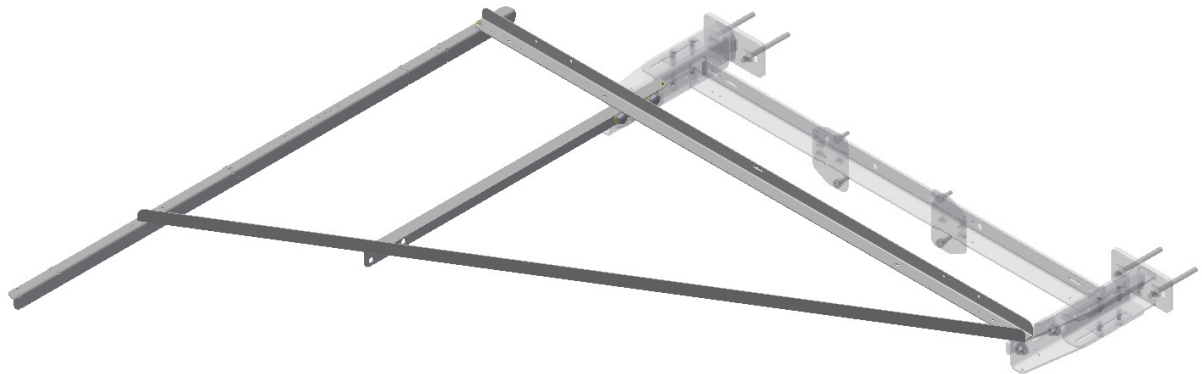


6. Piccolo Mounting Brackets for Trailer Connection Box



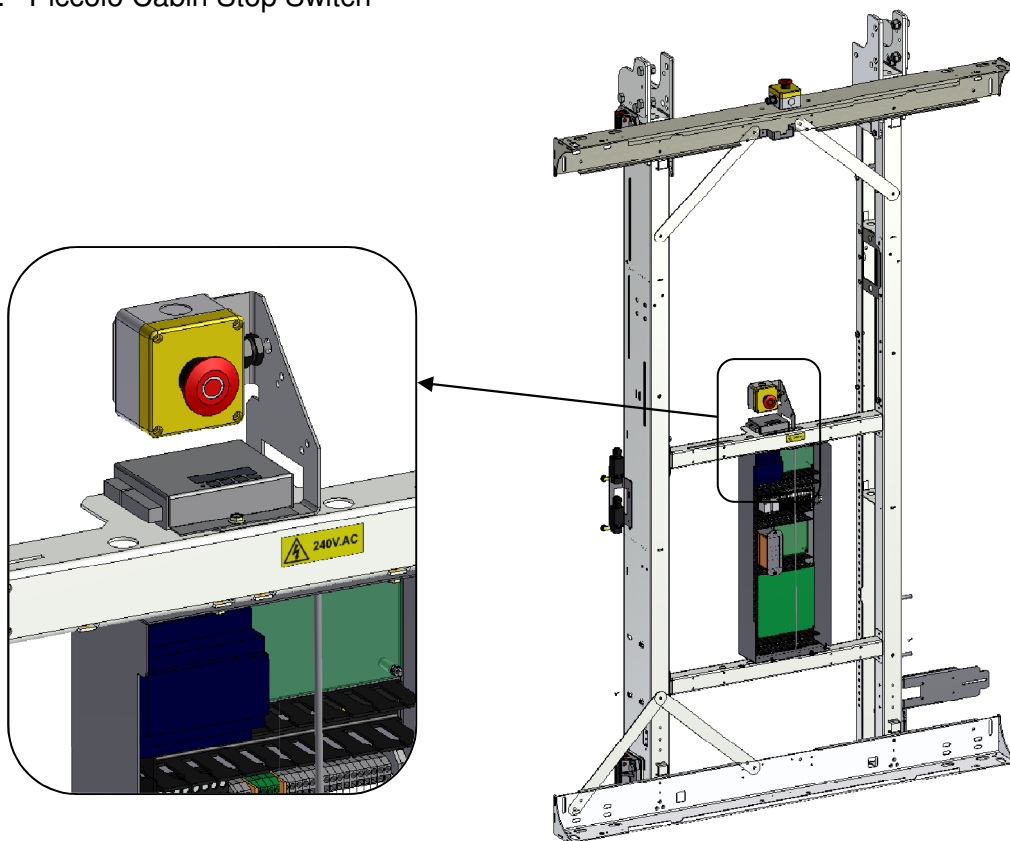
- The trailer connection box is now secured to the cabin guide rail with two brackets (instead of one)
- The brackets now cater for 2 different mounting positions (Piccolo 1:1 & Piccolo 2:1)

7. Piccolo Alignment Jig



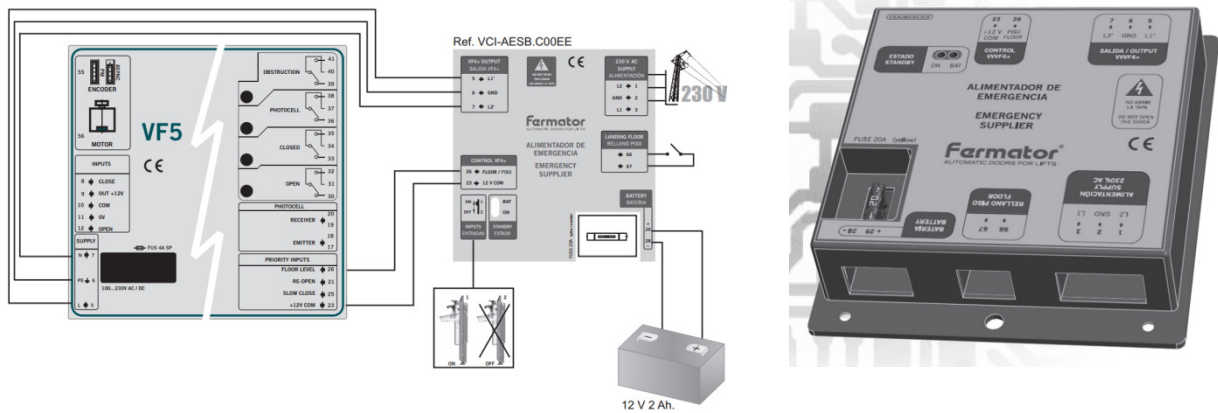
- The installation jig has been changed slightly so that it can be used for wall mounted and FX structure models
- The jig also has additional holes which allow it to be reconfigured for use with smaller cabin models (although these are currently not available)

8. Piccolo Cabin Stop Switch



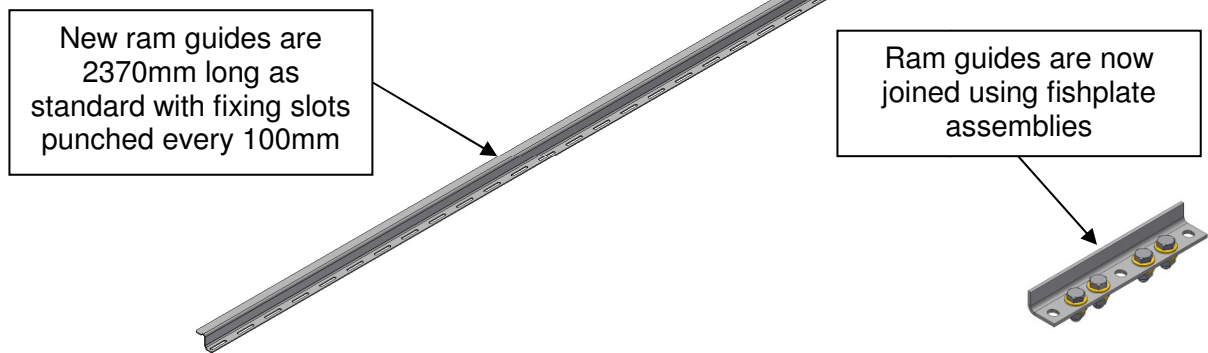
- An additional stop switch has been added on all Piccolo models. This is accessible to installation & service engineers when the car operating panel is removed for maintenance.
- The stop switch bracket utilises the same fixings as the load weighing control module.
Note: SLplus & XLplus cabins are equipped with a stop switch on the front face of the car operating panel

9. Battery Back-up on Fermator Doors

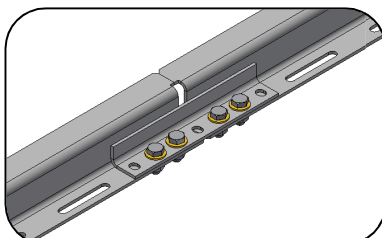


- All Piccolo models are now provided with Fermator’s “Emergency Supplier”. This device provides a battery back-up to the door operator.
- In the event of a mains power failure passengers can initiate a call to the lowest landing. When the lift arrives at the lowest landing, the Fermator “Emergency Supplier” powers the doors open for 15 seconds to allow passengers to exit.
- Refer to the Piccolo Wiring Manual for details of how the device is connected.

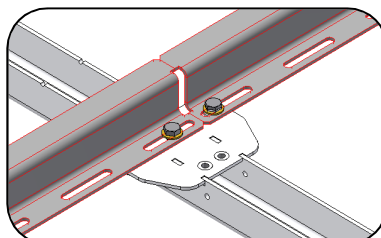
10. Piccolo 1:1 Ram Guides



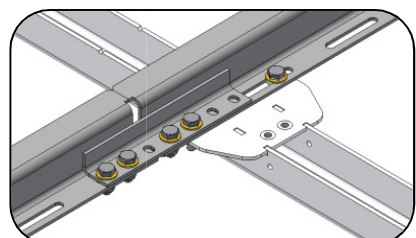
Examples of guide joints using the new guides and fishplates



Guide joint between GCA's



Guide joint coinciding with a GCA



Guide joint close to a GCA

- The upper ram guides are no longer contract specific lengths. Instead the upper 2370mm lengths are cut to length on site