

TB-MP007

TECHNICAL BULLETIN

INFORMATION ONLY

For the Attention of : Graham Mears, Paul Ayers, Larry Power, Peter Amura,
John Blight, Technical Team (CDO), Testers, Site
Supervisors and MP (OEM)

From: Angelos Strantzalis – Senior Product Engineer (Passenger Lifts)

Date : 04 Aug 2014

Product : MP

Subject : **Car top Barrier**

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Background

In order to comply with BS7255 during installation or maintenance for people working on the roof of the car and EB81.1-2 at the same time we have asked from the OEMs to provide us with adjustable car top barriers. MP has produced one for us and before put it into standard production they send us one, which I tested with Pete Canning in Portsmouth in St Mary's Hospital (ST320198).

Test Results

The barrier was found to be higher in its lower position than the EN81 specifies. The barrier is 740mm and EN81 specifies 700mm

The barrier was to be lower in its higher position that the BS7255 specifies. The barrier is 890mm and BS7255 specifies 950mm.

The durability of the barrier could be improved especially on its higher position.

Side pins that lock the adjustable barrier in higher and lower position could be more durable as the one already broke in the package.

The stop switch demands fine set up in order to work effectively and at the same time to permit the barrier moving up and down. The set up is also affected by the durability of the barrier.

Photos



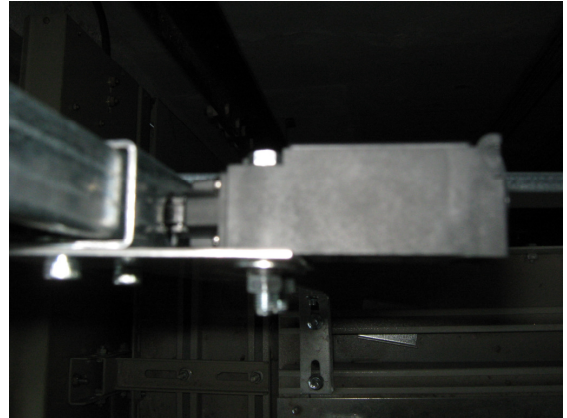
Barrier in Lower Position



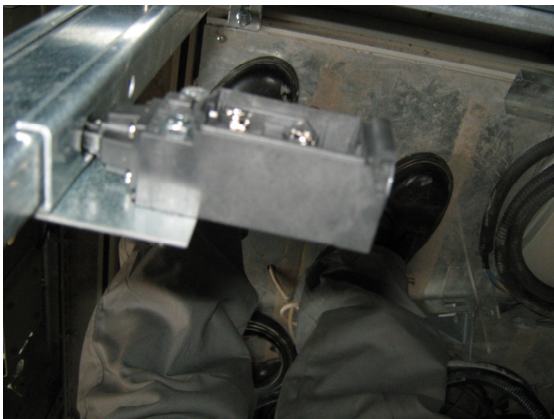
Barrier in Higher Position



Barrier Installed



Barrier Stop Switch



Barrier Stop Switch

Recommendations

- The design of the barrier to be adjusted to reach the demanded dimensions in lower and higher position, 700mm according to EN81 and 950mm with no gap less than 470mm according to BS7255.
- Improve the durability of side pins and barrier in total.
- Improve the set up of stop switch, this could maybe improved by simply changing the orientation of the stop switch from horizontal to vertical.
- To be confirmed that can be used on the working platform as well.

I hope you all find this Bulletin to be of help and should you have any questions about this topic or would like to know a little more about 'absolute positing' then please contact me on **Ext 8646 or DDI 01264 34 36 46**

Angelos Strantzalis