

TECHNICAL BULLETIN

TB-0073a

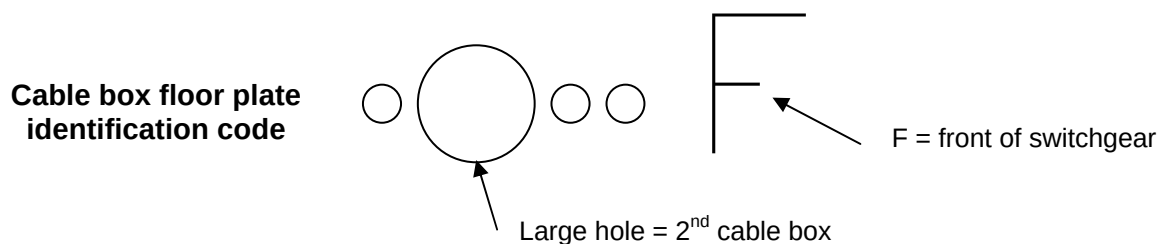
ABB SAFELINK HV CABLE FLOOR PLATES

In order to improve the integrity of the cable compartment in Safelink switchgear, floor plates (also referred to as gland plates) are now required to be fitted. These plates have been designed to assist in the prevention of vermin entering and damaging the soft rubber termination insulating boots that are used on this switchgear. Other switchgear units with harder screened elbows do not need cable floor plates for this purpose, but may still have floor plates fitted.

From July 2010 all new Safelink switchgear shall be supplied with cable floor plates and they shall be fitted to all compartments with terminated cables.

On existing Safelink units, floor plates shall be fitted to cable compartments being worked on and any spare plates shall be safely stored adjacent to switchgear for future fitting. Stand alone floor plate kits will be available from July 2010.

Where there are spare cable compartments, the floor plates shall be fitted, but the cable penetration punch-out sections shall remain intact. Each compartment requires a unique aluminium floor plate and the plates are marked accordingly with an identifier located on the end of each floor plate to signify in which compartment the unit is intended to be installed, and a large F is also shown to indicate the front of the switchgear.



In some cases, (3 core or angled cables) minor adjustments may be required to fit the floor plates around cables, an electric drill nibbler attachment is best for this purpose.

The transformer section of the SafeLink switchgear has a rear cable penetration to allow cables to exit when installed in a padmount substation. This penetration also needs the supplied plates to be fitted when the floor plate is fitted in this compartment.

Refer to the following two (2) instructions for installation details:

1YJP10020292 – Gland plate installation procedure

1YJP10020297 – Transformer compartment rear cable plate

Compartment	CF, CCC, CFC	CFCC, CCCC	Rear Trf. plate
ABB Part no.	C0291	C0292	C0297
Stock code	1558618	1558600	1558592

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Date: 27 May 2010

Authorised by: Don Wijayasinghe - Distribution Engineering Manager

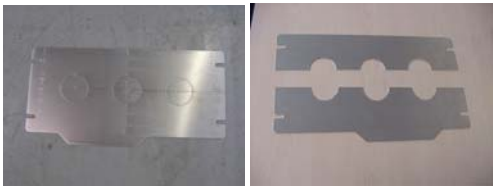
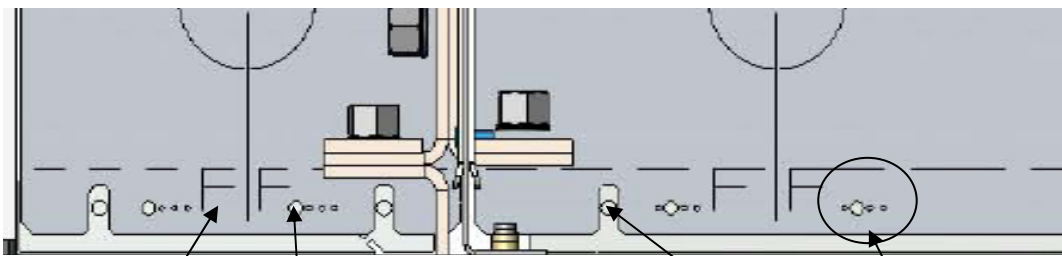
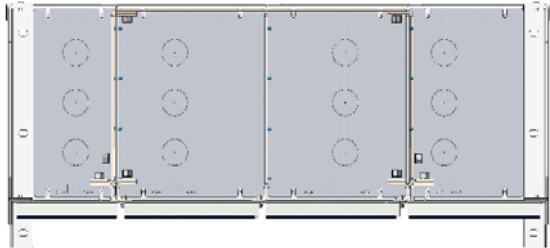


The power is in your hands

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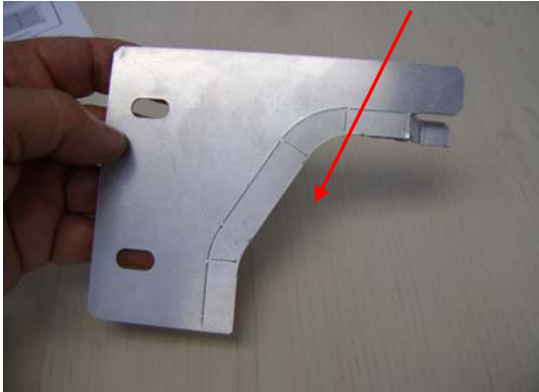
	NZABB PTMV BAU	1YJP10020292		
Gland Plate Installation procedure – SafeLink				
Issued by department	Date	Lang.	Revision	Page
Engineering	22/03/10	en	B	1 (2)
Doc. kind	Procedure	Status of document	Released	
Creator name	Fred Prinsloo	Distribution	ABB Internal	

1. Gland plate installation instructions

1.	 Gland plates are available with or without holes.	 The gland plates fit into the bottom of the SafeLink cable box.
2.	Each 4 way gland plate has a series of small and big holes to indicate the position where the gland plate should be installed. See description below: 3 way gland plates do not have these holes as the outer plates are easily identified.  The “F” is to show which side needs to point to the front of the cable box door. These holes are to indicate in which partition the gland plate needs to be installed. 4 holes means the plate is for a 4 way switch and the big hole indicates the partition this gland plate needs to be installed in, this is for partition one, first compartment on the left. The gland plate can be bolted down onto these studs. The big hole indicates that this gland plate is for partition two, the second compartment from the left.	
3.	 Typical 3 way installation	 A typical 4 way gland plate installation

	NZABB PTMV BAU	1YJP10020297		
Switch Fuse Back Panel Cut out Cover Procedure – SafeLink				
Issued by department	Date	Lang.	Revision	Page
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1.Back Panel Cut out Installation Instructions

1.	Looking from the back end. Insert right hand side cover with offsets protruding to the back through the cut out. 	Push into place (Cover is flush with the front end of the cut out). 
2.	Insert left hand side cover, with off set to the front (Cover is flush with the back end of the cut out) 	Push cover into place and bolt together from the back. 
3.	Breakout for the transformer cables 	Breakout for the earth cable 