



## Products affected

Truck			Bus			Power Solutions			
4	PGRT	LPGRS	4	FKN	CK	P93	P96	E2011	PS2024
-	-	X	-	-	X	-	-	-	X

Miscellaneous:

## Fitting contact protection before transport

### Background

Spare part batteries are supplied with a short-circuit plate (position 2 in the picture) that short-circuits the battery's connection points for the VCB cables.

The short-circuit plate is removed and replaced by contact protection when the battery is fitted on vehicles. The removed short-circuit plate should be discarded and must not be fitted on the battery that is to be returned. If the short-circuit plate were to be put there, and the contactors of the battery are closed, an arc will occur. Therefore, put contact protection on the old battery that is to be sent back.

### Production solution

Finger guards will be introduced instead of short-circuit plates on the propulsion batteries sold as spare parts.



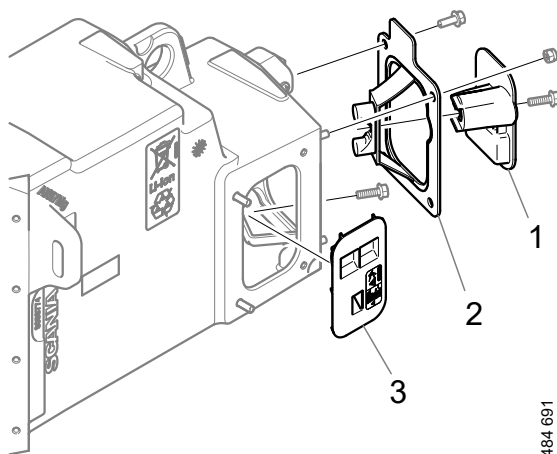
## Service solution

When the new battery is fitted to the vehicle, the short-circuit plate must be replaced with a finger guard, which should normally be located in the door for connecting the VCB cable harness.

The short-circuit plate (pos 2 ) is a disposable item. After the short-circuit plate is removed from the new battery, it should be discarded. The screw that holds the short-circuit plate must be reused when fitting the contact protection. For buses that only have 1 short-circuit plate but are to be equipped with 2 contact protections, 1 extra screw needs to be ordered. On the old battery that is to be sent away, the correct finger guard must instead be fitted (Pos 1 and 3). See the parts catalogue for the finger guards:

- 16-27-0039
- 16-27-0028
- 16-27-0046

Bus has 2 finger guards per battery. Truck and Power Solutions have 1 finger guard per battery.



1. *Finger guard*
2. *Short-circuit plate*
3. *Finger guard*