

**TECHNICAL BULLETIN****INFORMATION ONLY**

---

**For the Attention of :** Installers, Testers & Service Branches

**Date :** 08/04/10

**Product :** Stannah MRLi - Hydraulic Passenger Lift

**Subject :** New design battery charger.

**Pages :** 5 + 3 = 8

---

**Originator :** Stannah Lifts Ltd, Anton Mill, Andover, Hants SP10 2NX 01264 339090

---

**Introduction**

It has come to light that on all MRLi models manufactured between 13<sup>th</sup> April 2009 and 21<sup>st</sup> September 2009, require an electrical wiring mod to the lift using all the components listed below. This is required to enable the emergency lowering feature to work effectively. Currently the new battery charger will cut out after approximately 15 seconds and will take approximately 30 seconds to recover. Lifts manufactured between 21<sup>st</sup> September 2009 and 19<sup>th</sup> October 2009 only require the T12 fuse to be changed. Please see attached sheets for lists of contracts affected.

**Solution**

All 'Emergency Lowering Pushbuttons' needs to be wired directly from 'BAT+' instead of from 'S+'. To achieve this direct feed 'Bat+' terminals are required in the consumer unit and control panel. Below shows the changes needed to be undertaken. These drawing only show the aspects required, full versions of the drawing are:

- MRLi-PIT shaft wiring consumer unit – 9333/534 Rev F
- MRLi-PIT shaft wiring – Landing override station 9333/532 Rev E or Rev F if Pawl device fitted.
- MRLi-nonPIT Motor room wiring – control panel consumer unit 9333/637 Rev. D
- MRLi-nonPIT Shaft wiring – battery charger 9333/636 Rev.D
- In addition the T12 fuse for the battery charger should be uprated from 1A to 2A anti surge.

A modification kit can be obtained from Stannah, consisting of wiring diagrams and the components listed below.

Stannah Part Number	Description	Quantity
910074	Cable 7 Core 0.5mm2 No. 1-7	8 Meters
906139	2.5mm Terminal Grey	2
910170	0.75mm White Cable	3 Meters
901078	2A Anti Surge Fuse	1

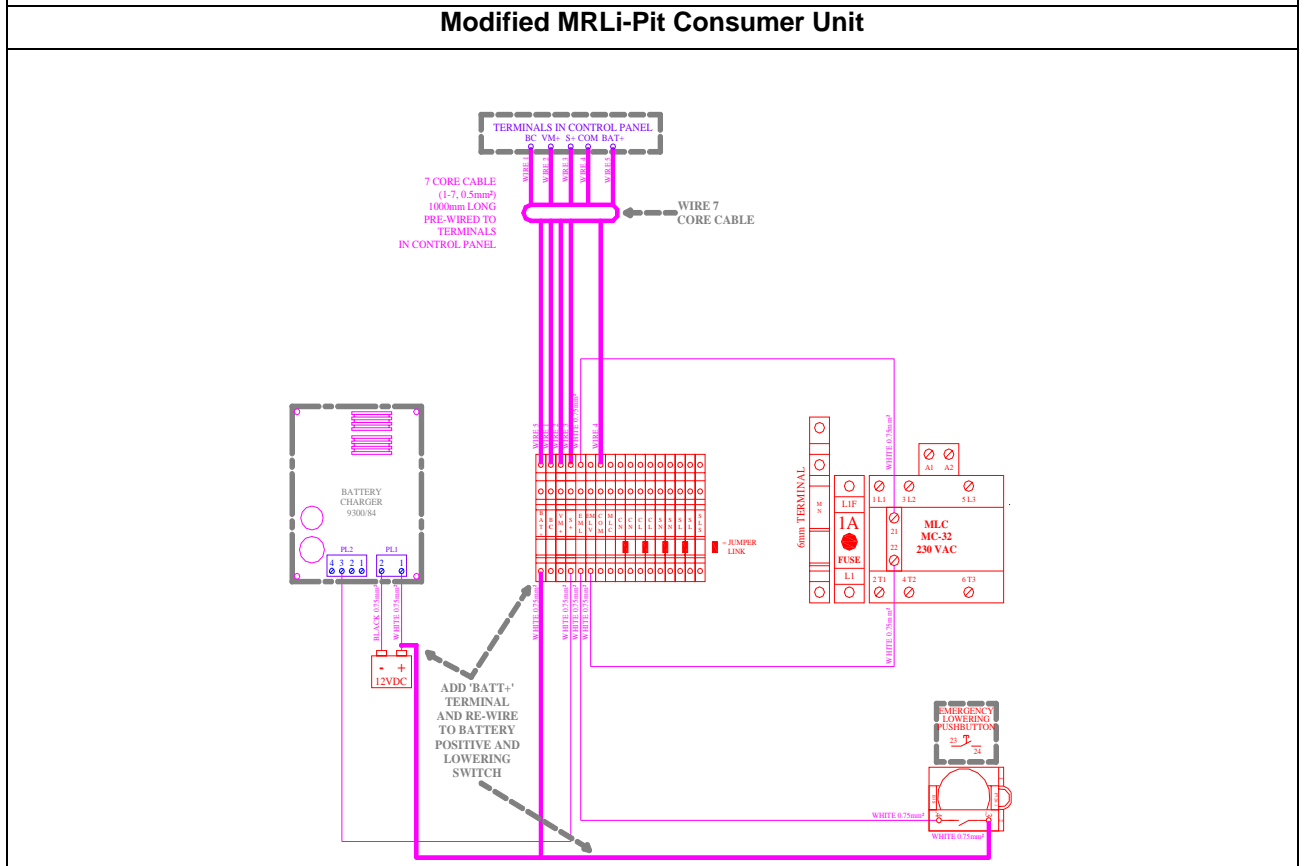
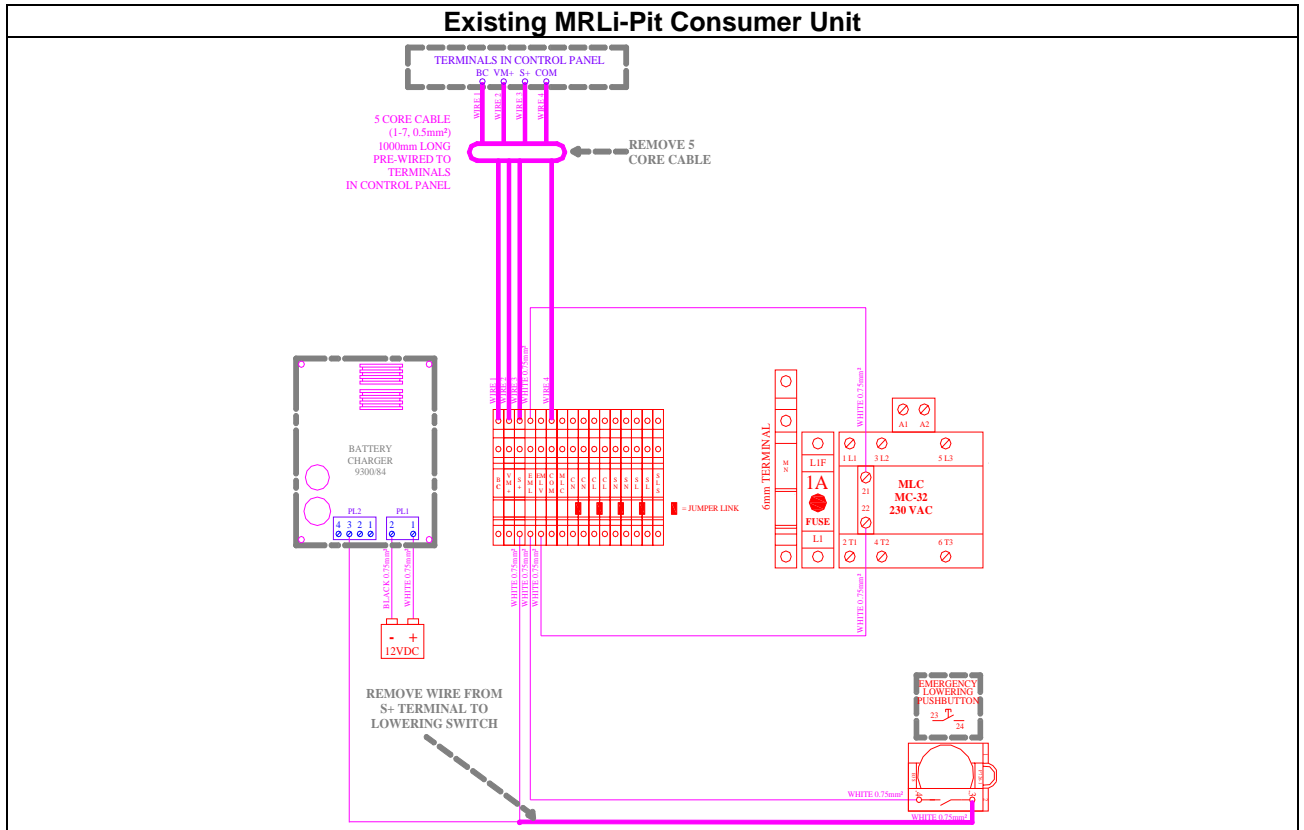
**Action**

Lifts in service – Complete modifications at next service visit

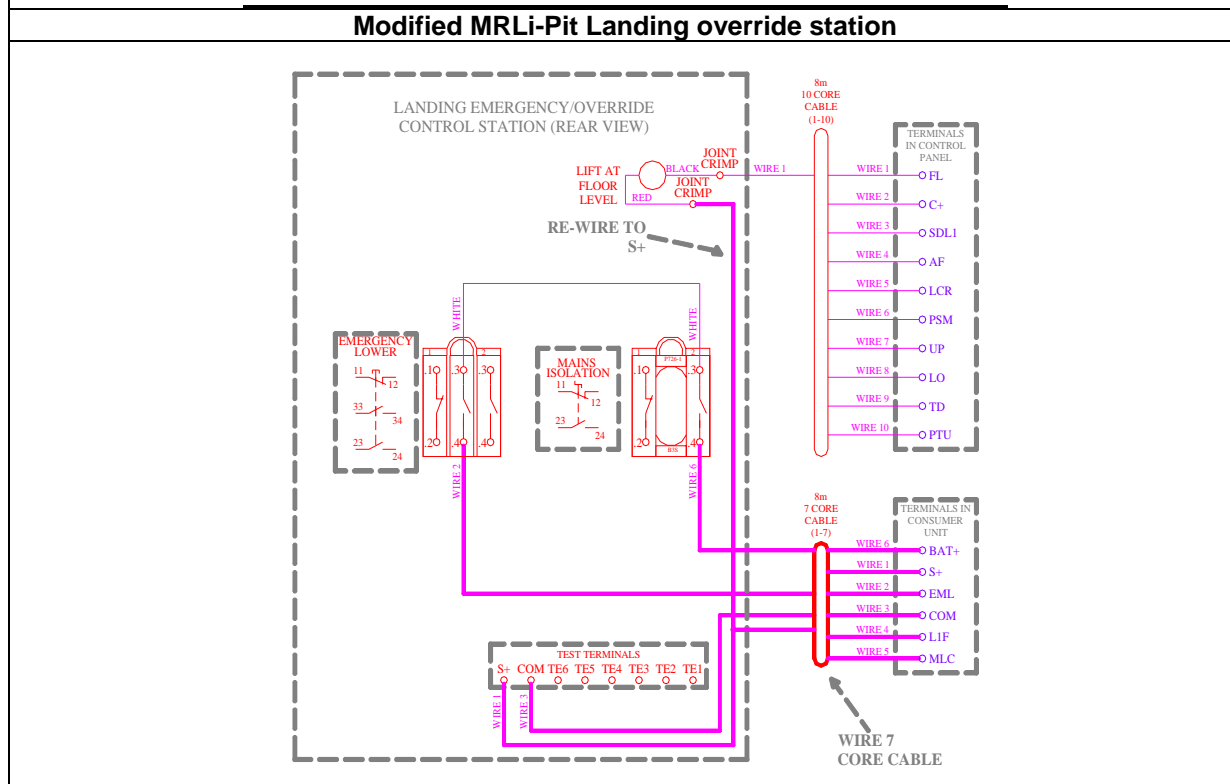
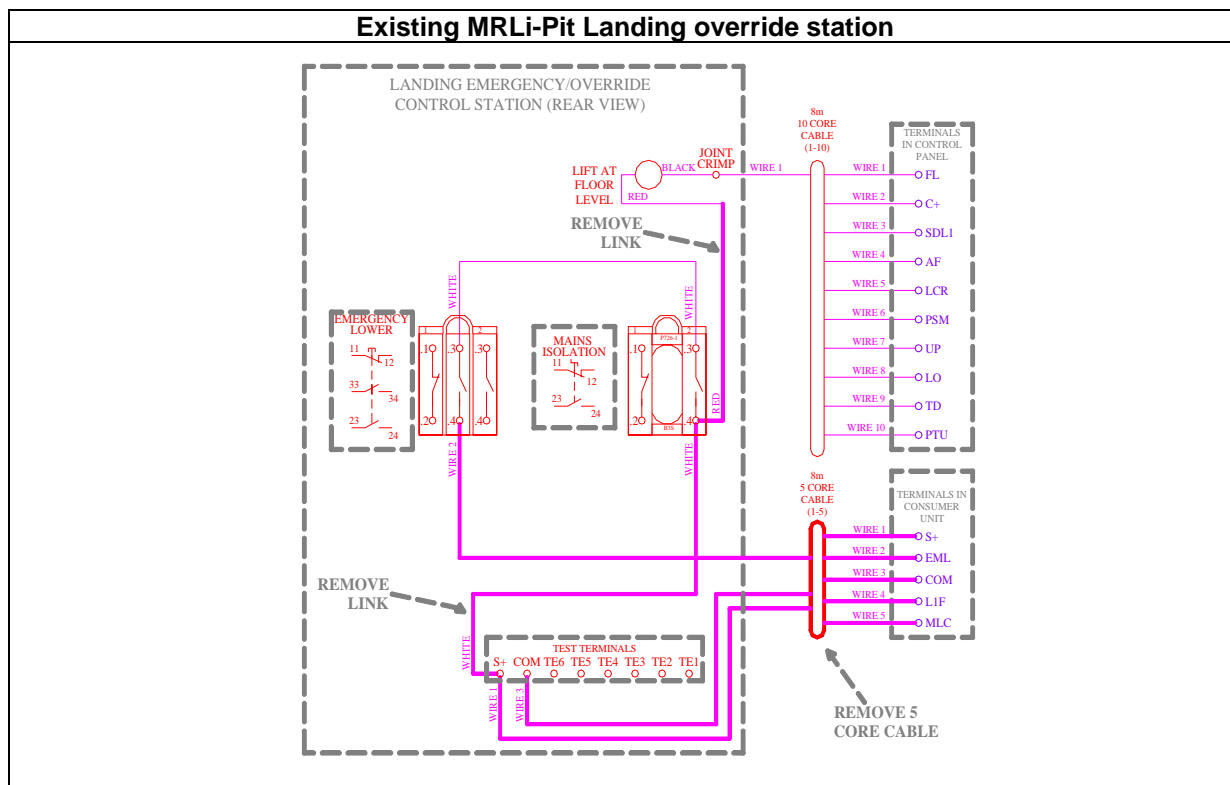
Lifts on site but not handed over – Complete modification prior to handover.

## MRLi-PIT – Consumer unit and Landing override station.

Take the feed from 'BAT +' to the pushbutton and the new 'BAT+' terminal. The 'S+' feed remains supplied from the battery charger PCB.

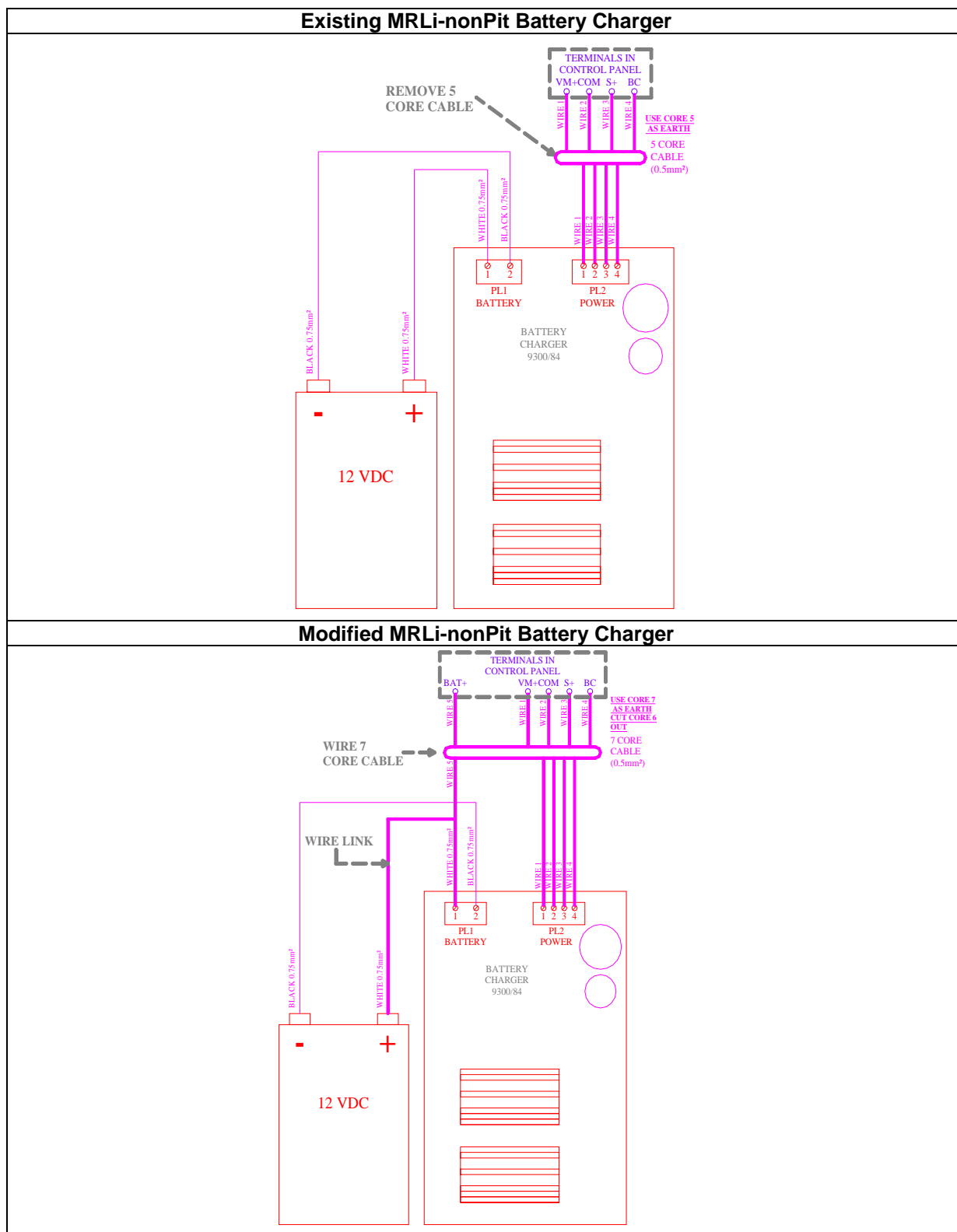


Take the feed from 'BAT+' terminal in the consumer unit and wire the 'Emergency Lowering Pushbutton' through the main isolation switch and back to the 'EML' terminal. Ensure the 'Lift at floor level' light remains wired to 'S+'



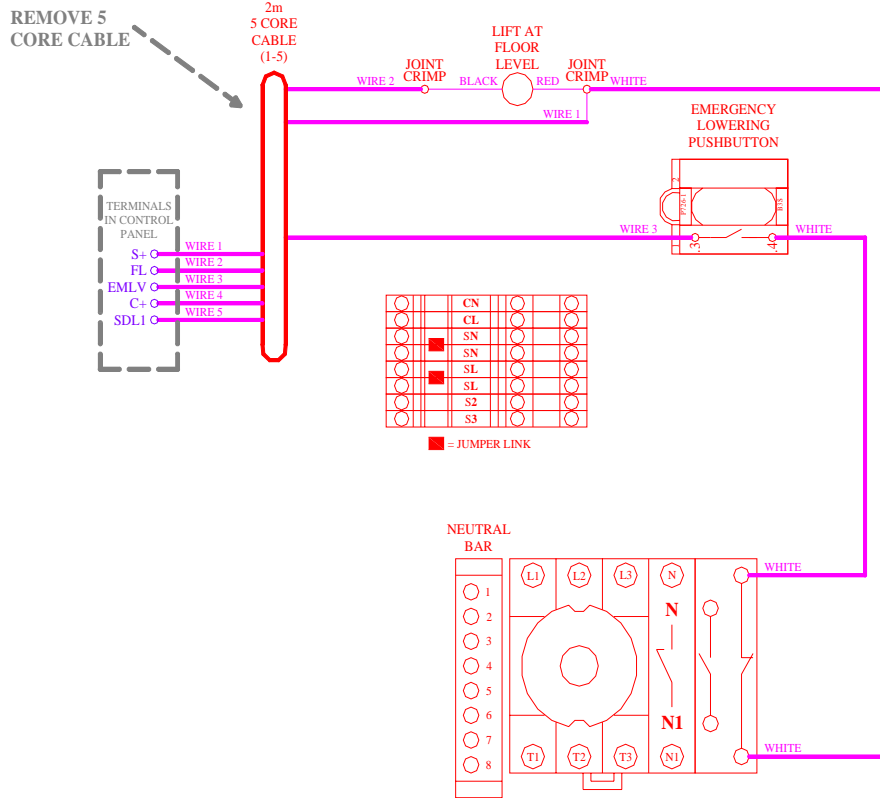
## MRLi-nonPIT – Control panel consumer unit and Battery Charger.

Feed the 'BAT+' terminal in the control panel direct form the 'BAT+' terminal on the battery.

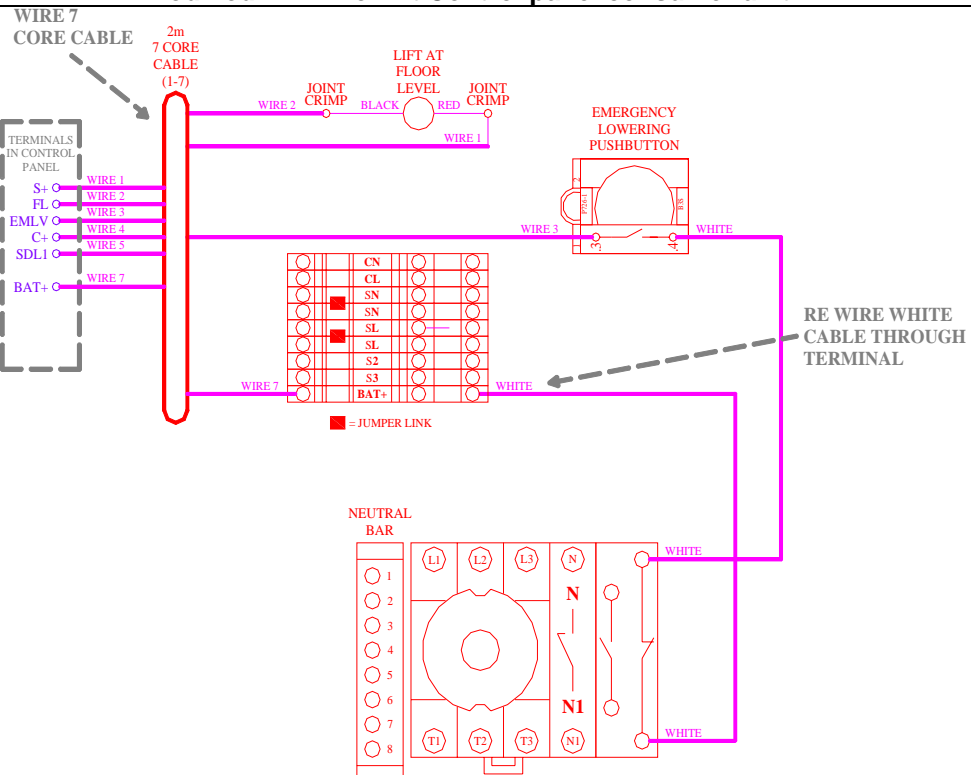


Take the feed from 'BAT+' terminal in the control panel and wire the 'Emergency Lowering Pushbutton' through the main isolation switch and back to the 'EMLV' terminal. Ensure the 'Lift at floor level' light remains wired to 'S+'.

### Existing MRLi-nonPit Control panel consumer unit



### Modified MRLi-nonPit Control panel consumer unit



Wiring diagrams and materials are provided to undertake these actions.

For all materials please contact: Mick Mais  
 For all technical questions contact Graham Cooper

Stannah Lifts td, Anton Mill, Andover, Hants, SP10 2NX 01264 339090

## Tester contracts

Manufactured Date	Contact Number	Delivery Date	Proj. Del Date	Service Branch	Tested	Test Date
01/06/2009	LC 280177	-	-	Dartford	No	-
07/08/2009	LC 280387	26/10/2009	-	Dartford	No	-
27/07/2009	LC 280389	25/08/2009	25/08/2009	Dartford	No	-
08/06/2009	LC 280393	18/08/2009	-	Dartford	No	-
13/07/2009	LC 290025	-	-	Dartford	No	-
03/08/2009	LC 290131	18/08/2009	-	Dartford	No	-

Total 6

## Service contracts

Manufactured Date	Contact Number	Service Branch	Tested	Test Date
13/04/2009	LC 290014	Dartford	Yes	06/08/2009
20/04/2009	LC 280381	Dartford	Yes	21/07/2009
04/05/2009	LC 280354	Dartford	Yes	15/09/2009
01/06/2009	LC 280231	Dartford	Yes	15/09/2009
22/06/2009	LT 290084	Dartford	Yes	10/11/2009
27/04/2009	LC 280041	Dartford	Yes	25/11/2009
01/06/2009	LC 280173	Dartford	Yes	17/12/2009
08/06/2009	LC 280330	Dartford	Yes	13/11/2009
27/07/2009	LC 280334	Dartford	Yes	18/11/2009
13/04/2009	LC 290054	Dartford	Yes	08/12/2009
06/07/2009	LC 290065	Dartford	Yes	06/01/2010
03/08/2009	LC 290067	Dartford	Yes	22/12/2009
25/05/2009	LC 290069	Dartford	Yes	12/12/2009
10/08/2009	LC 290075	Dartford	Yes	15/12/2009
20/07/2009	LC 290117	Dartford	Yes	07/12/2009
20/07/2009	LC 290136	Dartford	Yes	29/10/2009
27/07/2009	LC 280306	Dartford	Yes	31/03/2010
13/07/2009	LC 280379	Dartford	Yes	12/03/2010
10/08/2009	LC 280380	Dartford	Yes	12/03/2010
18/05/2009	LC 290013	Dartford	Yes	25/03/2010
11/05/2009	LC 290073	Dartford	Yes	19/02/2010

20/04/2009	LC 280119	Birmingham	Yes	20/07/2009
------------	-----------	------------	-----	------------

20/04/2009	LC 280378	Bristol	Yes	24/08/2009
14/09/2009	LC 280248	Bristol	Yes	18/03/2010
25/05/2009	LC 280327	Bristol	Yes	15/10/2009
18/05/2009	LC 290051	Bristol	Yes	31/03/2010

04/05/2009	LC 280282	Norwich	Yes	11/08/2009
04/05/2009	LC 280348	Norwich	Yes	13/08/2009
13/07/2009	LC 290115	Norwich	Yes	23/10/2009
20/07/2009	LC 290076	Norwich	Yes	27/11/2009
14/09/2009	LC 290094	Norwich	Yes	07/01/2010
07/09/2009	LC 290152	Norwich	Yes	10/11/2009
11/05/2009	LC 290057	Norwich	Yes	27/08/2009

11/05/2009	LC 280322	Christchurch	Yes	03/09/2009
18/05/2009	LC 280360	Christchurch	Yes	26/08/2009
29/06/2009	LC 280249	Christchurch	Yes	16/03/2010

24/08/2009	LC 280364	Gateshead	Yes	05/03/2010
18/05/2009	LC 290004	Gateshead	Yes	14/08/2009

## Service contracts

29/06/2009	LC 290003	Gateshead	Yes	26/10/2009
13/07/2009	LC 290049	Gateshead	Yes	01/12/2009

14/09/2009	LC 290097	Brackley	Yes	02/03/2010
18/05/2009	LC 290059	Brackley	Yes	18/08/2009
03/08/2009	LC 290008	Brackley	Yes	24/11/2009
25/05/2009	LC 290009	Brackley	Yes	12/01/2010
22/06/2009	LC 290010	Brackley	Yes	12/01/2010

06/07/2009	LT 290086	Glasgow	Yes	13/10/2009
13/07/2009	LT 290087	Glasgow	Yes	06/08/2009

27/07/2009	LC 290018	Stockport	Yes	22/10/2009
25/05/2009	LC 290033	Stockport	Yes	23/07/2009
03/08/2009	LC 290141	Stockport	Yes	30/09/2009
20/04/2009	LC 270026	Stockport	Yes	24/03/2009
20/04/2009	LC 270027	Stockport	Yes	29/03/2010
06/07/2009	LC 290101	Stockport	Yes	10/02/2010
15/06/2009	LC 290108	Stockport	Yes	10/02/2010