

**TECHNICAL BULLETIN**

---

**For the Attention of :** Installations, Production, Trade Customers, Testers,  
Installers, Training Dept, Technical Help Desk

**Date :** 8<sup>th</sup> February, 2007

**Product :** System 21 – MRLi

**Subject :** Lift not travelling UP via 'PSM' to 'UP' link

**Status :** Retrofit Required

**Pages :** 5

---

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

---

**Detail**

A wiring fault has been identified on recent MRLi System 21 passenger lifts resulting in the lift not travelling in the UP direction – the motor will run but the lift will not move.

**Lifts Affected:**

All MRLi's manufactured between Production Weeks 11/12/06 and 05/02/07. Please refer to the attached sheet 'memo-GEV UP Travel Problem (Contract List).xls' for the complete list of contracts.

**Cause:**

In December 2006 the MRLi circuitry was updated to include a motor pre-run and run-on time.

This update included the addition of the 'VSR' relay that is used to switch the 'VS' (Run UP) input on the GEV PCB.

When the lift is run in 'Normal mode', or using the Installers Pendant, or using 'shorting links' across terminals 'PSM' and 'UP'; the 'VSR' relay is not energised and therefore 'VS' input on the GEV PCB is not turned ON and the Proportional Valve is not energised.

**Cure:**

The control panel circuitry must be modified as shown in drawing 1009219 (attached).

The modification is available in a kit form and will take approximately 10 minutes to carry out.

**Retrofit Plan:**

Please refer to the attached sheet 'memo-GEV UP Travel Problem (Contract List).xls' for the complete list of contracts.

***Control panels not yet manufactured:***

From Production Week 05/02/07, all MRLi control panels manufactured shall include the retrofit circuit.



***Control panels in storage:***

**TRADE** contracts (LT) shall be retrofitted in Dispatch by Stannah Factory personnel.

**DIRECT** contracts (LC/LR) shall be sent to site with a retrofit kit (packed with Installers Documents) and must be retrofitted on site by a Tester.

***Control Panels on site:***

**TRADE** contracts (LT) shall have a retrofit kit sent and must be retrofitted on site.

**DIRECT** contracts (LC/LR) shall have a retrofit kit sent to the necessary Tester and shall be retrofitted during a site visit at their convenience.

***Important Note for Installers:***

For contracts that are awaiting retrofit, the lift can still be powered in the UP direction by removing the Proportional Valve plug (PV) and adjusting the Pressure Bypass screw (8) as described in the document 'GEV SYSTEM – Valve operation during installation(Rev A).doc' (attached).

**Summary**

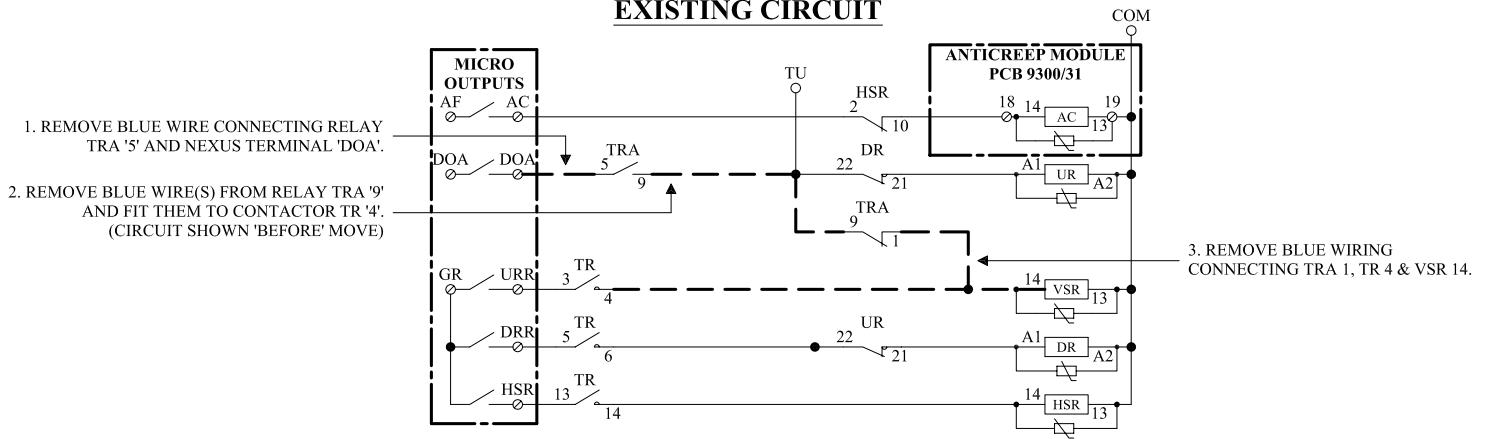
All of the contracts listed on the attached list must be retrofitted as detailed in the drawing 1009219 to ensure that the lift will run during 'Normal Mode' and via installers' pendants or shorting links.

	MRC	JobNo	Assembly Week	Fitter	Tester	Delivery Date	Test Date
Manufactured & Delivered	MRLi	260322	04-Dec-06	Lee Oaten	MD	19-Dec-06	
	MRLi	260295	11-Dec-06	Olympic		25-Jan-07	
	MRLi	260227	11-Dec-06	Olympic		01-Feb-07	
	MRLi	260363	11-Dec-06	Kevin Elliott	MS	09-Jan-07	06-Feb-07
	MRLi	260355	11-Dec-06	Paul Lancaster	TM	09-Jan-07	06-Feb-07
	MRLi	260332	01-Jan-07	Midland Lift Company Ltc	PB	06-Feb-07	19-Mar-07
	MRLi	260315	01-Jan-07	Kevin Elliott	TK	05-Feb-07	28-Feb-07
	MRLi	260226	08-Jan-07	Olympic		18-Jan-07	
	MRLi	260301	08-Jan-07	Olympic		06-Feb-07	
	MRLi	260120	15-Jan-07	Kevin Elliott	MS	23-Jan-07	26-Feb-07
Delivery soon.	MRLi	260136	22-Jan-07	Kevin Clarke		15-Feb-07	
	MRLi	260137	22-Jan-07	Midland Lift Company Ltc		08-Feb-07	
	MRLi	260138	22-Jan-07	Midland Lift Company Ltc		21-Feb-07	
	MRLi	260296	11-Dec-06	Olympic		15-Feb-07	
	MRLi	260129	15-Jan-07	Kevin Elliott	TK	14-Feb-07	02-Apr-07
	MRLi	260183	29-Jan-07	Alistair Gilmour	MD	07-Feb-07	22-Mar-07
	MRLi	260244	29-Jan-07	Kevin Elliott	TK	20-Feb-07	16-Apr-07
In storage. Deliveries TBC.	MRLi	260291	08-Jan-07	Keith Gill			
	MRLi	260228	11-Dec-06	Olympic			
	MRLi	260229	11-Dec-06	Olympic			
	MRLi	260294	08-Jan-07	Midland Lift Company Ltc	PB	26-Feb-07	30-Apr-07
	MRLi	260297	15-Jan-07	Andy Kinsella, A.M.E			
	MRLi	260339	15-Jan-07				
	MRLi	260317	15-Jan-07	Andy Kinsella, A.M.E			
	MRLi	260356	15-Jan-07	Michael Raynsforc		19-Mar-07	
	MRLi	260316	22-Jan-07	Olympic			
	MRLi	260379	22-Jan-07	Brendan Cleary			
MRLi	260141	29-Jan-07	Kevin Elliott	TK	02-Apr-07	14-May-07	
Future Production	MRLi	260395	05-Feb-07	Kevin Clarke		28-Feb-07	
	MRLi	260222	05-Feb-07	Andy Kinsella, A.M.E			
	MRLi	260221	05-Feb-07	Andy Kinsella, A.M.E			
	MRLi	260220	05-Feb-07	Andy Kinsella, A.M.E	MS	23-Feb-07	17-May-07
	MRLi	260240	05-Feb-07				
	MRLi	260219	05-Feb-07	Andy Kinsella, A.M.E	MS	16-Feb-07	15-May-07
	MRLi	260385	12-Feb-07	Olympic			
	MRLi	260223	12-Feb-07				
	MRLi	260100	12-Feb-07				
	MRLi	260195	12-Feb-07				
	MRLi	260390	19-Feb-07	Paul Lancaster			
	MRLi	260345	19-Feb-07	Olympic			
	MRLi	260391	19-Feb-07	Alistair Gilmour			
	MRLi	260389	19-Feb-07	Paul Lancaster			
	MRLi	260403	19-Feb-07				

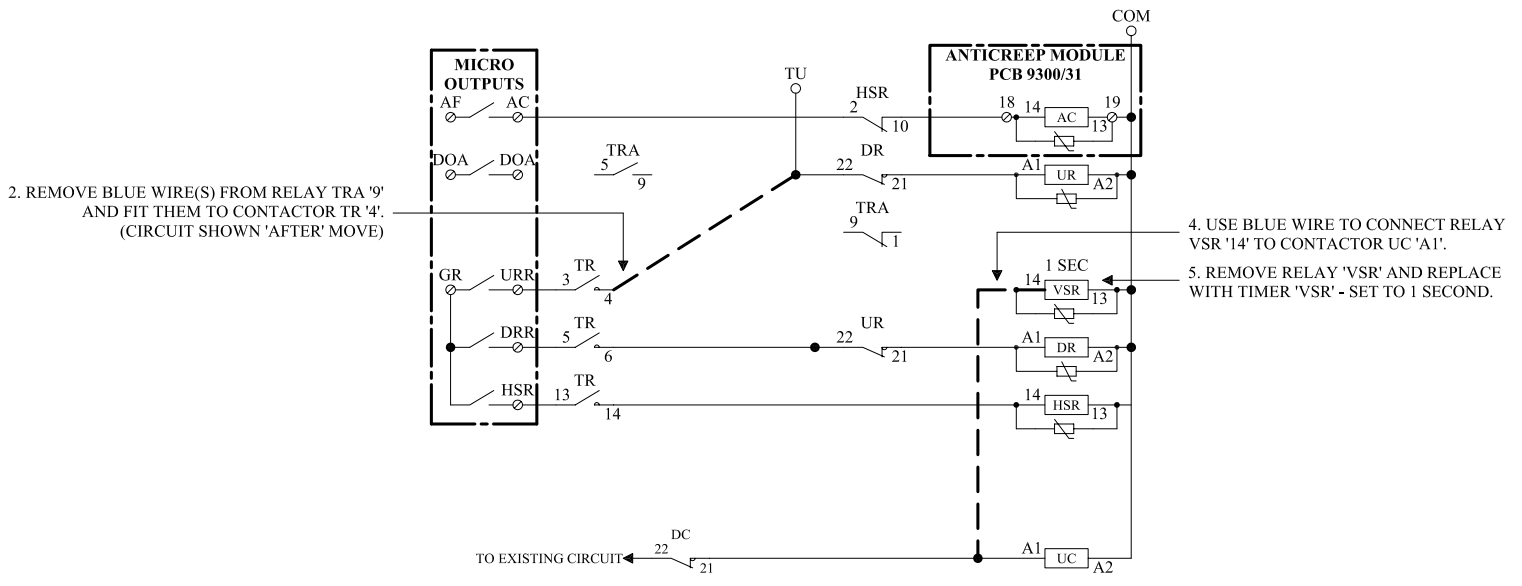
- Delivered & on site
- Deliveries booked within next 14 days
- Made but not delivering for 14days +
- To be modified by Factory (Trade contracts)
- To be modified by Testers (LC/LR contracts)

**PARTS REQUIRED:**  
 1 x 110VAC TIMER (0-10 secs) - 916018  
 2 Mtr BLUE WIRE - 910048  
 2 x FORK CRIMP - 906036

**EXISTING CIRCUIT**



**MODIFIED CIRCUIT**



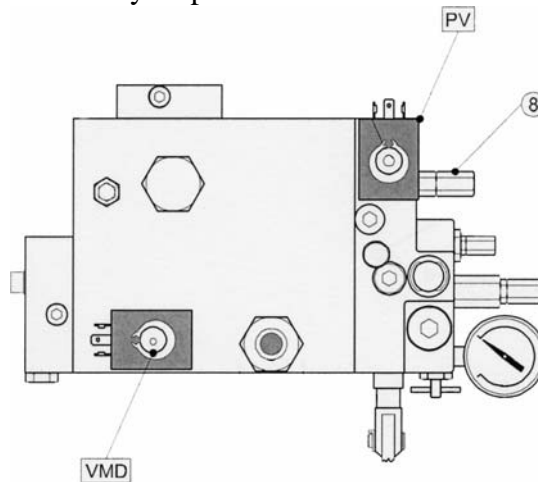
NAME: <b>D. CLARK</b>	DATE: <b>01/02/07</b>
CHECKED: <b>R. BAUGH</b>	DATE: <b>01/02/07</b>
<b>RETRO FIT - MRLi MOTOR PRE-RUN</b>	
	HEAD OFFICE: Anton Mill Andover Hampshire SP102NX England
	Tel: 01264 339090 Fax: 337942
DRAWING NO: <b>1009219</b>	REV:

## GEV SYSTEM VALVE OPERATION DURING INSTALLATION

To allow movement of the lift during installation while the encoder is not operational, the following steps must be followed:

1. Remove the Proportional Valve plug (PV).
2. Remove the screw cap from the Pressure Bypass adjustment screw (8).
3. Measure and note the setting of the Pressure Bypass adjustment screw (8).
4. Adjust screw (8) so that it protrudes 8mm from the valve block to allow the lift to run Up & Down at an acceptable speed.
5. Replace the screw cap on the Pressure Bypass adjustment screw (8).
6. **When the encoder is operational the Pressure Bypass adjustment screw (8) must be set to its original position and the Proportional Valve plug (PV) must be replaced.**

NOTE: While the encoder is not connected the lift can be powered in the DOWN direction. However, the lift will intermittently stop.



To allow uninterrupted movement of the lift in the DOWN direction, the following steps must be followed:

1. Remove plug J16 from the GEV PCB.
2. Connect the removed plug (J16) in to 6 way plug on the GEV Installation Adaptor.
3. Remove plug J12 from the GEV PCB.
4. Connect the removed plug (J12) in to 4 way plug on the GEV Installation Adaptor.
5. **When the encoder is operational the plugs J16 and J12 must be replaced in the GEV PCB.**

NOTE: The GEV PCB is NOT powered during this procedure.

