

# STANNAH LIFTS LTD

# 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				

## <u>Detail</u>

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 Pendent, 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.

07/02/07\dc\liftsdesign\$/Tech Documents/Technical Bulletins\TB44 - GEV UP Travel Problem.doc Page 1 of 2



## 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' pendents or shorting links.

MRC     JobNo     Week     Fitter     Tester     Date     Test Date       MRL1     260322     04-Dec-06     Lee Oaten     MD     19-Dec-06     N       MRL1     260323     11-Dec-06     Olympic     25-Jana07     N       MRL1     260327     11-Dec-06     Olympic     01-Feb.07     N       MRL1     260363     11-Dec-06     Paul Lancaster     TM     09-Jana07     06-Feb-07       MRL1     260332     01-Jan-07     Kevin Elliott     TK     05-Feb-07     09-Feb-07       MRL1     260310     01-Jan-07     Kevin Elliott     MS     23-Feb-07       MRL1     260120     15-Jan-07     Kevin Clarke     15-Feb-07     26-Feb-07       MRL1     260138     22-Jan-07     Midland Lift Company Ltc     03-Feb-07     22-Mar-07       MRL1     260138     29-Jan-07     Kein Elliott     TK     14-Feb-07     22-Mar-07       MRL1     260129     15-Jan-07     Kein Elliott     TK     14-Feb-07     22-Mar-07       MRL1				Assembly			Delivery	
MRL     260322     04-Dec-06     Lee Oaten     MD     19-Dis-06       MRLI     260295     11-Dec-06     Olympic     01-Feb-07       MRLI     260363     11-Dec-06     Revin Ellioti     MS     09-Jan-07     06-Feb-07       MRLI     260355     11-Dec-06     Paul Lancaster     TM     09-Jan-07     06-Feb-07       MRLI     260352     01-Jan-07     Midland Lift Company Ltc     PB     06-Feb-07     19-Mar-07       MRLI     260315     01-Jan-07     Kevin Ellioti     TK     05-Feb-07     18-Jan-07       MRLI     260316     02-Jan-07     Kevin Clarke     15-Feb-07     28-Feb-07       MRLI     260138     22-Jan-07     Kevin Clarke     15-Feb-07     22-Feb-07       MRLI     260138     22-Jan-07     Kevin Clarke     15-Feb-07     22-Apr-07       MRLI     260138     22-Jan-07     Kevin Ellioti     TK     14-Feb-07     22-Apr-07       MRLI     260138     29-Jan-07     Kevin Ellioti     TK     14-Feb-07     22-Apr-07		MRC	JobNo	Week	Fitter	Tester	Date	Test Date
MRLI     260322     04-Dec-06     Olympic     25-Jan 07       MRLI     260235     11-Dec-06     Olympic     01-Feb-07       MRLI     260335     11-Dec-06     Olympic     01-Feb-07       MRLI     260335     11-Dec-06     Revin Elliott     MS     09-Jan-07     06-Feb-07       MRLI     260335     01-Jan-07     Midland Lift Company Ltc     PB     06-Feb-07     28-Feb-07       MRLI     260315     01-Jan-07     Midland Lift Company Ltc     PB     06-Feb-07     28-Feb-07       MRLI     260301     08-Jan-07     Olympic     06-Feb-07     06-Feb-07       MRLI     260136     22-Jan-07     Kevin Clarke     15-Feb-07     02-Apr-07       MRLI     260138     22-Jan-07     Midland Lift Company Ltc     08-Feb-07     02-Apr-07       MRLI     260138     29-Jan-07     Akvin Elliott     TK     14-Feb-07     02-Apr-07       MRLI     260229     15-Dec-06     Olympic     15-Feb-07     02-Apr-07       MRLI     260229     15-Jan-07     Ke								
Best MRL 260295     11-Dec-06 Olympic     25-Jan-07       MRL 260327     11-Dec-06 Paul Lancaster     TM     09-Jan-07     06-Feb-07       MRL 260335     11-Dec-06 Paul Lancaster     TM     09-Jan-07     06-Feb-07       MRL 260332     01-Jan-07 Kevin Elliott     TK     05-Feb-07     28-Feb-07       MRL 260315     01-Jan-07 Kevin Elliott     TK     05-Feb-07     28-Feb-07       MRL 260310     08-Jan-07 Olympic     18-Jan-07     0     28-Feb-07       MRL 260131     22-Jan-07 Kevin Elliott     MS     23-Jan-07     0       MRL 260131     22-Jan-07 Midland Lift Company Ltc     21-Feb-07     0     0       MRL 260138     22-Jan-07 Midland Lift Company Ltc     21-Feb-07     0	Q	MRLi	260322	04-Dec-06	Lee Oaten	MD	19-Dec-06	
A     MRLI     260227     11-Dec-06     Kevin Elliott     MS     09-Jan-07     06-Feb-07       MRLI     260335     11-Dec-06     Paul Lancaster     TM     09-Jan-07     06-Feb-07       MRLI     260335     11-Dec-06     Paul Lancaster     TM     09-Jan-07     19-Mar-07       MRLI     260315     01-Jan-07     Kevin Elliott     TK     06-Feb-07       MRLI     260310     08-Jan-07     Olympic     06-Feb-07       MRLI     260120     15-Jan-07     Kevin Clarke     15-Feb-07       MRLI     260136     22-Jan-07     Kevin Elliott     TK     14-Feb-07       MRLI     260136     23-Jan-07     Kevin Elliott     TK     14-Feb-07       MRLI	ere	MRLi	260295	11-Dec-06	Olympic		25-Jan-07	
B     MRLi     260353     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     19-Mar-07       MRLi     260332     01-Jan-07     Kevin Elliott     TK     05-Feb-07     28-Feb-07       MRLi     260315     01-Jan-07     Kevin Elliott     TK     05-Feb-07       MRLi     260310     15-Jan-07     Kevin Clarke     16-Feb-07       MRLi     260120     15-Jan-07     Kevin Clarke     15-Feb-07       MRLi     260136     22-Jan-07     Midland Lift Company Ltc     08-Feb-07       MRLi     260138     22-Jan-07     Kevin Elliott     TK     14-Feb-07       MRLi     260129     15-Jan-07     Kevin Elliott     TK     14-Feb-07       MRLi     260128     12-Dar-07     Kevin Elliott     TK     14-Feb-07       MRLi     260129     13-an-07     Kevin Elliott     TK     14-Feb-07       MRLi     260123     13-an-07     Kevin	, i	MRLi	260227	11-Dec-06	Olympic		01-Feb-07	
WRLi     260355     11-Dec-06     Paul Lancaster     TM     09-Jan-07     06-Feb-07       MRLi     260332     01-Jan-07     Kevin Elliott     TK     05-Feb-07     28-Feb-07       MRLi     260315     01-Jan-07     Kevin Elliott     TK     05-Feb-07     28-Feb-07       MRLi     260310     08-Jan-07     Olympic     06-Feb-07     06-Feb-07       MRLi     260120     15-Jan-07     Kevin Elliott     MS     23-Jan-07       MRLi     260138     22-Jan-07     Midland Lift Company Ltc     08-Feb-07       MRLi     260138     22-Jan-07     Midland Lift Company Ltc     01-Feb-07       MRLi     260138     23-Jan-07     Midland Lift Company Ltc     01-Feb-07       MRLi     260138     29-Jan-07     Kevin Elliott     TK     14-Feb-07       MRLi     260138     29-Jan-07     Kevin Elliott     TK     14-Feb-07       MRLi     260228     11-Dec-06     Olympic     15-Feb-07     22-Mar-07       MRLi     260229     16-Jan-07     Midland Lift Company Lt	ifactured & De	MRLi	260363	11-Dec-06	Kevin Elliott	MS	09-Jan-07	06-Feb-07
B     MRLi     260332     01-Jan-07     Kiel nellioti     TK     05-Feb-07     28-Feb-07       MRLi     260226     08-Jan-07     Olympic     18-Jan-07     Nellioti     75-Feb-07       MRLi     260226     08-Jan-07     Olympic     06-Feb-07       MRLi     260120     15-Jan-07     Kevin Clarke     15-Feb-07       MRLi     260136     22-Jan-07     Kevin Clarke     15-Feb-07       MRLi     260138     22-Jan-07     Kevin Clarke     15-Feb-07       MRLi     260138     22-Jan-07     Midland Lift Company Ltc     08-Feb-07       MRLi     260183     29-Jan-07     Kevin Ellioti     TK     14-Feb-07     02-Apr-07       MRLi     260129     15-Jan-07     Kevin Ellioti     TK     20-Feb-07     16-Apr-07       MRLi     2602291     08-Jan-07     Keith Gill     MRLi     2602291     08-Jan-07       MRLi     2602291     08-Jan-07     Mdy Kinsella, A.M.E     90     90     90     90       MRLi     2602371     15-Jan-07 <td>MRLi</td> <td>260355</td> <td>11-Dec-06</td> <td>Paul Lancaster</td> <td>ТМ</td> <td>09-Jan-07</td> <td>06-Feb-07</td>		MRLi	260355	11-Dec-06	Paul Lancaster	ТМ	09-Jan-07	06-Feb-07
NRLi     260315     01-Jan-07     Kevin Ellioti     TK     055-Feb-07     28-Feb-07       MRLi     260326     08-Jan-07     Olympic     065-Feb-07     065-Feb-07       MRLi     260120     15-Jan-07     Kevin Ellioti     MS     23-Jan-07     26-Feb-07       MRLi     260130     22-Jan-07     Kevin Clarke     15-Feb-07     16-Feb-07       MRLi     260133     22-Jan-07     Midland Lift Company Ltc     21-Feb-07     17-Feb-07       MRLi     260138     22-Jan-07     Midland Lift Company Ltc     21-Feb-07     02-Apr-07       MRLi     260129     15-Jan-07     Kevin Ellioti     TK     14-Feb-07     02-Apr-07       MRLi     260224     29-Jan-07     Aistair Gilmou     MD     07-Feb-07     22-Mar-07       MRLi     2602291     08-Jan-07     Kevin Ellioti     TK     20-Feb-07     30-Apr-07       MRLi     2602291     15-Jan-07     Andy Kinsella, A.M.E     16-Apr-07     16-Apr-07       MRLi     260339     15-Jan-07     Andy Kinsella, A.M.E     19-Mar-07		MRLi	260332	01-Jan-07	Midland Lift Company Ltc	PB	06-Feb-07	19-Mar-07
MRLi     260226     08-Jan-07     Olympic     16-Jan-07       MRLi     260130     08-Jan-07     Kevin Ellioti     MS     23-Jan-07     26-Feb-07       MRLi     260130     22-Jan-07     Kevin Ellioti     MS     23-Jan-07     26-Feb-07       MRLi     260137     22-Jan-07     Kevin Clarke     15-Feb-07     08-Feb-07       MRLi     260138     22-Jan-07     Midland Lift Company Ltc     03-Feb-07     02-Apr-07       MRLi     260138     22-Jan-07     Midland Lift Company Ltc     21-Feb-07     02-Apr-07       MRLi     260183     29-Jan-07     Kevin Ellioti     TK     14-Feb-07     02-Apr-07       MRLi     260241     29-Jan-07     Kevin Ellioti     TK     20-Feb-07     16-Apr-07       MRLi     260291     08-Jan-07     Kevin Ellioti     TK     20-Feb-07     30-Apr-07       MRLi     260291     08-Jan-07     Midland Lift Company Ltc     PB     26-Feb-07     30-Apr-07       MRLi     260297     15-Jan-07     Andy Kinsella, A.M.E     16-Met-07		MRLi	260315	01-Jan-07	Kevin Elliott	TK	05-Feb-07	28-Feb-07
MRLi     260301     08-Jan-07     Olympic     065-Feb-07       MRLi     260130     15-Jan-07     Kevin Clarke     15-Feb-07       MRLi     260137     22-Jan-07     Kevin Clarke     15-Feb-07       MRLi     260138     22-Jan-07     Midland Lift Company Ltc     08-Feb-07       MRLi     260138     22-Jan-07     Midland Lift Company Ltc     21-Feb-07       MRLi     260183     22-Jan-07     Kevin Elliott     TK     14-Feb-07       MRLi     260129     15-Jan-07     Kevin Elliott     TK     14-Feb-07     02-Apr-07       MRLi     260294     10-Dec-06     Olympic     TK     20-Feb-07     16-Apr-07       MRLi     260291     08-Jan-07     Kevin Elliott     TK     20-Feb-07     30-Apr-07       MRLi     260229     11-Dec-06     Olympic     D     20     20-Feb-07     30-Apr-07       MRLi     260294     08-Jan-07     Midland Lift Company Ltc     PB     26-Feb-07     30-Apr-07       MRLi     260294     08-Jan-07     Midland Lift		MRLi	260226	08-Jan-07	Olympic		18-Jan-07	
S     MRLi     260120     15-Jan-07     Kevin Elliott     MS     23-Jan-07     26-Feb-07       MRLi     260136     22-Jan-07     Midland Lift Company Ltc     08-Feb-07     08-Feb-07       MRLi     260138     22-Jan-07     Midland Lift Company Ltc     21-Feb-07     07       MRLi     260138     22-Jan-07     Midland Lift Company Ltc     21-Feb-07     07       MRLi     260138     22-Jan-07     Midland Lift Company Ltc     21-Feb-07     07       MRLi     260129     15-Jan-07     Kevin Elliott     TK     14-Feb-07     02-Apr-07       MRLi     260244     29-Jan-07     Kevin Elliott     TK     20-Feb-07     16-Apr-07       MRLi     260291     08-Jan-07     Keith Gill	anu	MRLi	260301	08-Jan-07	Olympic		06-Feb-07	
MRLi     260136     22-Jan-07     Midland Lift Company Ltc     08-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     260138     22-Jan-07     Kevin Elliott     TK     14-Feb-07       MRLi     260138     29-Jan-07     Kevin Elliott     TK     14-Feb-07     02-Apr-07       MRLi     260244     29-Jan-07     Kevin Elliott     TK     20-Feb-07     16-Apr-07       MRLi     260228     11-Dec-06     Olympic     14     14     14       MRLi     260229     11-Dec-06     Olympic     14     14     16-Apr-07       MRLi     260229     11-Dec-06     Olympic     14     14     14     16     16       MRLi     260297     15-Jan-07     Andy Kinsella, A.M.E     15     14     14     14     14     14     14     14     14     14     14     14     14     14     14	Ř	MRLi	260120	15-Jan-07	Kevin Elliott	MS	23-Jan-07	26-Feb-07
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     260129     15-Jan-07     Kevin Elliott     TK     14-Feb-07       MRLi     260129     15-Jan-07     Kevin Elliott     TK     14-Feb-07     02-Apr-07       MRLi     260244     29-Jan-07     Kevin Elliott     TK     20-Feb-07     16-Apr-07       MRLi     260229     11-Dec-06     Olympic     16-Apr-07     16-Apr-07       MRLi     260229     11-Dec-06     Olympic     14-Mathietee     16-Apr-07       MRLi     260291     08-Jan-07     Midland Lift Company Ltc     PB     26-Feb-07     30-Apr-07       MRLi     260291     15-Jan-07     Andy Kinsella, A.M.E     14-Mathietee     14-Mathietee     14-Mathietee       MRLi     260317     15-Jan-07     Andy Kinsella, A.M.E     14-Mathietee     14-Mathietee     14-Mathietee     14-Mathiete <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
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     260138     29-Jan-07     Kevin Elliott     TK     14-Feb-07     02-Apr-07       MRLi     260291     15-Jan-07     Kevin Elliott     TK     20-Feb-07     16-Apr-07       MRLi     260291     08-Jan-07     Kevin Elliott     TK     20-Feb-07     16-Apr-07       MRLi     260292     11-Dec-06     Olympic     2     2     2     Mar-07       MRLi     260292     11-Dec-06     Olympic     2     2     2     30-Apr-07       MRLi     260291     15-Jan-07     Andy Kinsella, A.M.E     2     2     30-Apr-07       MRLi     260376     15-Jan-07     Michael Raynsforc     19-Mar-07     2     2     2       MRLi     260379     22-Jan-07     Brendan Cleary     2     2     2 <td< td=""><td></td><td>MRLi</td><td>260136</td><td>22-Jan-07</td><td>Kevin Clarke</td><td></td><td>15-Feb-07</td><td></td></td<>		MRLi	260136	22-Jan-07	Kevin Clarke		15-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     260129     29-Jan-07     Kevin Elliott     TK     20-Feb-07     22-Mar-07       MRLi     260224     29-Jan-07     Kevin Elliott     TK     20-Feb-07     16-Apr-07       MRLi     260229     08-Jan-07     Keith Gill		MRLi	260137	22-Jan-07	Midland Lift Company Ltc		08-Feb-07	
8   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   Kevin Elliott   TK   14-Feb-07   02-Apr-07     MRLi   260244   29-Jan-07   Kevin Elliott   TK   20-Feb-07   16-Apr-07     MRLi   260228   11-Dec-06   Olympic	U O	MRLi	260138	22-Jan-07	Midland Lift Company Ltc		21-Feb-07	
MRLi     260129     15-Jan-07     Kevin Elliott     TK     14-Feb-07     02-Apr-07       MRLi     260183     29-Jan-07     Alistair Gilmoun     MD     07-Feb-07     22-Mar-07       MRLi     260244     29-Jan-07     Kevin Elliott     TK     20-Feb-07     16-Apr-07       MRLi     260291     08-Jan-07     Kevin Elliott     TK     20-Feb-07     16-Apr-07       MRLi     260292     11-Dec-06     Olympic     14-Feb-07     22-Mar-07       MRLi     260293     18-Jan-07     Midland Lift Company Ltc     PB     26-Feb-07     30-Apr-07       MRLi     260391     15-Jan-07     Andy Kinsella, A.M.E     14-Feb-07     14-Mar-07       MRLi     260316     12-Jan-07     Michael Raynsforc     19-Mar-07     14-May-07       MRLi     260316     22-Jan-07     Brendan Cleary     14-May-07     14-May-07       MRLi     260395     05-Feb-07     Andy Kinsella, A.M.E     14-May-07     14-May-07       MRLi     260220     05-Feb-07     Andy Kinsella, A.M.E     14-May-07	so	MRLi	260296	11-Dec-06	Olympic		15-Feb-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       MRLi     260291     08-Jan-07     Kevin Elliott     TK     20-Feb-07     16-Apr-07       MRLi     260292     11-Dec-06     Olympic     2     2     2       MRLi     260293     08-Jan-07     Midland Lift Company Ltc     PB     26-Feb-07     30-Apr-07       MRLi     260391     15-Jan-07     2     4     2     30-Apr-07       MRLi     260391     15-Jan-07     2     4     2     4       MRLi     260316     12-Jan-07     Andy Kinsella, A.M.E     2     4       MRLi     260316     12-Jan-07     Brendan Cleary     4     4     4       MRLi     260316     22-Jan-07     Brendan Cleary     4     4     4       MRLi     260320     05-Feb-07     Andy Kinsella, A.M.E     4     4     4 <tr< td=""><td>ery</td><td>MRLi</td><td>260129</td><td>15-Jan-07</td><td>Kevin Elliott</td><td>ΤK</td><td>14-Feb-07</td><td>02-Apr-07</td></tr<>	ery	MRLi	260129	15-Jan-07	Kevin Elliott	ΤK	14-Feb-07	02-Apr-07
MRLi     260244     29-Jan-07     Kevin Ellioti     TK     20-Feb-07     16-Apr-07       MRLi     260291     08-Jan-07     Keith Gill     Image: Comparison of the comparis	lix.	MRLi	260183	29-Jan-07	Alistair Gilmour	MD	07-Feb-07	22-Mar-07
MRLi     260229     08-Jan-07     Keith Gill     Image: Control of the state of the st	Ď	MRLi	260244	29-Jan-07	Kevin Elliott	ΤK	20-Feb-07	16-Apr-07
MRLi     260291     08-Jan-07     Keith Gill     Image: Complete Complet								
MRLi     260228     11-Dec-06     Olympic     Image: Control of the state s		MRLi	260291	08-Jan-07	Keith Gill			
MRLi     260229     11-Dec-06     Olympic     All       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     Image: Comparison of the company Ltc     PB     26-Feb-07     30-Apr-07       MRLi     260339     15-Jan-07     MARLi     260316     22-Jan-07     Midland Lift Company Ltc     PB     26-Feb-07     Marci     260316     22-Jan-07     Midland Lift Company Ltc     PB     Marci     260316     22-Jan-07     Midland Lift Company Ltc     PB     Marci     260316     22-Jan-07     Midland Lift Company Ltc     19-Mar-07     Marci     260316     22-Jan-07     Midland Lift Company Ltc     Marci     260316     22-Jan-07     Marci     28-Feb-07     14-May-07       MRLi     260395     05-Feb-07     Andy Kinsella, A.M.E     M	<b>Deliveries TBC.</b>	MRLi	260228	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	260229	11-Dec-06	Olympic			
MRLi   260297   15-Jan-07   Andy Kinsella, A.M.E   Image: Construct of the system of th		MRLi	260294	08-Jan-07	Midland Lift Company Ltc	PB	26-Feb-07	30-Apr-07
MRLi     260339     15-Jan-07     Image: Mage:		MRLi	260297	15-Jan-07	Andy Kinsella, A.M.E			
MRLi     260317     15-Jan-07     Andy Kinsella, A.M.E     Image: March of the system of the sy		MRLi	260339	15-Jan-07				
MRLi     260356     15-Jan-07     Michael Raynsforc     19-Mar-07       MRLi     260316     22-Jan-07     Olympic     1       MRLi     260379     22-Jan-07     Brendan Cleary     1       MRLi     260141     29-Jan-07     Kevin Elliott     TK     02-Apr-07     14-May-07       MRLi     260395     05-Feb-07     Kevin Elliott     TK     02-Apr-07     14-May-07       MRLi     260322     05-Feb-07     Kevin Clarke     28-Feb-07     14-May-07       MRLi     260221     05-Feb-07     Andy Kinsella, A.M.E     1     <		MRLi	260317	15-Jan-07	Andy Kinsella, A.M.E			
MRLi     260316     22-Jan-07     Olympic     Image: Constraint of the system of	e.	MRLi	260356	15-Jan-07	Michael Raynsforc		19-Mar-07	
Open     MRLi     260379     22-Jan-07     Brendan Cleary     Image: MRLi     Colored Stress     MRLi     260141     29-Jan-07     Kevin Elliott     TK     02-Apr-07     14-May-07       MRLi     260141     29-Jan-07     Kevin Clarke     28-Feb-07     14-May-07       MRLi     260222     05-Feb-07     Andy Kinsella, A.M.E     Image: MRLi     260221     05-Feb-07     14-May-07       MRLi     260221     05-Feb-07     Andy Kinsella, A.M.E     Image: MRLi     260220     05-Feb-07     Image: MRLi     260221     05-Feb-07     Image: MRLi     260223     12-Feb-07     Image: MRLi     260223     12-Feb-07     Image: MRLi     260385     12-Feb-07     Image: MRLi     260390     19-Feb-07     Image: MRLi     Image: MRLi     260390     19-Feb-07     Image: MRLi     Image: MRLi     Image: MRLi     Image: MRLi     260391     19-Feb-07     Image: MRLi     Image: MR	In storag	MRLi	260316	22-Jan-07	Olympic			
G   MRLi   260141   29-Jan-07   Kevin Elliott   TK   02-Apr-07   14-May-07     MRLi   260395   05-Feb-07   Kevin Clarke   28-Feb-07     MRLi   260222   05-Feb-07   Andy Kinsella, A.M.E   Image: Comparison of the		MRLi	260379	22-Jan-07	Brendan Cleary			
MRLi     260395     05-Feb-07     Kevin Clarke     28-Feb-07       MRLi     260222     05-Feb-07     Andy Kinsella, A.M.E     Image: Comparison of the comparison		MRLi	260141	29-Jan-07	Kevin Elliott	ТК	02-Apr-07	14-Mav-07
MRLi     260395     05-Feb-07     Kevin Clarke     28-Feb-07       MRLi     260222     05-Feb-07     Andy Kinsella, A.M.E     Image: Comparison of the comparison								
MRLi     260222     05-Feb-07     Andy Kinsella, A.M.E     Image: Mage: Mag		MRLi	260395	05-Feb-07	Kevin Clarke		28-Feb-07	
MRLi   260221   05-Feb-07   Andy Kinsella, A.M.E   MS   23-Feb-07   17-May-07     MRLi   260220   05-Feb-07   Andy Kinsella, A.M.E   MS   23-Feb-07   17-May-07     MRLi   260219   05-Feb-07   Andy Kinsella, A.M.E   MS   16-Feb-07   15-May-07     MRLi   260385   12-Feb-07   Andy Kinsella, A.M.E   MS   16-Feb-07   15-May-07     MRLi   260223   12-Feb-07   Olympic   16-Feb-07   15-May-07     MRLi   260100   12-Feb-07   Image: Comparison of the second of		MRLi	260222	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   Andy Kinsella, A.M.E   MS   16-Feb-07   15-May-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	260221	05-Feb-07	Andy Kinsella, A.M.E			
MRLi   260240   05-Feb-07   Mage     MRLi   260219   05-Feb-07   Andy Kinsella, A.M.E   MS   16-Feb-07   15-May-07     MRLi   260385   12-Feb-07   Olympic   Image		MRLi	260220	05-Feb-07	Andy Kinsella, A.M.E	MS	23-Feb-07	17-May-07
MRLi   260219   05-Feb-07   Andy Kinsella, A.M.E   MS   16-Feb-07   15-May-07     MRLi   260385   12-Feb-07   Olympic   Image: Comparison of the		MRLi	260240	05-Feb-07	· · · · · · · · · · · · · · · · · · ·			
MRLi   260385   12-Feb-07   Olympic     MRLi   260223   12-Feb-07   Image: Construction of the second		MRLi	260219	05-Feb-07	Andy Kinsella, A.M.E	MS	16-Feb-07	15-May-07
MRLi   260223   12-Feb-07   Image: Constraint of the second secon		MRLi	260385	12-Feb-07	Olympic			
MRLi   260100   12-Feb-07   Image: Constraint of the second secon		MRLi	260223	12-Feb-07				
MRLi   260195   12-Feb-07   Image: Constraint of the second secon	ture Production	MRLi	260100	12-Feb-07				
MRLi   260390   19-Feb-07   Paul Lancaster   Image: Constraint of the second sec		MRLi	260195	12-Feb-07				
MRLi     260345     19-Feb-07     Olympic       MRLi     260391     19-Feb-07     Alistair Gilmoui       MRLi     260389     19-Feb-07     Paul Lancaster       MRLi     260403     19-Feb-07     Paul Lancaster		MRLi	260390	19-Feb-07	Paul Lancaster			
MRLi     260391     19-Feb-07     Alistair Gilmour       MRLi     260389     19-Feb-07     Paul Lancaster       MRLi     260403     19-Feb-07     Paul Lancaster		MRLi	260345	19-Feb-07	Olympic			
MRLi 260389 19-Feb-07 Paul Lancaster MRLi 260403 19-Feb-07		MRLi	260391	19-Feb-07	Alistair Gilmour			
MRLi 260403 19-Feb-07		MRLi	260389	19-Feb-07	Paul Lancaster			
	Ъ	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)



#### <u>GEV SYSTEM</u> 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.

