

TB 143

TECHNICAL BULLETIN

INFORMATION ONLY

For the Attention of : Stannah Service Engineers.

Date : 18/06/13

Product : Maxilift Hydraulic Lifts fitted with GEV electronic valve

Subject : GEV PCB failures

Pages : 2

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

Overview

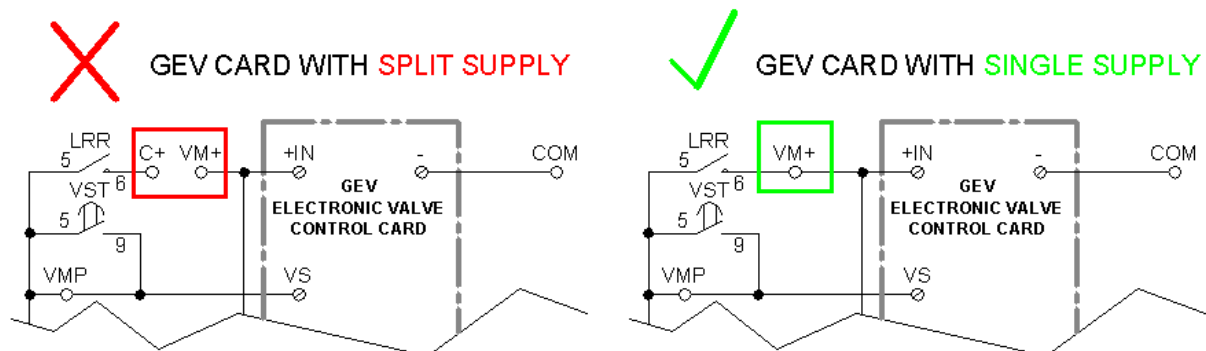
GEV electronic valve control PCB's, used on GEV hydraulic drives, are susceptible to failure if wired with a split (C+ and VM+) supply connection.

All contracts produced and tested between March 2010 and October 2010 are wired with this split supply.

During this same period, service engineers were instructed (via technical bulletin TB96) to split the GEV supply connection if VMD / Pawl Device power supply issues were identified.

Solution

The power supply to the GEV card must be re-connected directly to the VM+ terminal only (see '**SINGLE SUPPLY**' diagram below). In addition to this wiring modification, a dedicated DC power unit is also required to ensure sufficient VM+ supply is maintained.



It is not possible to identify and target all contracts which have been wired with a **SPLIT SUPPLY**. Therefore, the following action is required to all GEV hydraulic Maxilift's during the next scheduled service visit.

Action required by service engineer during nominal service visit:

1. Inspect supply connection to GEV control PCB.
2. No action is required if already wired with a **SINGLE SUPPLY** (see diagram on page 1).
3. If a **SPLIT SUPPLY** is identified (see diagram on page 1), a **dedicated DC power supply kit is required**. This kit contains relevant modification instructions and will ensure the GEV PCB is powered by a single VM+ supply only.
4. Reconnecting to a single VM+ supply must be completed at the same time that the **dedicated DC power supply kit** is installed.

The **dedicated DC power supply kit** is available from the Stannah Lifts spares department. Part number reference = **1009244C**.

Summary

All Maxilift contracts installed with a GEV hydraulic drive system are to be inspected during next scheduled service visit.

If a **SPLIT SUPPLY** (see diagram on page 1) is identified, then a **dedicated DC power supply kit** must be installed to prevent future failure of GEV PCB.