TB 116

TECHNICAL BULLETIN

SAFETY ISSUE

For the Attention of :	Service Engineers, Installers, Trade Customers, Testers, Training Dept, H & S Manager
Date :	26/09/2011
Product :	Maxilift MRLi Hydraulic Passenger Lifts with NGV valve
Subject :	Inconsistent speed of lift platform on pendant control
Pages :	2

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Detail

A number of instances have been reported of lift platforms running at incorrect speeds when operating NGV valves with a pendant controller (or when using "punch leads").

This bulletin is to draw your attention to possible causes of this behaviour and the action required to prevent it.

1. INCORRECT SETTINGS ON THE NGV PCB

Before operating the hydraulic power unit, the settings in Menus 5, 6 and 7 should be programmed to the correct values for the lift.

Specifically, the following parameters must be programmed correctly:
5.1 Lift Ratio must be set to 1:1 for Direct Acting or 2:1 for Tackle
5.2 Jack Diameter must be set to the actual piston diameter (mm)
5.3 Pump Flow must be set to match the pump flow rate (litres/minute)
6.3 Inspection Speed V2 (up) must be set to 0.15m/s
7.3 Inspection Speed V2 (down) must be set to 0.15m/s

Note 1: These values are programmed using the GMV hand held programmer.

2. INSUFFICIENT TIME DELAY BETWEEN RUN COMMANDS

It is necessary to always wait at least 3 seconds between any up or down run commands when operating the NGV. This requirement is detailed in the Stannah "NGV Electronic Valve Installation Guide", section 6.1.

Note 2: In normal service the 3 second delay is achieved by setting Nexus parameters AST, RL1 and RL2 to a minimum of 3 seconds. The car top controls incorporate timers that must be set to 3 seconds (TTU and TTD).

Summary

To ensure correct operation of the NGV valve when using a pendant control or "punch leads" you must:

- Set parameters 5.1, 5.2, 5.3, 6.3 and 7.3 to suit the specific lift configuration
  This should be done <u>before</u> operating the hydraulic power unit for the first time.

- Always wait at least 3 seconds between placing any run commands