

To: Installers
Testers
Trade Customers
Training Centre
Health & Safety Manager

Stannah Lifts Technical Bulletin

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LIFT TYPE: - Stannah Hydraulic Passenger Lifts (System 21)

Introduction

A new 2-piece pit prop has now been introduced for use when engineers are working in the pit.

The pit prop assembly incorporates an electrical interlock fitted to the lower section to prevent the lift from running when the pit prop is located in the working position. The 2-piece assembly also facilitates storage in the pit.

Description

The design consists of:

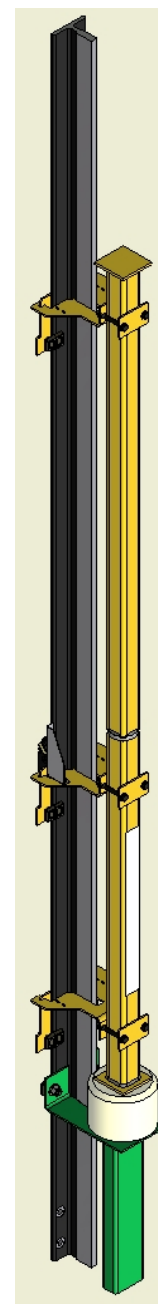
- 1) A bottom stage of 850mm supported by 2 brackets which slide on supporting plates mounted on the guide. The upper of these brackets has a switch activation ramp attached. The switch is mounted on the upper supporting plate.
- 2) An upper stage of 1150mm located by a spigot at the bottom and supported by a bracket at the top along with a supporting plate on the guide.

Note: The support plates are permanently fixed to the guides, so that positioning of the actual prop for servicing is quick and easy.

When work is to be carried out on the underside of the sling (e.g. safety gear adjustment), the top stage may be omitted, to position the lift at a more suitable height.

Note: At all other times both stages should be used while working in the pit.

While the design is linked with the development of the MRLi, these advantages are applicable to all passenger lifts; therefore this design has been made common to all System 21 lifts manufactured from July 05



Installation

- 1) Position the support plates on the guides as shown. Note the position of the plate with the mounting studs for the switch.

Note: The dimensions shown are typical for a standard pit depth of 1100mm. Due to varying site conditions (pit depths etc), it may be necessary to alter these positions and the corresponding bracket on the prop in situations where guide brackets coincide with the desired positions.

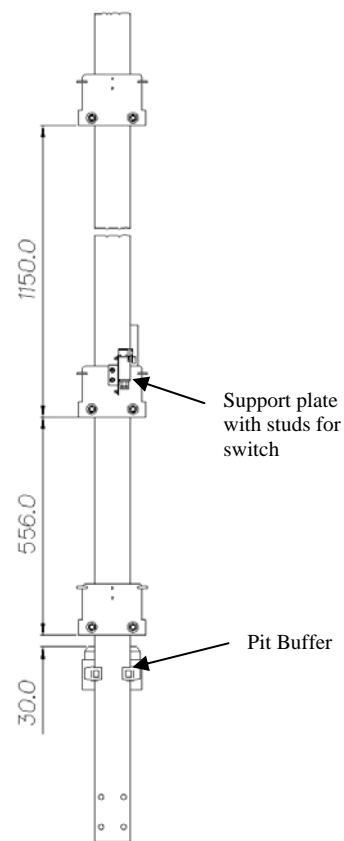


Figure 1

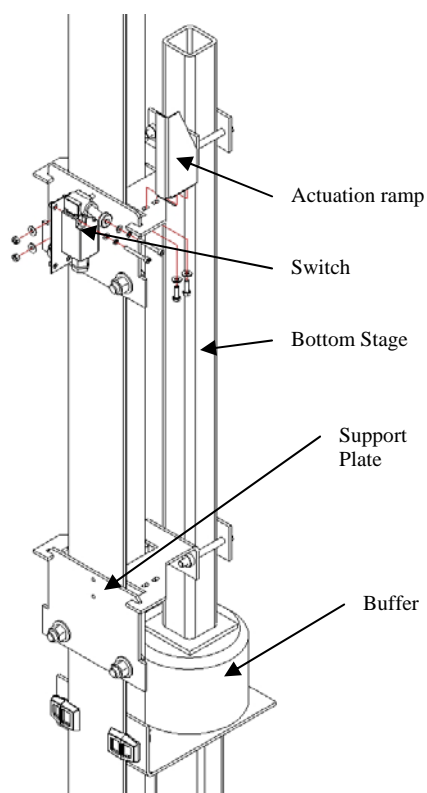
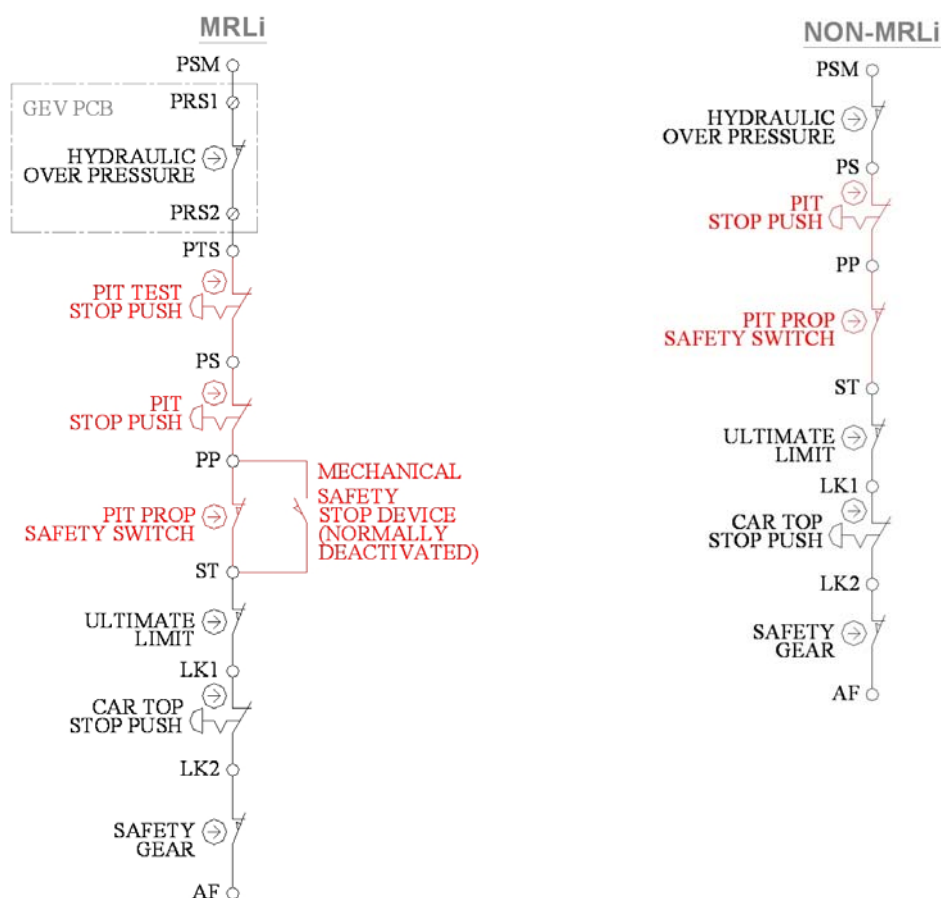


Figure 2

- 2) Fix the activation ramp to the lower stage of the pit prop.
- 3) Fix the switch and its mounting bracket onto the support plate.
- 4) Adjust switch lever arm and the ramp to ensure the switch is operated and the contacts have been broken when the bottom stage of the prop has been put into position.

- 5) The switch should be wired into the safety chain according to the diagrams below. See the AC key wiring diagram for specific lift installations.



Reference Information

- Drg 2000333 revision A – Pit Prop Arrangement. (Refer to user documentation supplied with the lift).

If you require any further information regarding this bulletin please contact the mechanical design office at Stannah Lifts, Andover. Tel. 01264 339090