

TB 125

TECHNICAL BULLETIN

IMPORTANT INFORMATION

For the Attention of : Service Engineers, Installers, Trade Customers, Testers, Training Dept, H & S Manager

Date : 13-03-2012

Product : Maxilift MRL Traction Passenger Lift

Subject : Introduction of Star A3 Overspeed governor with Beta Parking System

Pages : 2

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

Introduction:

The following design change has been introduced to meet the new safety requirements of the amendment A3 to EN81-1 for electric traction lifts. The overspeed governor assembly fitted to the underside of the lift car and corresponding electrical control system have been modified to prevent unintended car movement (UCM) away from a landing.

All Maxilift traction lifts will now be fitted with this new safety device called the 'Star Beta Parking System' which has been subject to type examination certification.

Details of the new design (See diagrams on page 2):

The Beta parking system incorporates a solenoid and hinged actuator that acts as a pawl device which will engage on the centrifugal mechanism of the overspeed governor and hence the safety gear when de-energised. The 24Vdc solenoid withdraws the actuator whenever the lift car is moving and is controlled by the Nexus CDR output.

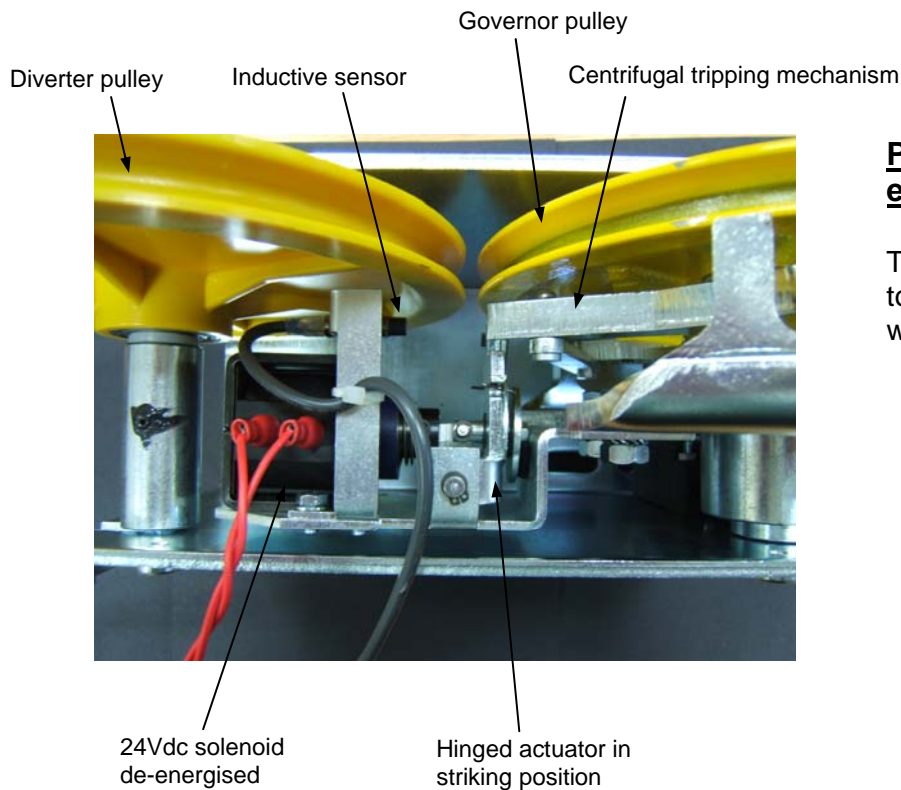
The position of the actuator is monitored by an inductive proximity sensor which will not allow the lift to run if it is not in the correct position. This sensor output feeds the Nexus lift controller input LS.

The Nexus software to incorporate this new system is from version 8.01. Previous software versions are not suitable for use with this overspeed governor.

The mechanism also allows for a minimum tolerance of ± 20 mm when loading or unloading the lift car at floor level.

Running as a working platform:

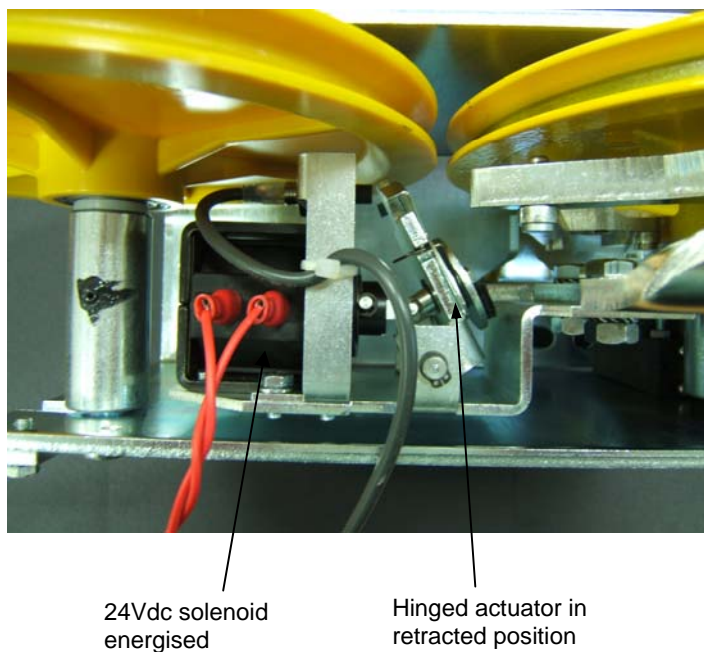
During the installation phase, to 'punch' the lift up or down using the pendant controller, the actuator must be mechanically tied back with a highly visible tag to prevent engaging the overspeed governor. The assembly will still function as normal for overspeeding. This tag must be removed once the lift car is fully wired.



Parking system with solenoid de-energised:

The actuator is in this condition ready to activate the overspeed governor when:

1. The lift is at a standstill with doors open or closed.
2. When remote tripping of the overspeed governor is activated as part of test procedure (fuse removed).



Parking system with solenoid energised:

The actuator is in this condition allowing free rotation of the overspeed governor when:

1. The lift is travelling up or down either on mains power or via the emergency UPS supply during manual release.