

TB 90A

TECHNICAL BULLETIN

INFORMATION ONLY

For the Attention of : Service Engineers, Installers, Testers, Trade Customers, Training Dept.

Date : 20/03/2012 (Re-issued)

Product : Maxilift Traction Passenger Lifts

Subject : Tensioning of Overspeed Governor Rope.

Pages : 1

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Introduction:

This technical bulletin has been re-issued (with rev status 'A') to emphasize the importance of correct installation and maintenance of the overspeed governor rope on the Maxilift traction lift model. Correct tensioning ensures that the two rope safety switches, which are provided to detect rope breakage or a slack rope condition, are set to their *maximum clearance*. Insufficient tensioning of the rope could lead to the switch drive plates in the upper and lower tension device, activating the safety switches after a period of time, thus breaking the electrical safety circuit and putting the lift out of service.

Important Notes:

- 1) During installation the rope should be pre-tensioned to compress the springs such that the plate touches the bracket. However, care should also be taken not to over-tension the rope since this could reduce the life of the rope and the governor.
- 2) Prior to installing and pre-tensioning the rope, the nuts on both tension devices should be set to the end of the thread as shown. This facilitates subsequent tensioning of the rope to accommodate rope stretch which is most prevalent during early use of the lift.
- 3) The rope safety switches mounted on the bracket in the pit and in the headroom are designed to be wired in parallel as shown on wiring diagram 9410/4 of the electrical wiring manual.
- 4) It is recommended that the switch clearances are checked during commissioning of the lift and subsequently at each service interval and if necessary adjusted for maximum clearance.

