

STANNAH LIFTS LTD

TECHNICAL BULLETIN**INFORMATION ONLY**

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

Date : 21/12/09

Product : Traction Passenger Lifts - Maxilift

Subject : Pre-tensioning of Overspeed Governor Rope.

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Detail

Feedback on our recently introduced Maxilift traction lift model has highlighted the importance of applying sufficient tension in the overspeed governor rope. Correct tensioning ensures that the 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 plate in the upper or lower tension device, activating the safety switch after a period of time, thus breaking the electrical safety circuit and putting the lift out of service.

During installation the rope should be pre-tensioned to compress the springs such that the plate touches the bracket. Care should also be taken not to over-tension the rope since this could reduce the life of the rope and the governor.

Important Notes:

- 1) 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.
- 2) It is recommended that these clearances are checked during commissioning of the lift and subsequently at each service interval and if necessary adjusted for maximum clearance.

