Subject: Procedure for checking proper tensioning and calibration of safety rope

Following some checks on the listed lifts, we have found that in some cases the safety ropes were not properly tensioned, which could cause their malfunction and failure.

In order to avoid this malfunction, we recommend to carry out following procedure to check and calibrate the safety ropes.

This procedure is suggested for all TECO H4002E and TECO H4002N series lifts, regardless of their date of production and installation.
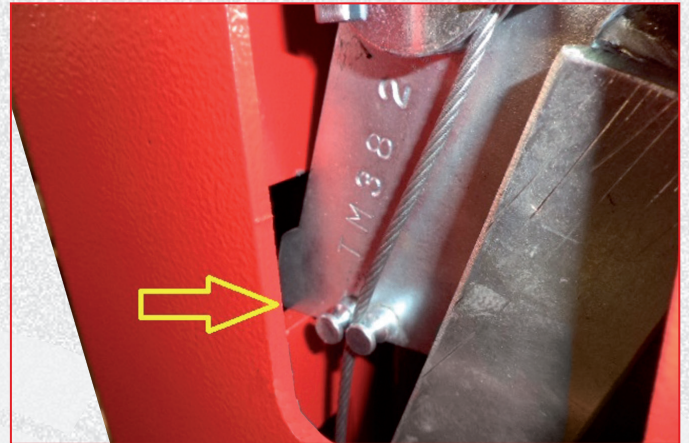
TROLLEY SAFETY ROPE TENSIONING PROCEDURE
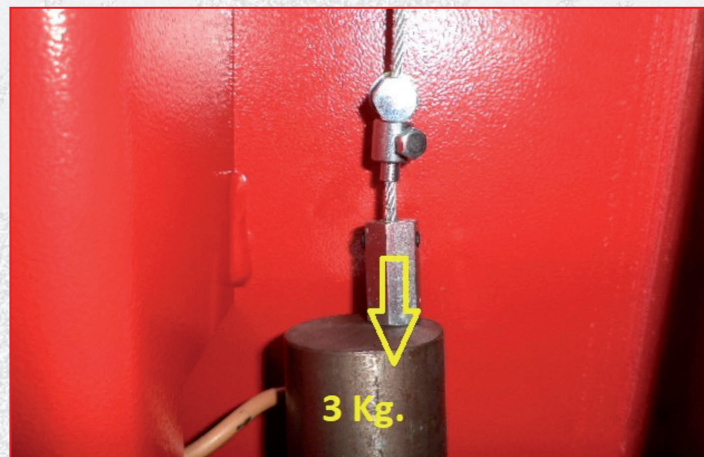
Once the lift is installed, move the trolleys fully up.

Operate the lever, lower the trolleys until reaching the first upper safety tooth.

TECO

AUTOMOTIVE EQUIPMENT

Using the two windows on the external side of the columns, check that the safety devices have completely entered the slots in the columns.

In the lower internal part of the columns, apply a load of approx. 3 kg to the end of the rope to tension it.

3 Kg.

Using a Ch8 hex wrench, loosen the M5 screw of the clamp (A), **bring it into contact with the rope support pin (B)** and tighten the M5 screw to lock it on the rope.

To check that the ropes are properly tensioned, move the trolleys up using the up button on the electrical panel.
With trolleys stopped, press and hold the yellow button.

Check through the column windows that the safety device is completely out of the slot.

Lower the lift to the ground by operating the lowering lever.

When on the ground, move the lift up by 50÷60 cm: you should hear the simultaneous 'clank' of the safety devices going in and out of the rack slots.

Stop and engage the lift mechanical safety by operating the lowering lever.

Check that the trolleys are at the same height by placing the lift safely in different positions.