

**TB 107**

## TECHNICAL BULLETIN

**INFORMATION ONLY**

**INSTALLATION / MAINTENANCE ISSUE**

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

**Date :** 27<sup>th</sup> January 2011

**Product :** Maxilift Traction MRL

**Subject :** **Wiring of the Brake Resistor**

**Pages :**

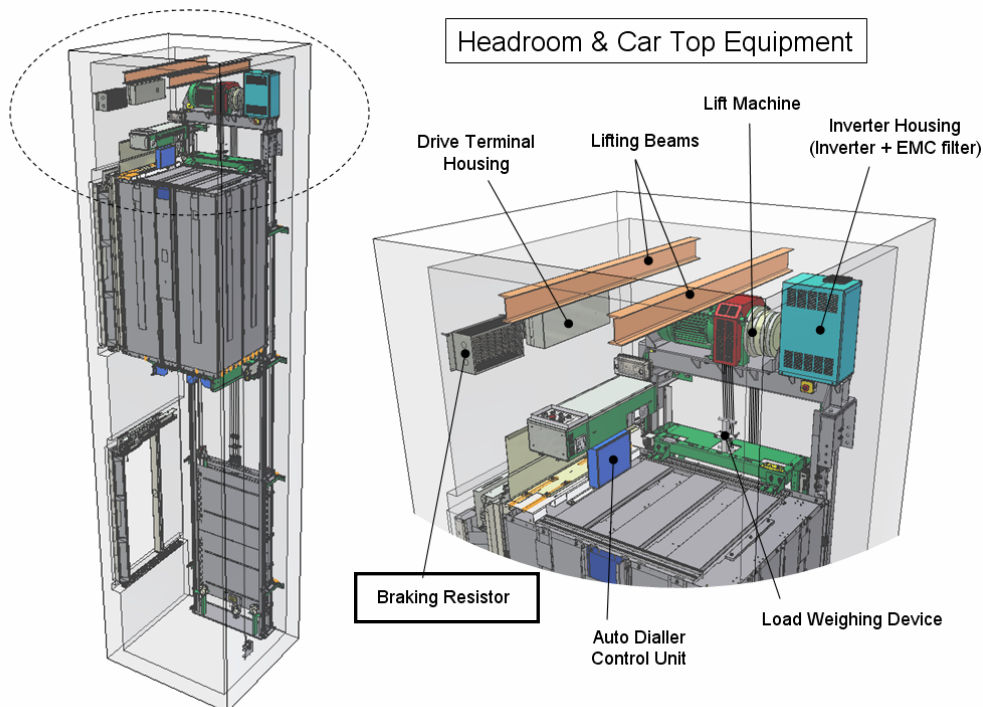
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### Introduction:

This technical bulletin has been compiled following a recent investigation into a breakdown and subsequent major repair to the drive on a Maxilift traction MRL model. The following guidance note should be followed for the correct wiring, and inspection of the wiring, to the brake resistor.

### Details of the component:

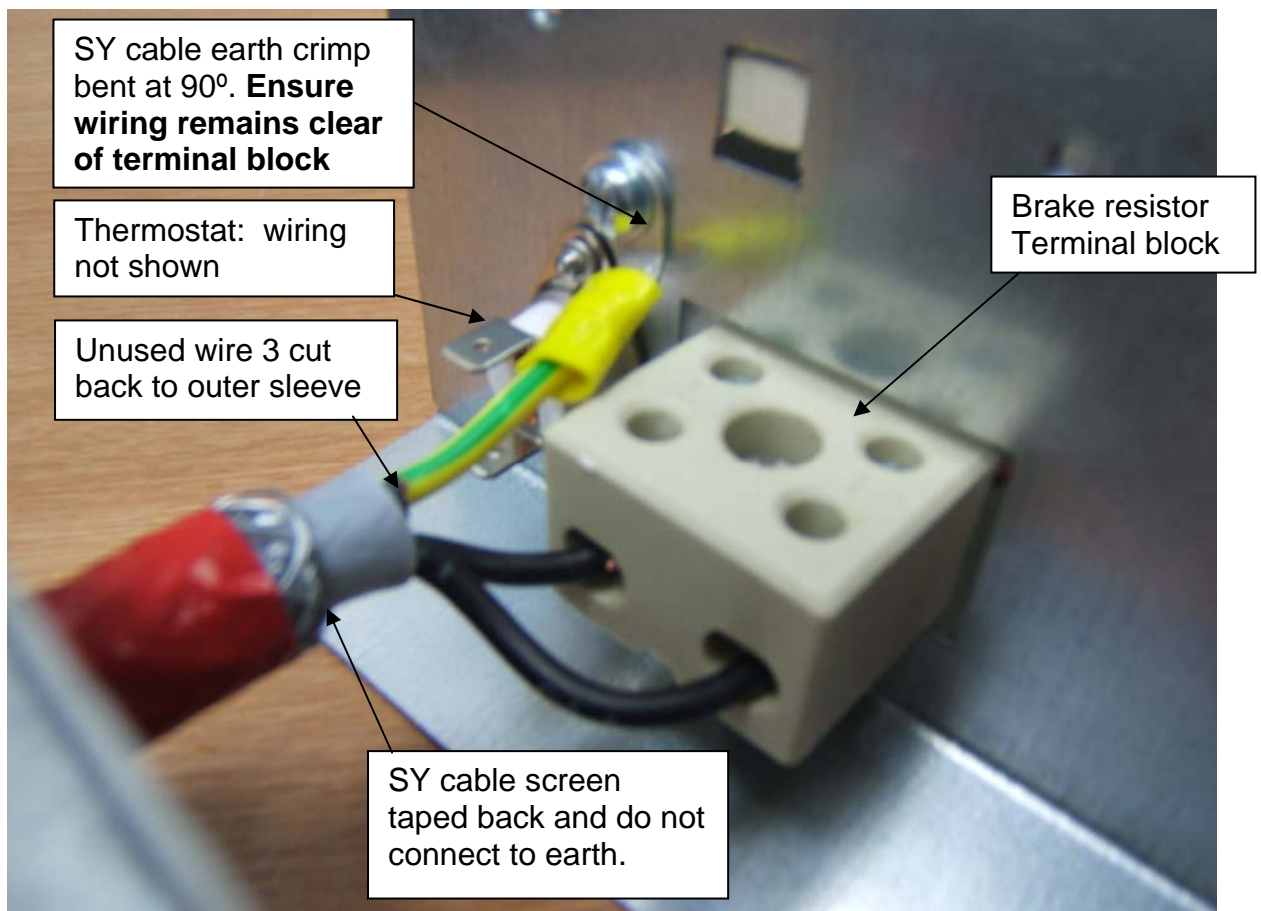
The function of the brake resistor is to dissipate surplus energy in the drive machine when the mechanical load is overhauling the motor. The brake resistor is high voltage equipment and is mounted in the headroom as shown below:



### **Recommended Wiring of the Brake Resistor:**

It is recommended that the brake resistor is wired in accordance with the guidelines below. Please note the following:

- The earth terminal on the SY cable must be routed clear of the brake resistor terminal block and the terminal screws located on top of the terminal block.
- The screen of the SY cable must be folded back and held in place by insulation tape, it is not wired to the brake resistor earth point.
- Wire 3 within the SY cable, which is not used, is cut back to the outer sleeve.



**Brake Resistor Terminal Wiring**

### **Recommended Action for Lifts in Service:**

It is recommended that the wiring to the brake resistor is inspected for signs of any heat damage and is wired in accordance with the above.