

TECHNICAL BULLETIN

RELIABILITY ISSUE

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

Date : 2nd July 2012

Product : Maxilift traction – 8 Person models

Subject : Cooling fan on drive machine

Pages : 1

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This issue relates to the PERMAGSA gearless drive machine which is located in the headroom on Maxilift traction passenger lifts.

It has been brought to our attention that the cooling fan has been incorrectly assembled, by our supplier, on some Permagsa gearless machines. The cooling fan is designed to suck air from the top of the lift well and blow the air over the motor. We have been informed that on some units the fan has been orientated the wrong way around. This results in the cooling fan being less effective which can significantly reduce the duty cycle of the lift, causing the motor to overheat and consequently taking the lift out of service.

The number of units affected is currently being investigated by our supplier.

Recommendations:

It is recommended that the correct orientation of the fan is checked, particularly on any installations where overheating of the motor has been an issue.

This can be done by either:

- Checking the direction of airflow at the motor cowl. If the air is being exhausted from the motor then the fan is incorrectly assembled
- Isolating the fan 240V power supply and removing the motor cowl to expose the cooling fan as shown below.



Cowl secured to motor body
via 4 x M5 Hex head screws

Cowl removed from motor to give
access to cooling fan after isolating
240V power supply

Cooling fan shown in **correct**
orientation with notice facing
inwards towards the motor