Troubleshooting Guide

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Mackworth CP Portable Lift Troubleshooting Guide
Scenario:
Portable Lift does not raise and lower - High Current

Revision: A

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When operating the hand controls, the portable lift LED indicates a single yellow light and an audible alarm will beep once (1s apart) x2 cycles.

Has the portable lift been overloaded during use?

YES → Inform the user that the SWL must not be exceeded during use.

The SWL can be located on the main label and in the user manual.

When the SWL (Safe Working Load) is exceeded, the portable lift will cut power to avoid excessive loading

NO → Unresolved?

Has the Lift Motor and Hub (Spool) gearing warn / jammed?

YES → Clear the swarf/wear from the gearing and inspect the condition.

Common wear is the lift tape fraying within the gearing, or excessive wear to the hub teeth

Excessive wear? → Replace warn components. (e.g, Lift Motor, Hub (Spool) and Lift Tape

Unacceptable Condition – Do not use

Retest the function by operating the hand controls

If there is excessive wear such as swarf from the frictional components, or frayed lift tape within the gearing of the lift, this will jam the rotation of the hub causing the lift to indicate "high current"

Looks Good?

Re-grease the hub and motor shaft and retest the function by operating the hand controls

Unresolved?

NO → Unresolved?

If there is no swarf/wear obstructing the rotation of the hub, there must be a gear box failure within one of the motors.

Either they are not rotating, or there is high friction within the gear box causing a high amperage draw when operated

→ Replace the Lift Motor

Retest the function by operating the hand controls

Key:

- Question
- Action
- Component Replacement
- Supporting Document
- Additional Context and Actions