

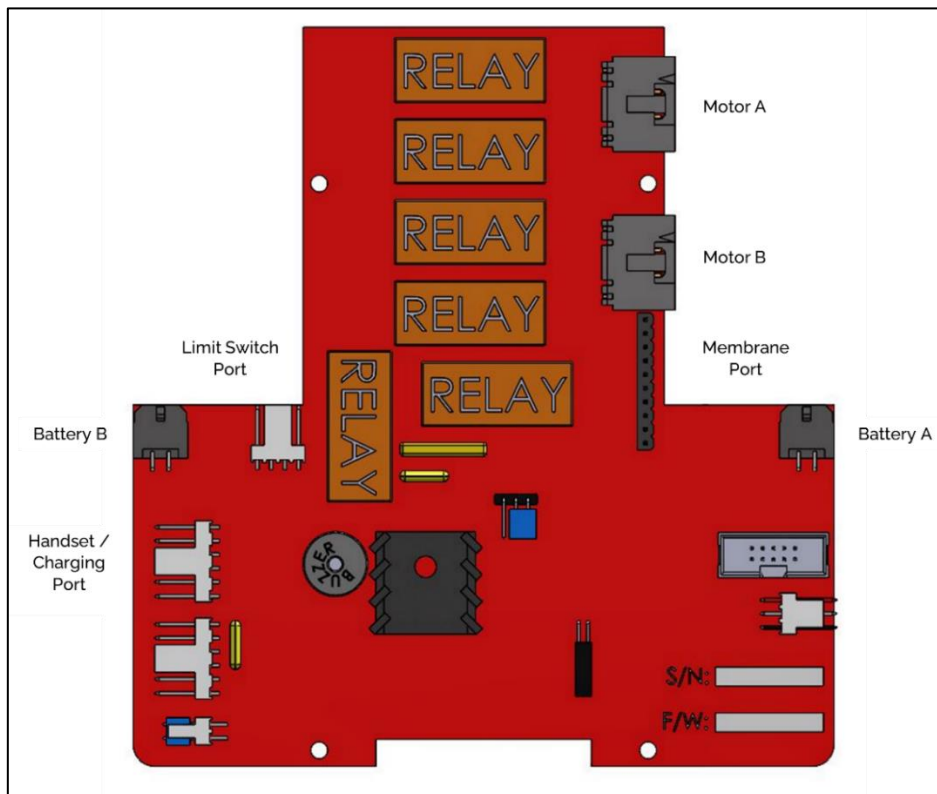
Handset Charging Testing Guide

(Portable Lift has no power)

Covering All Variants of the CP Lift Family

This document will guide you on how to determine a fault with the charging of the portable lift. This may be when the portable lift has no power, or it is clearly not charging when connected to the power supply. Follow the steps below to determine if the related components are functioning correctly. To do this, the portable lift covers must be removed for the final step, for details on how to remove the covers, refer to the service manual for the correct removal procedure.

The diagram below shows each connection port found on the PCB and what component plugs into each port. Ensure that each port is plugged in (where applicable).



Each of the below troubleshooting guides requires a multi-meter to test power inputs and outputs from the board and other electrical components. Prepare the multi-meter by setting it to read DC volts, the red lead (positive) should be plugged into the voltage port, and the black lead (negative) should be plugged into the COM port. The display screen should show a reading of 0.0 volts. To set up for a continuity test, turn the dial to the continuity setting.



Is the handset receiving power through the power supply?

Ensure that the power supply is plugged into the mains supply and turned on.

Step 1

Disconnect the power supply from the handset charging dock to gain access for a voltage test.

Step 2

To determine if the voltage is running through the power lead. Touch the black (negative) lead onto the outside of the jack plug, and the red (positive) lead into the jack plug pin, see image for reference. This should display between **24 and 25v**.



If the power lead is not carrying at least **24v** from the mains supply, this means the power lead is damaged and must be replaced.

If the power supply is receiving the correct voltage, see the next step.

Test Complete

Is the portable lift receiving power through the handset?

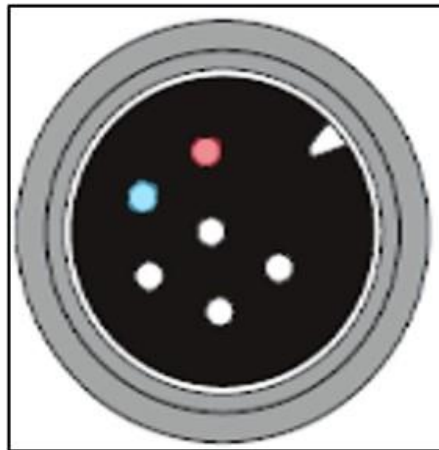
Ensure that the power supply is plugged into the handset and is turned on.

Step 1

Disconnect the handset from the portable lift to gain access for a voltage test.

Step 2

To determine if the voltage is running through the handset, touch the black (negative) lead onto the (blue coloured pin – see image), and the red (positive) lead onto the (red coloured pin – see image). This should display between **24 and 25v**.



If the handset is not carrying at least **24v** from the power supply, this means the handset is damaged and must be replaced.

If the handset is receiving the correct voltage, see the next step.

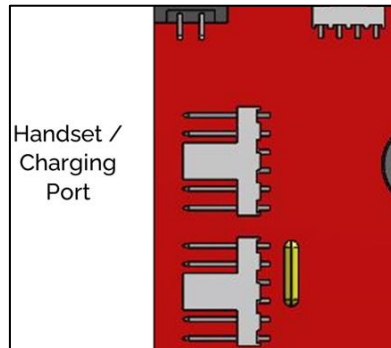
Test Complete

Is the PCB receiving charge through the handset port?

Ensure that the power supply is plugged into the handset, is turned on, and ensure that the handset is plugged into the portable lift.

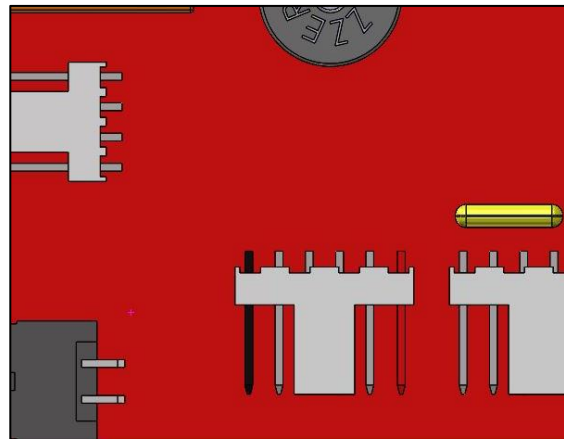
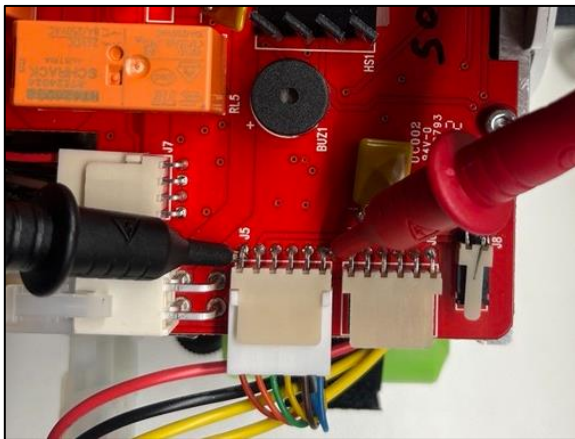
Step 1

Determine the location of the handset port (the portable lift is charged through the handset), this is located at the bottom left-hand side of the board.



Step 2

To determine if the voltage is running through the port. Touch the black (negative) lead onto pin 6, (red wire connection point), and the red (positive) lead onto pin 1, (blue wire connection point). This should display between **23 and 24.5v**.



If the PCB is not receiving at least **23v**, then the power is being lost between the handset port and the PCB, this means that the handset port is broken and needs replacement.

If the PCB port is receiving the correct voltage, the portable lift should indicate a flashing orange LED, if this is not the case, the PCB must be broken and needs replacement.

Test Complete