



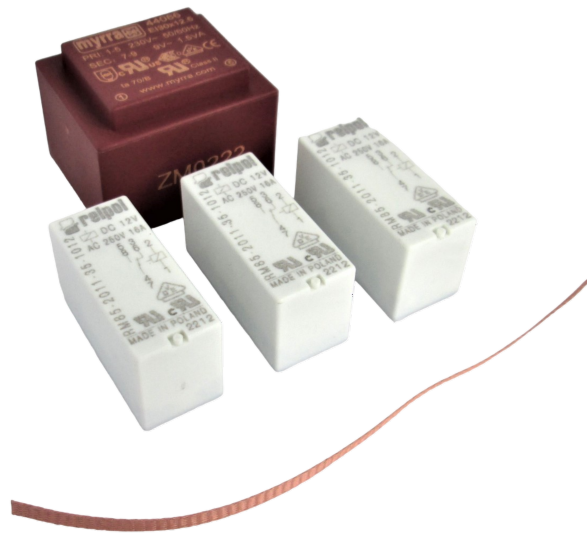
# APULJACK

## ELECTRONICS LTD

DESIGN AND REPAIR SPECIALISTS

### Truma Ultraheat Repair Kit Installation Instructions

Product Code: HEA-APU-010-NE



## 1. Overview

The components included in our Truma repair kit are rated at higher specifications, for longer durability and reliability than the original fitted parts.

The Truma repair kit will solve the common PCB failure faults which are:

- Heat setting not activating
- 500W heat setting function only
- LED on the control switch not turning on

## 2. Kit Contents

- 3 x Relays
- 1 x Transformer
- 1 x Length of de-solder wick

### 3. Equipment Required

- Temperature controlled soldering iron
- Solder
- De-solder wick (provided with kit)
- IPA Solvent (Not essential, but useful to clean the PCB after soldering)

### 4. Fitting Instructions

#### Step-By-Step Guide

1. Place the PCB upside down, switch the soldering iron on. When the soldering iron is at the correct temperature place the end of the solder wick around one of the legs of the component you want to remove and then place the soldering iron on top of it. The solder will melt and be absorbed by the wick. (See fig 1). Do not heat the wick/joint for more than 10 seconds.
2. Using the above technique, de-solder the 8 legs of each relay and 4 legs of the transformer (See fig 2).
3. When all the solder has been removed from the legs of the relays and transformer they will be easy to remove by hand. If they do not come out easily then check all the solder has been removed.
4. This step is optional. After removing the components, clean the pads with IPA. This will make steps 5 & 6 much easier! (See fig 3).
5. Insert the 3 new relays first, then turn the PCB upside down. Solder the relay legs to the PCB making sure that the relay is flush with the PCB. Ideally, solder joints should be a shiny, slightly concave cone shape (See fig.4).
6. Insert the new transformer, turn the PCB over once again and solder the legs making sure that transformer is flush to the PCB.
7. Before fitting the PCB back in the unit, double check that all the legs of the component are secure and well soldered.



Figure 1

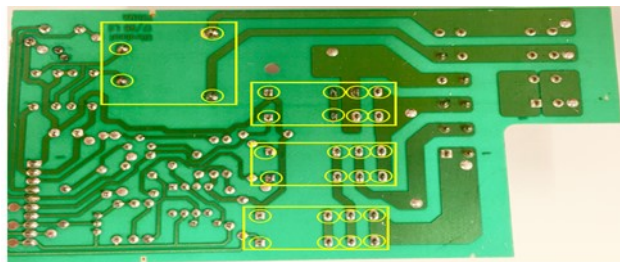


Figure 2

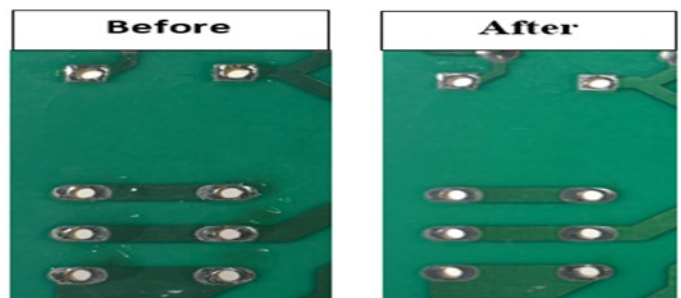


Figure 3

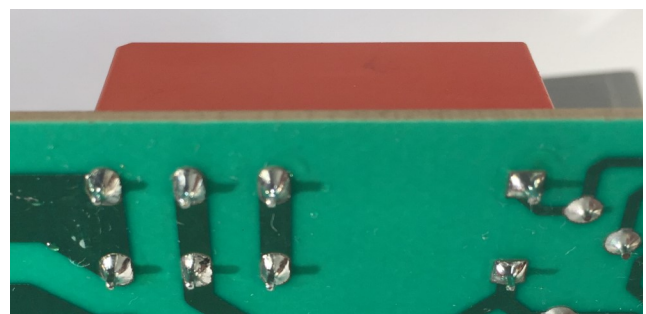


Figure 4