Procedure to upgrade V1 & 2 chargers to V3 hardware.

UPGRADE KITCONTENT

1. V3 Charge controller board x 1

2. PIN security card x 1

3. Serial number label x 1

4. Extended ribbon cable x 1

5. Pilot extension cable x 1

6. Wired energy manager connector x 1

7. Retained fixing screw adapters x 2

8. Slug vent guard lower x 1

9. Slug vent guard upper x 1

10.Spare controller board fixing screws x 4

11. *Optional Ethernet interface kit if ordered*
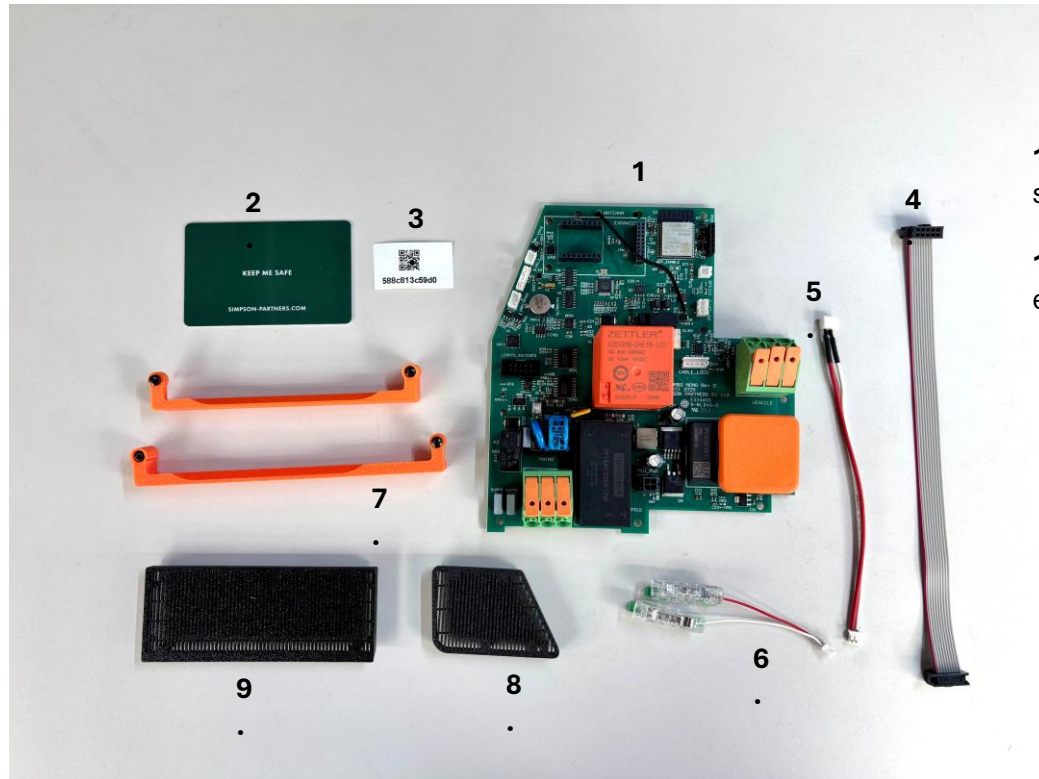
10. Spare fixing screws
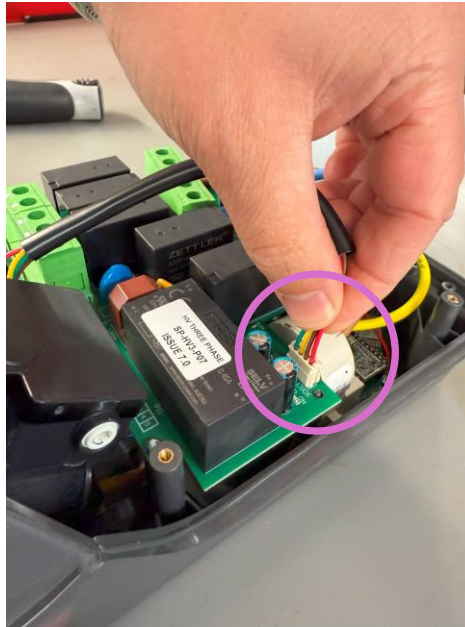
11. Optional ethernet kit

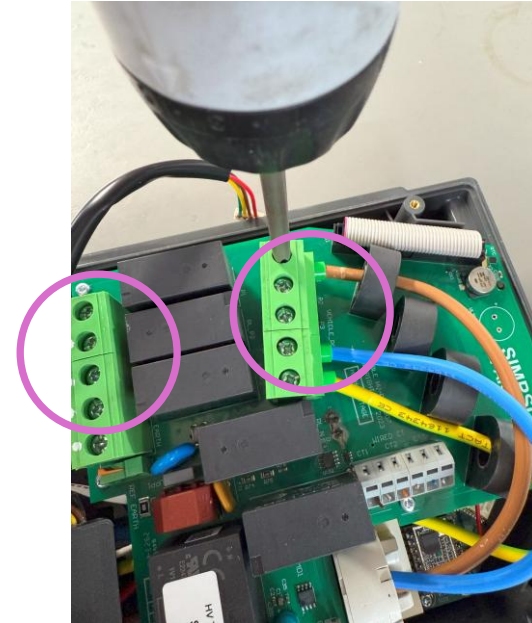# Procedure to remove V1 & V2 hardware

2. Follow the instructions in the installation manual to remove the outer cover and inner core cover.

3. Unplug Cable Lock connector
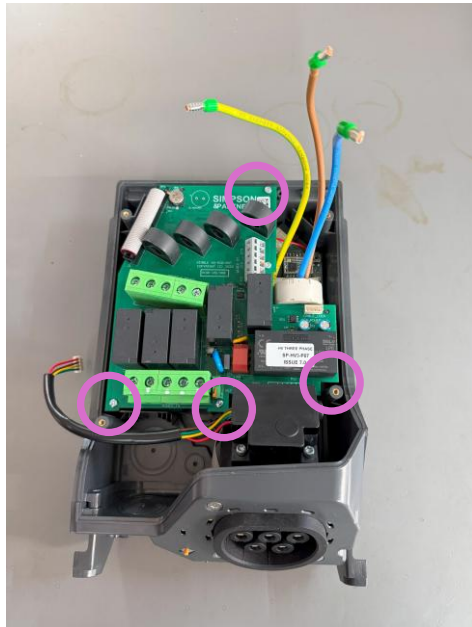

4. Unscrew charger input and outputs cables

WARNING
ELECTRICAL HAZARD

1. **Ensure the charger is Isolated and Powered off before opening the Enclosure**

Tools Required
T10 Torque Bit
Philips Screw Driver

4. Unscrew HV board fixing screws.

5. Remove HV board.
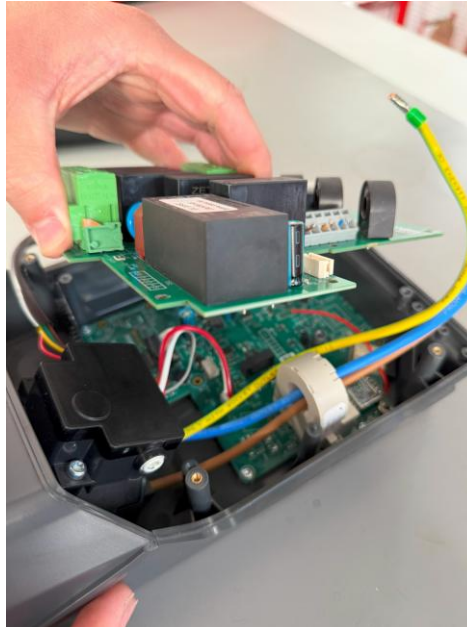
6. Unplug LV board ribbon cable.

7. Unplug ribbon cable from LV board.
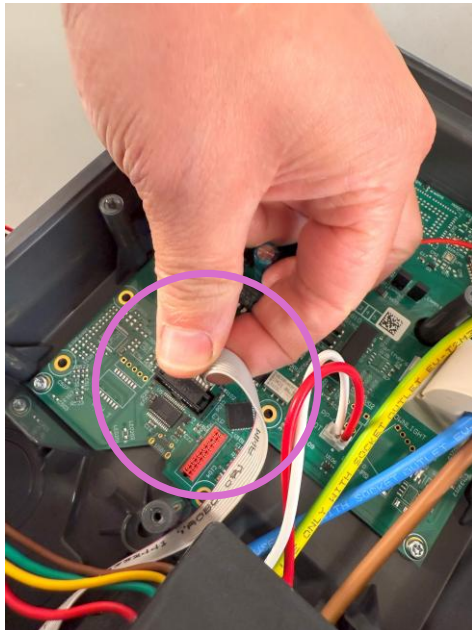
8. Unplug pilot cable
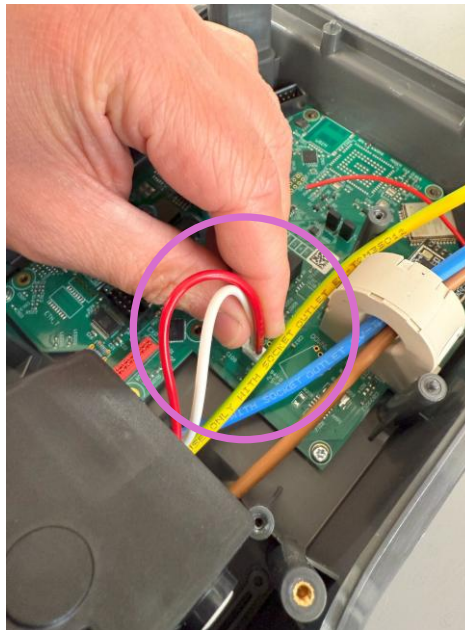
9. Pull sockets cables out through the RCM
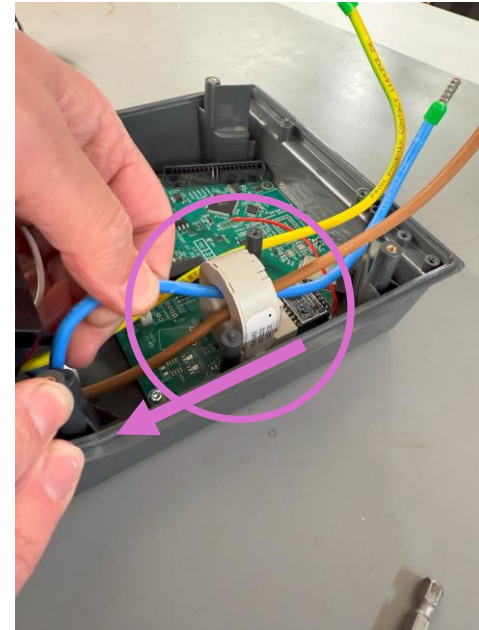
10. Unplug ribbon cable from LV board
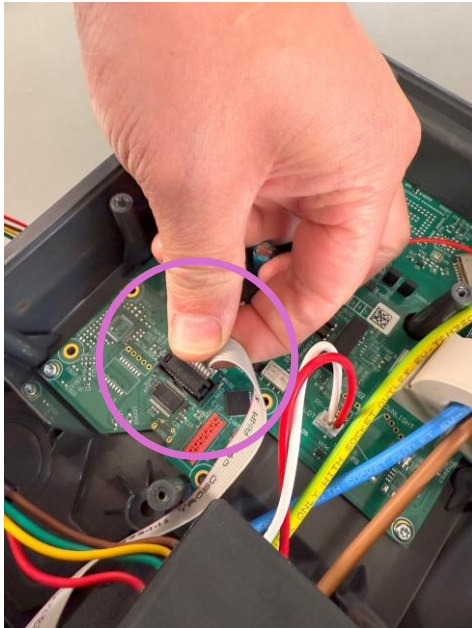
11. Unscrew LV board
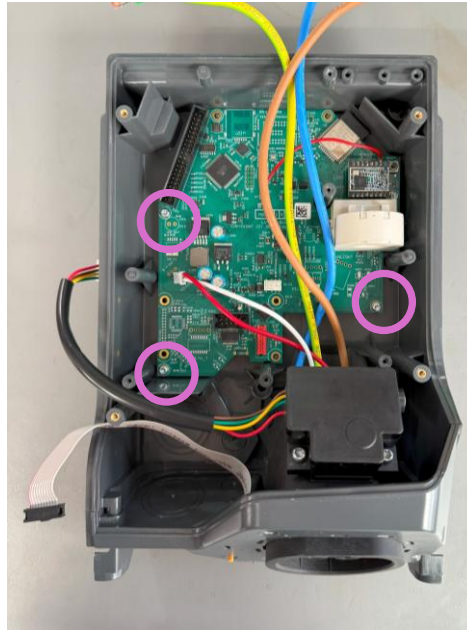
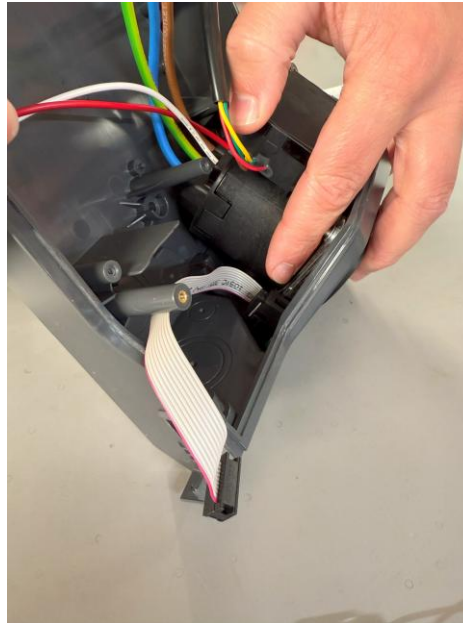**12.** Remove LV Board
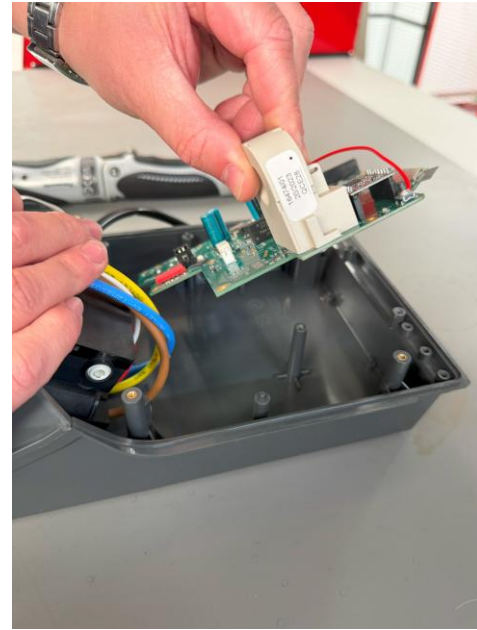
13. Remove Wireless energy manager processor (if installed)
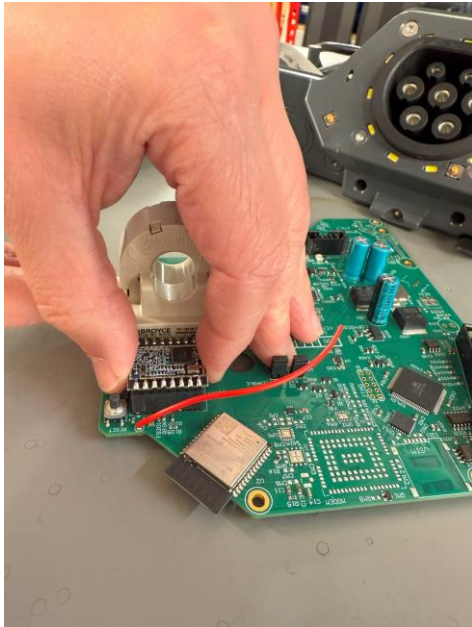
14. Remove ribbon cable from LED board

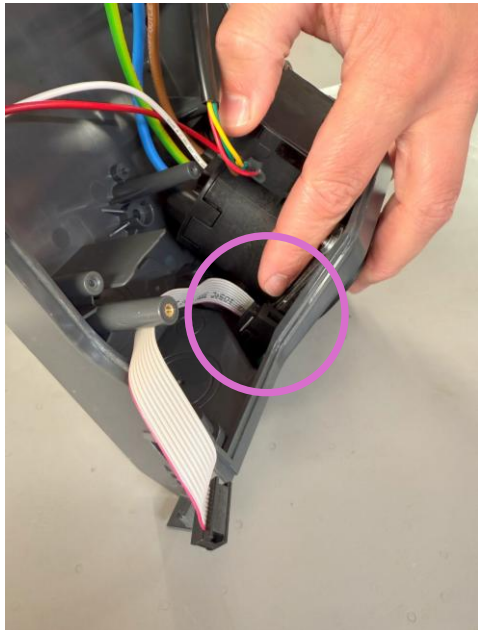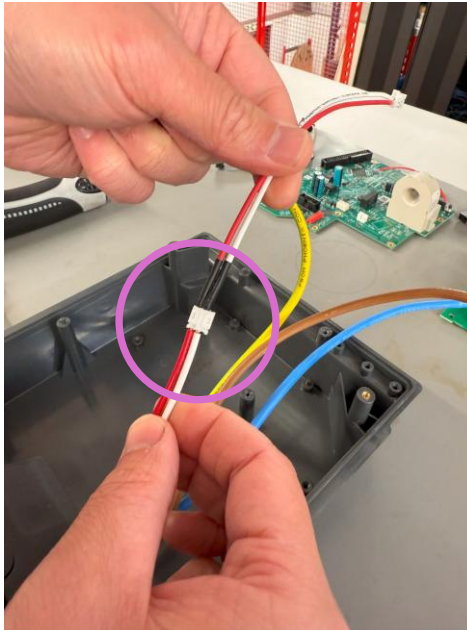**15.** Clean enclosure in preparation for V3 hardware
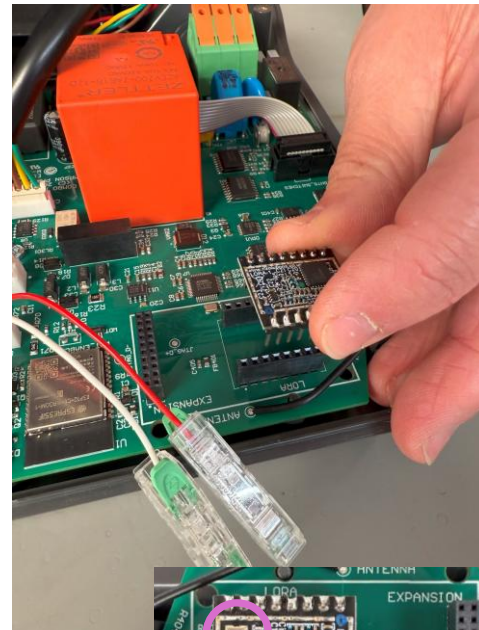
Procedure to install V3 hardware

1. Install the kit extended ribbon cable to LED board

2. Connect the pilot cable extension loom

3. Fit the wireless energy manager transmitter **(Optional)**
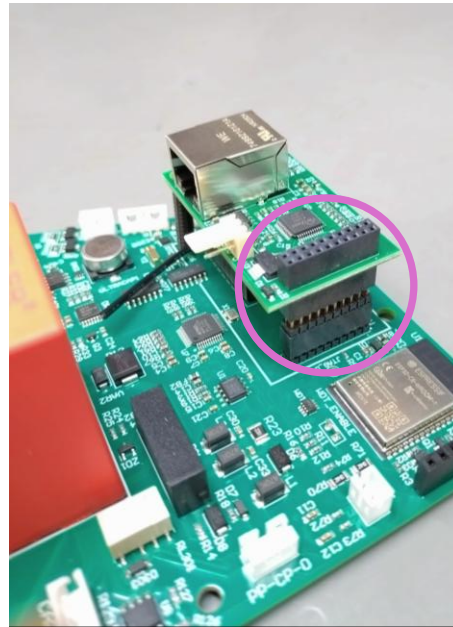
Note. Make sure chip has small silver rectangle at top left)

4. Fit Ethernet expansion board **(Optional extra)**
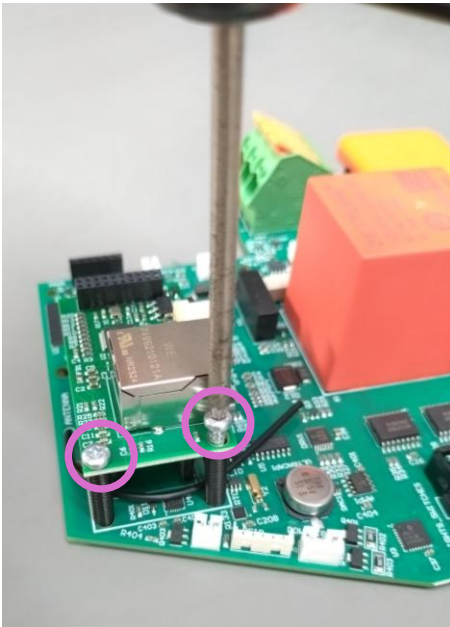
5. Install V3 charge controller board at the screw points marked in location of V1/V2 HV top board

7. Plug in the cable lock connector from the socket.

8. Connect LED board ribbon cable

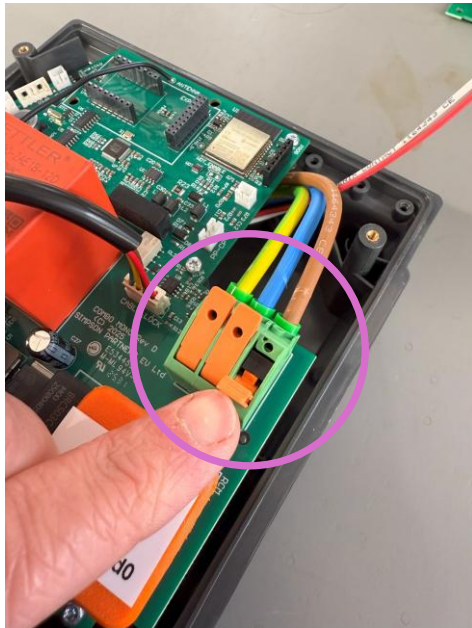**9.** Connect pilot cable from socket

10. Connect Earth, Neutral, Live to the charge controller board output

11. Double-check that all connection steps have been completed.

12. Terminate the mains input cables into the charge controller

13. Fit upper slug guard to cover

14. Fit lower slug guard

15. Fit cover make over unit

16. Use retained screw modules when securing the lid

17. Secure new serial label to the side of the unit

18. Commission charger

Commission the unit in the same way a new charger is commissioned. Networking will need to be set up and the charger added to the S&P app.

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