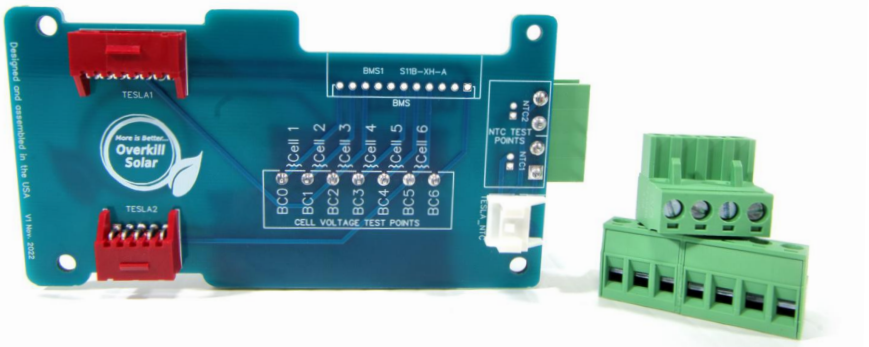
Tesla Universal BMS Interface Board Instructions

For Revision C Tesla Modules



Warnings

Recycled Lithium-Ion battery modules should be installed in a detached garage or shed.
Avoid installing these batteries in a dwelling area.

Lithium Ion cells have a high risk of fire which releases toxic fumes. Physical damage, heating, and overcharging can cause a runaway reaction and a fire that's impossible to extinguish.

Used, recovered, recycled, or salvaged battery modules may have hidden damage that makes them more sensitive to further damage.

A single 24v tesla module is unlikely to cause electric shocks, however, voltage over 48v can cause serious electric shocks. Take appropriate steps to avoid electric shocks if you plan to connect battery modules in series.

Step 1: Remove Tesla BMS board

- Remove the clear plastic covers from your Tesla module.
- The bus plates are always live, keep metal tools away!
- Support the module with a block of wood or foam, leave room to work on the board.
- Carefully pry the ribbon connectors straight out of their housings. The ribbon cables are fragile!
- Remove the 4 black plastic retainer pins. Pull each center pin first to release the outer pin.
- Unplug the temperature sensor connector. It has a small release lever.

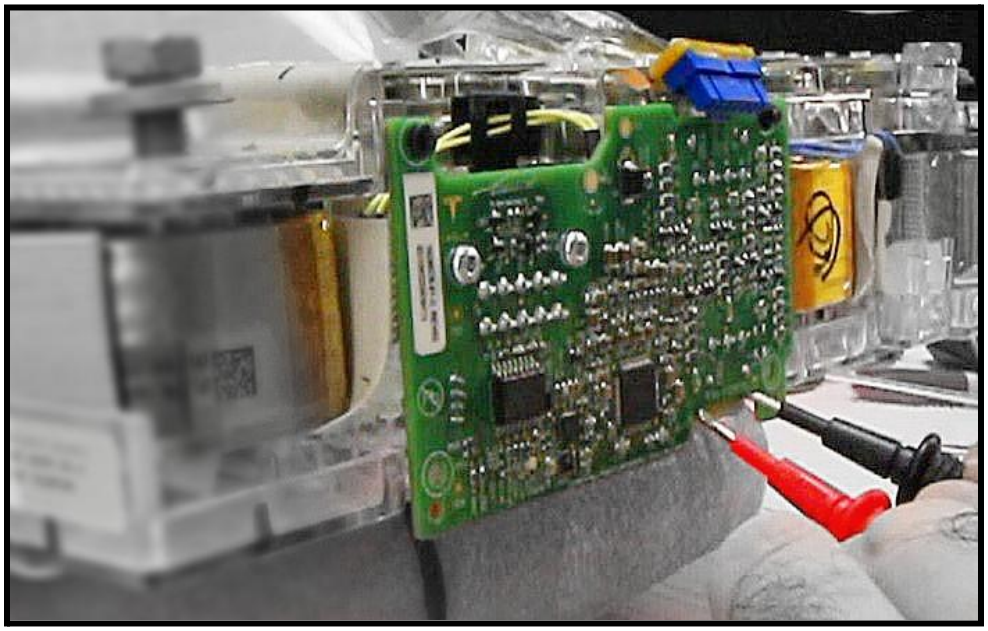


Fig. 1: Using multimeter probes as a tool to pry the ribbon connectors out of the old board.

Step 2: Install the New Interface Board

- Plug in the Tesla temperature sensor connector.
- Carefully position the new board while moving the ribbon connectors out of the way.
- Attach the new board to the battery with the screws provided in the kit.
- Plug in both ribbon connectors. Push them straight into the connector housings.
- Use your multimeter to measure each cell voltage & confirm the health of the cells.

Step 3: Install your BMS

- Refer to the instructions for your BMS

IMPORTANT:

- Only your BMS's B- wire will connect to the battery's negative terminal!
- Connecting anything else to the negative terminal of your battery module may bypass the BMS protection and increase the risk of fire.

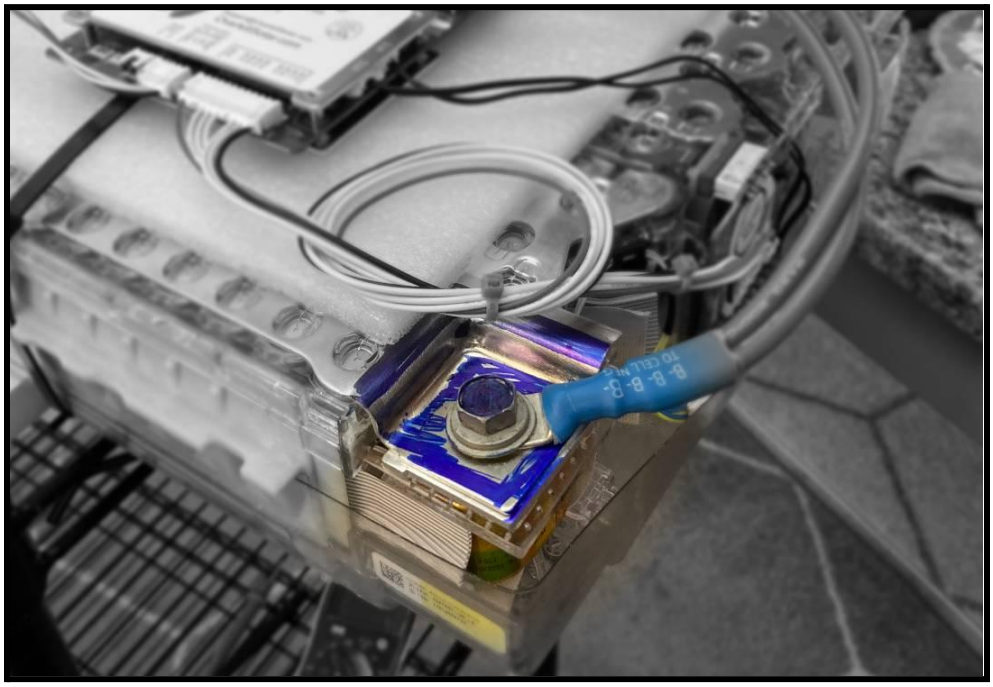


Fig. 2: Only connect the BMS's B- wire to this terminal, nothing else.

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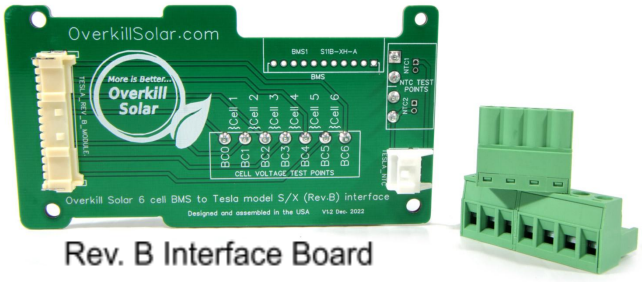
Thank you for your purchase from Overkill Solar LLC!



Rev. B Interface Board

BMSs and Rev.B interface boards are also available for your next project.