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E-SOLAR PANEL (15.585.000) INSTALLATION INSTRUCTIONS ADDENDUM

To install the Solar Panel with the E-Port Wallplate (15.551.001).

The solar panel must be located as per the instructions that are supplied with the panel.

Once the appropriate site has been selected run the twin wires from the solar panel to the wallplate.

There are four terminals on the back of the wallplate.

The outer two terminals connect the charging circuit to the controller when it is placed in the wallplate. The inner two terminals are used to connect the motor loom. **Refer to the photo.**

When solar charging is used the panel must be connected to the charging terminals (marked "Charge +" and "Charge -"). A simple way to do this is to use the wiring from the standard charging circuit that is present in the wallplate.

To connect the panel to a WALLPLATE follow the steps detailed below.

- 1) Start by removing the charging jack from the clips holding it in place on the wallplate. Next cut the red and black wires about 5mm from the solder joints. **Refer to the photo.**

This will leave two free wires that are connected to the wallplate. These can be used to connect to the wires running from the solar panel.

- 2) Using the connectors provided with the panel connect the BLACK wire from the solar panel to the BLACK wire on the WALLPLATE.
- 3) Fully insert the two BLACK wires into the connector. To ensure the insulation is pierced and a connection is made between the two wires they must be fully inserted as shown.
- 4) Next, crimp the connector using multigrips. The orange button must be flush with the body of the connector and sitting flat, as shown. This is to ensure that a good connection between the wires is made.
- 5) In a similar manner connect the RED wire on the solar panel to the RED wire on the WALLPLATE.

Use a multimeter to test the connection of the solar panel by checking that a DC VOLTAGE can be measured across the wallplate charging terminals. This voltage should be approximately +14V DC to +24V DC. (Note: The polarity of the voltage being measured is also important. The voltage must be measured as positive, if the voltage is negative charging will not occur. Correct polarity is ensured by connecting RED to RED and BLACK to BLACK when making any wiring connections.)

