SŌL

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BY THE SUN
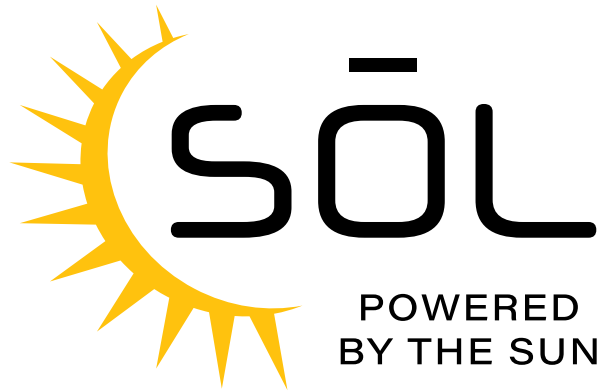
SOLAR UPGRADE (PREP TO SŌL 190)

TOOLS NEEDED:

1. Screw gun with proper bit
2. 10mm Socket with ratchet
3. 10mm wrench

PARTS LIST:

1. 6 gauge wire – amount depends on floor plan
2. (1) 190 watt solar panel (part no. 0395785)
3. 15 amp PV solar fuse (part no. 0395781)
4. Unbacked eternabond or butyl tape
5. Self-level sealant
6. (8) #10 x 1(1/4)" wood screw

HOW TO:

1. If applied, note QR code on inverter prep cable and scan for solar controller set up instructions.
2. Connect solar controller cables to battery.
3. Set up controller after connecting battery.
4. Assemble solar panels
   a. Attach "L" bracket feet to panel using 10mm socket, ratchet and wrench
   b. Apply sealant tape to bottom of feet
5. Secure Solar panel to roof
   a. Locate backers using prints provided with your kit by vin#
   b. Attach panel to roof using #10 1(1/4)" wood screw
   c. Apply self-level sealant to each foot making sure to cover entire foot
6. Connect panel negative cable to negative side of docking port
7. Connect panel positive cable to PV 15 Solar fuse
8. Connect solar fuse to positive side of docking port

HEARTLAND

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SOLAR UPGRADE (PREP TO SŌL 380)

TOOLS NEEDED:

1. Screw gun with proper bit (square bit for access panel)
2. 10mm Socket with ratchet
3. Pair of electrical crimpers and strippers
4. 7/16 wrench or socket
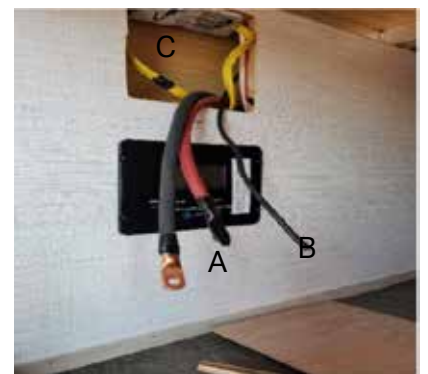5. 10mm socket, ratchet and wrench

PARTS LIST:

1. 6 gauge wire – amount depends on floor plan
2. 2000 watt inverter (part no. 0395788)
3. (2) 190 watt solar panel (part no. 0395785)
4. 15 amp PV solar fuse (part no. 0395781)
5. 20 amp transfer switch (part no. 0340042)
6. Unbacked eternabond or butyl tape
7. Self-level sealant
8. (16) #10 x 1(1/4)" wood screw

HOW TO:

1. Locate your access panel – typically in front pass through storage.[1]

2. Remove access panel with square bit.

3. Retrieve the 2 (2 gauge) cables from behind the access panel. Remove screws that are securing Molex amp connector to the stud. Also locate the 8 gauge ground wire and retrieve. [2]

4. Connect wires to inverter
   a. Connect the red 2 gauge wire to the positive terminal on the inverter. [3]
   b. Connect the black 2 gauge wire to negative terminal on the inverter
   c. Connect the ground to the copper colored stud.

1 | Access Panel

2 | A. 2 gauge inverter cables
B. 8 gauge ground cable
C. Amp connector

Negative Terminal

Positive Terminal

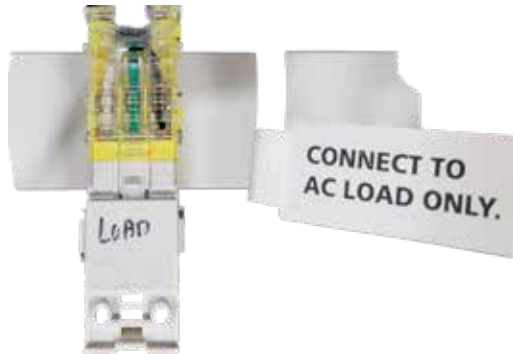3 | Connecting Positive and Negative 2 Gauge Wire on the Inverter

5. Separate Molex amp Connectors

6. Connect line side to the line side of the transfer switch (source / line)

7. Connect load side to the load side of transfer switch (load only)

8. Secure both inverter and transfer switch to pass through wall with #8 washer head wood screw
9. If applied note QR code on inverter prep cable and scan for solar controller set up instructions.
10. Connect inverter prep cables to battery.
11. Connect solar controller cables to battery.
12. Set up controller after connecting battery.
13. Assemble solar panels
    a. Attach "L" bracket feet to panel using 10mm socket, ratchet and wrench
    b. Apply sealant tape to bottom of feet
14. Secure Solar panel to roof
    a. Locate backers using prints provided with your kit by vin number
    b. Attach panel to roof using #10 1(1/4)" wood screw
    c. Apply self-level sealant to each foot making sure to cover entire foot
15. Connect panel one negative cable to negative side of docking port
16. Connect panel one positive cable to panel two negative cable
17. Connect panel two positive cable to PV 15 Solar fuse
18. Connect solar fuse to positive side of docking port