

November 6, 2017 Page **1** of **8** 

**AMBULANCE TYPE:** DEMERS SINGLE STRETCHER

UNITS AFFECTED: UNITS 62801 to 62899 EQUIPPED WITH THE STRYKER

POWERPRO STRETCHER

**ISSUE:** To provide 110V power to the internal receptacles of the ambulance

from shoreline power or the Go Power inverter, to facilitate charging of

the Stryker PowerPro Stretcher battery.

**ACTION:** INSTALLATION OF AN 110V TRANSFER SWITCH

**LABOUR TIME:** 1.5 hrs Add .3 if component relocation is necessary.

**LABOUR CODE: GMOTS** 

### **SERVICE PROCEDURE:**

Read these instructions entirely before starting this modification.

Contact BCAS Fleet Operations with any questions. 1-877-652-7465

Check the contents of the kit provided.

- 2 Marrets 110V connectors
- 6 #10x5/8 self-tapping screws
- 2 #10-32 x 5/8 cover screw
- 2 cable clamps
- 1 Bus bar with #10-32 x 5/8 screw
- 2 #10-32 x 3/4 cover screws
- 1 mounting bracket Demers
- 1 Transfer Switch



1 877 652-7465

Fax: 250 952-0275

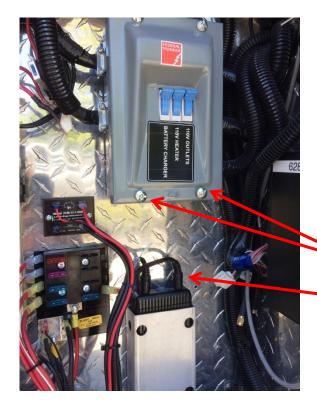
#### **BEFORE STARTING THIS MODIFICATION:**

Confirm the 110 volt shoreline power is not connected to the ambulance, and the vehicle engine is switched off.



November 6, 2017 Page **2** of **8** 

### STEP 1





Locate the 110V electrical breaker box in the side electrical compartment.

The layout of the components may differ between vehicles. Please relocate any components that interfere with this modification. Add .3 to labour time if relocation is required. Contact Fleet Operations with any questions. 1 877 658-7465

Remove the 2 lower cover screws.

Unplug the 2 RC plugs.

Temporarily mount the supplied bracket to the lower breaker box screw locations using the two supplied screws.

Using the bracket as a template, drill two 5/32" holes for the lower mount and loosely install the supplied screws. (This will allow bracket to tip out from breaker box when the upper screws are removed.)

Mount the Transfer Switch to the bracket with the supplied screws.

Remove the 2 upper bracket screws and allow the bracket to tip out from the breaker box.

1877652-7465

Fax: 250 952-0275

Reconnect the 2 RC plugs.



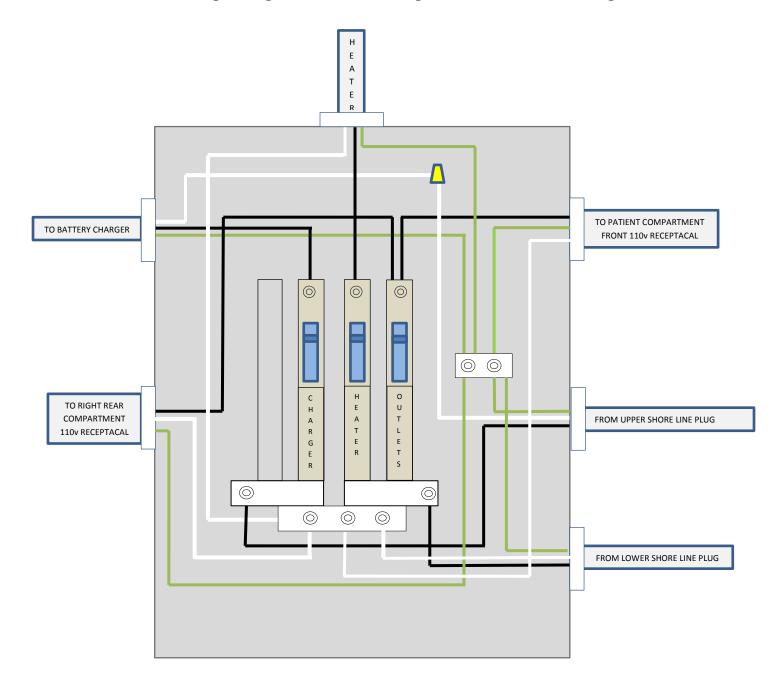
November 6, 2017 Page **3** of **8** 

STEP 2

Remove the cover from the 110V breaker box and compare the wiring with the diagram below.

### **IMPORTANT!**

Confirm the existing wiring is the same as diagramed before continuing.



Fax: 250 952-0275

1 877 652-7465

Block C, 2261 Keating X Road



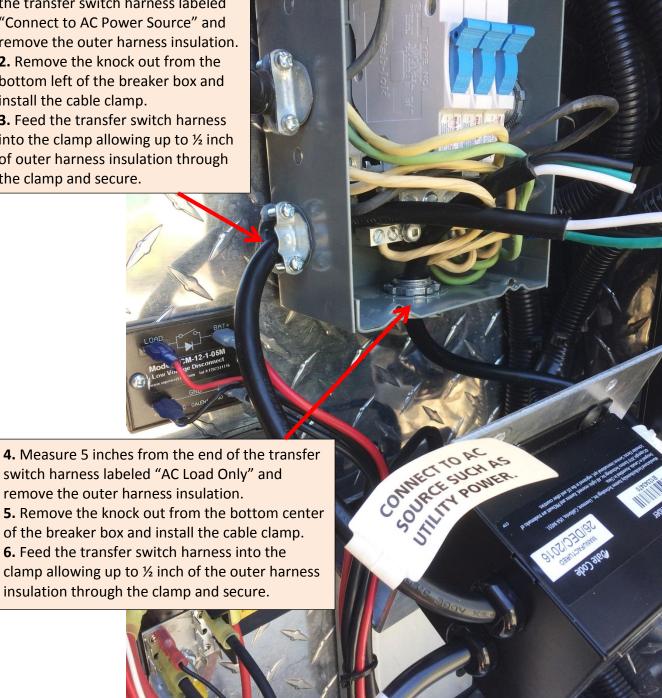
November 6, 2017 Page 4 of 8

1877652-7465

Fax: 250 952-0275

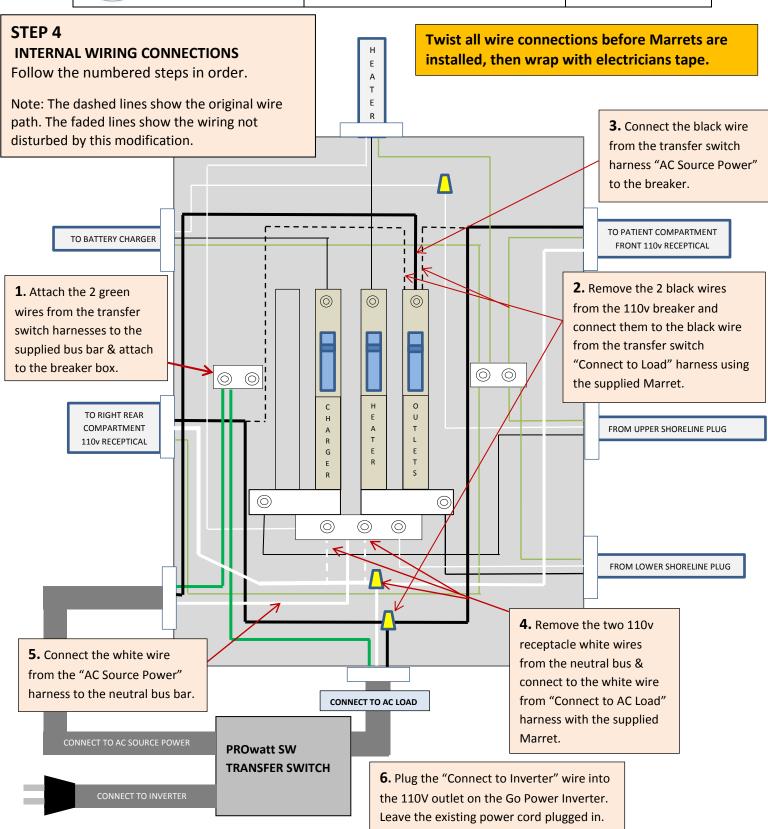
### STEP 3

- 1. Measure 8 inches from the end of the transfer switch harness labeled "Connect to AC Power Source" and remove the outer harness insulation.
- 2. Remove the knock out from the bottom left of the breaker box and install the cable clamp.
- 3. Feed the transfer switch harness into the clamp allowing up to ½ inch of outer harness insulation through the clamp and secure.





November 6, 2017 Page **5** of **8** 

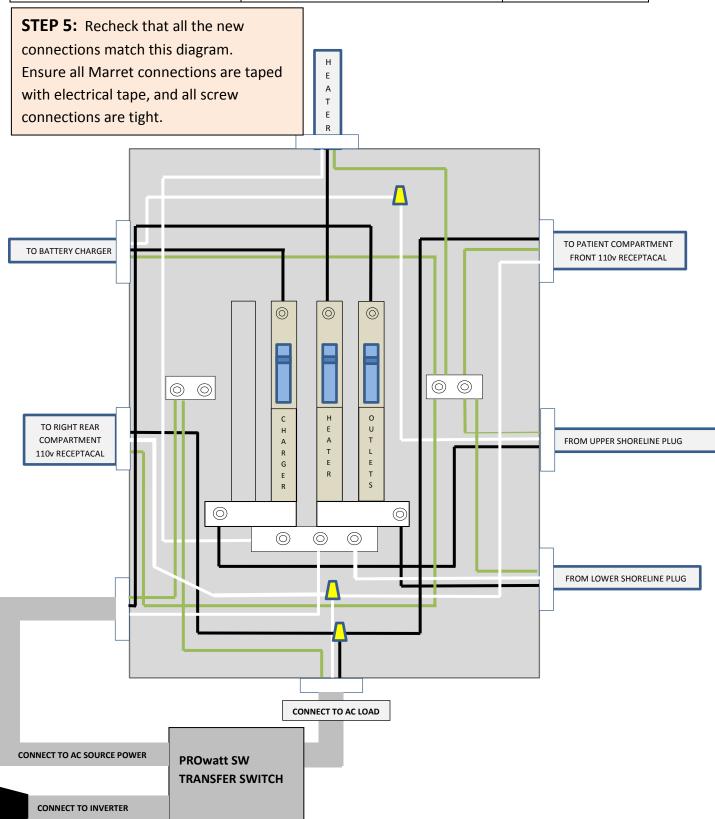


Block C, 2261 Keating X Road

1 877 652-7465 Fax: 250 952-0275



November 6, 2017 Page **6** of **8** 



Block C, 2261 Keating X Road

1 877 652-7465 Fax: 250 952-0275



November 6, 2017 Page **7** of **8** 



Block C, 2261 Keating X Road

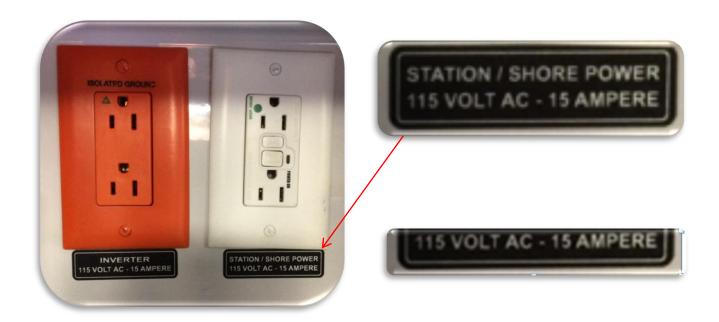
1 877 652-7465 Fax: 250 952-0275



November 6, 2017 Page **8** of **8** 

1877652-7465

Fax: 250 952-0275



### **System Test:**

Using a GFI protected circuit; plug a shoreline power cord into the lower 110V shore power receptacle on the outside of the ambulance.

Plug an 110V tester into both patient compartment white 110 volt outlets and confirm power is present. Note: The second white 110 volt outlet is located in the equipment kit tree. Power should not be present at the orange inverter 110 volt outlet at this time.

Start the engine and turn the connect switch on.

Unplug the shoreline power from the outside of the ambulance.

Confirm power is still present at both the *white* and *orange* 110V outlets inside the patient compartment.

NOTE: The orange outlet is inverter power only and will only have power when the vehicle is running and the connect switch is on.

Use a razor blade to trim and peel the decal below the *white* outlet to say "115 VOLT AC -15 AMPERE" Labour Code: GMOTS – use this labour code on the invoice and charge 1.5 hrs.