

# ***INSTRUCTION SHEET***

## ***Home Standby Remote Start Kit***

***Model No. G0071090***

### **Purpose**

This kit enables activation of a remote start feature. **The remote start feature exists on ALL home standby generators with a controller fitted with an LCD screen. Units without an LCD screen do NOT have remote start capability, except for the PowerPact™ generators.**

**NOTE:** EcoGen™ units are equipped with two wire start, so this kit is not required. CorePower™ units do not have an LCD screen on the controller, so the kit is not applicable. This kit should not be used with off-grid applications—doing so could void the warranty.

The feature is contained within the LCD screen units and is enabled via a password. The option to enable remote start is found under the Edit menu. This menu allows the ability to scroll through various parameters and change them. Once they are changed, they will be remembered even when the power is removed.

### **Remote Starter Kit Contents**

| <b>Part Number</b>            | <b>Wire Color</b> | <b>Quantity</b> | <b>Used With</b>       |
|-------------------------------|-------------------|-----------------|------------------------|
| 0J0973A                       | White             | 3               | Evolution™ Controllers |
| 0J0973C<br>0J0973D<br>0J0973E | Dark Blue         | 1 each          | PowerPact™ Controller  |

**NOTE:** The kits contain different wire types, based on the mating connector lugs. Some kits contain spare wires.

### **Evolution Controllers**

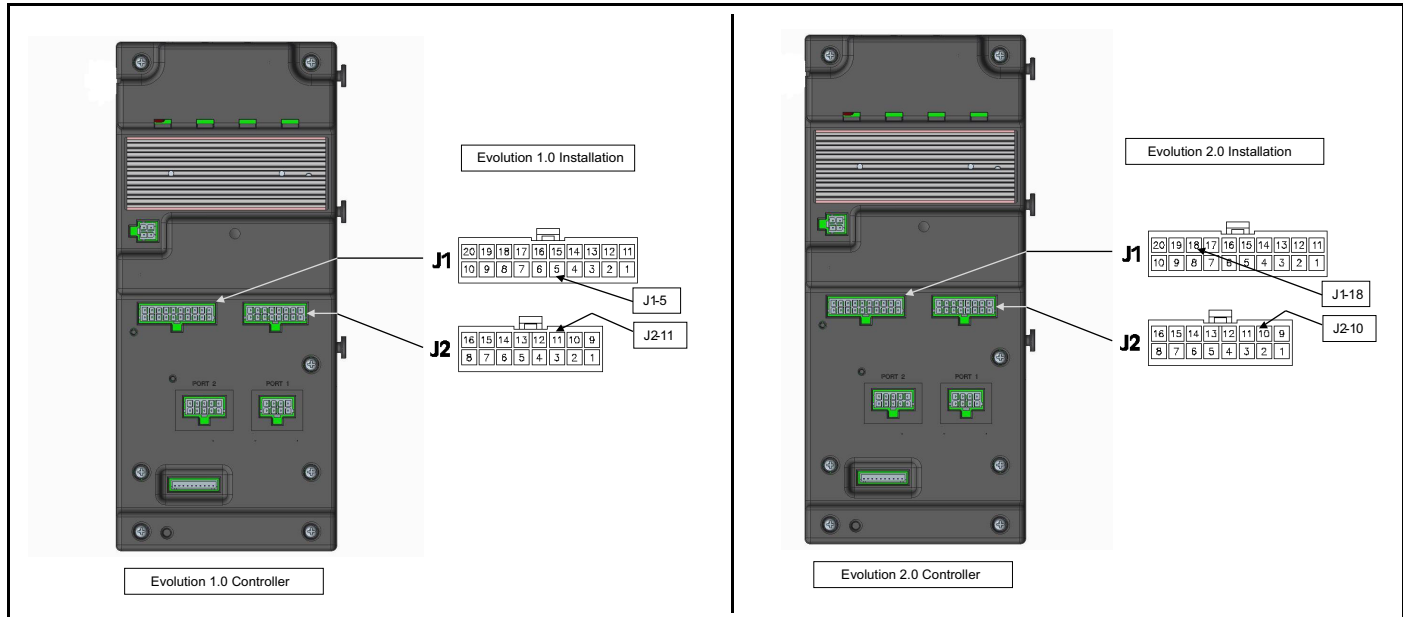
1. Turn utility MLCB to OFF or Open.
2. Unlock and open the generator lid.
3. Turn the generator switch to the OFF mode.
4. Remove the 7.5 Amp fuse from the top of the control panel.
5. Remove the generator front panel.
6. Disconnect the negative (-) black lead from the generator battery.

**NOTE:** The exercise function will need to be reset every time the 12 volt battery and T1 power to the generator are disconnected and then reconnected, and/or when the fuse is removed and T1 power is removed from the generator.

## Wiring

Two wires need to be added to the wire harness. The harness is plugged into a connector on the underside of the Evolution controller.

1. See **Figure 1**—Bottom (underside) of Evolution Controller for Steps 1-3. Unplug the 20-pin connector (J1) and the 16-pin connector (J2) from the control panel underside by carefully releasing the latch on the side of each connector.



**Figure 1 - Bottom (underside) of Evolution Controllers**

2. **Evolution 1.0 Controllers**—Use the two white wires (0J0973A) from the kit and insert the wire ends, with terminals, into the open location 5 of the J1 connector and open location 11 of the J2 connector. The other ends of both white wires will be connected to the start switch.
3. **Evolution 2.0 Controllers**—Use the two white wires (0J0973A) from the kit and insert the wire ends, with terminals, into the open location 18 of the J1 connector and open location 10 of the J2 connector. The other ends of both white wires will be connected to the start switch.
4. See **Figure 1**. Install the J1 and J2 harness connectors back into the J1 and J2 connectors on the back of the control panel.
5. Connect the negative (-) black lead to the battery.
6. Install the generator front panel.
7. Install the control panel 7.5 Amp fuse.
8. Leave the generator in the OFF mode.

## Programming

Perform the following steps to enter the password and enable two-wire start:

1. Verify both battery leads are connected, the 7.5 Amp fuse is installed and the generator switch is OFF (red light on control panel is on).

**NOTE:** Once the password has been entered and you go to the EDIT screen, the password will be canceled when you exit that screen. It can be re-entered again, if necessary.

2. Press the ESCAPE key to display the menu screen.
3. Press the following key sequence: **UP, UP, ESCAPE, DOWN, UP, ESCAPE, UP**. This will enter the password.
4. Use the up/down arrow keys to navigate to the SUB MENU field and then press ENTER to display the sub menu.
5. Use the up/down arrow keys to navigate to the DEALER field and then press ENTER to display the dealer menu.
6. Use the up/down arrow keys to navigate to the DEALER-EDIT field and then press ENTER to display the dealer edit menu.
7. Use the up/down arrow keys to scroll through the parameters until 2 WIRE START SELECT is displayed. Press ENTER to select this parameter as the one to be edited.
8. Use the up/down arrow keys to change the display to read YES.
9. Press ENTER to store the data. Remote start is now enabled.
10. Turn utility MLCB to ON or Closed.
11. Place the generator switch in the AUTO mode (green light on the control panel is ON).
12. After completing installation, verify that the two wire start is functioning properly.

## PowerPact™ Controller

1. Turn utility MLCB to OFF or Open.
2. Open the controller/circuit breaker cover to access the generator's controller panel.
3. Place the generator in the OFF mode by pressing the OFF button.
4. Remove and retain the 7.5 Amp ATO® fuse.
5. Remove the four fasteners from the top cover of the enclosure. Lift the top cover from the generator.
6. Remove the two fasteners and remove the battery access panel inside the enclosure.
7. Disconnect the black (-) negative lead from the battery.

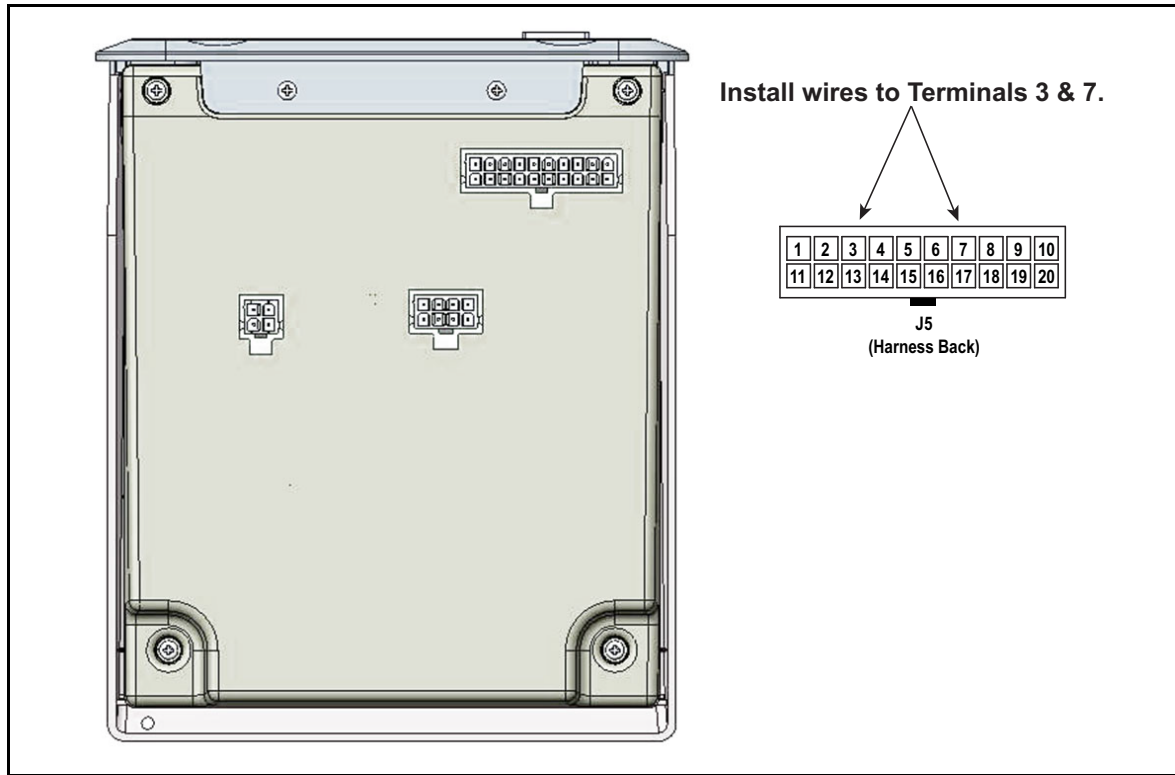
## Wiring

Two wires need to be added to the wire harness. One wire between the ground terminal block and start switch. See the back side of the controller for Steps 1-12.

1. See **Figure 2**. Unplug the 20 pin wire harness connector (J5) from the controller panel by carefully releasing the latch on the side of the connector.
2. Insert the crimp end of wire #0 (0J0973E) into location 3 on the wire harness connector (J5).
3. Connect the other end, with the ring terminal, to the ground screw on the rear of the customer connection box.
4. Insert the crimp end of wire #183 (0J0973D), into location 7 on the wire harness connector (J5).
5. Connect the other end of wire #183 to the start switch.
6. Plug the harness connector back into (J5) on the backside of the controller.
7. Connect the ring terminal end of wire #178 (0J0973C) to the ground screw on the rear of the connection box.
8. Connect the other end of wire # 178 to the start switch.
9. Reconnect the black (-) negative lead to the battery.
10. Install the battery access panel and tighten the two fasteners securely.
11. Install the enclosure's top cover. Tighten all four fasteners securely.
12. Install the 7.5 Amp ATO® fuse.
13. Turn utility MLCB to ON or Closed.

14. Press the AUTO button to place the generator in the AUTO mode.
15. After completing installation, verify that the two wire start is functioning properly.

**NOTE:** The exercise function will need to be reset every time the 12 volt battery and T1 power to the generator are disconnected and then reconnected, and/or when the fuse is removed and T1 power is removed from the generator.



**Figure 2 - Backside of PowerPact Controller**

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