INSTRUCTION SHEET

Home Standby Remote Start Kit
Model No. 0066130

Purpose

This kit enables the activation of a Remote Start Feature. **The Remote Start Feature exists on ALL home standby generators that have a controller fitted with an LCD screen. Units without an LCD screen do NOT have the 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.

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 you 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

Part Number	Wire Color	Quantity	Used With
0J0973	Orange	3	Nexus Controller (Version #1)
0J0973A	White	3	2008 Controller / Nexus Controller (Version #2) / Evolution Controller
0J0973B	Black	3	Nexus Controller (Version #3)
0J0973C 0J0973D 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.

FOR ALL GENERATORS

Utility Power shall be removed from the generator prior to performing the following service for all generator models.

1. 2008 Controller

1. Unlock and open the generator lid.
2. Turn the generator to the OFF mode.
3. Remove the 7.5 Amp fuse from the top of the control panel.
4. Remove the generator front panel.
5. 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.

1.1 - Wiring

Two wires need to be added to the wire harness. The harness is plugged into a connector on the underside of the 2008 controller.

1. Bottom (underside) of 2008 Controller for Steps 1-3. Unplug the 18-pin connector from the control panel underside by carefully releasing the latch on the side of the connector, Figure 1.
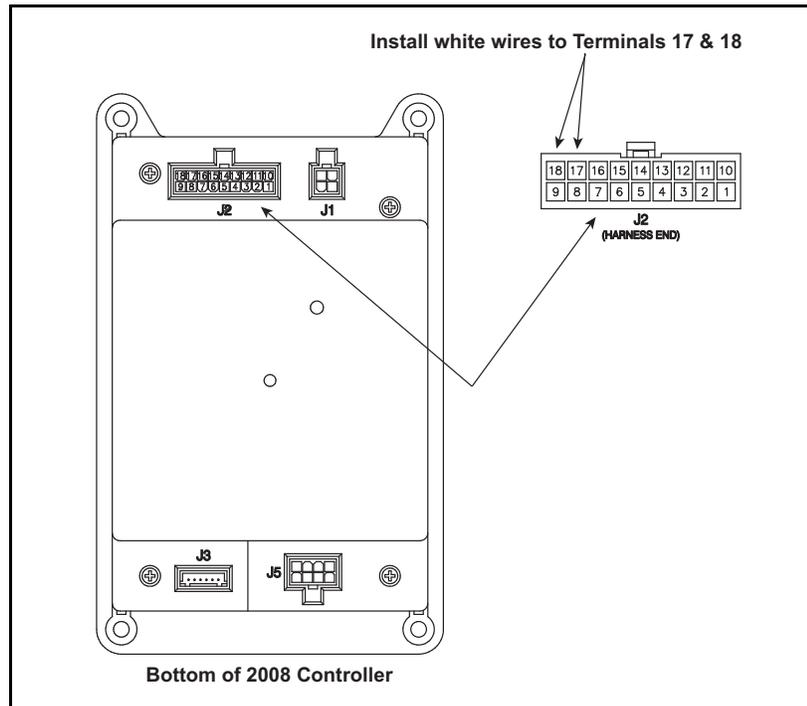

Figure 1. Bottom (underside) of 2008 Controller

2. Use the kit's two white wires (0J0973A) and insert the wire ends, with terminals, into the open locations 17 and 18 of the 18-pin harness connector. The other ends of both white wires will be connected to the start switch.
3. Install the 18-pin connector back into the J2 connector on the back of the control panel. See Figure 1.
4. Reconnect the negative (-) black lead to the battery.
5. Install the generator front panel.
6. Install the control panel 7.5 Amp fuse.
7. Leave the generator in the OFF mode. Proceed to **1.2 - Programming**.

1.2 - Programming

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

1. Be certain that both battery leads are connected, the 7.5 Amp fuse is installed and the generator is in the OFF mode.

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 ESCAPE to display the menu screen.
3. Press the following key sequence: **UP, UP, ESCAPE, DOWN, UP, ESCAPE, UP (+,+,ESC,-,+,ESC,+)**. This will enter the password.
4. Press ESCAPE until the menu is displayed. Use the +/- keys to navigate to the EDIT field and then press ENTER to display the EDIT menu.
5. Use the +/- keys to scroll through the parameters until "Remote Start Enable" is displayed. Press "ENTER" to select this parameter as the one to be edited.

6. Use the +/- keys to change the display to read YES.

7. Press ENTER to store the data. Remote start is now enabled.

8. Place the generator in the AUTO mode.

9. After completing installation, verify that the two wire start is functioning properly.

2. Nexus Controller (2009-2012)

1. Unlock and open the generator lid.

2. Turn the generator to the OFF mode.

3. Remove the 7.5 Amp fuse from the top of the control panel.

4. Remove the generator front panel.

5. 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.

2.1 - Wiring

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

NOTE: There are three possible configurations of the Nexus controller. Once you have completed Steps 1-5 above, identify and follow the instructions for the specific version of controller in the generator you are working on.

2.1.1 - NEXUS Controller - Version #1

1. Bottom (underside) of Nexus Controller for Steps 1-7. Unplug the 23-pin connector from the Nexus control panel by carefully releasing the latch on the side of the connector, Figure 2.

2. Release the red clamp on the 23-pin connector. Locate the two black posts, one at each end of the center row of the red clamp.

3. Use a small flat bladed screwdriver to gently pry one of the posts away from the center row of contacts while lifting up on the red clamp.

4. Repeat to the post on the other side. Then, lift the red clamp out about 0.125 in (3.2 mm).

5. Insert the terminated ends of the two orange wires (0J0973) into open locations 21 and 22 of the 23-pin harness connector. The other ends of both orange wires will be connected to the start switch.

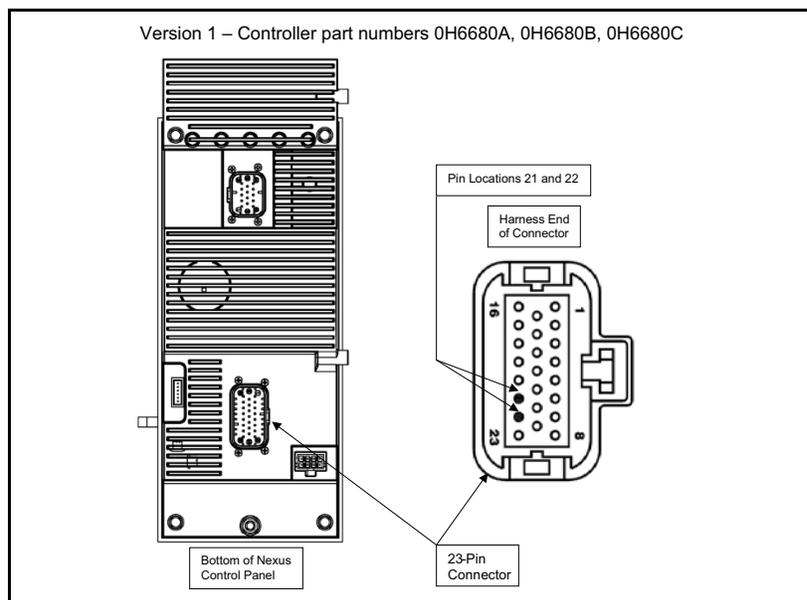6. Press the red connector clamp back into the latched position.

Figure 2. Bottom (underside) of Nexus Controller - Version #1

7. Install the 23-pin connector back into the connector on the back of the control panel. See Figure 2.

8. Reconnect the negative (-) black lead to the battery.

9. Install the generator front panel.

10. Install the control panel 7.5 Amp fuse.

11. Leave the generator in the OFF mode. Proceed to **2.2 - Programming**.

2.1.2 - NEXUS Controller - Version #2

1. Bottom (underside) of Nexus Controller for Steps 1-3. Unplug the 5-pin connector from the Nexus control panel by carefully releasing the latch on the side of the connector, Figure 3.
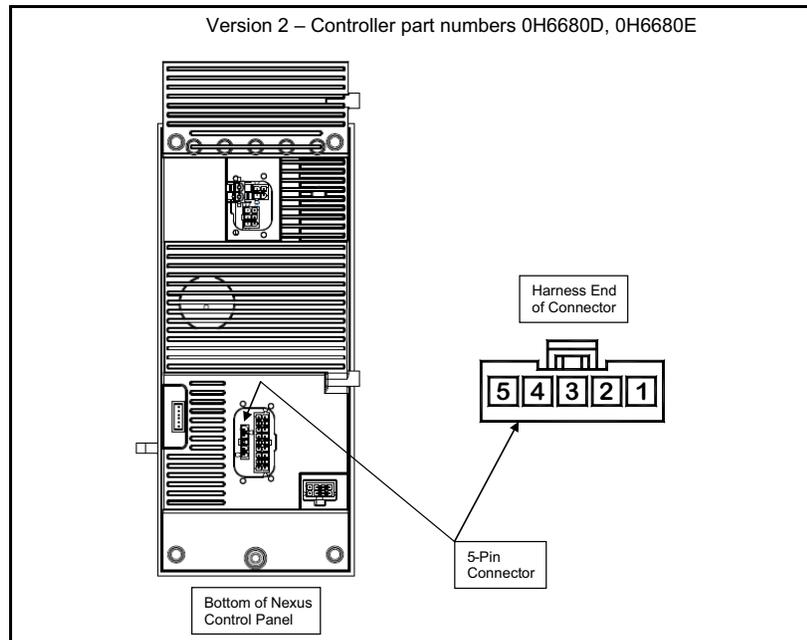

Figure 3. Bottom (underside) of Nexus Controller - Version #2

2. Insert the terminated ends of the two white wires (0J0973A) into open locations 4 and 5 of the 5-pin harness connector. The other ends of both white wires will be connected to the start switch.

3. Install the 5-pin connector back into the connector on the back of the control panel. See Figure 3.

4. Reconnect the negative (-) black lead to the battery.

5. Install the generator front panel.

6. Install the control panel 7.5 Amp fuse.

7. Leave the generator switch in the OFF mode. Proceed to **2.2 - Programming**.

2.1.3 - NEXUS Controller - Version #3

1. Bottom (underside) of Nexus Controller for Steps 1-3. Unplug the 9-pin connector from the Nexus control panel by carefully releasing the latch on the side of the connector, Figure 4.

2. Insert the terminated ends of the two black wires (0J0973B) into open locations 7 and 8 of the 9-pin harness connector. The other ends of both black wires will be connected to the start switch.

3. Install the 9-pin connector back into the connector on the back of the control panel. See Figure 4.

4. Reconnect the negative (-) black lead to the battery.

5. Install the generator front panel.

6. Install the control panel 7.5 Amp fuse.

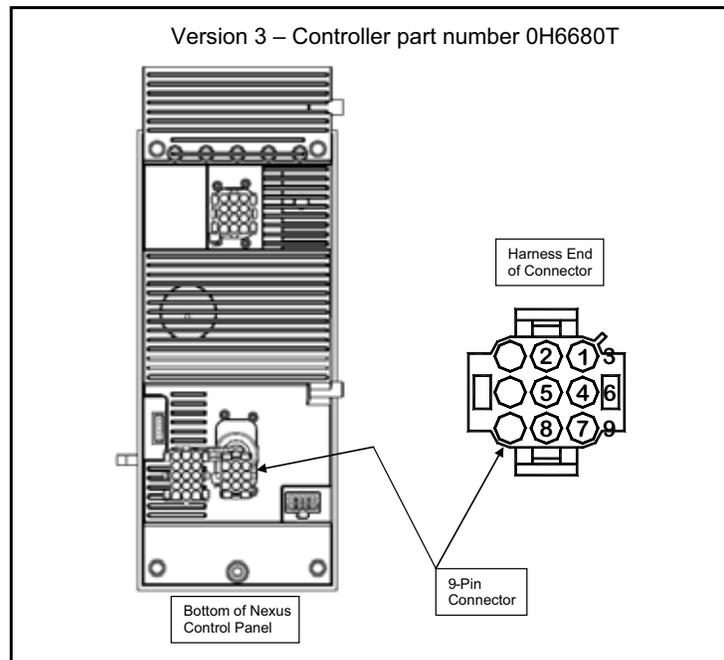7. Leave the generator in the OFF mode. Proceed to the **2.2 - Programming**.

Version 3 – Controller part number 0H6680T

Harness End
of Connector

Bottom of Nexus
Control Panel

9-Pin
Connector

Figure 4. Bottom (underside) of Nexus Controller - Version #3

2.2 - Programming (for all Nexus versions) - Perform the following steps to enter the password and enable the two-wire start:

1. Be certain that both battery leads are connected, the 7.5 Amp fuse is installed and the generator switch is in the OFF mode.

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. Press ESCAPE until the menu is displayed. Use the up/down arrow keys to navigate to the EDIT field and then press ENTER to display the EDIT menu.
5. Use the up/down arrow keys to scroll through the parameters until REMOTE START ENABLE is displayed. Press ENTER to select this parameter as the one to be edited.
6. Use the up/down arrow keys to change the display to read YES.
7. Press ENTER to store the data. Remote start is now enabled.
8. Place the generator in the AUTO mode.
9. After completing installation, verify that the two wire start is functioning properly.

3. Evolution Controller (2013 and later)

1. Unlock and open the generator lid.
2. Turn the generator switch to the OFF mode.
3. Remove the 7.5 Amp fuse from the top of the control panel.
4. Remove the generator front panel.
5. 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.

3.1 - 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. 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 5.
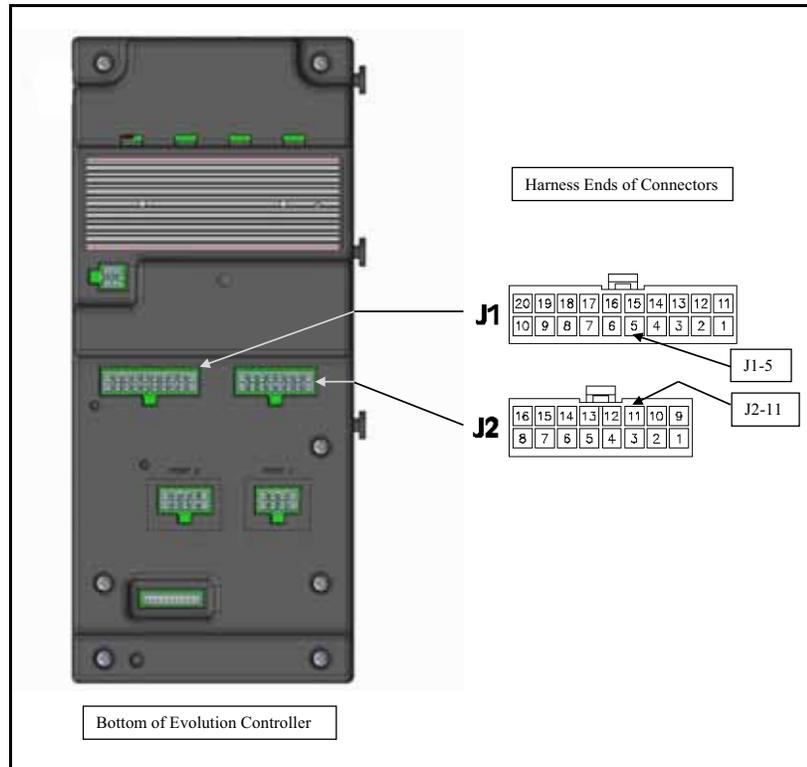

Figure 5. Bottom (underside) of Evolution Controller

2. Use the kit's two white wires (0J0973A) 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. Install the J1 and J2 harness connectors back into the J1 and J2 connectors on the back of the control panel. See Figure 5.
4. Reconnect the negative (-) black lead to the battery.
5. Install the generator front panel.
6. Install the control panel 7.5 Amp fuse.
7. Leave the generator in the OFF mode.

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

1. Be certain that both battery leads are connected, the 7.5 Amp fuse is installed and the generator switch is in the OFF mode (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. Place the generator switch in the AUTO mode (green light on the control panel is ON).

11. After completing installation, verify that the two wire start is functioning properly.

4. PowerPact™ Controller (2014 and later)

1. Open the controller/circuit breaker cover to access the generator's controller panel.

2. Place the generator in the OFF mode by pressing the OFF button.

3. Remove and retain the 7.5 Amp ATO® fuse.

4. Remove the four fasteners from the top cover of the enclosure. Lift the top cover from the generator.

5. Remove the two fasteners and remove the battery access panel inside the enclosure.

6. Disconnect the black (-) negative lead from the battery.

4.1 - 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. Unplug the 20 pin wire harness connector (J5) from the controller panel by carefully releasing the latch on the side of the connector. See Figure 6.

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. Press the AUTO button to place the generator in the AUTO mode.

14. 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.
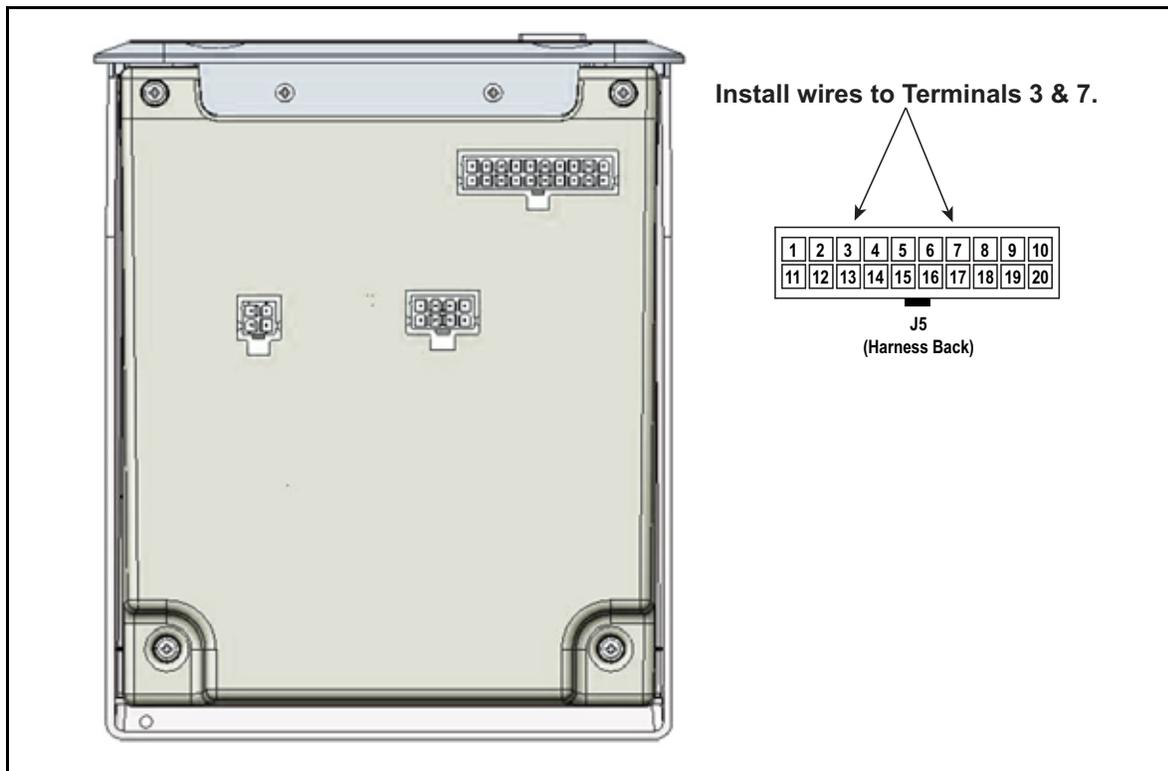
Install wires to Terminals 3 & 7.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

J5
(Harness Back)

Figure 6. Backside of PowerPact Controller