

4 WIRE TO 2 WIRE CONVERSION INSTRUCTION

PROCEDURE

1. Move the toggle switch to the off and stop position.
2. Remove the end panel (generator end) opposite the air discharge.
3. Remove the battery negative cable in the battery is installed.
4. Remove the cover over the customer connection box.
5. Remove both black wiring cables plugged in the current engine control. These connectors have treaded retaining collars, turn the collars counterclockwise and pull to remove the connectors.
6. Remove the two sheet metal screws (T-25 Screws) holding the engine control in place. Remove the engine control and set aside.
7. Reuse the two sheet metal screws to install the new engine control.
8. Reconnect the two black connectors; be sure to turn the locking rings on tight. But do not over tighten or you will break the locking rings.
9. On the back end of the unit connected to the harness run up from the generator to the customer control box you will find a small white two-wire connector. This connector must be plugged into the mating connector on the side of the new engine control. (This is a 120-Volt signal for the stop crank relay inside the engine control. If it is not connected the starter will never disengage and the unit will go into fault.)
10. Inside the DC portion of the customer connection box locate wire #22. Using the wire tag #23 provided in the kit re-label wire #22 to #23.
11. Replace decal # 15768-007 on the backside of the customer connection box cover with decal 15768-008. This is the wiring instruction for connecting the unit to an Automatic Transfer Switch.
12. Reinstall the cover on the connection box.

13. Locate the engine control description label just to the left of the engine control. A new label has been provided with this kit, paste it over the existing label.
14. Remove the operators manual part number 60706-166 for model **PSS8B4W** from the literature package and replace it with operators manual part number 60706-164 for Model **PSS8B2W**. This manual contains the proper information for installation and operation of a 2-wire auto start system. The customer must have this manual in order to start and operate the unit after the installation of the new engine control.
15. Reconnect the Negative battery cable is the battery is installed.
16. Replace the end panel.
17. Install the label "THIS UNIT HAS BEEN CONVERTED TO USE A TWO-WIRE START ENGINE CONTROL" just above the engine control inside the enclosure.
18. Using the new operators manual, 60706-164 this unit is now ready to be installed as a standard 2-wire start system. This Generator set will now work with any transfer switch that provides a relay closure for a start signal.