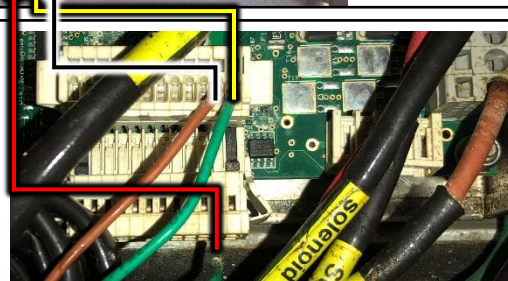
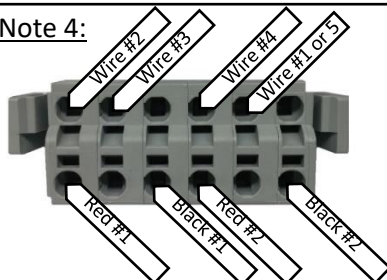


Note 2: Install label on the inside of the VCS cover over the holes to block air flow.



Note 3: Move actuator wires as shown by red, yellow, and black arrows. The two white connectors are no longer needed.

Note 4:



The position marked 1 or 5 refers to the fact that that position could have wire #1 or wire #5 depending on which wire does not have the spade terminal on it. The spade terminal wire will go to Neutral (N)

Other Important Notes:

- Before installing the new VCS, verify the following three wires that normally connect to J2 are NOT short circuited and do properly energize their respective loads: a) starter solenoid, b) stop solenoid, and c) fuel pump. Perform this test by briefly connecting each of these 3 wires, one at a time, to +12V, and verify each load device functions properly.

While changing VCS make sure to disconnect battery power to the generator!

6. Previous ring terminals need to be cut off, discarded, and replaced with new terminals in kit.

It is important to use the proper tool in order to correctly crimp the ring terminals to the harness.

NOTE: There are yellow (QTY:5) and Blue (QTY:1) ring terminals in the kit. The BLUE ring terminal attaches to the GLOW PLUG harness(X2). The rest of the ring terminals (yellow) go with the harnesses that attached to points X1, XC1, XC2, XC5 and XC6

7. When installing the new VCS, make sure to use the new screws, washers and ring terminals to secure the harness at points X1, X2, XC1, XC2, XC5 and XC6 (Note: Torque spec. per position is 1.2Nm [10.6lbf in])
8. Fire Suppression connection: If replacing a VCS171B006 with a VCS171B007, the Fireboy wire 1 will have to be moved from J2 pin 4 to J9 pin 8. To determine if you have a VCS171B006 or a VCS171B007, check the label on top of VCS box under Gen. Control System.
9. If the previous VCS had a jumper between XC1 and XC2, do NOT install it on the new board.
10. If equipped, verify that the fire suppression system shuts down the generator as intended.

VCS Temperature Check

THE FOLLOWING TEST NEEDS TO BE PERFORMED AFTER INSTALLING THE VCS TO ENSURE THE INSTALLATION IS CORRECT.

- Turn on generator and run for 15-20 mins at a minimum 70% Load.
- Check temperature of terminals on VCS. (Location: X1, X2, XC1, XC2, XC5 and XC6)
- Record temperature measurements in table below.

Terminal location	Temperature (°F)
X1	
X2	
XC1	
XC2	
XC5	
XC6	

- **PLEASE ADVISE: if any of the temperature readings are above 120°F. Please turn off generator immediately and disconnect from battery power.**

1. Check all crimping's of ring terminals.
2. Check that there is no corrosion on the ring terminals
3. Check to ensure the connection on each terminal is tight.

If 1-3 above have no issues and the temperature is 120°F or above, please turn/leave off generator and contact the Service Department at Fischer Panda Generators - (954) 462-2800

While changing VCS make sure to disconnect battery power to the generator!