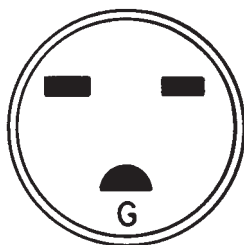
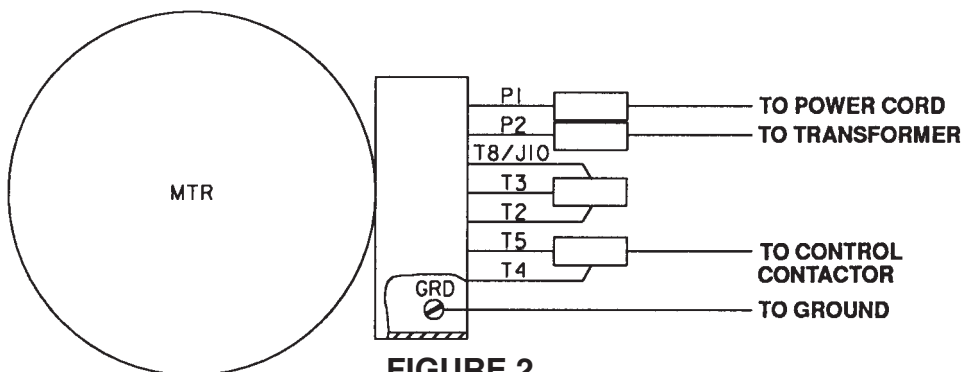


**115 TO 230 VOLT
VOLTAGE CONVERSION KIT****For Power Team PE21 Series pumps and Hytec Pump Models 100140 & 100186****WARNING:** To help avoid personal injury,

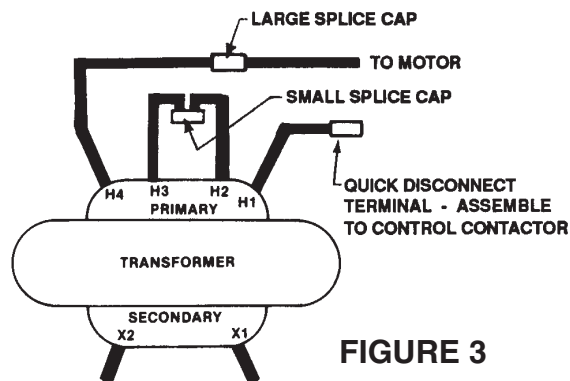
- All electrical work must be done by a qualified electrician.
- Disconnect the power supply before attempting voltage conversion.

IMPORTANT: Conversion of these pumps from 115 to 230 volts voids CSA approval unless performed at the factory.*Refer to the electrical schematic found in the parts list of your specific pump model!***FIGURE 1****Step 1:** Remove the existing electrical plug from the unit cord and install the replacement plug as follows.

- (a) Connect the green wire to the contact marked "G". Refer to Figure 1.
- (b) Connect the black and white wires to the two remaining contacts. It does not matter which one goes to which contact.

Step 2: Disconnect the motor connections. Reconnect according to Figure 2 wiring diagram.**FIGURE 2****Step 3:** This step is for units equipped with a transformer. Refer to Figure 3.

- (a) Disconnect the primary lead wires, H2 & H4, and the wire running from the motor. Discard the splice cap.
- (b) Reconnect the primary lead wire H4 with the wire running from the motor using one of the splice caps provided.
- (c) Disconnect the primary lead wires, H1 & H3, and the wire running from the control contactor. Discard the splice cap.
- (d) Reconnect primary lead wire H1 and the wire running from the control contactor using one of the splice caps provided.
- (e) Connect primary lead wires H2 & H3 to one another with one of the splice caps provided.

**FIGURE 3**

Step 4: This step is for manual (see Figure 4) or manifold & pressure switch (see Figure 5) operated pumps.

- Detach the existing control contactor from the control box and discard.
- Install the new control contactor provided, reconnecting the wires in the same locations used on the former control contactor.

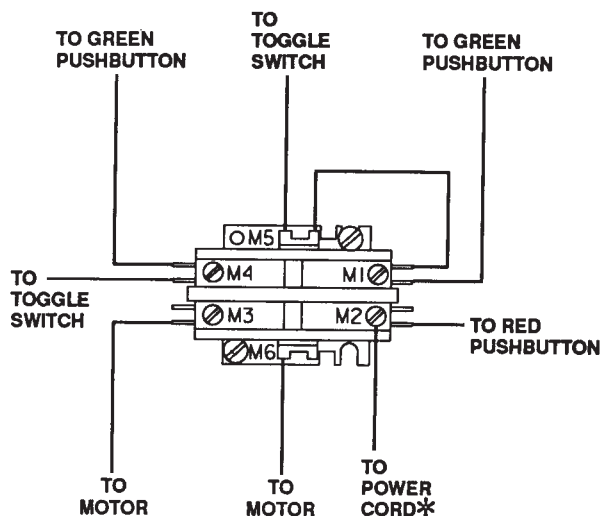


FIGURE 4
(Manual Pumps only)

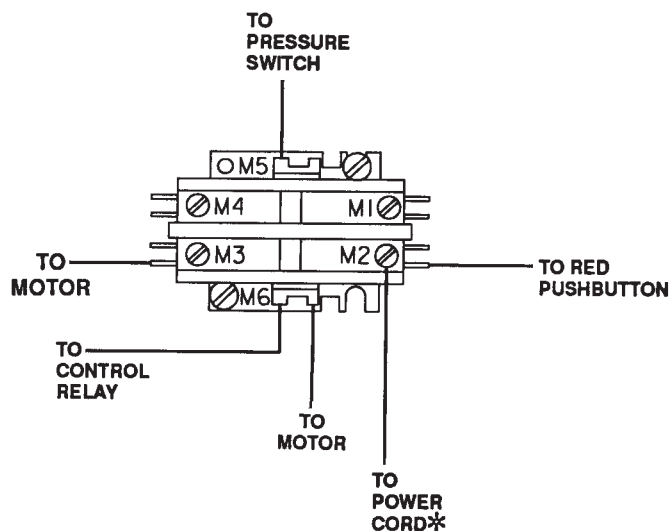


FIGURE 5
(Manifold & Pressure Switch Pumps only)

***NOTE:** To designate this conductor as live instead of neutral at high voltage, assemble black (#17087) or red (#206553) heat shrink or electrical tape to conductor at this connection.

Step 5: This step is for pumps equipped with a control relay on the primary voltage side of the circuit on pumps equipped with a transformer. See Figure 6.

- Remove the existing control relay from the pump and discard.
- Install the new control relay provided and reconnect the wires in the same contact locations used on the former control relay.

*** NOTE:** (For control relay #18842 only - 115 V. relay coil) Solder capacitor #250215 and wires to control relay contacts.

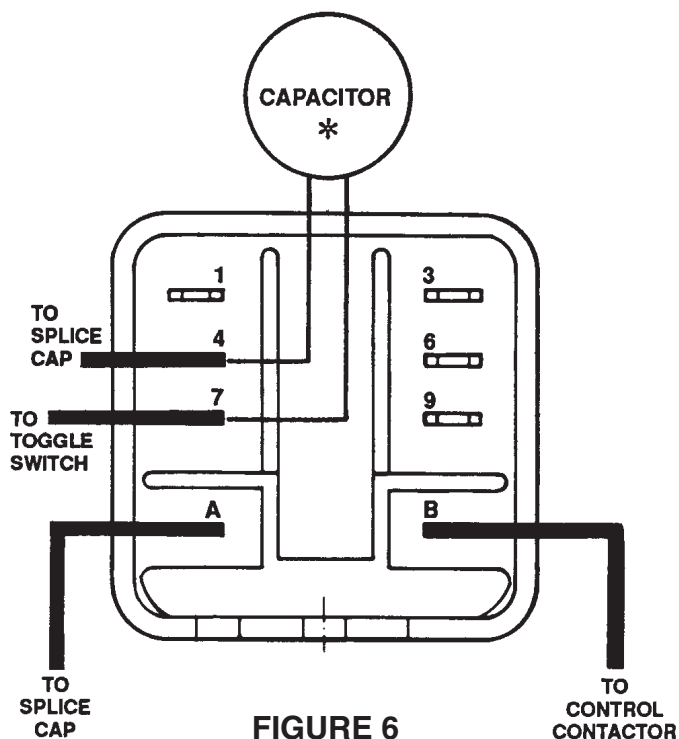


FIGURE 6

Step 6: This step applies to all pump units.

- Apply the new decal supplied (230 volt designation) over the existing decal (115 volt designation) located on the side of the pump. Be certain the new decal adheres firmly over the old. **NOTE:** This conversion kit may contain more than one decal. Be sure to use the decal that designates the same operating pressure as the decal being covered.