



INSTRUCTION SHEET

SAVE THESE INSTRUCTIONS

Replacing Switches in PRO20-115 and PRO20-230 models



The following safety alert symbols are used in this manual. Obey all safety messages that follow this symbol to avoid possible injury or death.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

WARNING

Coverplates protect the operator. Never operate the pump without coverplates in place.

Never apply electric power to the pump without coverplates in place.

Always disconnect power before repairing or servicing.

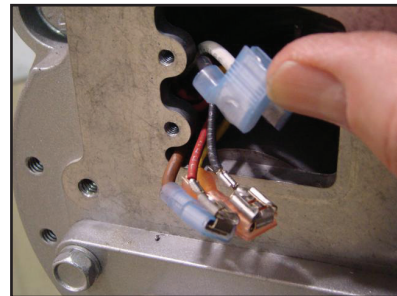
- Remove GPRO® dispensing nozzle and nozzle cover from coverplate by removing two hex head bolts with wrench or socket. Note location of two spacer washers between nozzle cover and coverplate for reinstallation.
- With 5 mm hex socket wrench, remove seven fasteners holding coverplate to the pump housing. Remove the coverplate. Store carefully to prevent damage to joint surface.



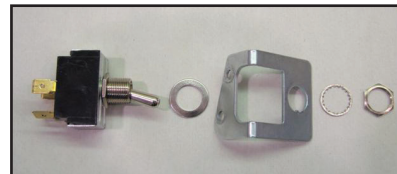
- With a socket, nut driver or appropriate Torx® driver, remove two screws retaining the switch bracket, then pull switch assembly free of motor.



- Remove terminals from the switch carefully noting the orientation.



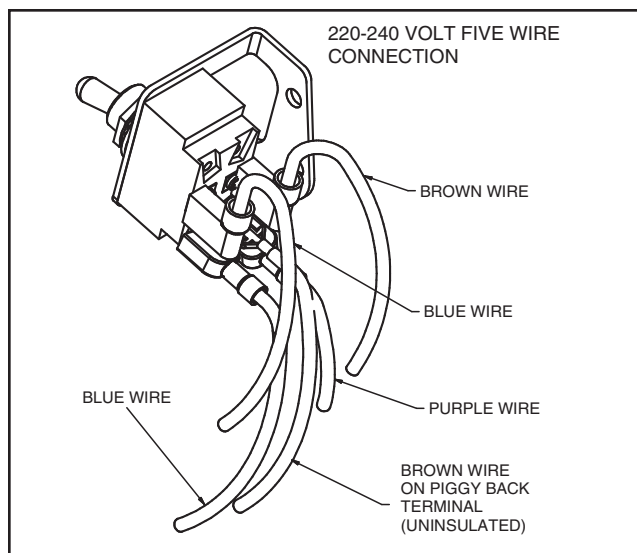
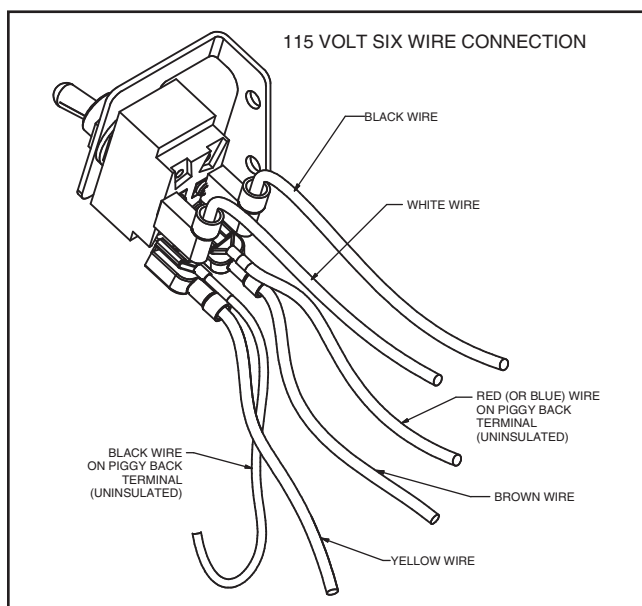
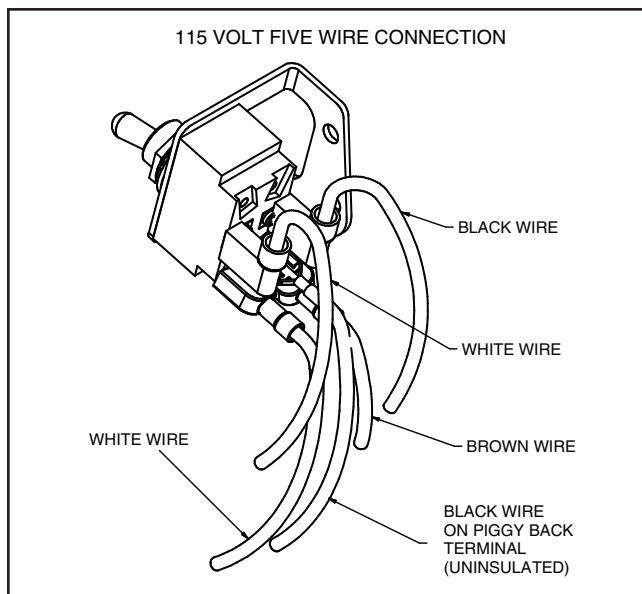
- With appropriate wrench, loosen hex nut and remove switch mounting plate from the switch assembly.



- Install a new switch by reversing the above procedure. Install switch bracket in same orientation as it was removed from old switch. For reference, a hex nut is threaded fully onto the switch bushing followed by the thick flat washer against the hex nut, then the bracket, then the serrated lock washer and then a second hex nut. Do not overtighten hex nut.



- Reattach wires in same orientation as they were removed. Some motors will have six wires and some will have five wires connected to the switch. Wire color code will also vary depending on the motor voltage. Please refer to the following illustrations for appropriate diagram. Make sure terminals are pushed on all the way and are tight after reinstallation. Reattach bracket with two screws. Make sure wires are routed where they cannot be pinched or cut and fold back into cavity as they were originally located.



- When reinstalling coverplate, inspect both motor and coverplate surfaces for damage as this installation makes up an explosion proof joint. Both surfaces must be smooth and clean before reassembly. When installing coverplate, it is recommended to place the switch toggle in the "OFF" position (pointing down as illustrated) and the switch lever in the "OFF" position (switch lever also in the down position). Never force the installation as switch or actuator fingers can be damaged if this orientation step is disregarded. Make sure the O-ring is in place in its gland. Install the coverplate and tighten four hex head fasteners. Check for freedom of movement and proper switch operation. You can hear the switch "click" when moving the switch lever between the "OFF" and "ON" position.



- Reinstall nozzle cover with the two hex head fasteners. Tighten fasteners. Reinstall dispensing nozzle.

⚠ WARNING

Never operate the pump without coverplates in place.

Never apply electric power to pump without coverplates in place.

- Apply power and check system for proper functioning. NOTE: Dispensing nozzle will need to be removed from nozzle cover to turn system "ON".

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