

WCP – WATERAX Control Panel

Overview:

The **WATERAX** Control Panel (**WCP**) is a sleek stainless steel enclosure with intuitive controls that are positioned in a left-to-right launch sequence that makes field operation of a skid unit easy to master and swift to execute. The controls feature a panel power toggle switch with flip switch protector, optional electric priming activation switch or exhaust priming activation knob, low pressure bypass with LED override alert, engine start/stop switch, choke, and Vernier throttle. The energy-efficient panel displays include a 0 to 600 PSI pressure gauge; hour meter, LED panel lights, and daylight visible LED low oil alert with options for foam and water level monitors and/or powerful work light. This document outlines the proper installation method and the replacement parts of the **WCP**.



| ID | ITEM NO | DESCRIPTION | QTY |
|----|---------|---------------------------------------|-----|
| 1 | 250233 | WCP WATERAX CONTROL PANEL | 1 |
| 2 | 700775 | A-7720 BRACKET VERNIER THROTTLE CABLE | 1 |

USER INSTRUCTIONS

Installation:

For installation of the **WCP** follow the steps below:

IMPORTANT: Always disconnect the power and follow lock out/tagged procedures before doing any electrical installation!

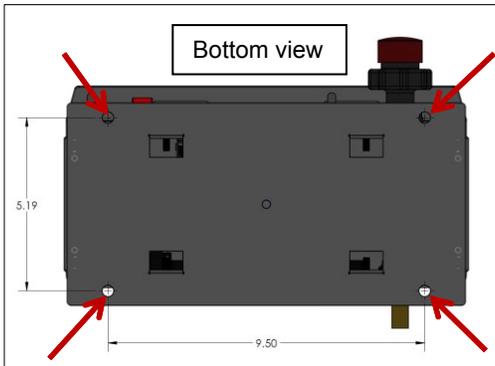


Figure 1



Figure 2

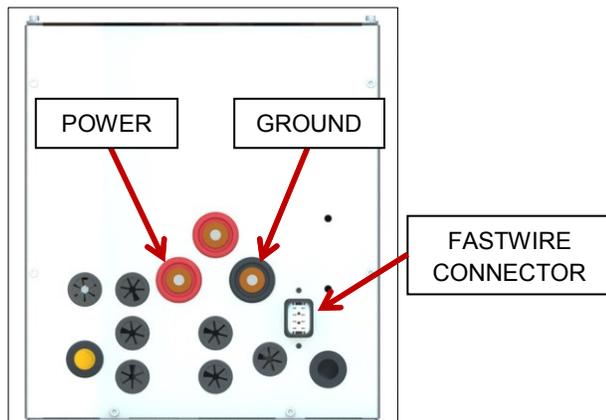


Figure 3

IMPORTANT: Refer to Figure A at the end of this document, for correct way to stack terminals on Power and Ground Studs on Back Panel!

It is recommended to use Loctite 222 on the mounting screws whenever removing and reinstalling the front and top plates

Step 1: Locate and drill the four mounting holes to secure the **WCP**. The holes accommodate 5/16" screws. Mount your **WCP** on a flat surface. (Keep panel far from high heat and vibration areas). (**Fig.1**)

Step 2: Connect the engine FastWire Harness (**Fig.2**) to the **WCP** panel mounted FastWire connector. (**Fig.3**)

Step 3: Connect the Engine Power Cables to the studs on the back of the panel (**Fig.3**).

Step 4 (Optional Electric Primer) "EPRIMERKIT":

1. Remove the top plate of the **WCP** (**Fig.4**)
2. Remove the front plate of the **WCP**. Pull it out slowly while being careful not to damage internal wiring. (**Fig.4**)
3. Remove the metal cap from the back panel. (**Fig.5**)
4. Install the Red Power Stud in the back panel.
5. Remove the metal cap from the primer position. (**Fig.6**)
6. Install the Electric Primer switch in the appropriate cut-out. (**Fig.6**)
7. Connect the Electric Primer Red Power Stud to the **WCP** Red Power Stud (Internally). (**Fig.7**)
8. Pass the Electric Primer wires through the universal plastic bushing in the back panel. (**Fig.8**)
9. Install the 1/4" ring terminal to the ground stud inside the **WCP**. Install the female tab of the red wire onto the middle male tab of the Electric Primer switch. (**Fig.9**)
10. Install the labeled "ELECTRIC PRIMER" wire onto any tab of the Electric Primer switch.
11. Install the Electric Primer's +12V Power cable onto the Red Power stud installed in step "5" and cover it with the red rubber boot provided (Externally).
12. Remount the Front and Top Panels while being careful not to pinch, strain, or damage any internal wiring (**Fig.10**). Make sure you use Loctite on the screws to prevent them from loosening with vibration.

USER INSTRUCTIONS

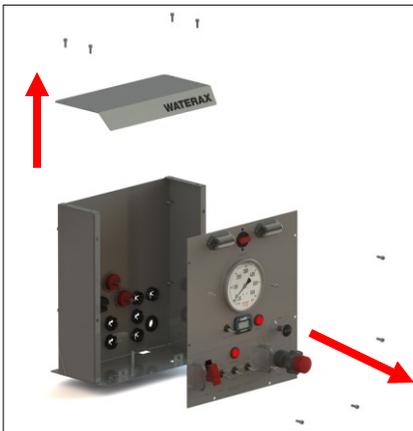


Figure 4

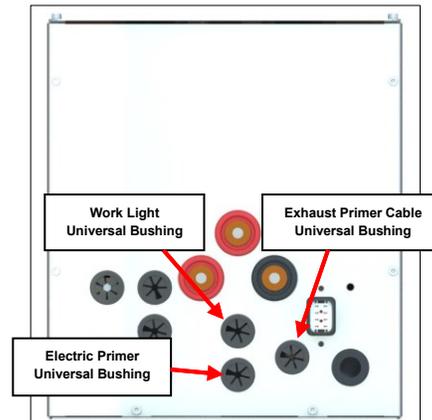


Figure 8

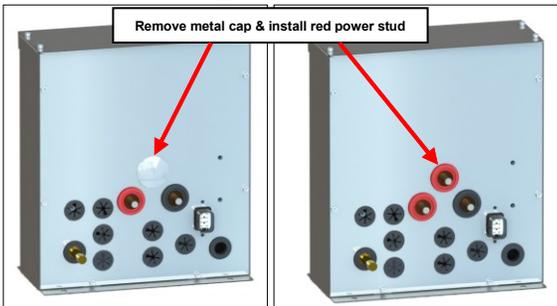


Figure 5

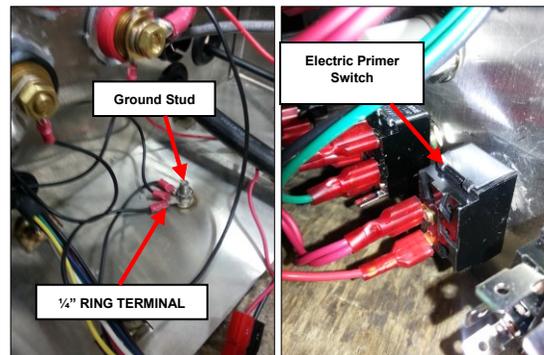


Figure 9

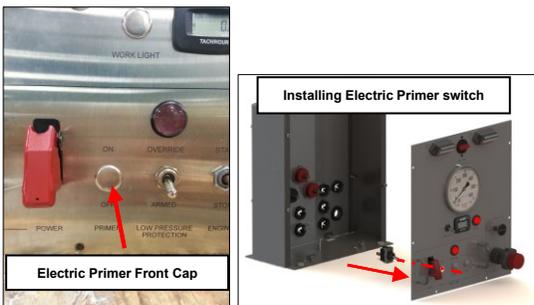


Figure 6



Figure 7



Figure 10

USER INSTRUCTIONS



Figure 11

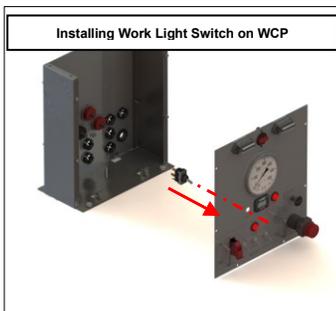


Figure 12

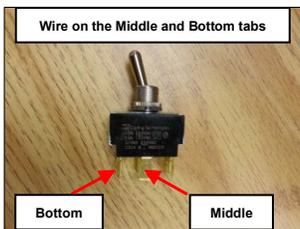


Figure 13

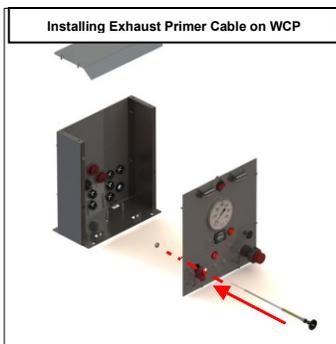


Figure 14

Step 5 (Optional Work light) "WLIGHTKIT":

1. Remove the top plate of the **WCP** (Fig.4)
2. Remove the front plate of the **WCP**. Pull it out slowly while being careful not to damage internal wiring. (Fig.4)
3. Remove the metal cap from the Work Light position. (Fig.11)
4. Install the Work Light switch in the appropriate cut-out. (Fig.12)
5. Pass the Work Light wires through the universal plastic bushing in the back panel. (Fig.8)
6. Install the 1/4" ring terminal to the ground stud inside the **WCP**. Install the female tab of the red wire onto the appropriate male tab of the Work Light switch (the bottom tab). (Fig.13)
7. Install the labeled "WLIGHT" wire, that is pre-wired in the panel, onto the appropriate tab of the Work Light switch (the middle tab, should be vertically in line with the wire in 6) (Fig.13)
8. Remount the Front and Top Panels while being careful not to pinch, strain, or damage any internal wiring (Fig.10). Make sure you use Loctite on the screws to prevent them from loosening with vibration.

Step 6 (Optional Remote Exhaust Primer) "C-7594":

1. Remove the top plate of the **WCP** (Fig.4)
2. Remove the front plate of the **WCP**. Pull it out slowly while being careful not to damage internal wiring.
3. Remove metal cap from the Primer Position. (Fig.6)
4. Install the cable through front plate (where appropriate), jamb nut and through the universal plastic bushing in the back panel. (Fig.14)
5. Lock the cable in place on the front panel by tightening the jamb nut against the back of the front panel. Use anaerobic threadlocker to keep nut from vibrating loose.
6. Pass the cable through the universal plastic bushing in the back and install it to the exhaust primer (see corresponding User Instructions).
7. Remount the Front and Top Panels while being careful not to pinch, strain, or damage any internal wiring (Fig.10). Make sure you use Loctite on the screws to prevent them from loosening with vibration.

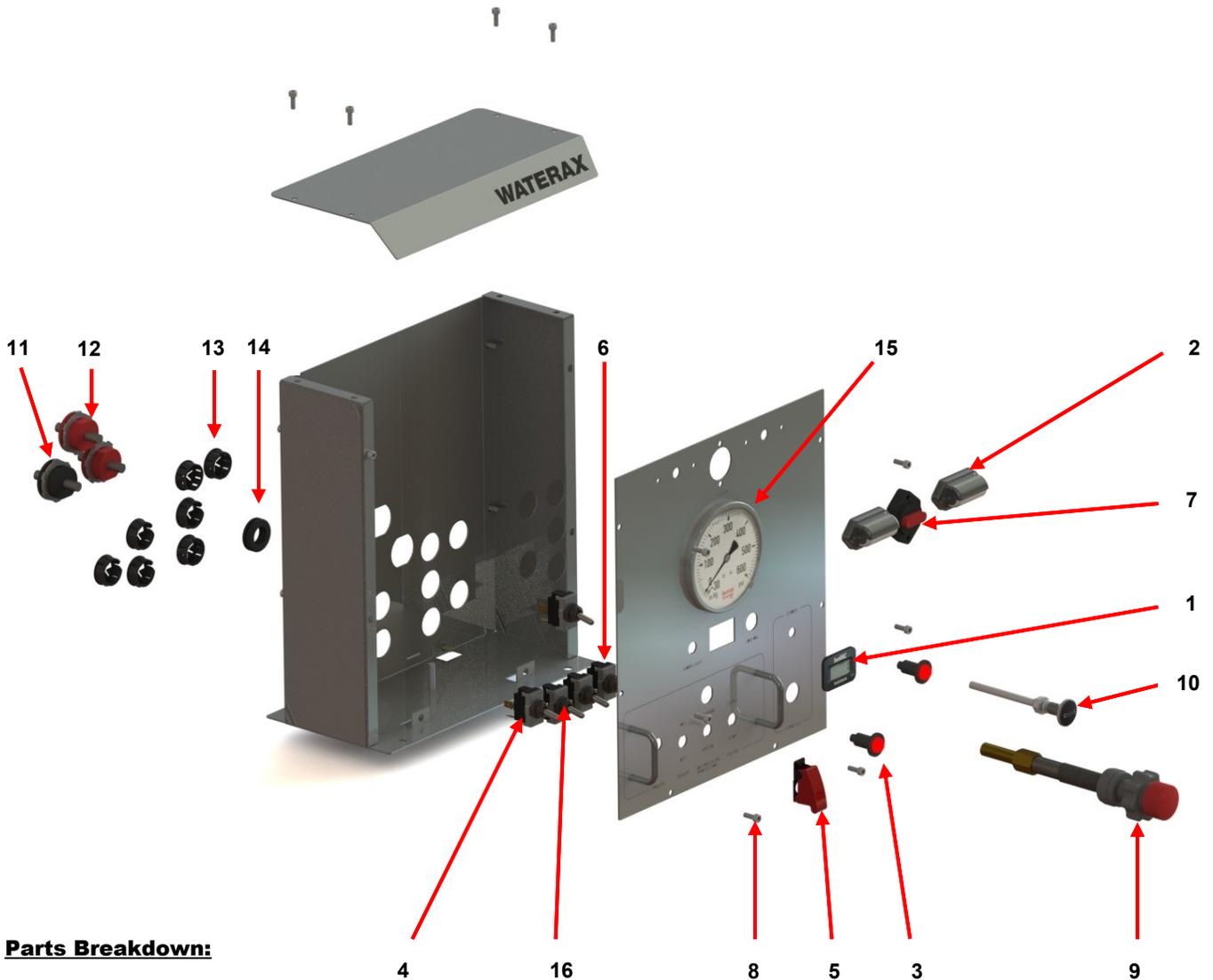
Step 7 (Optional Reel Power Hub):

1. Install the Positive wire on the Red +12V Power Stud.
2. Install the Ground wire on the Black Ground Stud.

Step 8 (Choke, Throttle, and Pressure Line):

- Install the choke cable onto the choke link of your engine.
- Install the throttle cable onto the throttle link of your engine, using the A-7720 bracket that comes with the panel (see corresponding User Instructions)
- Install the pressure line on a discharge port of your pump or manifold.

USER INSTRUCTIONS



Parts Breakdown:

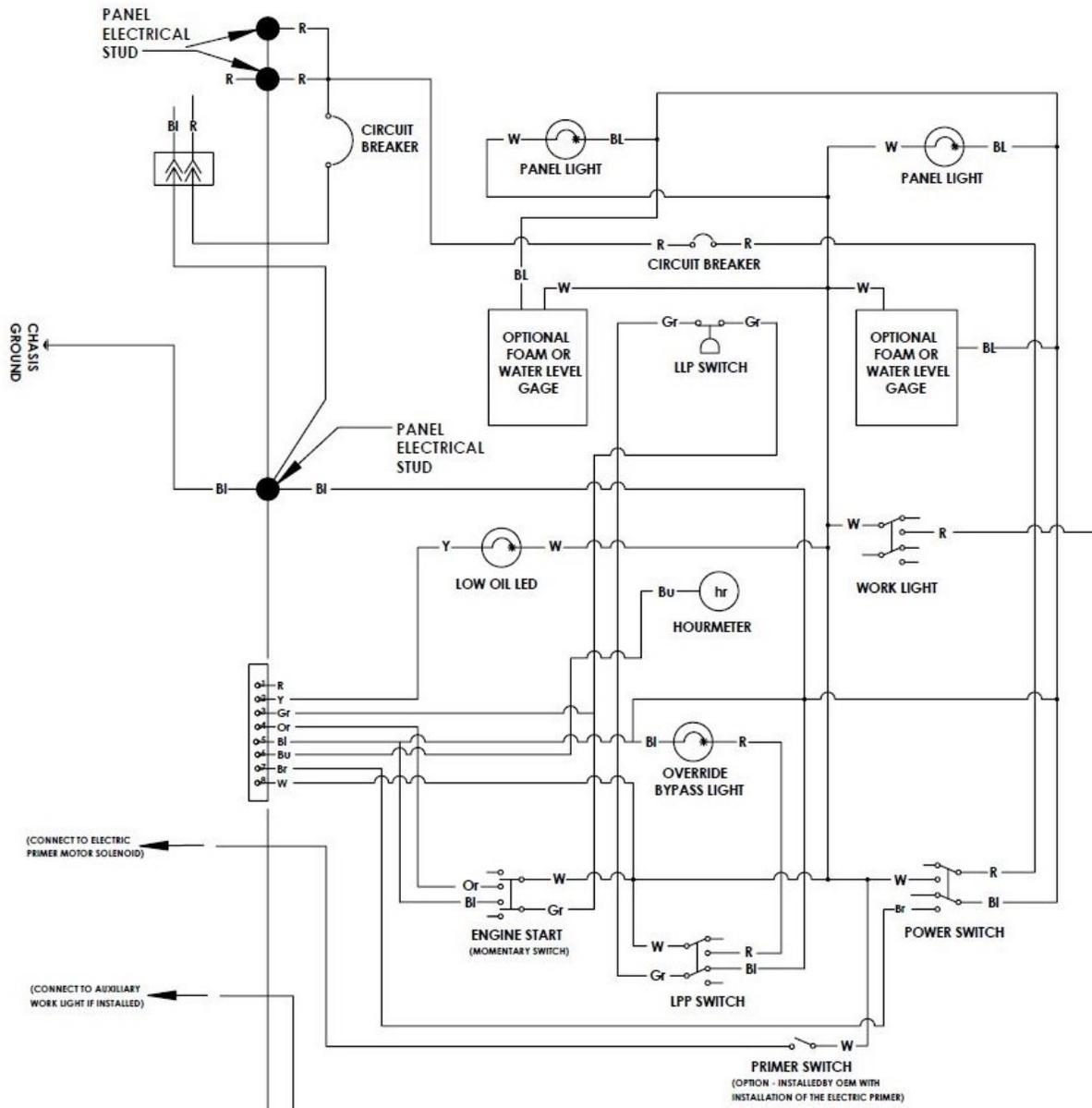
| ID | ITEM NO | DESCRIPTION | QTY |
|----|----------|---------------------------------|-----|
| 1 | PART-461 | HOUR METER SENDEC INDUCTIVE | 1 |
| 2 | PART-364 | PANEL LIGHT | 2 |
| 3 | PART-377 | LED PNL MT 11/16" 12V WT RED | 2 |
| 4 | PART-378 | SWITCH TOGGLE DPDT 20A ON-ON | 3 |
| 5 | PART-424 | SW GUARD OPP HINGE KEY WAY | 1 |
| 6 | PART-380 | SW TOGGLE,DPDT,18A (ON)OFF(OFF) | 1 |
| 7 | PART-427 | CIRCUIT BREAKER 15A 24V MARINE | 1 |
| 8 | FAST-736 | HEX SCKT SCREW,10-32x1/2 S.S. | 16 |
| 9 | PART-454 | VERNIER THROTTLE CABLE | 1 |
| 10 | PART-356 | CHOKE CABLE | 1 |

| ID | ITEM NO | DESCRIPTION | QTY |
|----|---------|---|-----|
| 11 | 800948 | PART-430 BINDING POST 3/8" BLACK | 1 |
| 12 | 800947 | PART-429 BINDING POST 3/8" RED | 1 |
| 13 | 800939 | PART-433 BUSHING UNIV BLACK 1.09" | 6 |
| 14 | 800922 | PART-458 RUBBER GROMMETS 1-1/16, 3/4" | 2 |
| 15 | 700153 | PART-357 PRESURE GAUGE 4" 30-0-600PSI | 1 |
| 16 | 800904 | PART-381 SW TOGGLE, SPST, 15A, OFF-(ON) | 1 |
| -- | 800990 | PART-358 LOW PRESSURE CUTOUT SWITCH | 1 |
| -- | 800946 | PART-428 BREAKER 150A 24VDC AUTO RESET | 1 |
| -- | 800918 | PART-451 NUTS, CABLE GLAND PG21 | 1 |
| -- | 800919 | PART-452 SEAL RING, PG21 CABLE GLAND | 1 |

USER INSTRUCTIONS

Wiring Schematic:

The following schematic is to represent the wiring harness going from the WCP to the pump unit.



APPENDIX

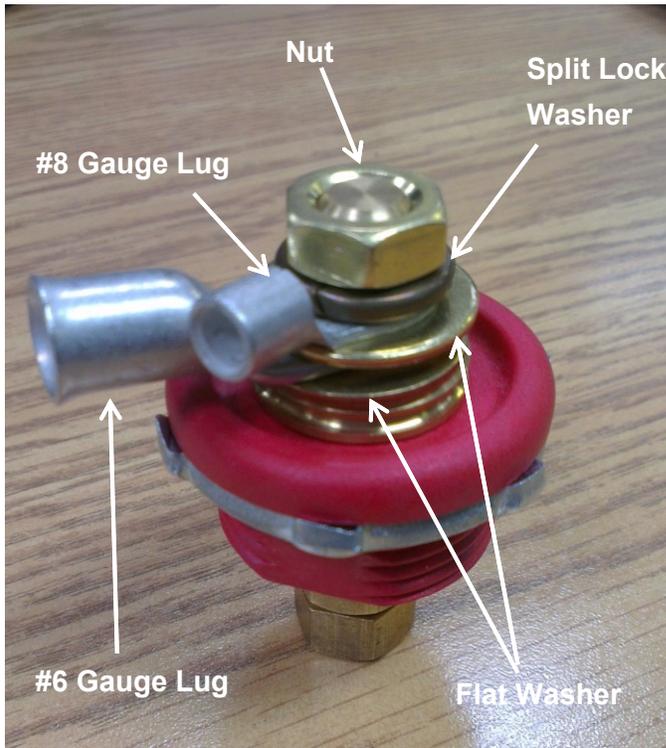


Figure A

Warranty, Service and Support:

Product and service documentation such as tech notes, data sheets, manuals and information on the limited warranty provided on products manufactured by *WATERAX* can be found on our Web site at: www.waterax.com.

***WATERAX* Inc.**

6635 Henri-Bourassa Blvd. W.
Montreal, QC, H4R 1E1
Tel.: (855) 616-1818
(514) 637-1818
Fax: (514) 637-3985
E-mail: info@waterax.com