UniLinc Pocket Hardmount

Quick Start Guide

Alliance Laundry Systems

www.comlaundry.com

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IMPORTANT: Replace all panels that are removed to perform maintenance procedures. Do not operate the washer-extractor with missing guards or with broken or missing parts. Do not bypass any safety devices.

WARNING

To reduce the risk of electrical shock, serious injury or death, disconnect the electrical power to the washer-extractor before examining the electrical components or wiring.

W704

What's New?

Output Board AP1:

If you need to remove the Output Board API, it is not necessary to detach it from the mounting base. The Output Board API and mounting base can be removed together as an assembly.

To remove the output board and mounting base, remove the screw that attaches them to the control module. Refer to *Figure 1*.

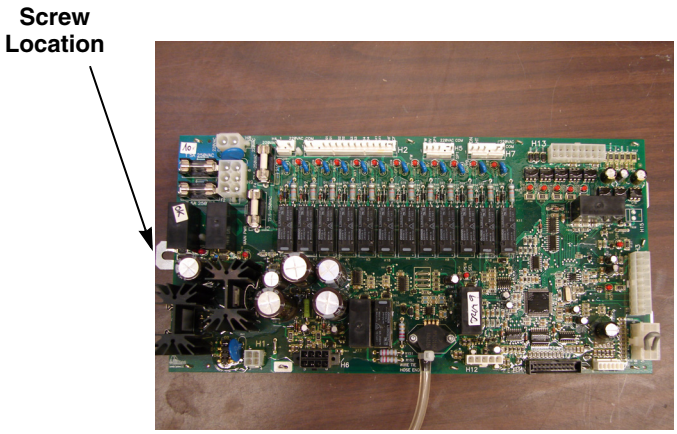

Figure 1

AC Drive:

The drive is mounted in a box on the left side of the machine. Wiring diagrams and extra fuses are located inside of the drive box. The single input power block is located inside of the drive box. Electric heat machines have a single input power block. Refer to *Figure 2*.

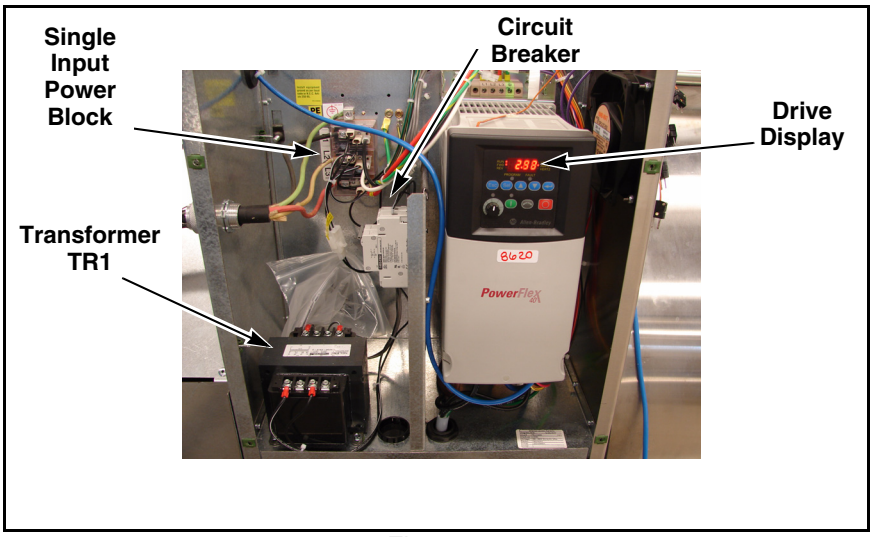

Figure 2

Due to the nature of VFD (variable-frequency drives), you may experience communications interference with devices located near the machinery or plugged into the same branch circuitry (e.g., AM radios, TVs, computers).

Depending on where this device is located, you may want to purchase an EMI filter to eliminate the interference. The EMI filter mounts directly behind the drive. Refer to *Figure 3*.

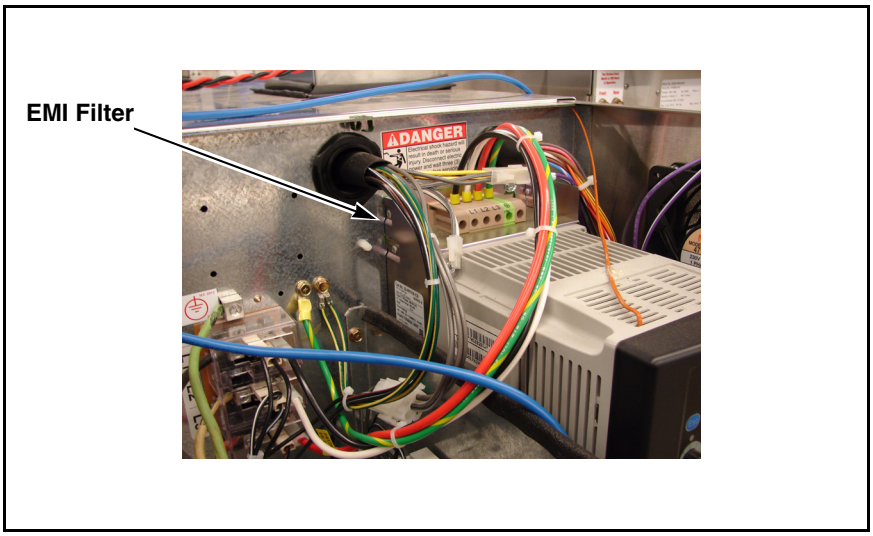

Figure 3

As another option, you might be able to eliminate the interference by purchasing an RFI/Surge suppression device at your local electronics store.

When using a suppression device, plug it into an AC outlet and then plug the accessory device (e.g., AM radio, TV) into the suppressor.

NOTE: Do not plug the washer-extractor into the RFI/suppression device.

External Supply Connections:

External dispenser connections are 24 Volts AC. Connection diagrams are located on the back of the external supply connection panel. Refer to *Figure 4*.

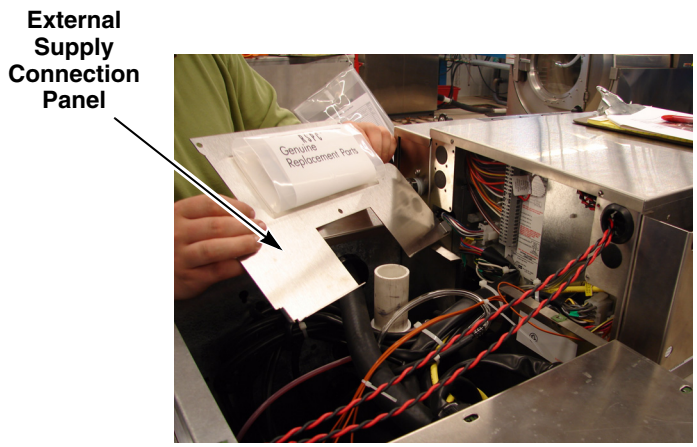

Figure 4

The bracket located on the left side of the control module is provided for mounting the external supply controls. Refer to *Figure 5*. Only the external supply controls should be mounted to the bracket. This bracket is detachable from the machine so the controls can be mounted to it more easily.

External supply wiring should be inserted through the holes at the end of the bracket.

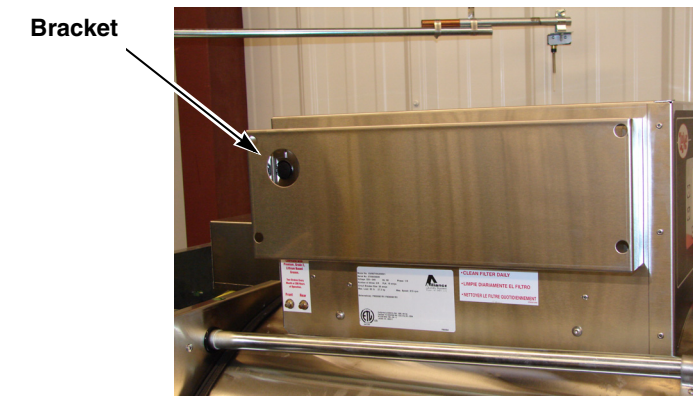

Figure 5

Bearing Lubrication:

Grease zerks are located on the side of the module box. Refer to *Figure 6*.

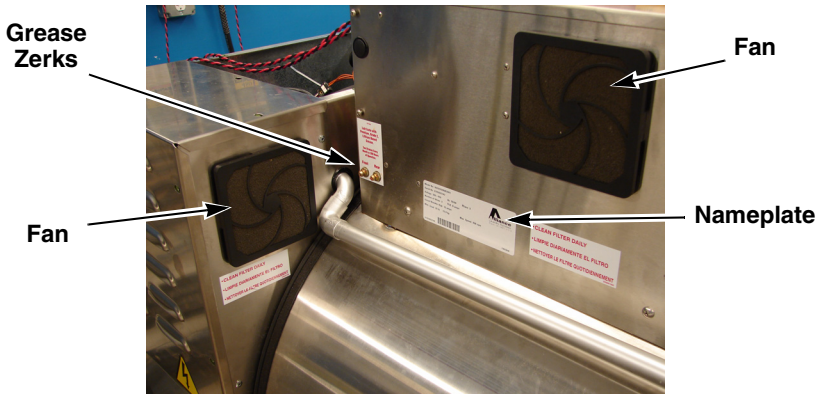

Figure 6

The bearing counter will be displayed after every 200 hours of operation. Refer to *Figure 7*.

Once the bearings have been lubricated, reset the bearing counter by pressing and holding the STOP, BACK and LCD buttons. Press the arrow buttons until Reset Bearing Timer is highlighted and press ENTER. The counter will reset and the text will change to Bearing Timer Reset.

Figure 7

Fans:

Two cooling fans are used. One fan is located on the module box and the other is on the drive box. Refer to *Figure 6*.

Supply Plumbing:

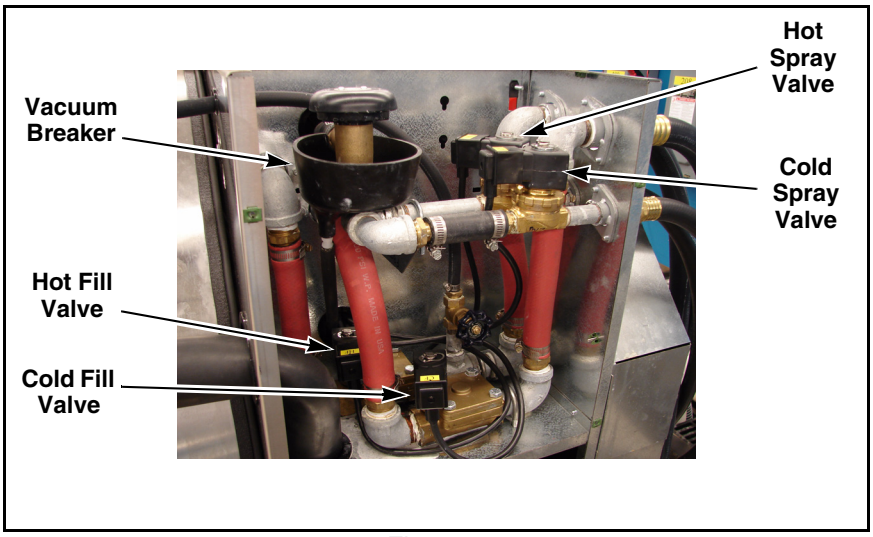

Figure 8

Front End Control:

If you need to remove the front end control, it is not necessary to detach it from the mounting base. The front end control and mounting base can be removed as an assembly.

To remove the control, remove the 2 nuts that attach the top of the control to the control module. Refer to *Figure 9*.

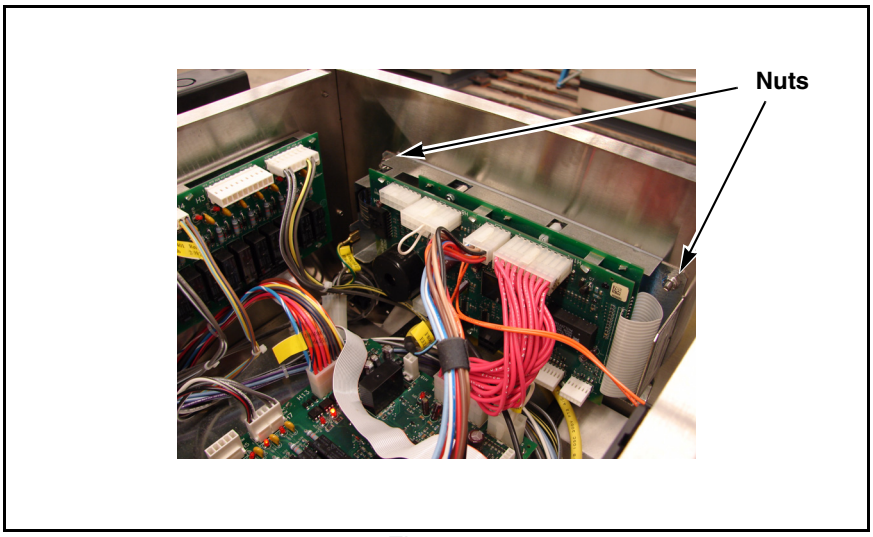

Figure 9

Water Level Transducer:

The water level is controlled by the water pressure transducer on output board AP1. The low water pressure switch does not control the water level. Refer to *Figure 10* for the water pressure transducer location and to *Figure 12* for the low water pressure switch location.

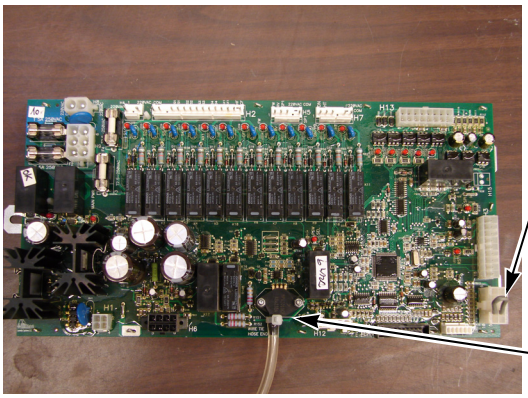

Figure 10

Basic Troubleshooting

WARNING

To reduce the risk of electrical shock, serious injury or death, disconnect the electrical power to the washer-extractor before examining the electrical components or wiring.

W704

The Machine Doesn't Have a Display, Doesn't Power Up or Won't Start

1. Make sure the E-stop button is out and there is power to the machine. Refer to *Figure 11*.

Figure 11

2. Check to make sure the correct transformer jumper (208 Volt or 240 Volt) is in place. Refer to *Figure 12*.

   Refer to the "Optional Electrical Service Connection" label (Part No. F8099701) located on the back of the machine near the electrical service line in for machine electrical requirements.
3. Check to make sure the fuses on output boards AP1 and AP3 are good. Refer to *Figures 12* and *13*.
4. For R-voltage (380-480 Volt) models only, make sure transformer TR1 in the drive box is connected properly for the applied voltage. Refer to the sticker on top of the transformer for connection information. Also make sure the transformer circuit breaker is set. Refer to *Figure 2*.

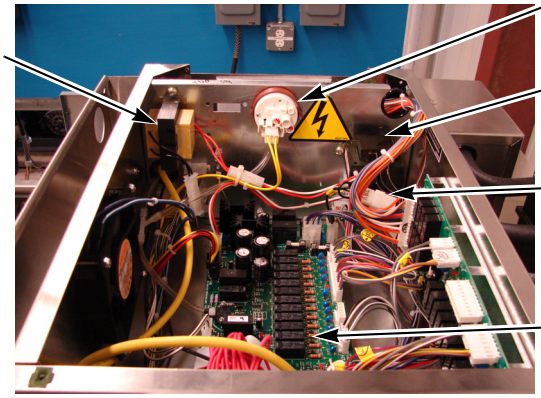

Figure 12

5. Check the drive display for faults. Refer to supplement F232120 for drive fault information. Refer to *Figure 2*.
6. Check to make sure LED 3 (labeled 5VDC) on output board AP1 is on. If the LED is not on, refer to the UniLinc Troubleshooting manual for detailed troubleshooting information. Refer to *Figure 12*.
7. Check all wire harness connections on output boards AP1, AP2 and AP3. Refer to *Figures 12* and *13*.

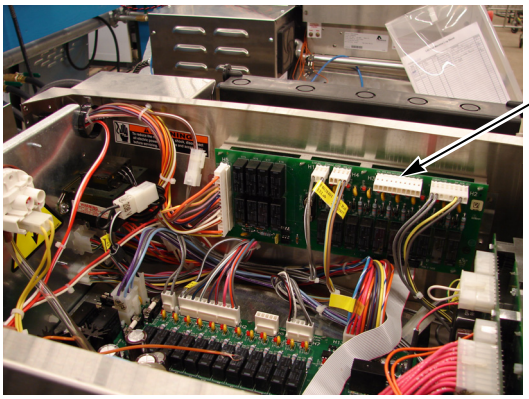

Figure 13

8. Make sure output boards AP1, AP2 and AP3 are energizing by checking to make sure the LEDs on the output boards are on. If the LEDs are not on, refer to the UniLinc Troubleshooting manual for detailed troubleshooting information. Refer to *Figures 12* and *13*.
9. Make sure LED 26 (labeled SPI) on output board AP1 is blinking steadily. If the LED is not blinking steadily, refer to the UniLinc Troubleshooting manual for detailed troubleshooting information. Refer to *Figure 12*.
10. Make sure LED 24 (labeled RST) on output board AP1 is on. If the LED is not on, refer to the UniLinc Troubleshooting manual for detailed troubleshooting information. Refer to *Figure 12*.
11. When the door lock solenoid is energized, make sure LED 3 (labeled DR) on output board AP3 is on. If the LED is not on, refer to the UniLinc Troubleshooting manual for detailed troubleshooting information. Refer to *Figure 13*.
12. When the door is closed, make sure LED 22 (labeled Main Pwr) and LED 23 (labeled INTLCK) on output board AP1 are on. If the LEDs are not on, refer to the UniLinc Troubleshooting manual for detailed troubleshooting information. Refer to *Figure 12*.

The Machine Isn't Filling to the Correct Water Level:

1. Make sure the water supply connections and the water valves are turned on.
2. Note that the water level is controlled by the water pressure transducer on output board AP1. The low water pressure switch is a safety switch only. Refer to *Figure 1* for the water pressure transducer location and to *Figure 12* for the low water pressure switch location.
3. Check the machine configuration jumper on output board AP1 to make sure the correct jumper is in place for the size of the machine. Jumper configuration diagrams are located inside of the AC drive box. Refer to *Figure 1*.

The Machine Doesn't Drain or Won't Hold Water:

1. Make sure the drain valve is connected to the proper frequency (i.e., either 50 or 60 Hertz).