

Encore - Compass Pro - Hero - Installing the Airwallet Harness

This document will walk you through the process of installing your Airwallet Pro330 to your Electrolux washer and dryers with the 4-pin coin drop connection. This guide is for the following machines:

- Encore, Compass Pro, Wascomat, Hero
- Front Load Washer
- Front Load Dryer
- Stack Unit (Required Airwallet units: 2)
- Top Load Washer

What is needed:

- Airwallet Pro330 Unit
- Crimp Connectors (2)

Airwallet Pro330



Installation Video

Coming Soon!

Recommended Dashboard Setup

Fixed → Pulse operated

pulse length: 80-125ms, pulse repetition: variable, busy signal: None

Recommended Machine Setup

This guide is for reference only and may change. You will need to refer to the Electrolux programming guide for pricing setup.

Washers:

Coin/Serial Communication Payment Mode Setting

1. In Coin configured machines unlock and remove the coin box. Press and release the Service Switch located in the rear of the coin vault to enter service mode. In non-Coin configured machines invoke full service mode via Reg 36 which must be enabled at installation. See Service Mode page 6:1.
2. All segments of the display will be lit.
3. Press the "HEAVY SOIL" and "EXTRA RINSE" buttons simultaneously. This display shows "0" if the machine is in COIN MODE or "1" if the machine is in CARD MODE.
4. Press the START button. The display flashes.
5. Press the COLD program button to change the operating mode. The left-most digit changes 0 → 1 or 1 → 0, indicating the new mode (0 = COIN=default, 1 = CARD).
6. Press the START button. The display stops flashing.
7. Press the service mode button to exit the service mode.
8. Disconnect and reconnect power.

PRICE PROGRAMMING

1. To enter the service mode, unlock and remove the coin box.
2. Press and release the Service Switch located in the rear of the coin vault to enter service mode. All the LEDs on the control panel begin to flash.
3. Press one of the six program or option buttons, for which the price is to be programmed. The current price for that selection is displayed.
4. Press the START button. The price will blink, indicating it can now be changed.
5. Use the four program-selection buttons; COLD, WARM, HOT, and DELICATE to change each of the four digits in the price. Each button increments a corresponding digit, left to right, in the price. The digits "roll over" from 9 to 0 without affecting the other digits. The left most digit cannot be set to "0" but can be blanked out completely.
6. When the desired price is displayed, press START. The display will stop blinking, indicating the new value has been saved.

7. Repeat steps 3 through 6 for each remaining wash program and option. The option buttons only adjust the basic programs, and are typically set to 0.25 or 0.50, for example.

8. When all prices have been entered, press the Service Switch in the coin vault, to exit service mode.

9. Check the newly entered prices by selecting each program without, and then with, the option selections.

Register 26 ("No Decimal in Price") determines how prices are displayed by the machine. When set to "00" (default), prices are set and displayed with a decimal (e.g. "3.00"). When set to "01", the decimal point is turned off, and prices are set and displayed as "number of coins or tokens" required (e.g. "12"). In either case, the value of each coin drop is stored in Register 33 "Coin Value 1" and Register 34 "Coin Value 2" and determine how much the remaining price will be reduced each time a coin is deposited. The coin-value registers can be adjusted to accommodate any currency. See

instructions later in this manual to change the setting.

Dryers:

Price Programming & Drying Time Program Setup

Amount to Start (ATS) service registers 040-043 define the price that must be paid before a selected program may be started.

The ATS price is displayed when the machine is idle. As each coin is deposited the display will count down by the "Coin 1 Value" or "Coin 2 Value" as the coin pulses are received. The following instructions show how to set up prices for drying programs

1. To enter programming mode, unlock and remove the coin box.
2. Press and release the Service Switch located in the rear of the coin vault to enter service mode. The display will light up all the LED's in the display.
3. Press the Start button and the display will show "SE" confirming access to the service registers.
4. Use the "Low" and "No Heat" buttons to navigate to the desired register.
5. Go to register 40, High heat and press Start to enter. The current price will be shown in the display, blinking.
6. Use the three program selection buttons; Medium, Low, and No Heat to change each of the three digits in the price display. Each button increments a corresponding digit, left to right, in the price. Each digit rolls over from 9 to 0 without affecting the other digits. Once the desired price has been set in the register, press the Start button to save the value and exit the register.
7. If registers 041, 042, and 043 = "0.00" the values of these registers will be set to the same value as register "040". If different pricing is desired, program each register separately repeating steps 4-5.
8. Press the Service Switch in the vault to exit service mode.
9. Check the newly entered prices by selecting each program.

Register 030 (Coin / Token Mode) determines how prices are displayed by the machine. When set to "00" (default), prices are set and displayed with a decimal (e.g. "3.00"). When set to "01", the decimal point is turned off, and prices are set and displayed as "number of coins or tokens" required (e.g. "12"). In either case, the value of each coin drop is stored in Register 031 "Coin Value 1" and Register 032 "Coin Value 2" and determine how much the remaining price will be reduced each time a coin is deposited. The coin-value registers can be adjusted to accommodate any currency.

Time for Amount to Start

The time for amount to start registers Register (044 – 047) defines the time credited when the amount to start has been paid or the base time of the drying program when Amount to start = 0.00 (00 in token mode). This time is credited when a program-selection (temperature) button is pressed for the first time if the remaining drying time = 0. These registers are only accessible in Full Service Mode.

Time Per Coin (or Push In Free Dry Mode)

Register (048 – 051) defines the time, in minutes, that is credited when a coin pulse is received from a payment device or when a program button is pressed when amount to start (ATS) Register (040 -043) = 0, AFTER the initial "Time for amount to start" has been credited, whether the machine is idle or operating. This register is only accessible in Full Service Mode. Once these registers are set, the control vends the same amount of time for each coin pulse received from the payment device (or push of a program button if Amount to start = 0 for that program), up to the Maximum drying time specified for the particular program.

Installing The Airwallet Pro330

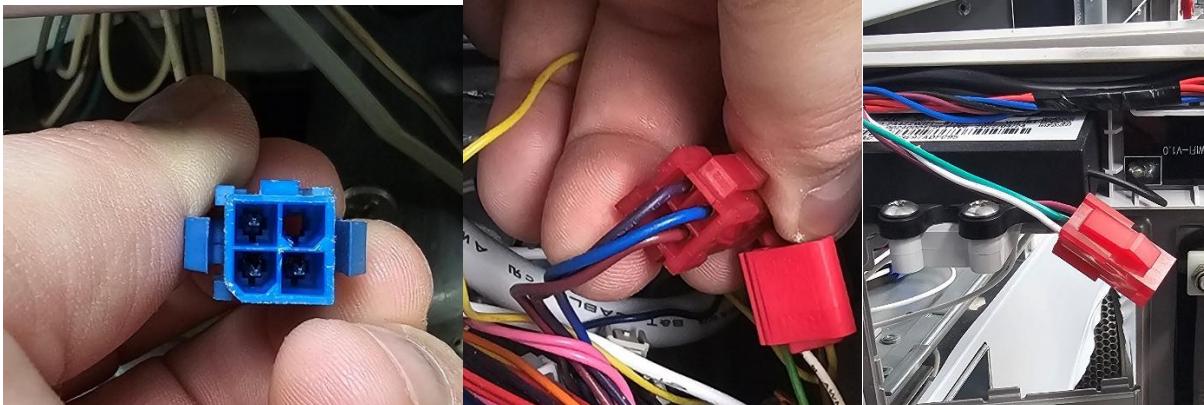


WARNING! Disconnect power or turn off breaker prior to performing this installation.

1. Power down the machine by unplugging or turning off the breaker.
2. Open the front control and TOP of machine if possible. **!CAUTION!** Take care not to pull on the wires connected to the panel as they may be damaged.

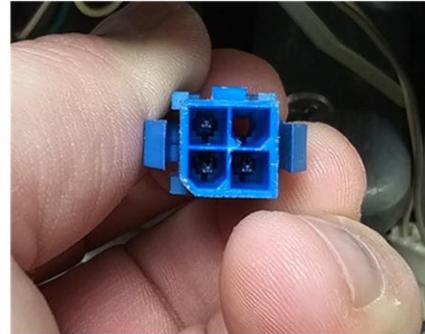
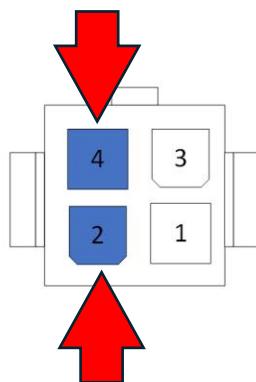


3. Locate the RED or BLUE 4-pin coin connection. The RED connection is generally the COIN 1 but this may vary. The color of the wires will vary from machine to machine and should not be used for reference. The correct pins should be used.



The wires connected to the pins marked below, are the correct wires to connect to for proper operation.

NOTE! The color of the wires connected to these pins may vary.



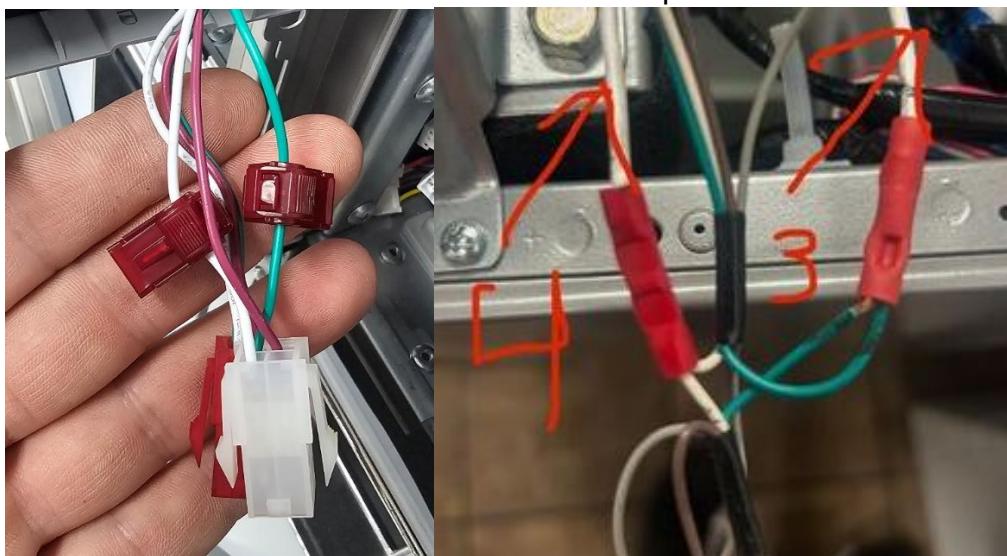
NO COIN DROP

If no coin drop will be used, you will need to tap into the coin drop connection wires. We recommend using the 3M 951K Crimp connectors and BLUE crimp on male spade connectors for the easiest installation. This method does not require cutting any wires.

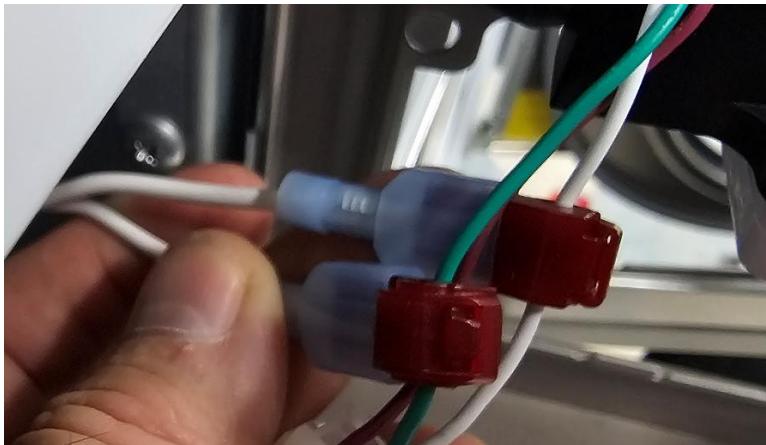


WASHERS

1. Locate the RED or WHITE coin drop connection on the machine and crimp the RED 951K Spade plug On to the wires. You can also cut these wires and tap in with WIRE 3 and WIRE 4 from the Airwallet unit.



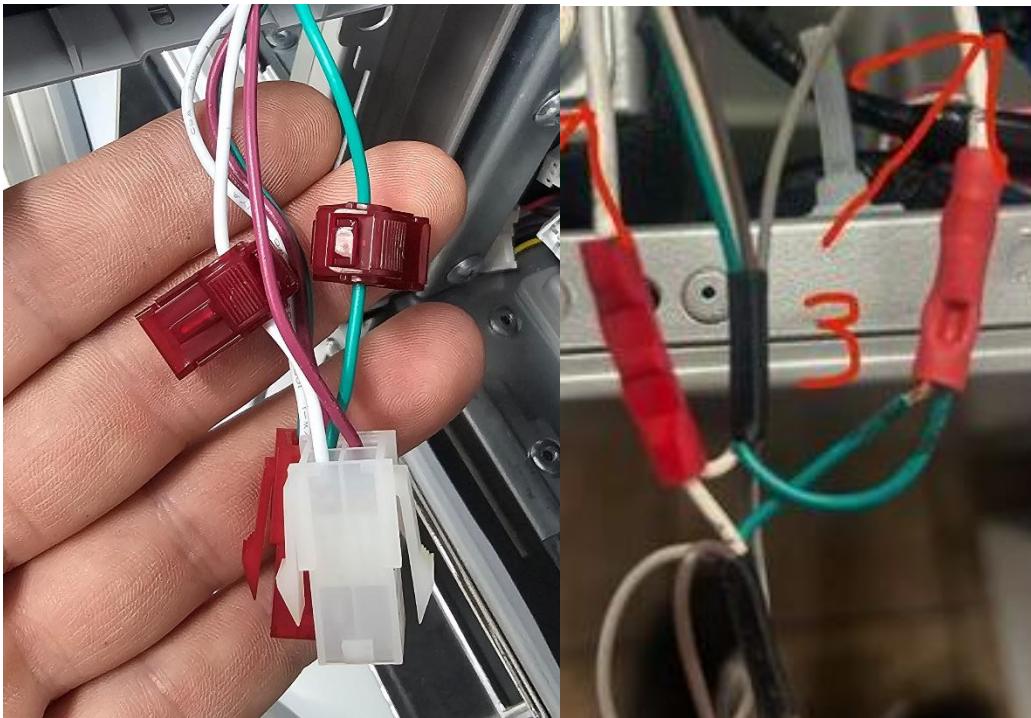
2. If you are using the 951K connectors, you will need to crimp the BLUE spade connectors on to WIRE 3 and WIRE 4. Connect WIRE 3 to the WHITE wire and WIRE 4 to the GREEN wire.



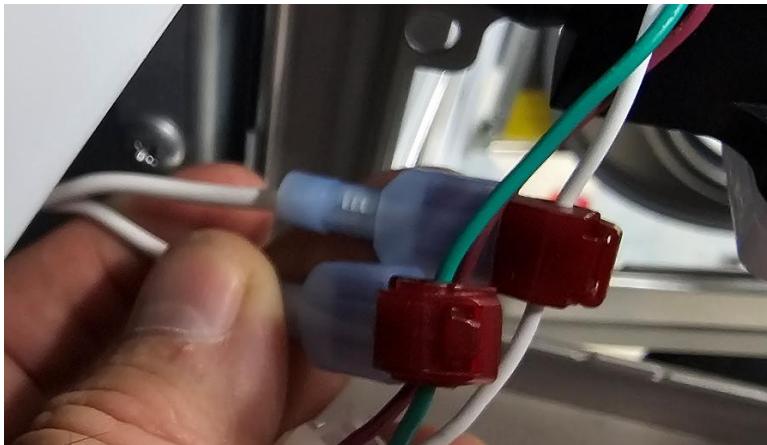
DRYERS

Encore, HERO and Compass Pro machines all use the Normally closed or NC connection on coin drops and need to be hooked up differently.

1. Locate the RED or WHITE coin drop connection on the machine and crimp the RED 951K Spade plug On to the WHITE and GREEN or BLUE and PURPLE wires. You can also cut these wires and tap in with WIRE 3 and WIRE 7 from the Airwallet unit.



2. If you are using the 951K connectors, you will need to crimp the BLUE spade connectors on to WIRE 3 and WIRE 4. Connect WIRE 3 to the WHITE wire and WIRE 7 to the GREEN wire.

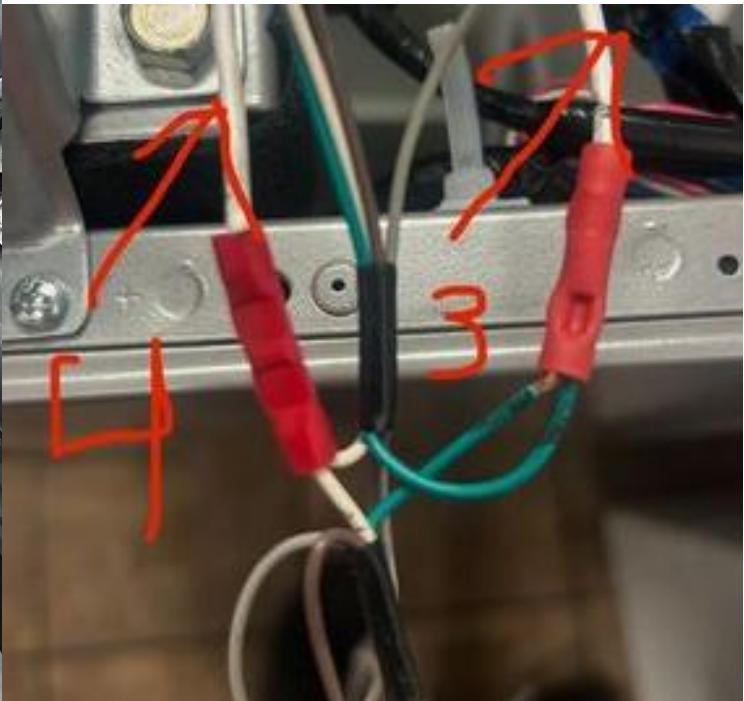


COIN DROP Installed

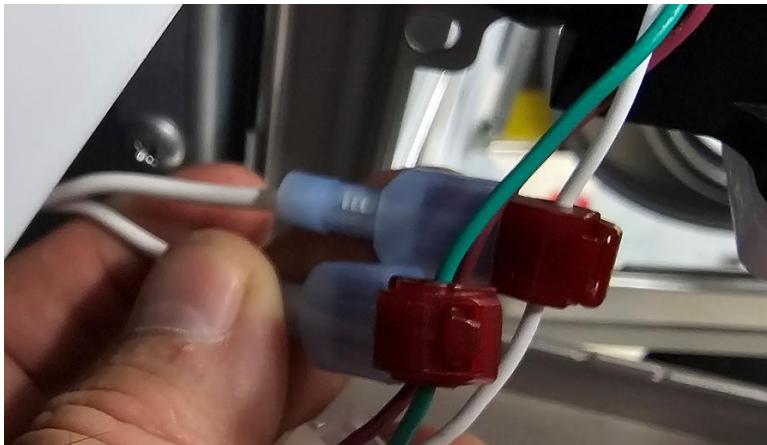
WASHERS

Washer simply requires tapping into the coin drop wires.

1. Locate the RED or WHITE coin drop connection on the machine and crimp the RED 951K Spade plug On to the WHITE and GREEN or BLUE and PURPLE wires. You can also cut these wires and tap in with WIRE 3 and WIRE 4 from the Airwallet unit.



2. If you are using the 951K connectors, you will need to crimp the BLUE spade connectors on to WIRE 3 and WIRE 4. Connect WIRE 3 to the WHITE wire and WIRE 4 to the GREEN wire.

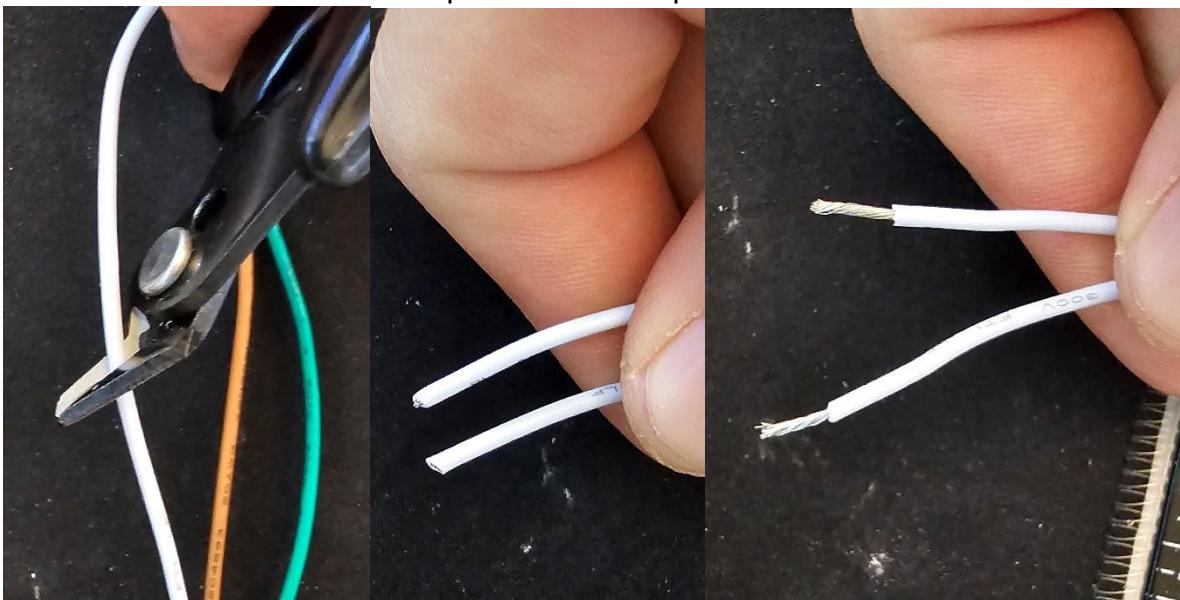


DRYERS

Since the dryers are normally closed, you will need to interrupt the COM signal for the coin drop and send it through the Airwallet unit. For the easiest completion of this task we would suggest purchasing WAGO electrical connections. These can be found at any hardware store:



1. Cut the WHITE wire on the coin drop harness and strip the wires.



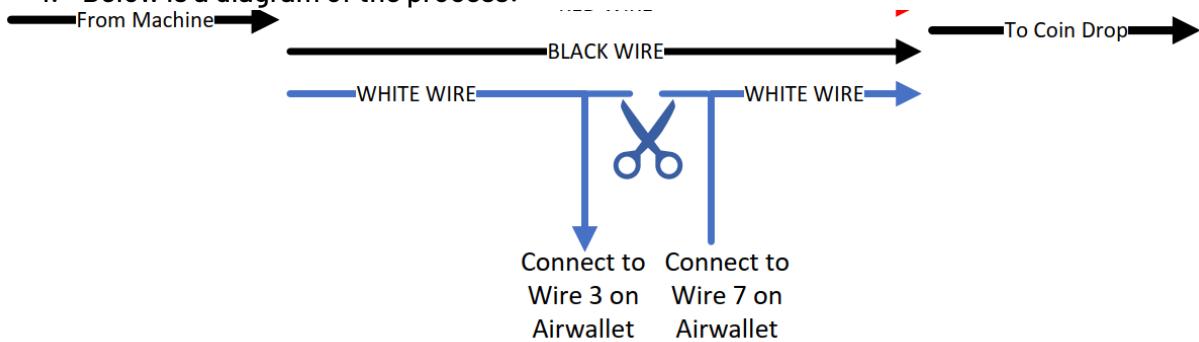
2. Connect WIRE 3 from the Airwallet unit to one side of the cut wire.



3. Connect WIRE 7 to the remaining cut wire.



4. Below is a diagram of the process:

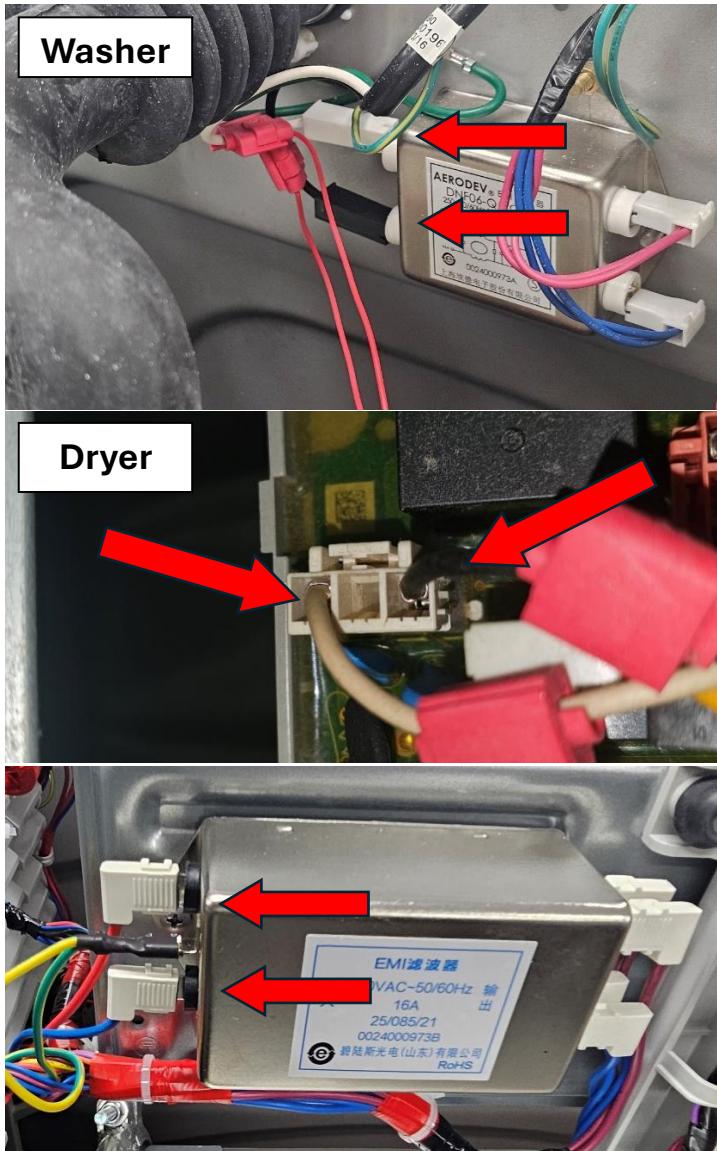


POWER CONNECTION

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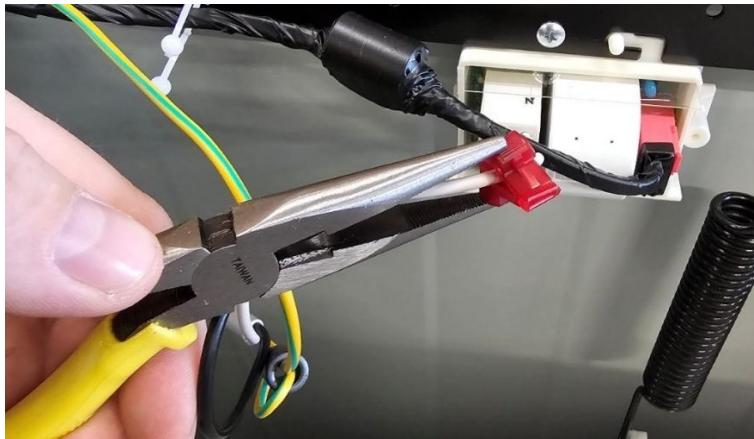
Locate the AC power block inside of the machine. Each manufacturer uses a similar transformer. You will be tapping into the incoming 120/240 volt power. You may need to tap into the incoming power directly.

On the washers, it will be located on the rear or center of the inside of the machine. On the dryers, it will be located on the left side. The block will have a **BLACK or BROWN (L)** and **WHITE or BLUE (N)** wires coming from the AC power input depending on the country you are located.



1. Install the RED 3M 951K wire crimps to the power wires and then plug the two power wires into the crimp connectors. **NOTE! You may need to create extension wires to reach the power connection.**

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2. If the Dashboard programming has not been done prior, make sure to note the serial number or take pictures of the label on the bottom of the PRO400 unit.



3. Mount the Airwallet unit inside the machine.

Front Load Washer/Dryer: Strap Airwallet unit to the cross beam located directly behind the control panel:



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4. Top Load Washer/Dryer: Adhere the unit to the back of the control panel out of view of users feeding the harness through the passthrough hole on the back of the machine. **DO NOT mount inside the coin vault of the machine:**



5. Once you have confirmed all connections are made, and the serial numbers are gathered you can reassemble the machine and proceed to the software setup.

For installation issues or concerns, Contact Airwallet support