



Tommy Car Wash Systems | 581 Ottawa Ave # 300 | Holland, MI 49423 | [Tommycarwash.com/Support](http://Tommycarwash.com/Support)

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## Terminal Strip Testing

This document will explain how to properly perform Terminal Strip Troubleshooting on the Solaronics Heated Blower units. This will help identify why the unit may not be igniting even though the fan is spinning.

***This process includes being in a High Voltage (480vac) environment, so it is recommended to have a licensed electrical contractor to perform the troubleshooting.***



#### Required Tools:

- Standard Multimeter

#### Optional Tools:

- Spare wire (18 AWG or larger)
- Terminal Screwdriver

#### Steps:

1. Set your multimeter to the "V~" or AC voltage
  - a. Some multimeters will have you set a range. In this case, set is to 200V~.
2. With power going to the unit and the unit OFF on the Wash Controller, confirm we have 120v on terminal 3
  - a. When testing any terminal, place your red lead on the terminal screw itself while the black lead is on the ground screw to the right of the Burner Control box.
3. Once confirmed 120vac on terminal 3, we can begin the following procedure:
  - a. Confirm the Burner Control box is not faulted out by pressing the blue reset button.
  - b. Once cleared, we will be testing each terminal one by one in the order they turn on to fire up the unit. During the process of testing the terminals, if the unit ever faults out, stop testing immediately, reset the Burner Control box, and start the unit up again to continue testing on the terminal you left off at.
  - c. The firing order is as follows:
    - i. Terminal 3 (should always have 120v when power to the unit is live)
    - ii. Terminal 4
    - iii. Terminal 5
    - iv. Terminal 17
    - v. Terminal 6
    - vi. Terminal 7
    - vii. Terminal 11
    - viii. Terminal 12
    - ix. Terminal 10 (should only have voltage momentarily, so test this upon initial start-up of the unit to verify voltage)



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- x. Terminal 8
- d. After the testing is done, record where we did and/or did not receive voltage

Terminals	3	4	5	17	6	7	11	12	10	8
Voltage Reading (120vac)										

