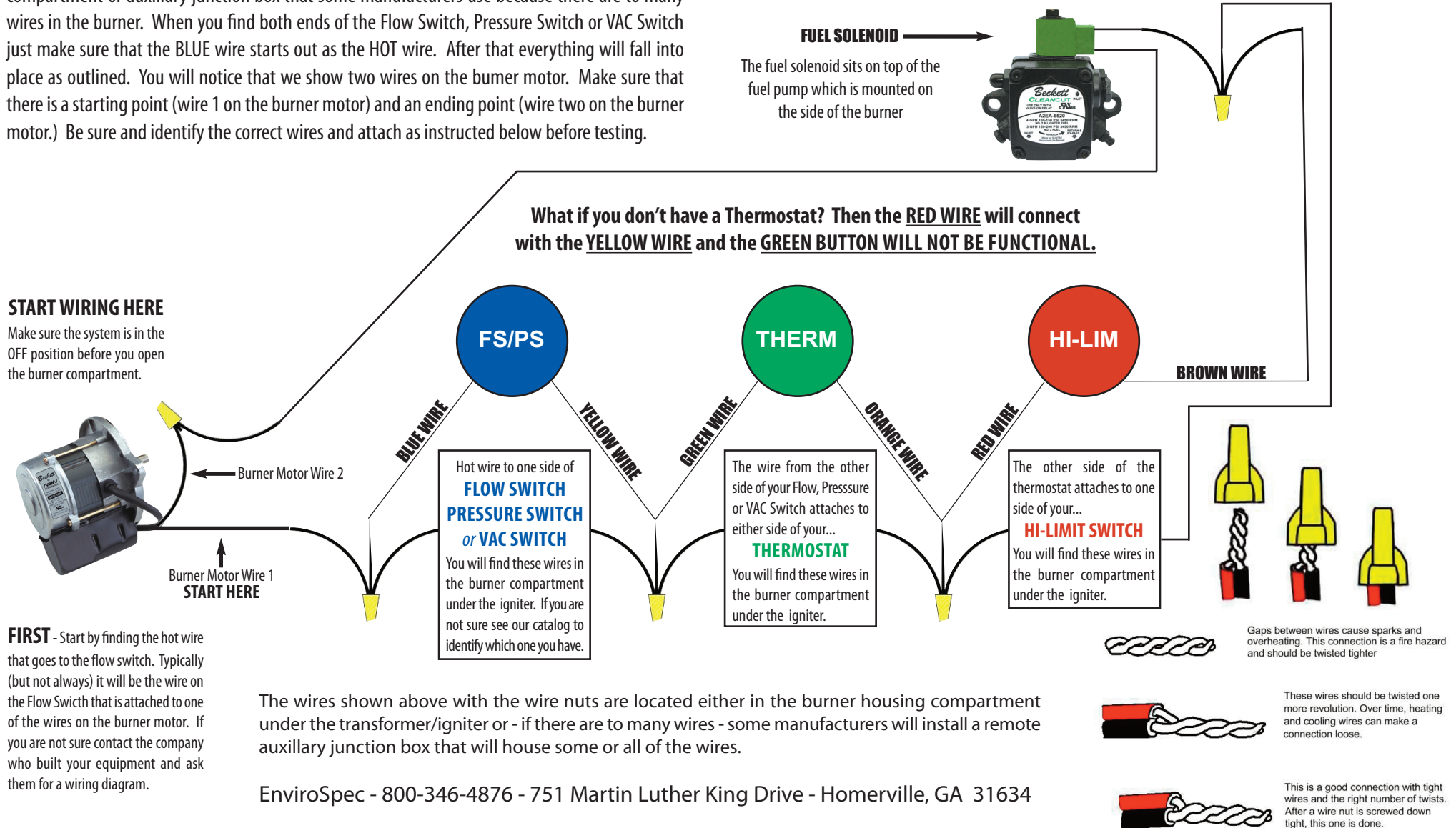


Allison Burner Diagnostic Installation Instructions

You can see by the wiring diagram below - all you are doing is 'by-passing' a component when you press a button. Remember, all you are trying to do is to complete the circuit. For example: the electricity comes in one side of the flow switch and travels to the other side of the fuel solenoid valve. When this happens the solenoid valve will open and allows fuel into the burner for ignition.

Disclaimer: Although it has been our experience that all burners are wired basically the same way this is not a guarantee. Follow the wires from each of the components below into the burner compartment or auxillary junction box that some manufacturers use because there are to many wires in the burner. When you find both ends of the Flow Switch, Pressure Switch or VAC Switch just make sure that the BLUE wire starts out as the HOT wire. After that everything will fall into place as outlined. You will notice that we show two wires on the burner motor. Make sure that there is a starting point (wire 1 on the burner motor) and an ending point (wire two on the burner motor.) Be sure and identify the correct wires and attach as instructed below before testing.

To test the installation follow this procedure. Turn the engine key switch & the burner switch to the ON position but DO NOT start the engine. At this point you should hear the burner motor running. Now press and hold the Blue FS/PS button for 3 seconds. If wired correctly & you have fuel the burner should ignite. If it does not make sure that you have your thermostat set to at least 150 degrees. If the burner still does not ignite you have either wired the system wrong or one of the components is 'bad.' Check the wiring & if okay you should start the engine and put the system under normal operating conditions. With the system running & water is flowing through the gun press each button. If you press a button & nothing happens replace the component that the button you are pressing represents.



The wires shown above with the wire nuts are located either in the burner housing compartment under the transformer/igniter or - if there are to many wires - some manufacturers will install a remote auxillary junction box that will house some or all of the wires.

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