

Webasto Trouble Shooting Flow Chart For Heaters With The Electronic Control Board



1. Does the Interlock Switch Have Continuity.
2. Check DC power supply at the Electronic Controller.
3. Verify DC power at the Diesel Switch (0) terminal on the JP2 Plug on the electronic Controller

Turn the Burner Control Switch ON.

Is the indicator light illuminated?

NO

Yes

Is the Diesel Burner Status Light on the Electronic Controller Illuminated Green?

NO

Yes

Is the Heating Status Light Illuminated Green?

Yes

NO

Is the Diesel Burner's Motor Operating?

NO

Yes

NOTE: The heating status light will only illuminate green when either the Diesel or Electric switch is in the on Position, and the Control Thermostat is calling for heat.

Is the Heater up to operating Temperature? (I.E. above 155 ° F.)

Yes

NO

The Heater is Functioning Properly.

Using a Jumper Wire, Jumper the Diesel (I) and the Diesel (o) Terminals together, on the JP2 plug on the Electronic Controller. If the Diesel burner Status Light Illuminates Green the problem is in the motor Home, Either a loose wire, bad switch, etc. If the Diesel Burner Status Light Does not Illuminate on the Electronic Controller, ensure that the JP2 plug is securely plugged in. If it is then the Electronic Controller will need to be replaced.

NOTE: It is possible for the Plug to be defective. It is recommended to remove the Plug and check the pins on the electronic controller for power using a digital volt meter.

1. Locate the JP8 Power Terminal (also labeled B4 in), on the bottom of the Electronic Controller. Using a Digital Volt Meter, verify that 12 VDC + is present on the JP8 terminal. If 12VDC + is not present Either the metal jumper between terminals B4 in and +12V is not secure, or there is a fuse blown in the Motor Home.
2. Remove the Aqua-Hot's Access cover.
3. Check the Motor's in-line fuse for continuity. Replace if necessary.

NOTE: The Indicator light will illuminate for only 30 seconds if the motor fuse is blown (open circuit)

4. Attempt heater restart

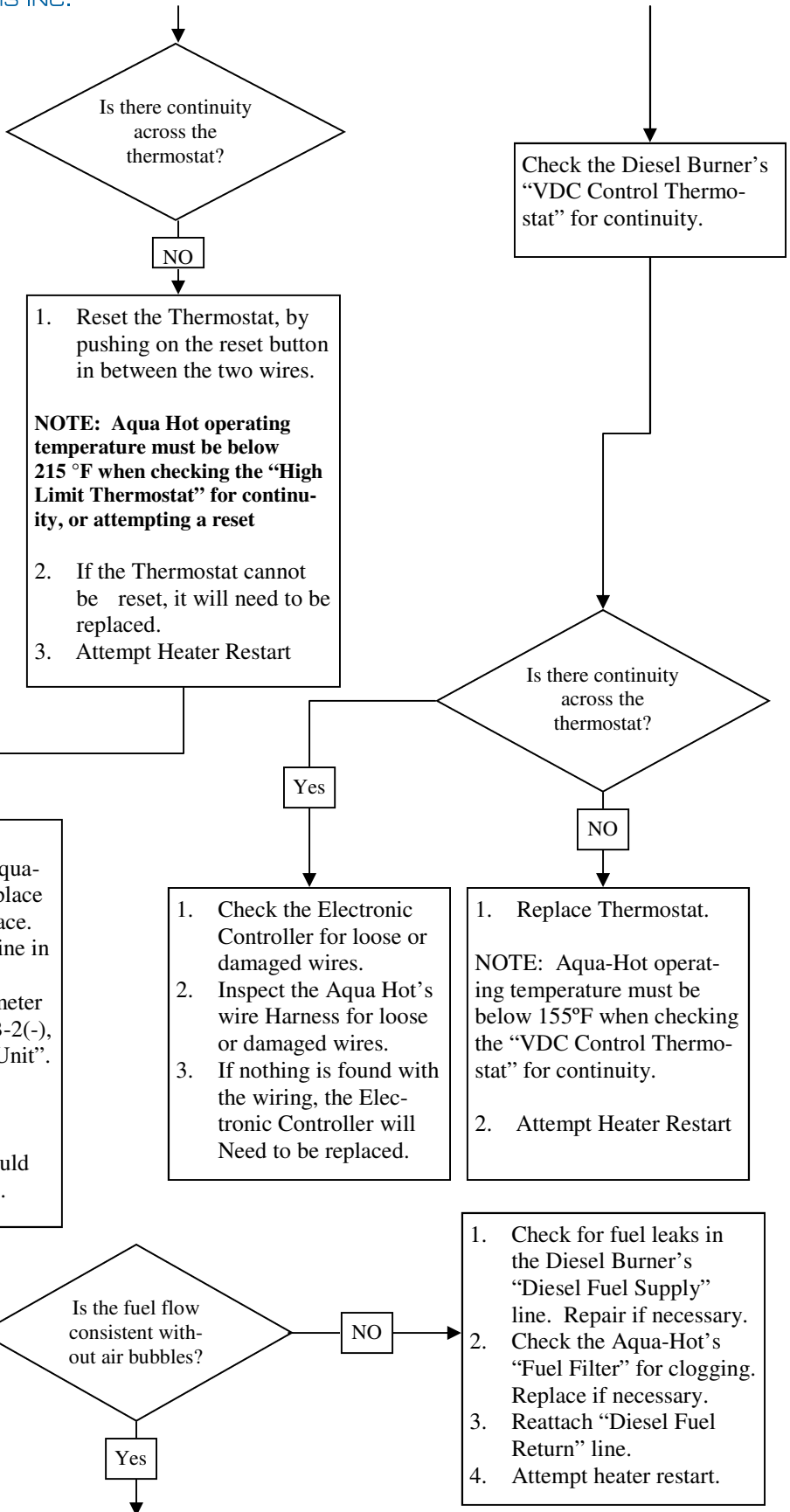
1. Remove the Aqua-Hot's Access Cover
 2. Remove the "Thermostat Access Panel"
 3. Check the Diesel Burner's "VDC High-Limit Thermostat" for continuity
- NOTE: This thermostat protects against overheating temperatures.

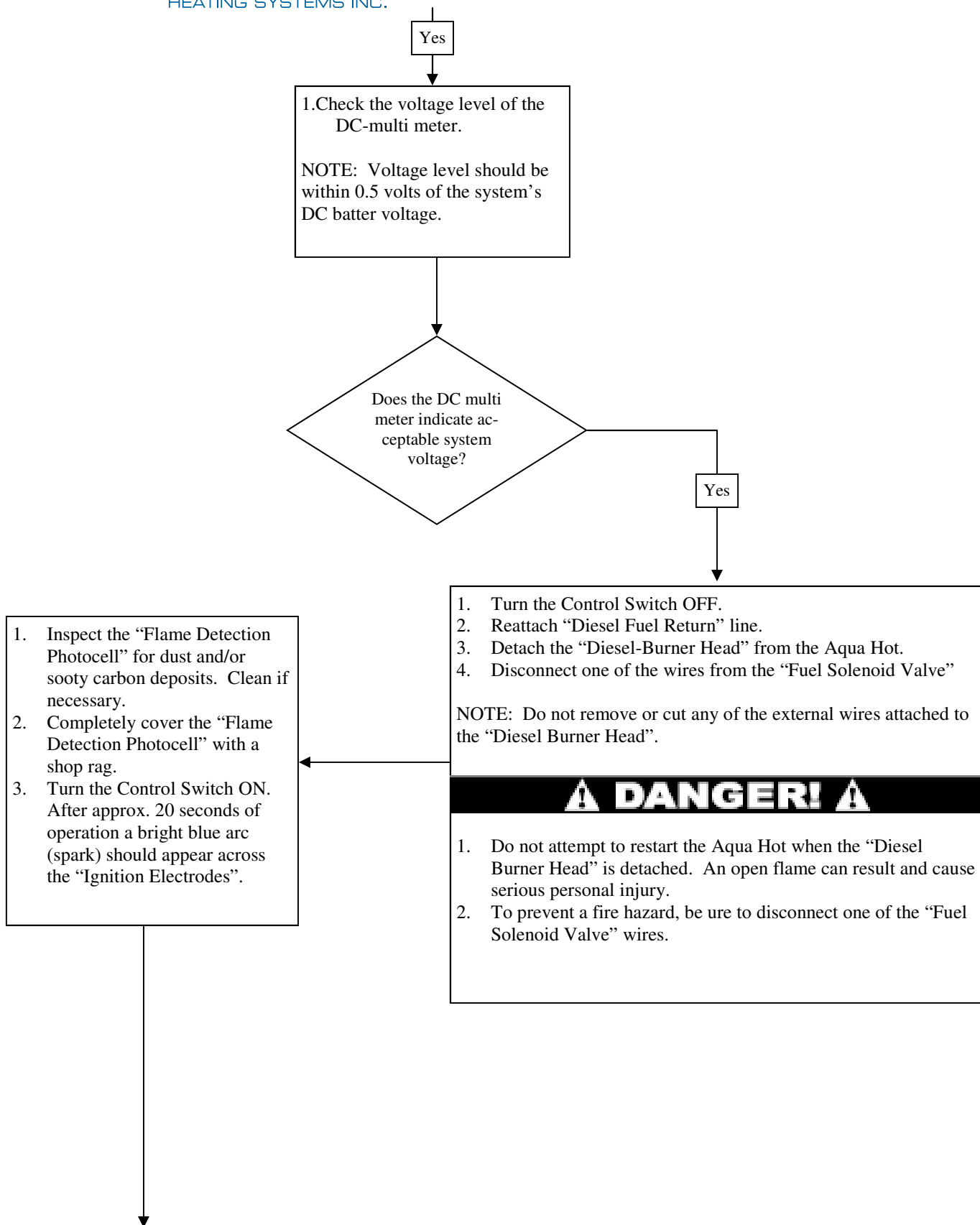
5. Using a digital volt meter, Check both the C7 (I) and the C1(O) Terminals for 12 VDC, on the JP4 plug, on the Electronic Controller. If either wire does not have 12 VDC the Electronic Controller will need to be replaced.

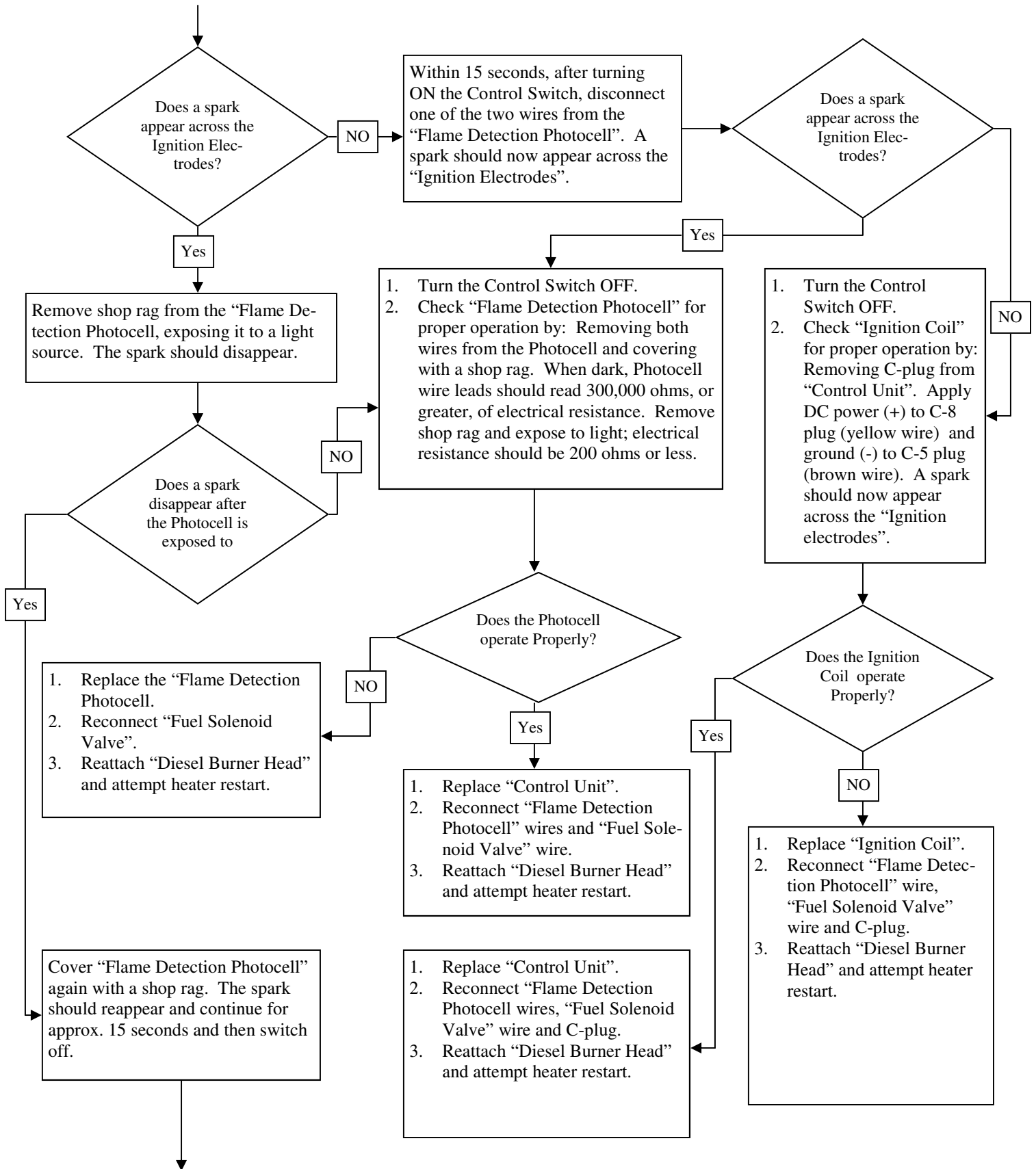
NOTE: The only time both the C7 and the C1 wires will have 12VDC is when both the Diesel Burner Status Light and the Heating Status Lights are illuminated on the Electronic Controller

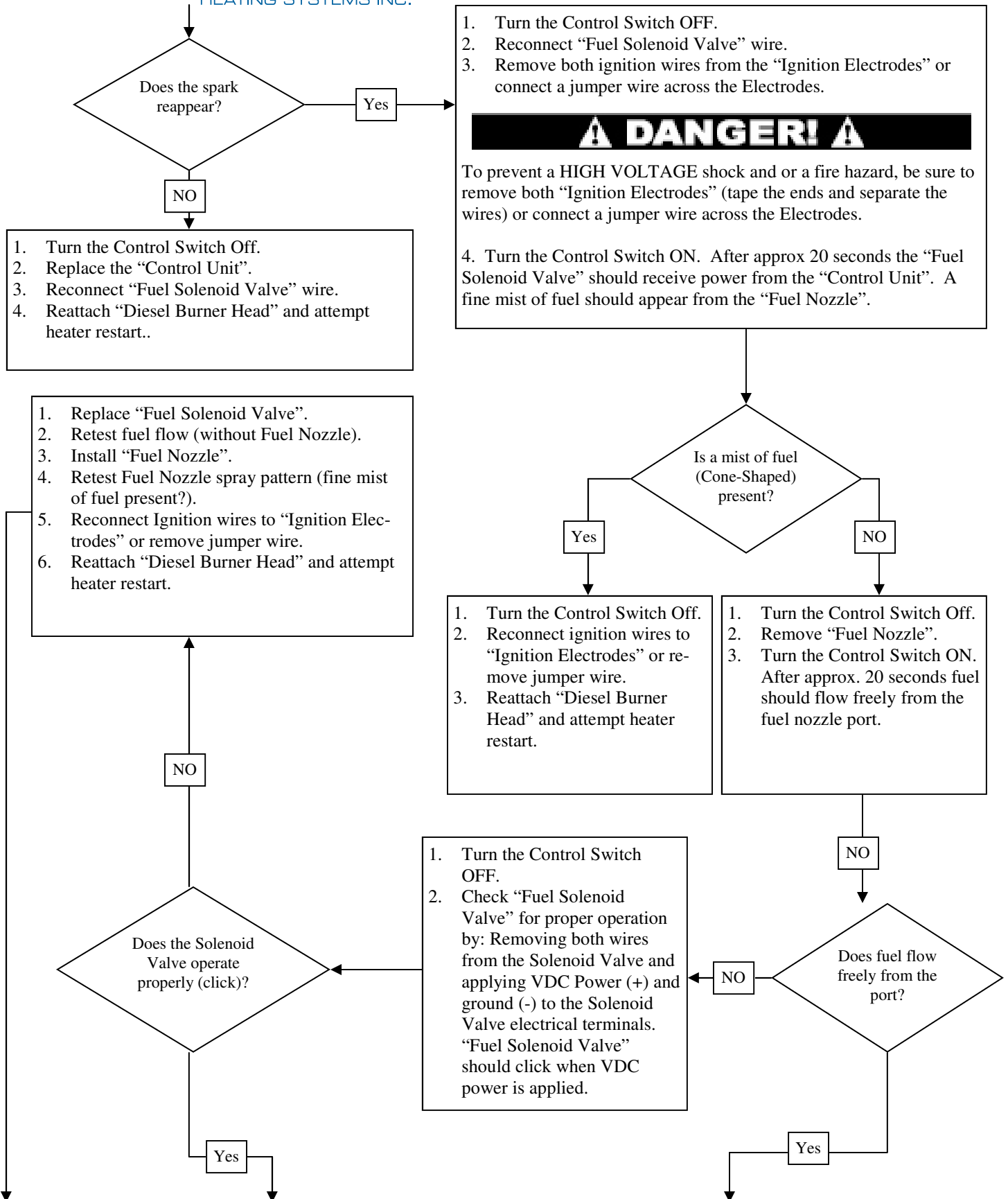
6. The motor may either be bad, or have a flat spot. Hot wire the motor by locating the C-plug and put power to the C-5 pin, and a ground to the C-2. If the motor does not run the motor is bad.

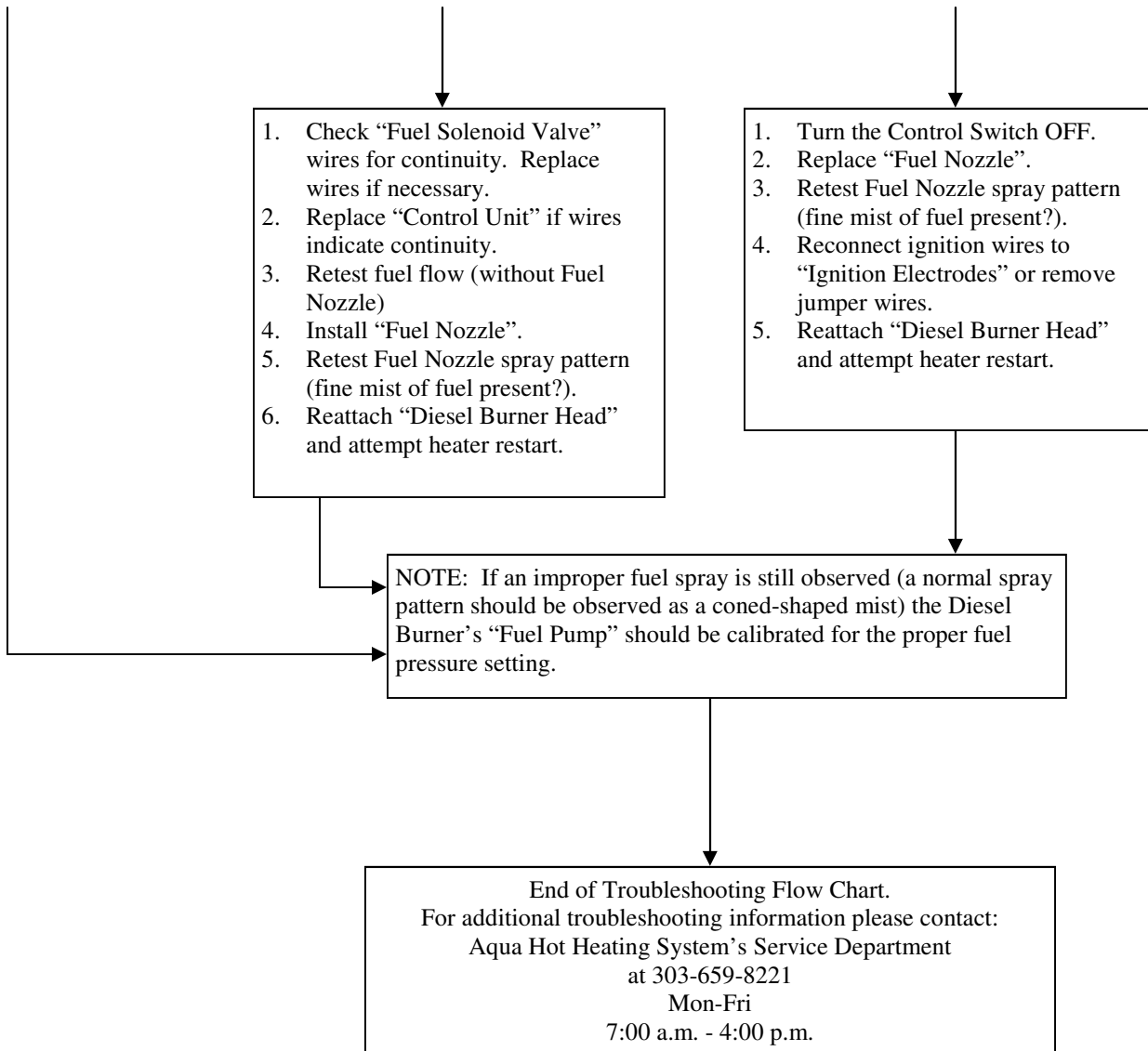
Note: Test the motor several times to find a flat spot. Apply power and take it away to test.











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Over the years of running a mobile RV repair service, having a dedicated place to access service manuals for all the different appliances and components found on RVs was something that I always had a desire to create.

I hope this resource makes your RV repairs easier, as it has mine, but please be careful and follow proper safety practices when attempting to repair your own RV.

If in doubt, please consult with a professional RV technician!



DARREN KOEPP - OWNER, MY RV WORKS, INC.

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