

Pump Won't Run or Start

Check incoming power on L1 and L2 in control box.

Is the voltage between 220 & 240 volts?

Yes
Go to A

No

Check the breaker or disconnect feeding the control box..

Is the voltage OK at the breaker or disconnect?

Yes
Check for faulty wire or bad connections.

No

Are the fuses blown or is the breaker tripped?

Yes
Turn the pump controls off (auto-off-test switch). Reset the breaker or replace fuses.

No

Possible problem with power source or meter socket.

Does the breaker trip or the fuse blow immediately?

Yes
There is a short circuit. Check for faulty wires or connections.

No

Check voltage at L1 and L2 in the control box.

Is the voltage Between 220 & 240?

Yes
Turn pump control on and try to restart the pump.

No

Possible problem with power source or meter socket.

Does the pump start?

Yes

No
Possible causes:
1. Motor locked up
2. Faulty wiring
3. Short circuit

Call Carry Manufacturing
1-800-49-CARRY

Check the current on the black, red, and yellow wire. Compare it with the chart on Page 13 of the Franklin Motor Manual.

F

Are the currents below the full load AMP specs of the size motor in the pump?

Yes

Possible causes of the tripped overloads:
1. Foreign object in pump
2. Temporary power interruption or spike.

No

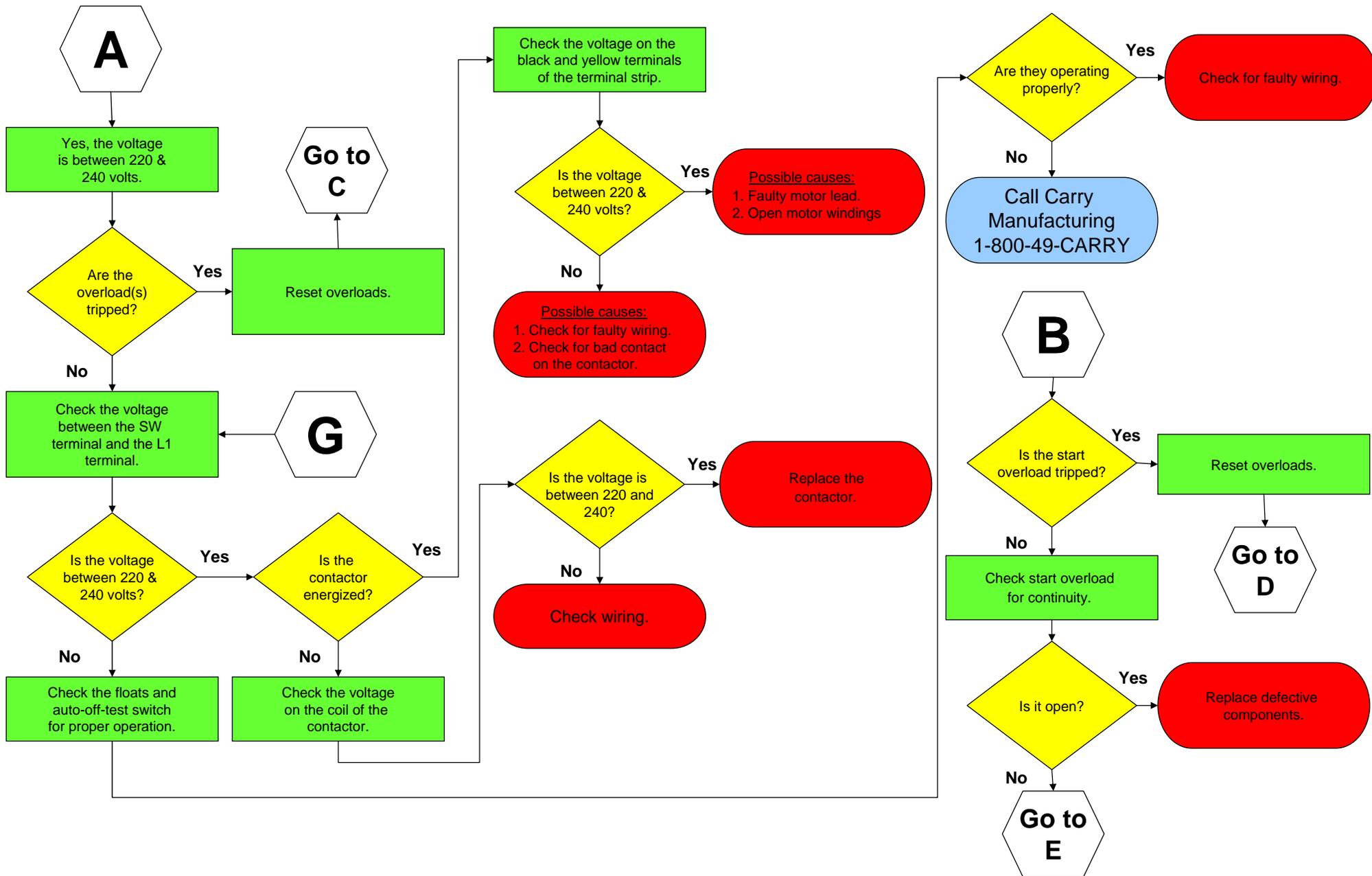
Is there current on the red wire going to the pump?

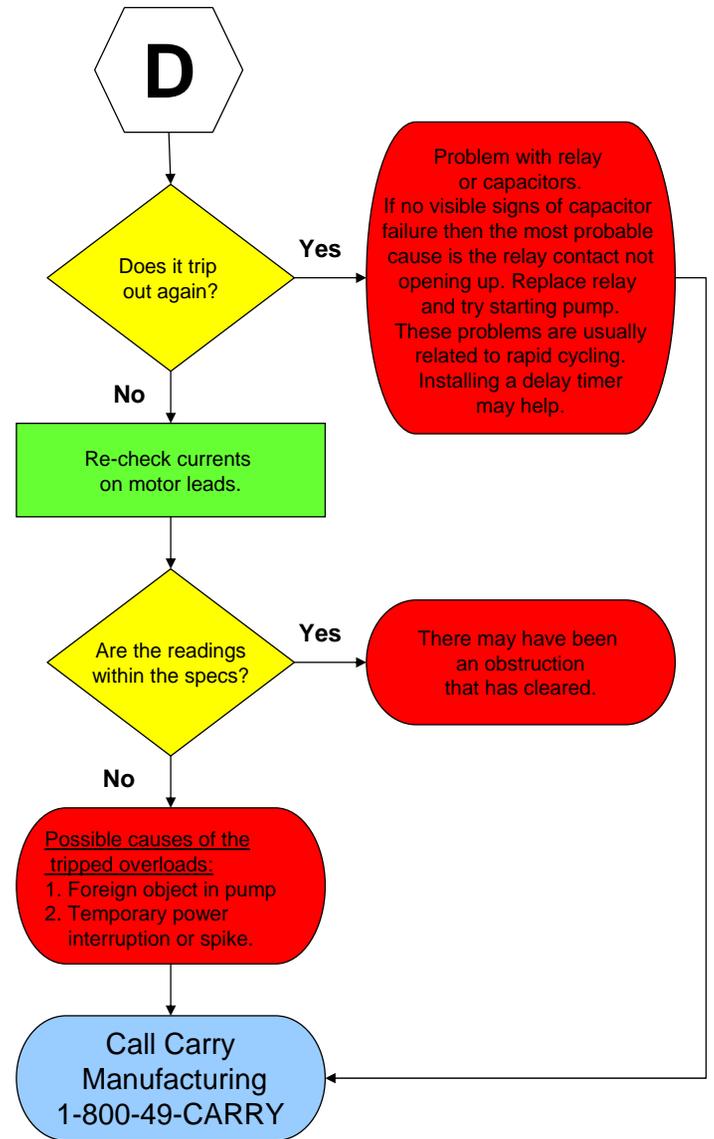
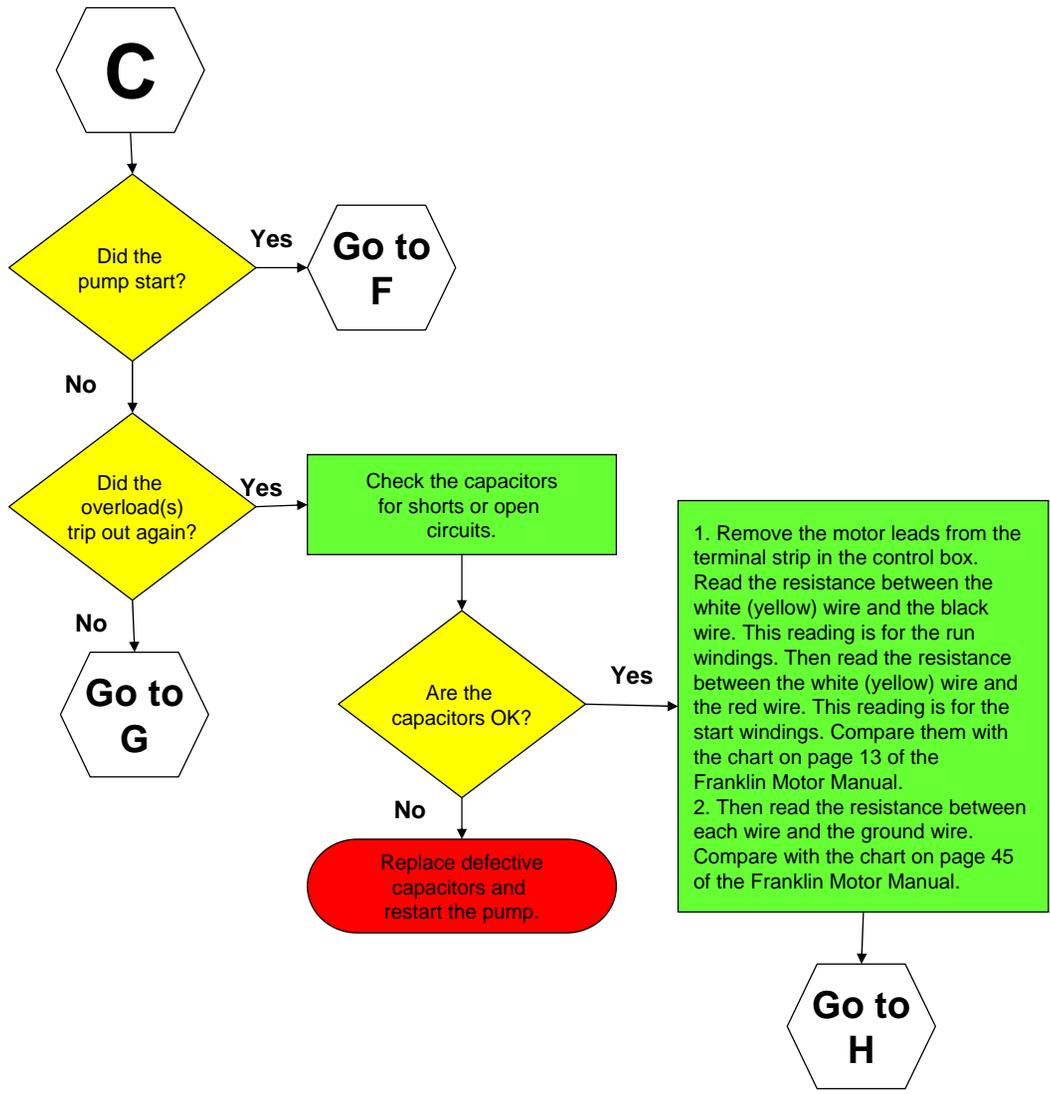
Yes

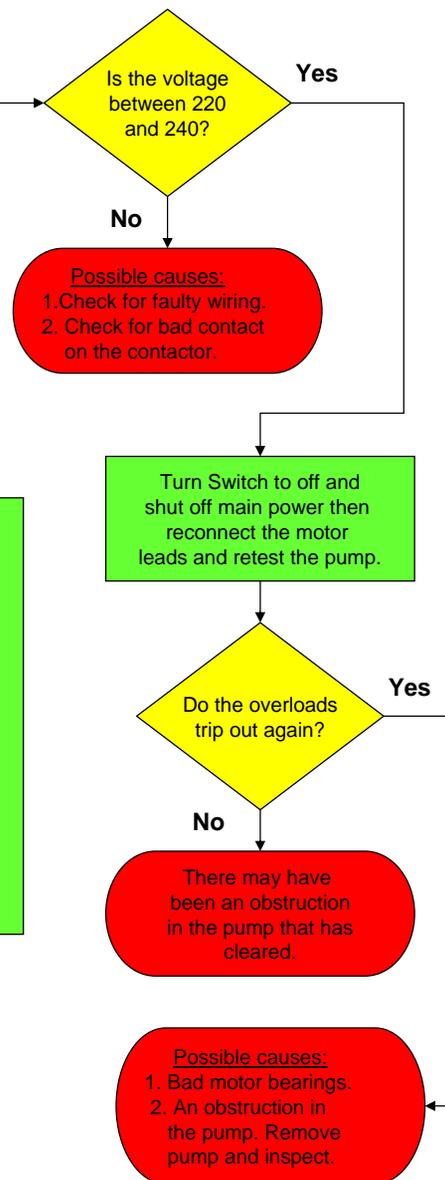
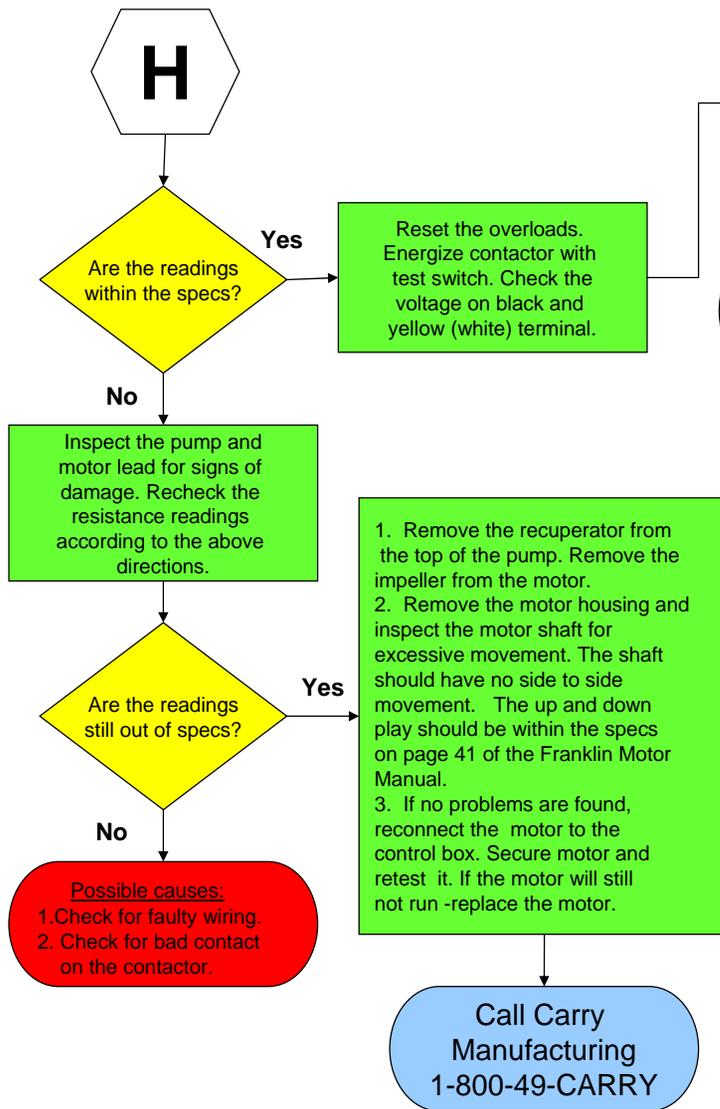
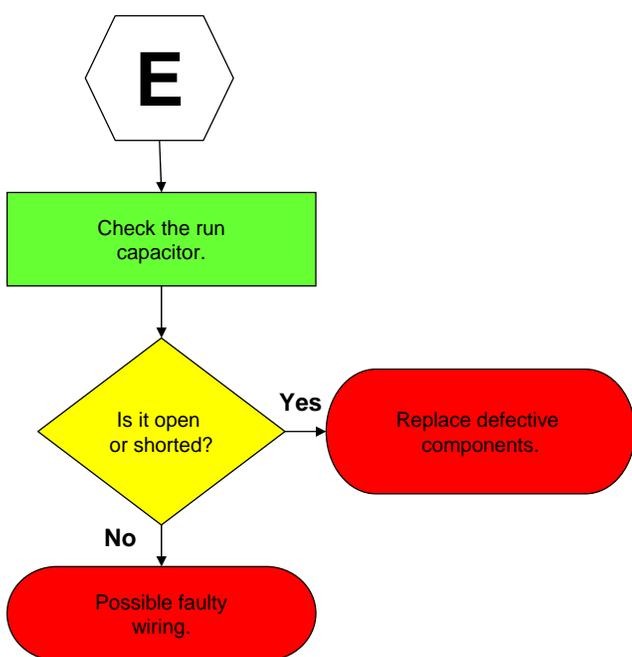
Possible causes:
1. Bad motor bearings
2. Obstruction in pump
3. Faulty motor lead
4. Excessive head pressure on outlet.

No

Go to B







Legend
Green: Trouble Shooting Tip
Yellow: Question
Red: Solution