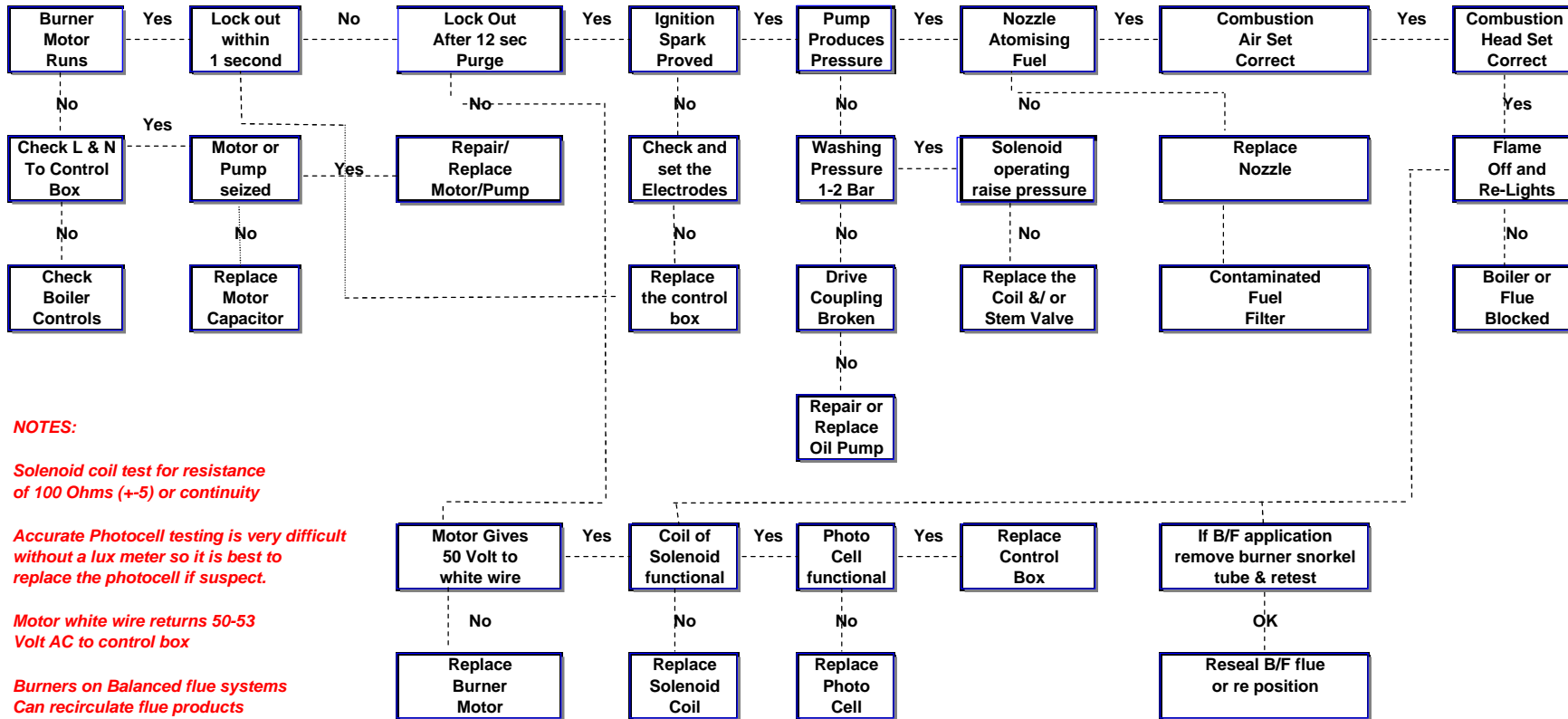


Fault Finding Logic For Control Box Type 535 SE/LD RDB Series Oil Burners



NOTES:

Solenoid coil test for resistance of 100 Ohms (+5) or continuity

Accurate Photocell testing is very difficult without a lux meter so it is best to replace the photocell if suspect.

Motor white wire returns 50-53 Volt AC to control box

Burners on Balanced flue systems Can recirculate flue products resulting in burner recycling if this happens check flue position & sealing

Approx: Coil Voltage
27-30v DC at ignition
3vDC on running

Permanent L/O Light
Check Polarity
Check no feedback on Remote L/O line then Cx Box

Approx: Photocell Resistance:
2 Kohms with a strong Light
OL in Dark (0.8 mA)

Fuel Pump supply line pressure no more than 0.5 bar and vacuum pressure no more than 0.4 bar.

Fuel Pump By-Pass screw fitted in the return Port - Only when using a two pipe system.