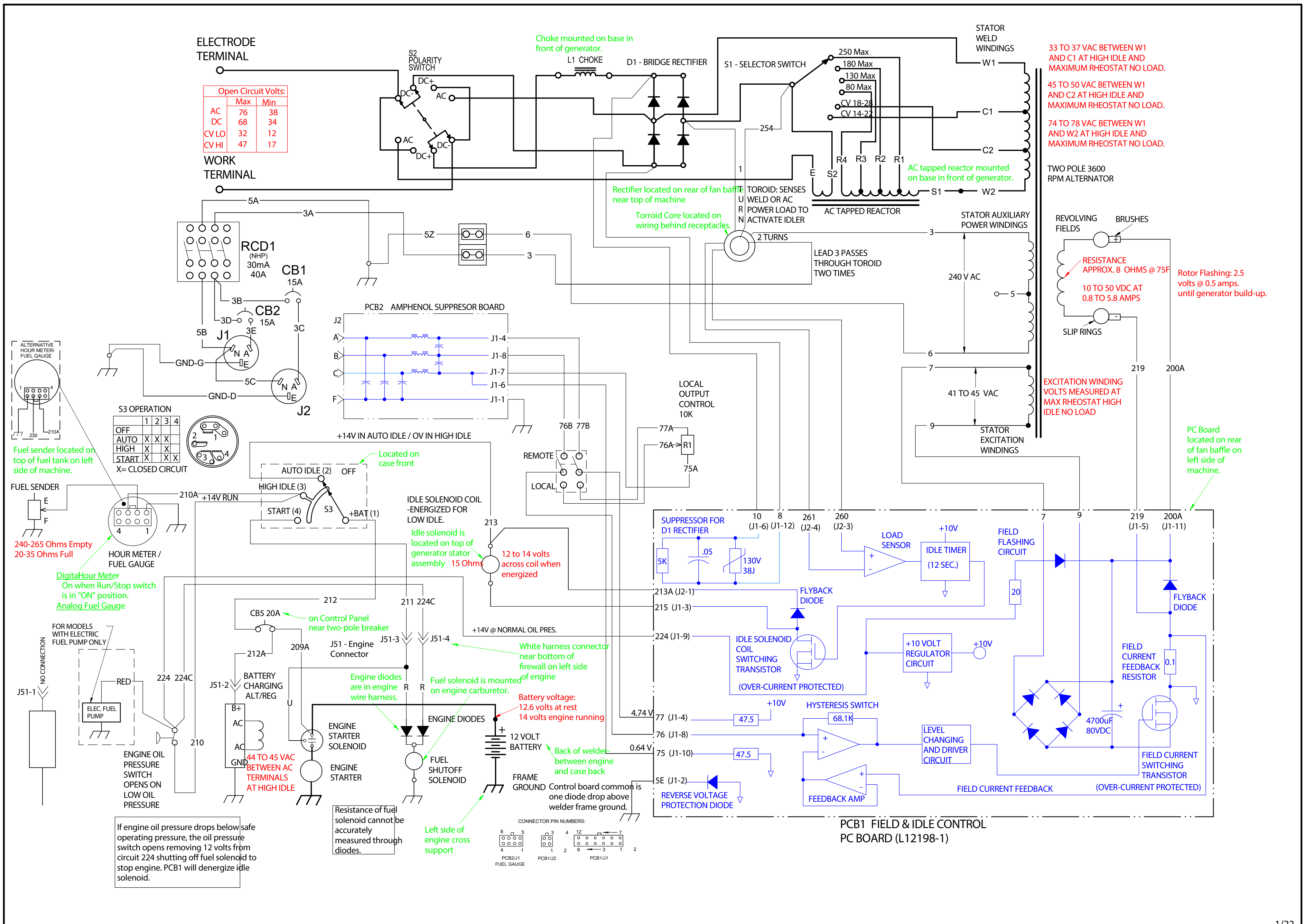


RANGER 250 MACHINE SCHEMATIC L15794 REV: C

ELECTRODE TERMINAL

Open Circuit Volts:		
	Max	Min
AC	76	38
DC	68	34
CV LO	32	12
CV HI	47	17

WORK TERMINAL



33 TO 37 VAC BETWEEN W1 AND C1 AT HIGH IDLE AND MAXIMUM RHEOSTAT NO LOAD.
 45 TO 50 VAC BETWEEN W1 AND C2 AT HIGH IDLE AND MAXIMUM RHEOSTAT NO LOAD.
 74 TO 78 VAC BETWEEN W1 AND W2 AT HIGH IDLE AND MAXIMUM RHEOSTAT NO LOAD.

TWO POLE 3600 RPM ALTERNATOR

RESISTANCE APPROX. 8 OHMS @ 75F
 10 TO 50 VDC AT 0.8 TO 5.8 AMPS
 Rotor Flashing: 2.5 volts @ 0.5 amps. until generator build-up.

PC Board located on rear of fan baffle on left side of machine.

S3 OPERATION

	1	2	3	4
OFF	X	X	X	X
AUTO	X	X	X	X
HIGH	X	X	X	X
START	X	X	X	X

X= CLOSED CIRCUIT

Fuel sender located on top of fuel tank on left side of machine.
 Digital Hour Meter On when Run/Stop switch is in "ON" position.
 Analog Fuel Gauge

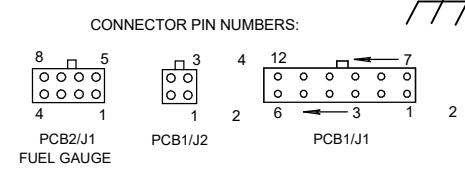
240-265 Ohms Empty
 20-35 Ohms Full

Located on case front
 Idle solenoid is located on top of generator stator assembly 15 Ohms
 12 to 14 volts across coil when energized

FOR MODELS WITH ELECTRIC FUEL PUMP ONLY
 NO CONNECTION

If engine oil pressure drops below safe operating pressure, the oil pressure switch opens removing 12 volts from circuit 224 shutting off fuel solenoid to stop engine. PCB1 will denenergize idle solenoid.

Resistance of fuel solenoid cannot be accurately measured through diodes.



PCB1 FIELD & IDLE CONTROL PC BOARD (L12198-1)