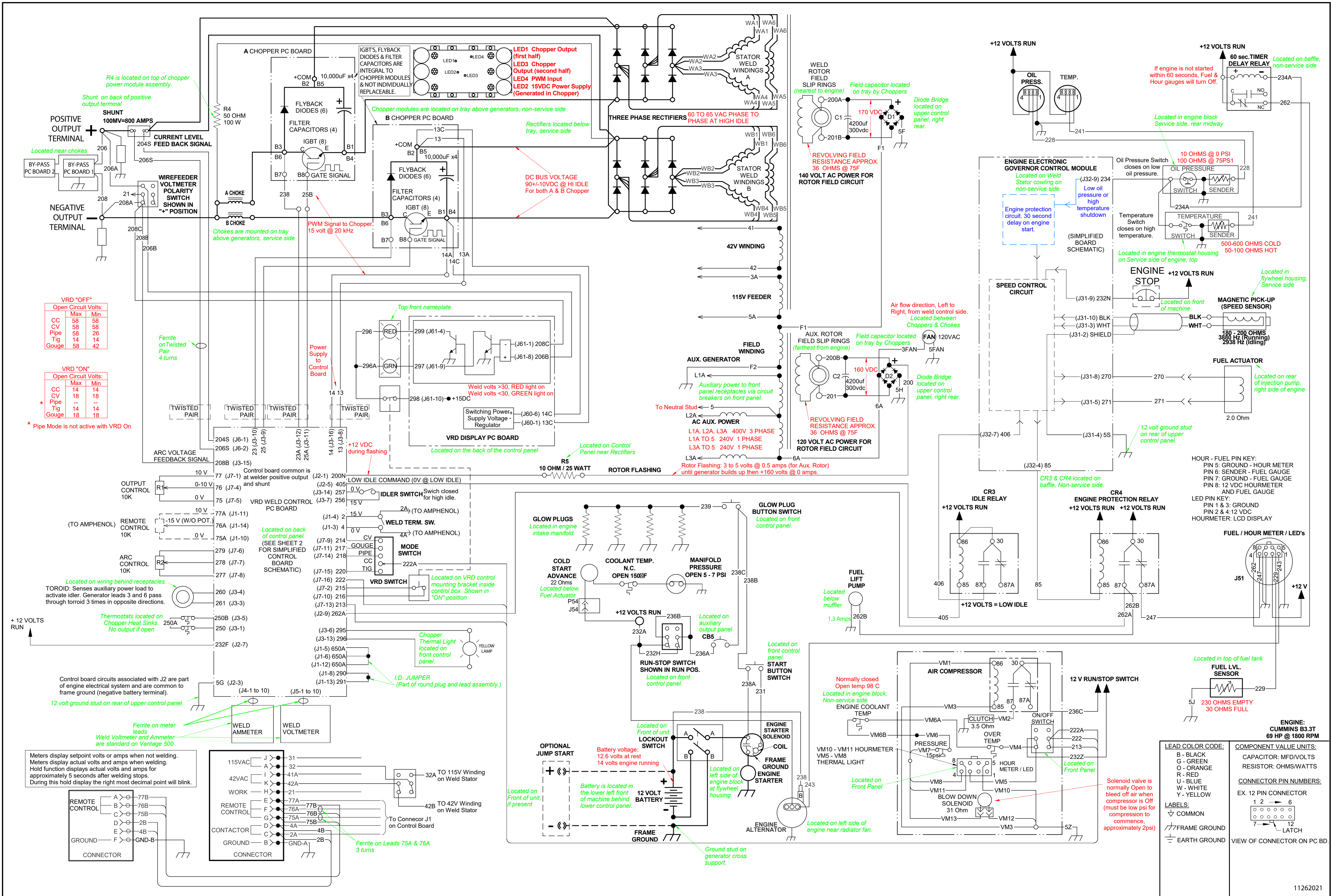
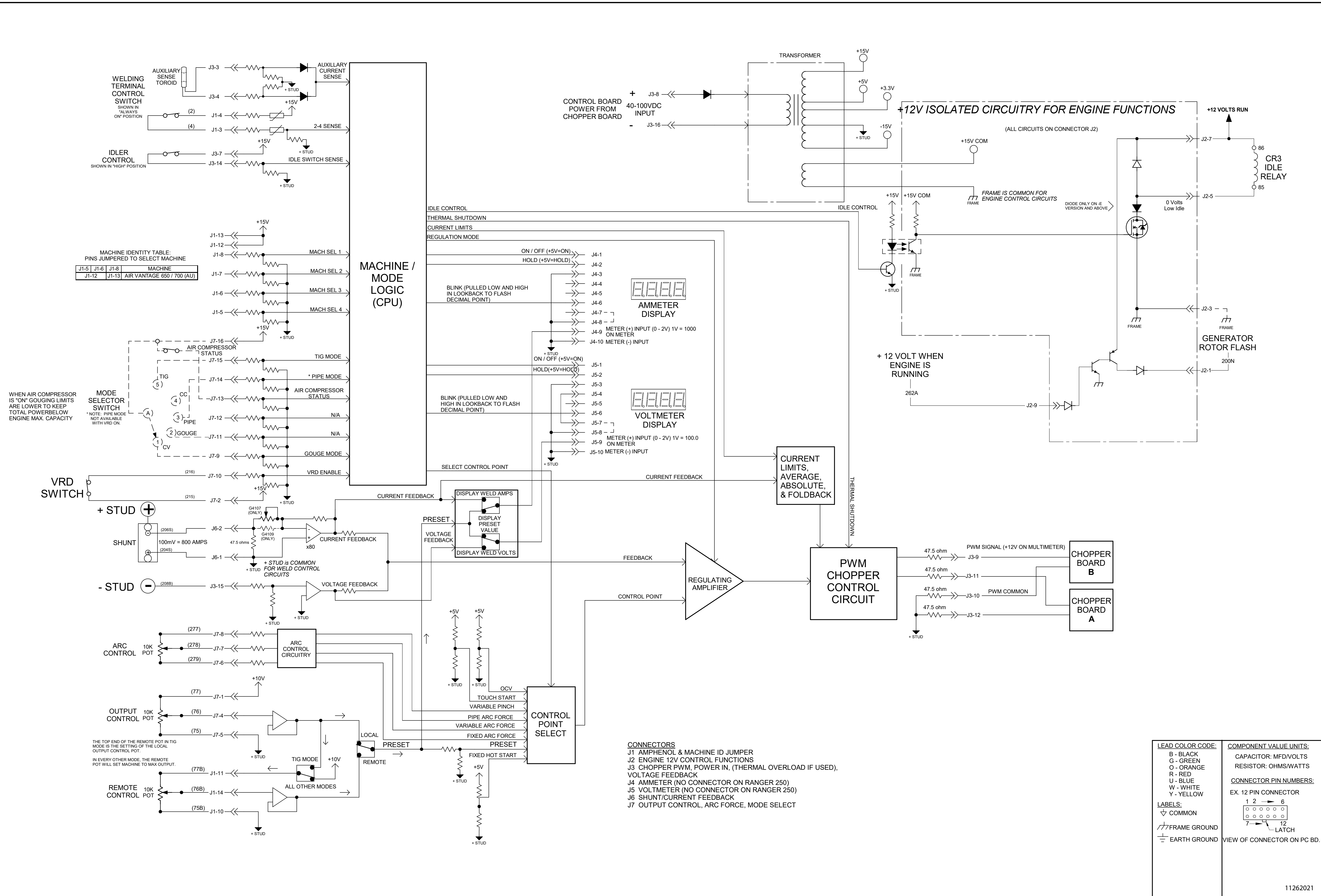


AIR VANTAGE 700 MACHINE SCHEMATIC G7377 REV:A





MACHINE IDENTITY TABLE:
PINS JUMPED TO SELECT MACHINE

J1-5	J1-6	J1-8	MACHINE
			AIR VANTAGE 650 / 700 (AU)

WHEN AIR COMPRESSOR IS "ON" GOUGING LIMITS ARE LOWER TO KEEP TOTAL POWER BELOW ENGINE MAX. CAPACITY

THE TOP END OF THE REMOTE POT IN TIG MODE IS THE SETTING OF THE LOCAL OUTPUT CONTROL POT.
IN EVERY OTHER MODE, THE REMOTE POT WILL SET MACHINE TO MAX OUTPUT.

- CONNECTORS**
- J1 AMPHENOL & MACHINE ID JUMPER
 - J2 ENGINE 12V CONTROL FUNCTIONS
 - J3 CHOPPER PWM, POWER IN, (THERMAL OVERLOAD IF USED), VOLTAGE FEEDBACK
 - J4 AMMETER (NO CONNECTOR ON RANGER 250)
 - J5 VOLTMETER (NO CONNECTOR ON RANGER 250)
 - J6 SHUNT/CURRENT FEEDBACK
 - J7 OUTPUT CONTROL, ARC FORCE, MODE SELECT

LEAD COLOR CODE:	COMPONENT VALUE UNITS:
B - BLACK	CAPACITOR: MFD/VOLTS
G - GREEN	RESISTOR: OHMS/WATTS
O - ORANGE	
R - RED	
U - BLUE	
W - WHITE	
Y - YELLOW	
LABELS:	CONNECTOR PIN NUMBERS:
∇ COMMON	EX. 12 PIN CONNECTOR
⏏ FRAME GROUND	1 2 → 6
⏏ EARTH GROUND	7 → 12
	LATCH
	VIEW OF CONNECTOR ON PC BD.