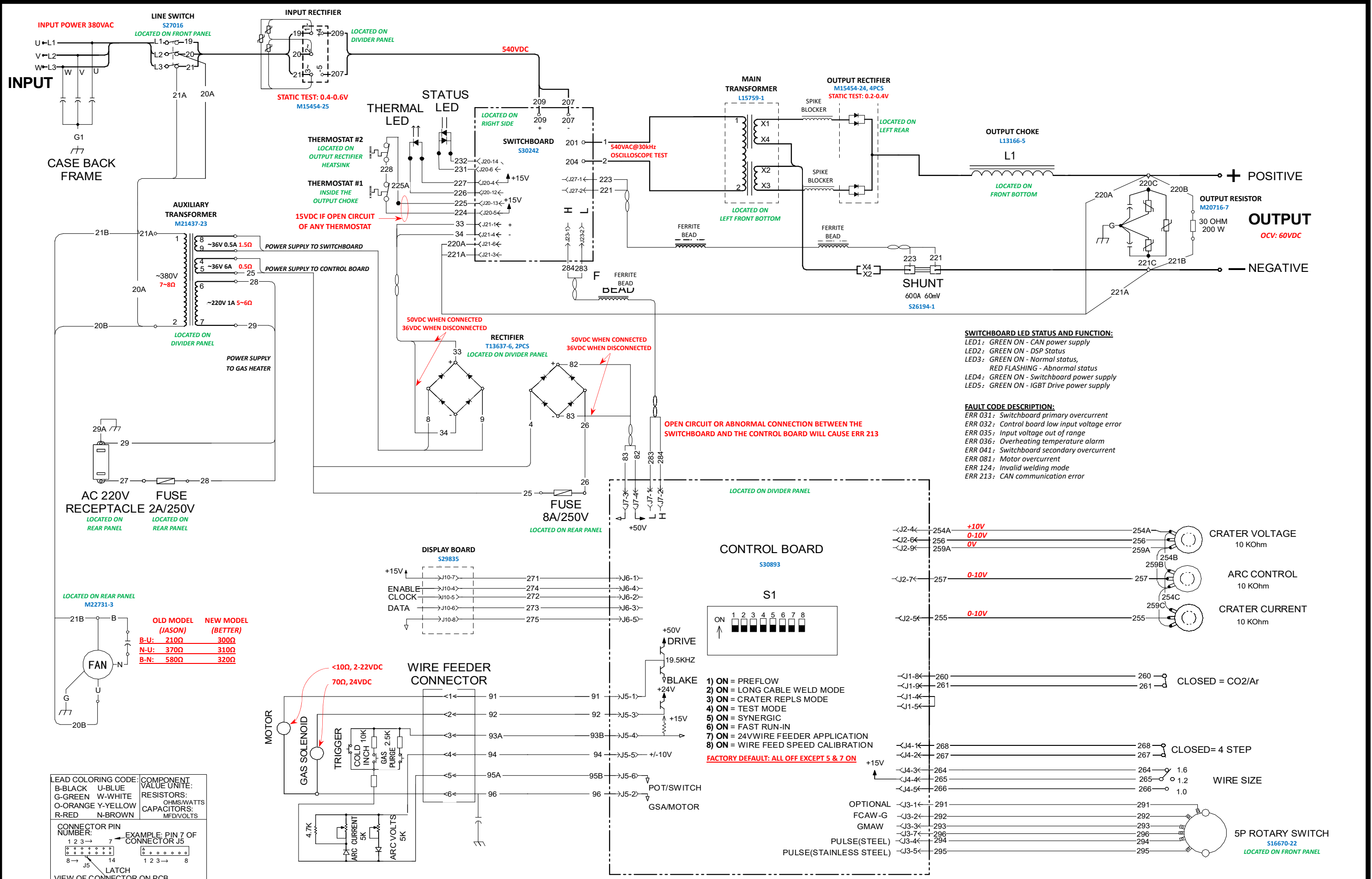


OPTIMARC CV500P WIRING SCHEMATIC

CODE: 76343

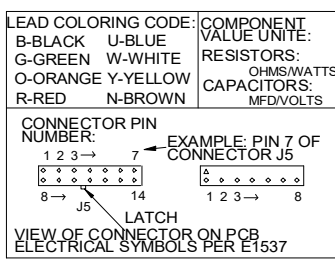


SWITCHBOARD LED STATUS AND FUNCTION:
 LED1: GREEN ON - CAN power supply
 LED2: GREEN ON - DSP Status
 LED3: GREEN ON - Normal status, RED FLASHING - Abnormal status
 LED4: GREEN ON - Switchboard power supply
 LED5: GREEN ON - IGBT Drive power supply

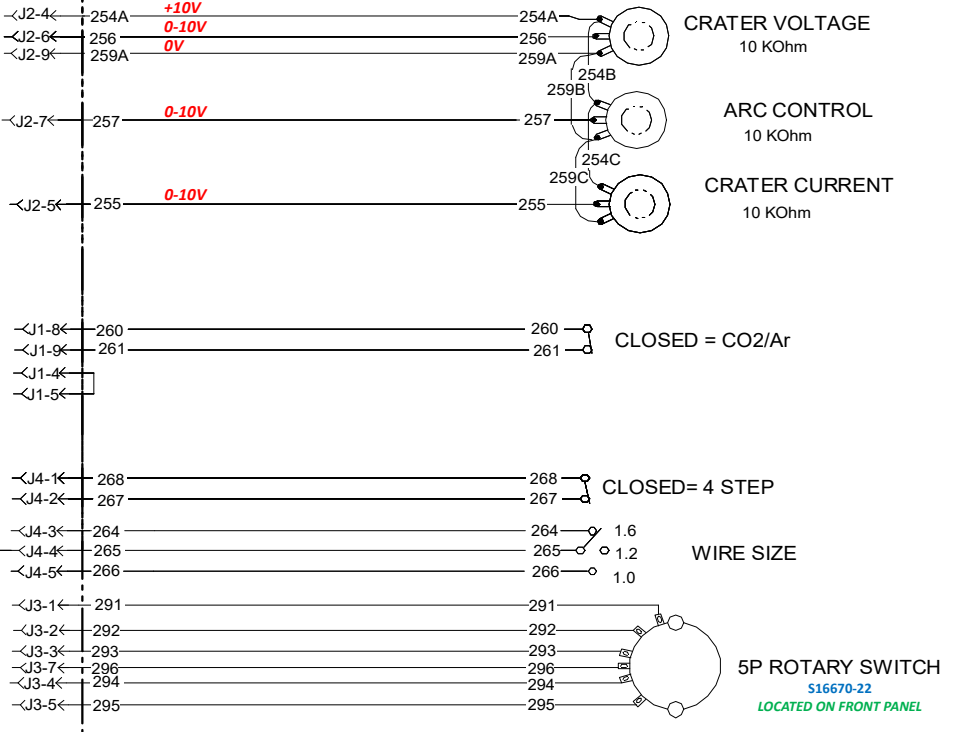
FAULT CODE DESCRIPTION:
 ERR 031: Switchboard primary overcurrent
 ERR 032: Control board low input voltage error
 ERR 035: Input voltage out of range
 ERR 036: Overheating temperature alarm
 ERR 041: Switchboard secondary overcurrent
 ERR 081: Motor overcurrent
 ERR 124: Invalid welding mode
 ERR 213: CAN communication error

OPEN CIRCUIT OR ABNORMAL CONNECTION BETWEEN THE SWITCHBOARD AND THE CONTROL BOARD WILL CAUSE ERR 213

	OLD MODEL (JASON)	NEW MODEL (BETTER)
B-U:	210Ω	300Ω
N-U:	370Ω	310Ω
B-N:	580Ω	320Ω



- DRIVE**
 1) ON = PREFLOW
 2) ON = LONG CABLE WELD MODE
 3) ON = CRATER REPLS MODE
 4) ON = TEST MODE
 5) ON = SYNERGIC
 6) ON = FAST RUN-IN
 7) ON = 24V WIRE FEEDER APPLICATION
 8) ON = WIRE FEED SPEED CALIBRATION
FACTORY DEFAULT: ALL OFF EXCEPT 5 & 7 ON



ALL COMPONENTS VIEWED FROM REAR.

