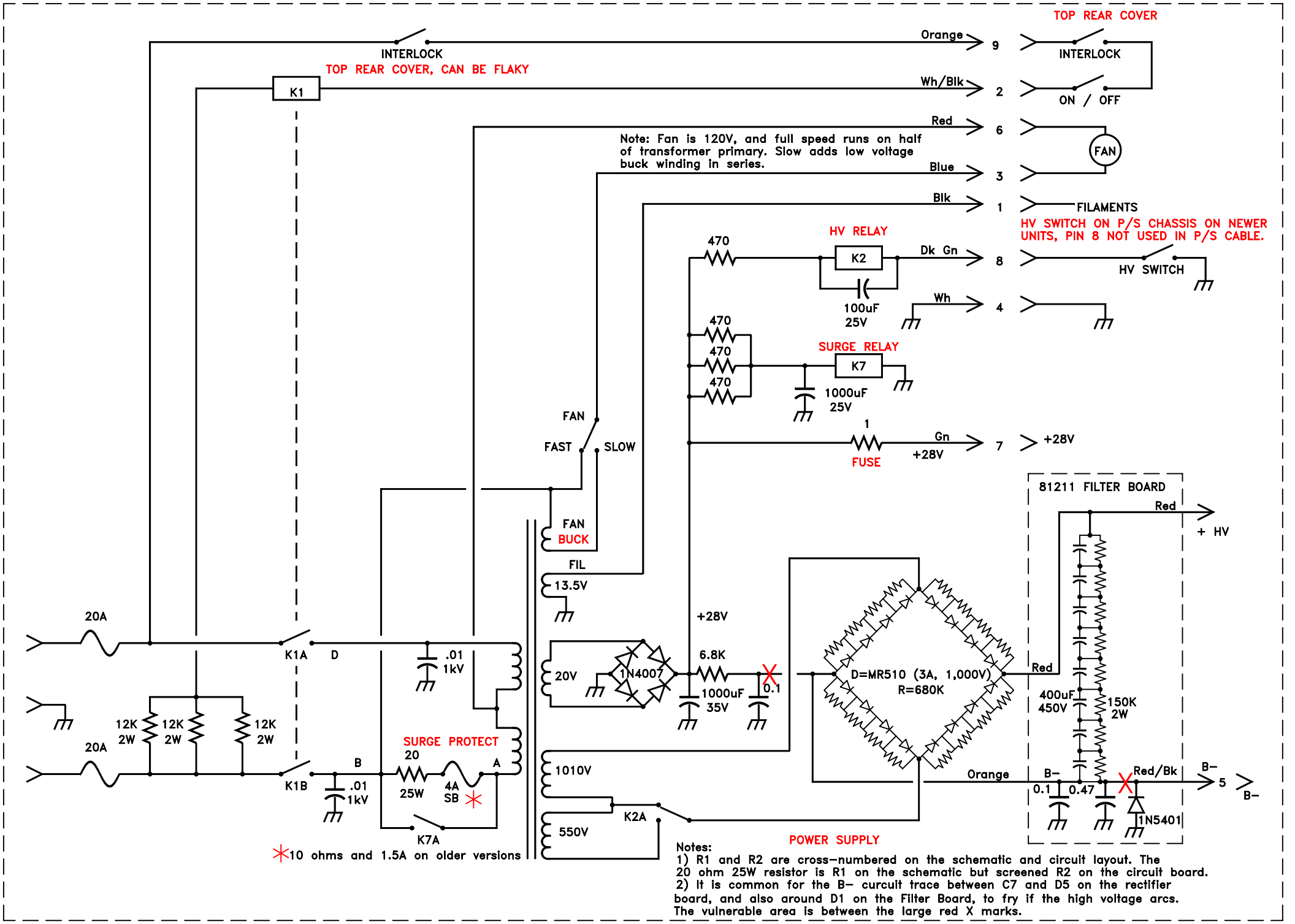
TOP REAR COVER
INTERLOCK
TOP REAR COVER, CAN BE FLAKY
K1
Orange
9
INTERLOCK
Wh/Blk
2
ON / OFF
Red
6
FAN
Note: Fan is 120V, and full speed runs on half of transformer primary. Slow adds low voltage buck winding in series.
Blue
3
Blk
1
FILAMENTS
HV SWITCH ON P/S CHASSIS ON NEWER UNITS, PIN 8 NOT USED IN P/S CABLE.
HV RELAY
470
K2
Dk Gn
8
HV SWITCH
100uF
25V
Wh
4
470
470
470
SURGE RELAY
K7
1000uF
25V
FAN
FAST
SLOW
1
Gn
+28V
7
+28V
FUSE
81211 FILTER BOARD
Red
+ HV
FAN
BUCK
FIL
13.5V
20A
K1A
D
.01
1kV
+28V
20V
1N4007
6.8K
1000uF
35V
0.1
D=MR510 (3A, 1,000V)
R=680K
Red
400uF
450V
150K
2W
12K
2W
12K
2W
12K
2W
20A
SURGE PROTECT
20
25W
4A
SB
B
A
K1B
.01
1kV
1010V
550V
K2A
K7A
Orange
B–
Red/Bk
B–
5
B–
0.1
0.47
1N5401
10 ohms and 1.5A on older versions
POWER SUPPLY
Notes:
1) R1 and R2 are cross–numbered on the schematic and circuit layout. The 20 ohm 25W resistor is R1 on the schematic but screened R2 on the circuit board.
2) It is common for the B– curcuit trace between C7 and D5 on the rectifier board, and also around D1 on the Filter Board, to fry if the high voltage arcs. The vulnerable area is between the large red X marks.