



FOR 115V MAINS INPUT-MAKE THE FOLLOWING CHANGES:-
 CHANGE FS1 TO 15A
 CHANGE FS2 TO 15A
 CHANGE FS3 TO 5A
 CHANGE FS4 TO 5A
 CHANGE FS5 TO 5A
 CHANGE FS6 TO 5A
 CHANGE FS7 TO 5A
 SHORT CIRCUIT R1
 SHORT CIRCUIT R3
 CHANGE S4 TO 4-5A
 CHANGE S5 TO 12A
 CHANGE S6 TO 7A
 CONNECT THE 115V WDGs. DF T1 & T2 IN PARALLEL.
 (S TO S & F TO F)

MODIFICATION TO V12 CIRCUIT WHEN FEEDING 3" FOCUS COIL
 CHANGE R91 TO 680K
 CHANGE R92 TO 100K
 CHANGE R98 TO 160K
 CHANGE R100 TO 39K
 CHANGE R102 TO 680
 DISCONNECT R96 FROM J2 R95, R103
 DISCONNECT R97 FROM J2 R94, R87
 REMOVE R99

S1		S2	
POS	ENGRAVING	POS	ENGRAVING
1	-150V (250V)	1	MOR. SHIFT (15V)
2	-150V LOAD (500mA)	2	VERT. SHIFT (50V)
3	+150V (250V)	3	-
4	+150V LOAD (500mA)	4	V1 (500mA)
5	+230V (500V)	5	V2 (500mA)
6	+230V LOAD (1-5A)	6	V3 (500mA)
7	+340V (500V)	7	V7 (500mA)
8	+340V LOAD (500mA)	8	FOCUS CURRENT (150mA)
9	-	9	-
10	-600V (3KV)	10	-
11	S2	11	-

POWER SUPPLY TYPE 223 - CIRCUIT DIAGRAM