



8\* FAST DIODES  
BYPASSED WITH CAPS

T1  
300VA  
APPROX

L1  
10H 60R  
GAPPED

L2  
10H 100R  
100mA

L3  
10H 100R  
100mA

+B1 L  
410V  
26 -100mA

+B1 R  
410V  
26 -100mA

RELAY K1 CLOSES  
AFTER K2  
NTC SOFTENS SURGE

+B2 L  
400V  
17mA

+B2 R  
400V  
17mA

LIVE  
MAINS  
NEUTRAL

T2  
30V  
15V  
15V  
FOR CONTROL

D3  
D4  
C4  
C6  
C8  
470u  
63V  
100u  
63V  
R3  
560R  
-C  
-56V  
50mA  
TO BIAS CCT  
AND CCS's

100VA  
TRANSFORMER  
KIT

R6  
R7  
100R  
D5  
D6  
SCHOTTKY  
K2  
HEATER COM  
6.3V  
HEATER L  
HEATER R

BIAS / CCS SUPPLY  
RUNS CONTINUOUSLY

HEATERS RUN ON REDUCED  
POWER IN STANDBY

QUICK-START POWER SUPPLY FOR  
"2 STAGE" PP 7591 INTEGRATED AMP  
FROM A CONCEPT BY ELI DUTTMAN  
DRAWN BY DHAEN DEC 2005 REV1.0