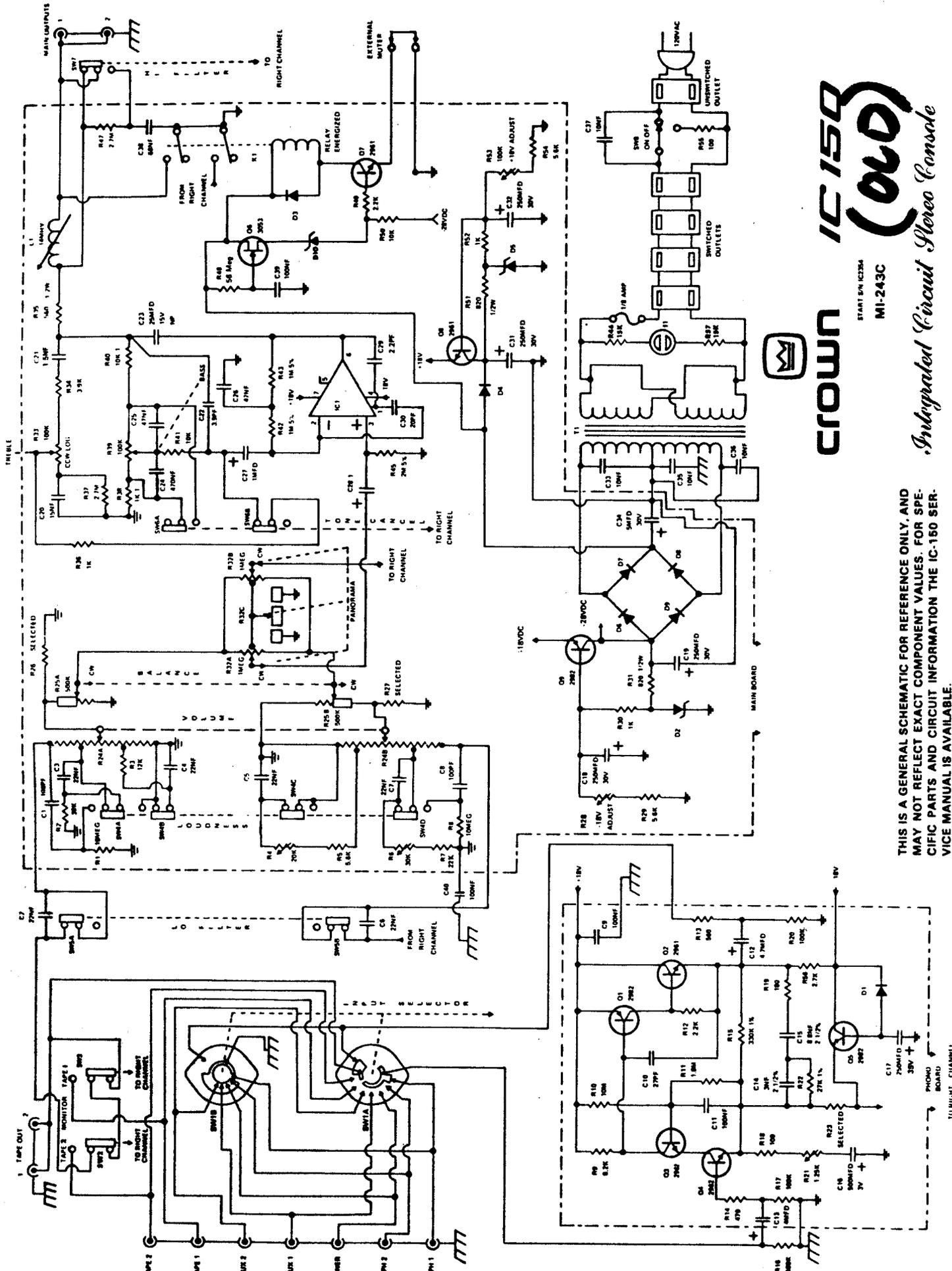


SPECIFICATIONS

FREQUENCY RESPONSE	Hi-level: $\pm 0.6\text{dB}$ 3Hz-100 KHz with hi-impedance load, $\pm 0.1\text{dB}$ 10Hz-20KHz with IHF load; Phono: $\pm 0.5\text{dB}$ of RIAA, calibrated
PHASE RESPONSE	Hi-level: typically $\pm 1^\circ$ to -12° 20Hz-20KHz with IHF load; Phono: typically $\pm 5^\circ$ 20Hz-20KHz additional phase shift
HUM AND NOISE	20Hz-20KHz inputs shorted; Hi-level: 90dB below rated output (typically 100dB with IHF "A" weighted measurement; Phono: 80dB below 10mV input) typically 0.5 μV input noise
DISTORTION THD	essentially unmeasurable; IM: less than 0.01% at rated output with IHF measurement (typically under 0.002%)
INPUTS	five hi-level inputs (1 tuner, 2 auxiliary, 2 tape) two equalized phonos
INPUT GAIN & IMPEDANCE	Hi-level: 20.8dB $\pm 0.2\text{dB}$, 100K ohms; Phono: 50-70dB (adjustable) 47K ohms. Sensitivity: 1mV @ 1KHz for rated output.
PHONO INPUT OVERLOAD	33-330mV at 1KHz, depending on gain (100mV when set to 60dB total preamp gain)
OUTPUT	10v maximum before overload, 2.5 rated, 600 ohms output impedance
PHONO OUTPUT & IMPEDANCE	(at tape out) 600 ohms with typical maximum output of 9v RMS at 1KHz into hi-impedance load
VOLUME CONTROL	over 60dB dynamic range with calibrated tracking
LOUDNESS COMPENSATION	new wide-range design for excellent simulation of Fletcher-Munson curves down to 60 phons; with exclusive dual R/C bass-boost coordinated with volume control
PANORAMA CONTROL	unique, continuously-variable control for infinite adjustment from stereo to mono to stereo-reverse, replaces confusing conventional stereo-mode switches and blend controls with the first intuitive control of stereo spatial dimension.
TONE CONTROLS	continuously variable $\pm 15\text{dB}$ at 30Hz and 15KHz, cancel switch bypasses independent bass and treble control settings to give instant true-flat response in both channels
MUTING	uses plug-in reed relay – removes turn-on transients from IC-150 output thus protecting speakers
FILTERS	Rumble: -3dB at 50Hz with 6dB-per-octave cut-off, Scratch; -3dB at 5KHz with 12dB-per-octave cut-off
AC OUTLETS	four switched with 25A switch, one unswitched
POWER REQUIREMENTS	about 2 watts at 120v or 240v 50-400Hz AC
SEMICONDUCTOR COMPLEMENT	two integrated circuits (equivalent to 42 bipolar transistors and 2 FET) for a total of 54 bipolar transistors, three FET, three zeners and seven diodes
DIMENSIONS	5 $\frac{1}{4}$ " H x 17" W; 8 $\frac{1}{8}$ " behind panel
WEIGHT	10 lbs., with walnut cabinet 16 lbs.

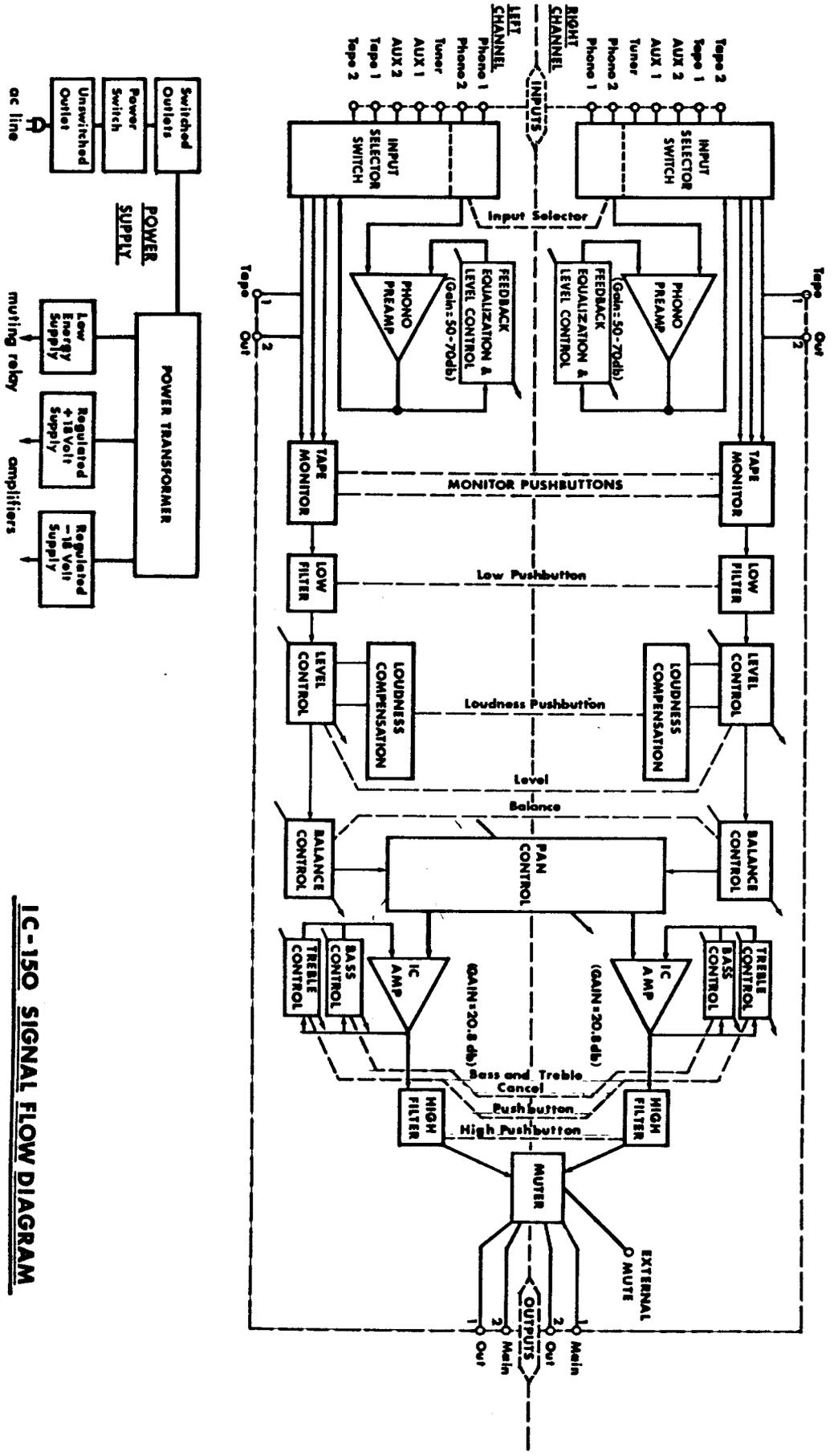


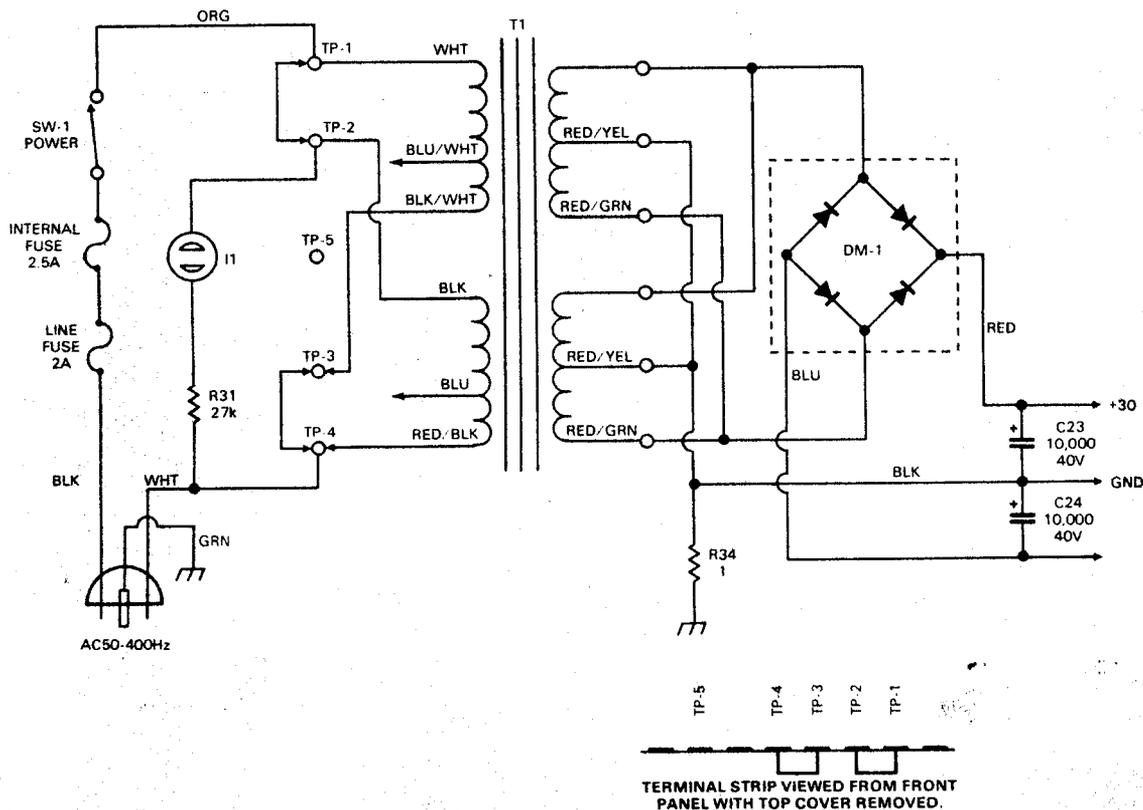
CROWN **IC150** **(OLD)**
 START IN IC234
 MI-243C
Integrated Circuit Stereo Console

THIS IS A GENERAL SCHEMATIC FOR REFERENCE ONLY, AND MAY NOT REFLECT EXACT COMPONENT VALUES. FOR SPECIFIC PARTS AND CIRCUIT INFORMATION THE IC-150 SERVICE MANUAL IS AVAILABLE.

TO RIGHT CHANNEL

IC-150 SIGNAL FLOW DIAGRAM





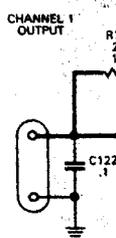
POWER SUPPLY SHOWN WIRED FOR 120VAC. FOR OPERATION AT ANOTHER LINE VOLTAGE, FOLLOW CONVERSION CHART BELOW. SELECT THE CORRECT VOLTAGE; CAREFULLY IDENTIFY ALL WIRES BEFORE PROCEEDING.

NOTE: ONLY FOUR TRANSFORMER PRIMARY WIRES ARE USED FOR ANY VOLTAGE CONFIGURATION. THESE WIRES ARE SOLDERED TO AN ADJACENT TERMINAL STRIP (TP-1, TP-2, TP-3, TP-4, AND TP-5 ABOVE). THE EXPOSED ENDS OF THE REMAINING TWO UNUSED WIRES ARE COVERED WITH SHRINK TUBING, AND DRESSED NEXT TO THE CHASSIS NEAR THE TERMINAL STRIP. FOR THE 100V CONNECTION, TWO JUMPERS ARE REQUIRED; FOR THE 200V CONNECTION, ONE JUMPER IS REQUIRED.

LINE VOLTAGE	JUMPERS	TP-1	TP-2	TP-3	TP-4	TP-5	UNUSED
100	TP-1 to TP-2 TP-3 to TP-4	WHT	BLK	BLU/WHT	BLU	—	BLK/WHT, RED/BLK
120	TP-1 to TP-2 TP-3 to TP-4	WHT	BLK	BLK/WHT	RED/BLK	—	BLU/WHT, BLU
200	TP-2 to TP-5	WHT	BLK	—	BLU	BLU/WHT	BLK/WHT, RED/BLK
220	TP-2 to TP-5	WHT	BLK	—	BLU	BLK/WHT	BLU/WHT, RED/BLK
240	TP-2 to TP-5	WHT	BLK	—	RED/BLK	BLK/WHT	BLU/WHT, BLU

NOTES:

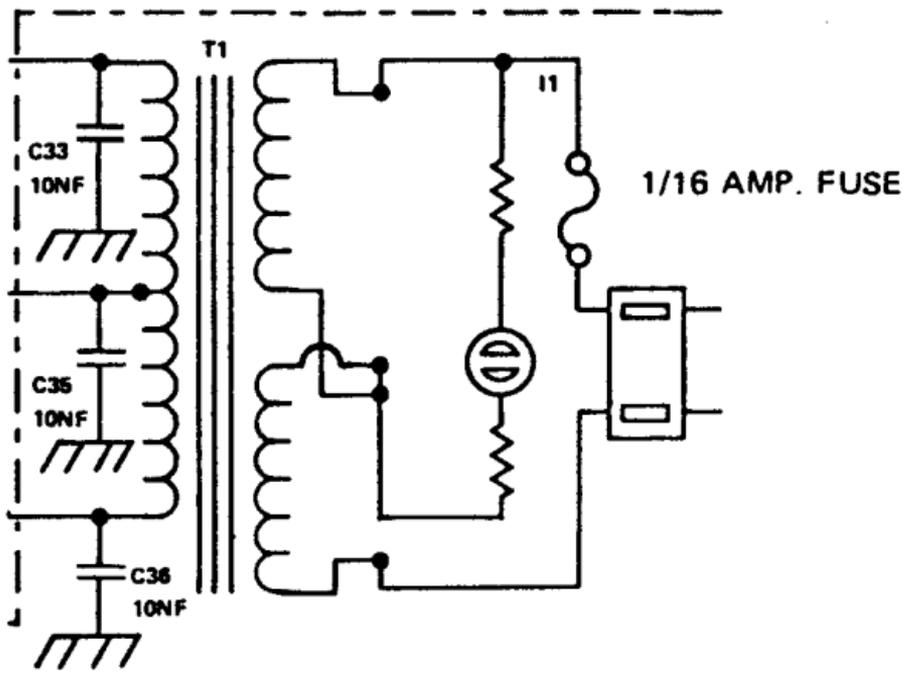
- CIRCUIT SHOWN STARTS SN 12751, AND APPLIES ONLY TO P.C. BOARD #7925.
- POWER SUPPLY SHOWN STARTS SN 14467.
- C6 WAS ADDED SN 13551.
- TRANSISTORS Q114-Q108 AND Q214-Q208 ARE THERMALLY CONNECTED.
- ALL RESISTORS IN OHMS. ALL CAPACITORS IN MICRO-FARADS UNLESS OTHERWISE STATED.
- R135, R235 ARE 3.3K WHEN IC IS μ A749. WHEN IC IS μ A739, R135, R235 ARE OMITTED UNLESS INSTABILITY OCCURS. THEN RESISTORS ARE 10K.



+30V

TO M

-30V



240 VAC WIRE