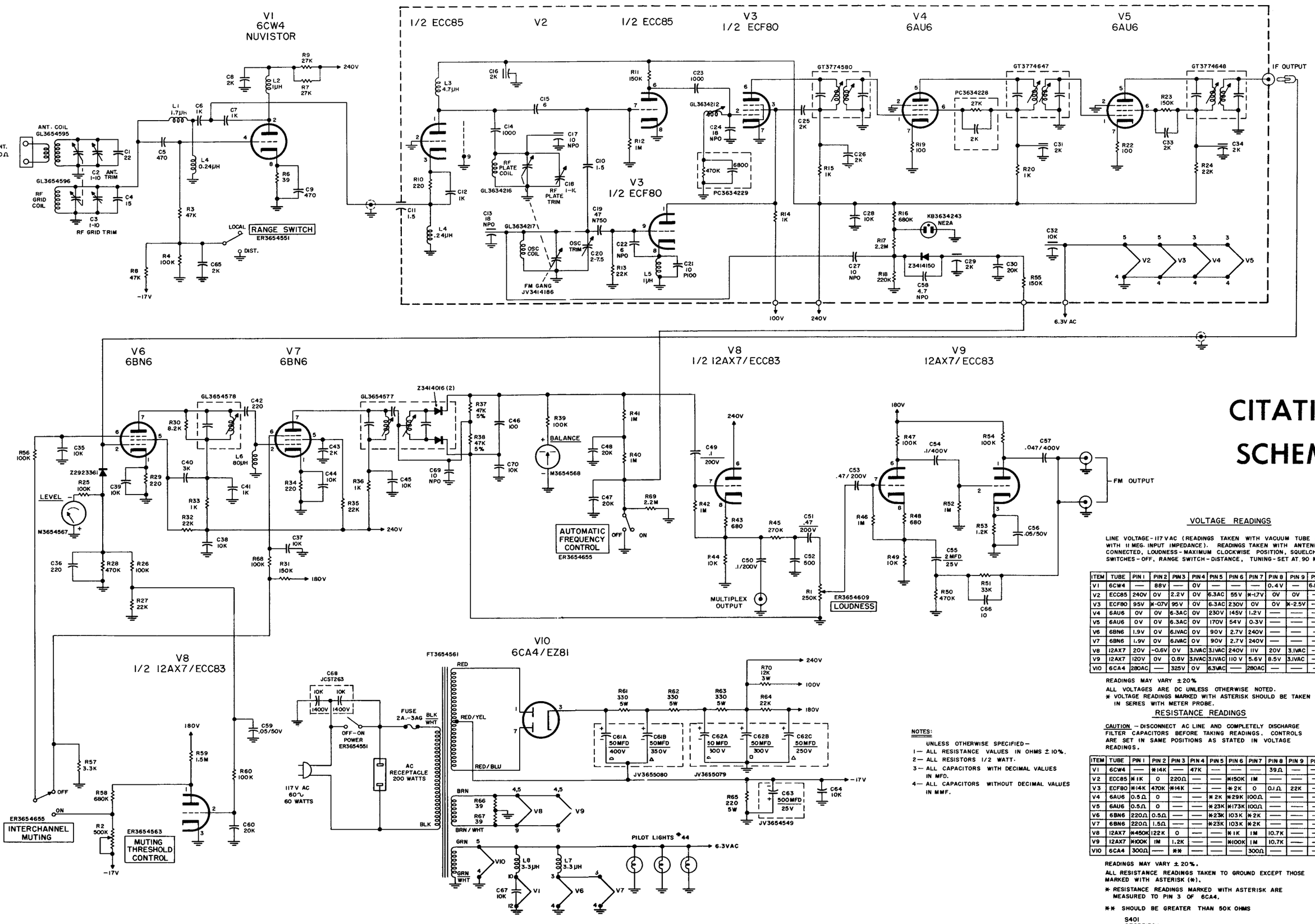
CITATION III SCHEMATIC



NOTES:

UNLESS OTHERWISE SPECIFIED—
1— ALL RESISTANCE VALUES IN OHMS ± 10%.
2— ALL RESISTORS 1/2 WATT.
3— ALL CAPACITORS WITH DECIMAL VALUES IN MFD.
4— ALL CAPACITORS WITHOUT DECIMAL VALUES IN MMF.

VOLTAGE READINGS

LINE VOLTAGE - 117 VAC (READINGS TAKEN WITH VACUUM TUBE VOLTMETER WITH 11 MEG. INPUT IMPEDANCE). READINGS TAKEN WITH ANTENNA DISCONNECTED, LOUDNESS - MAXIMUM CLOCKWISE POSITION, SQUELCH & AFC SWITCHES - OFF, RANGE SWITCH - DISTANCE, TUNING - SET AT 90 MC.

ITEM	TUBE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9	PIN 10	PIN 11	PIN 12
V1	6CW4	—	88V	—	0V	—	—	—	0.4V	—	6.1VAC	—	0V
V2	ECC85	240V	0V	2.2V	0V	6.3AC	55V	*1.7V	0V	0V	—	—	—
V3	ECF80	95V	*0.7V	95V	0V	6.3AC	230V	0V	0V	*2.5V	—	—	—
V4	6AU6	0V	0V	6.3AC	0V	230V	145V	1.2V	—	—	—	—	—
V5	6AU6	0V	0V	6.3AC	0V	170V	54V	0.3V	—	—	—	—	—
V6	6BN6	1.9V	0V	6.1VAC	0V	90V	2.7V	240V	—	—	—	—	—
V7	6BN6	1.9V	0V	6.1VAC	0V	90V	2.7V	240V	—	—	—	—	—
V8	12AX7	20V	-0.6V	0V	3.1VAC	3.1VAC	240V	11V	20V	3.1VAC	—	—	—
V9	12AX7	120V	0V	0.8V	3.1VAC	3.1VAC	110 V	5.6V	8.5V	3.1VAC	—	—	—
V10	6CA4	280AC	—	325V	0V	6.3VAC	—	280AC	—	—	—	—	—

READINGS MAY VARY ±20%
ALL VOLTAGES ARE DC UNLESS OTHERWISE NOTED.
* VOLTAGE READINGS MARKED WITH ASTERISK SHOULD BE TAKEN WITH 1MEG RESISTOR IN SERIES WITH METER PROBE.

RESISTANCE READINGS

CAUTION — DISCONNECT AC LINE AND COMPLETELY DISCHARGE FILTER CAPACITORS BEFORE TAKING READINGS. CONTROLS ARE SET IN SAME POSITIONS AS STATED IN VOLTAGE READINGS.

ITEM	TUBE	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9	PIN 10	PIN 11	PIN12
V1	6CW4	—	*14K	—	47K	—	—	—	39Ω	—	—	—	—
V2	ECC85	*1K	0	220Ω	—	—	*150K	1M	—	—	—	—	—
V3	ECF80	*14K	470K	*14K	—	—	*2K	0	0.1Ω	22K	—	—	—
V4	6AU6	0.5Ω	0	—	—	*2K	*29K	100Ω	—	—	—	—	—
V5	6AU6	0.5Ω	0	—	—	*23K	*173K	100Ω	—	—	—	—	—
V6	6BN6	220Ω	0.5Ω	—	—	*23K	103K	*2K	—	—	—	—	—
V7	6BN6	220Ω	1.5Ω	—	—	*23K	103K	*2K	—	—	—	—	—
V8	12AX7	*450K	122K	0	—	—	*1K	1M	10.7K	—	—	—	—
V9	12AX7	*100K	1M	1.2K	—	—	*100K	1M	10.7K	—	—	—	—
V10	6CA4	300Ω	—	**	—	—	—	300Ω	—	—	—	—	—

READINGS MAY VARY ± 20%.
ALL RESISTANCE READINGS TAKEN TO GROUND EXCEPT THOSE MARKED WITH ASTERISK (*).
* RESISTANCE READINGS MARKED WITH ASTERISK ARE MEASURED TO PIN 3 OF 6CA4.
** SHOULD BE GREATER THAN 50K OHMS

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