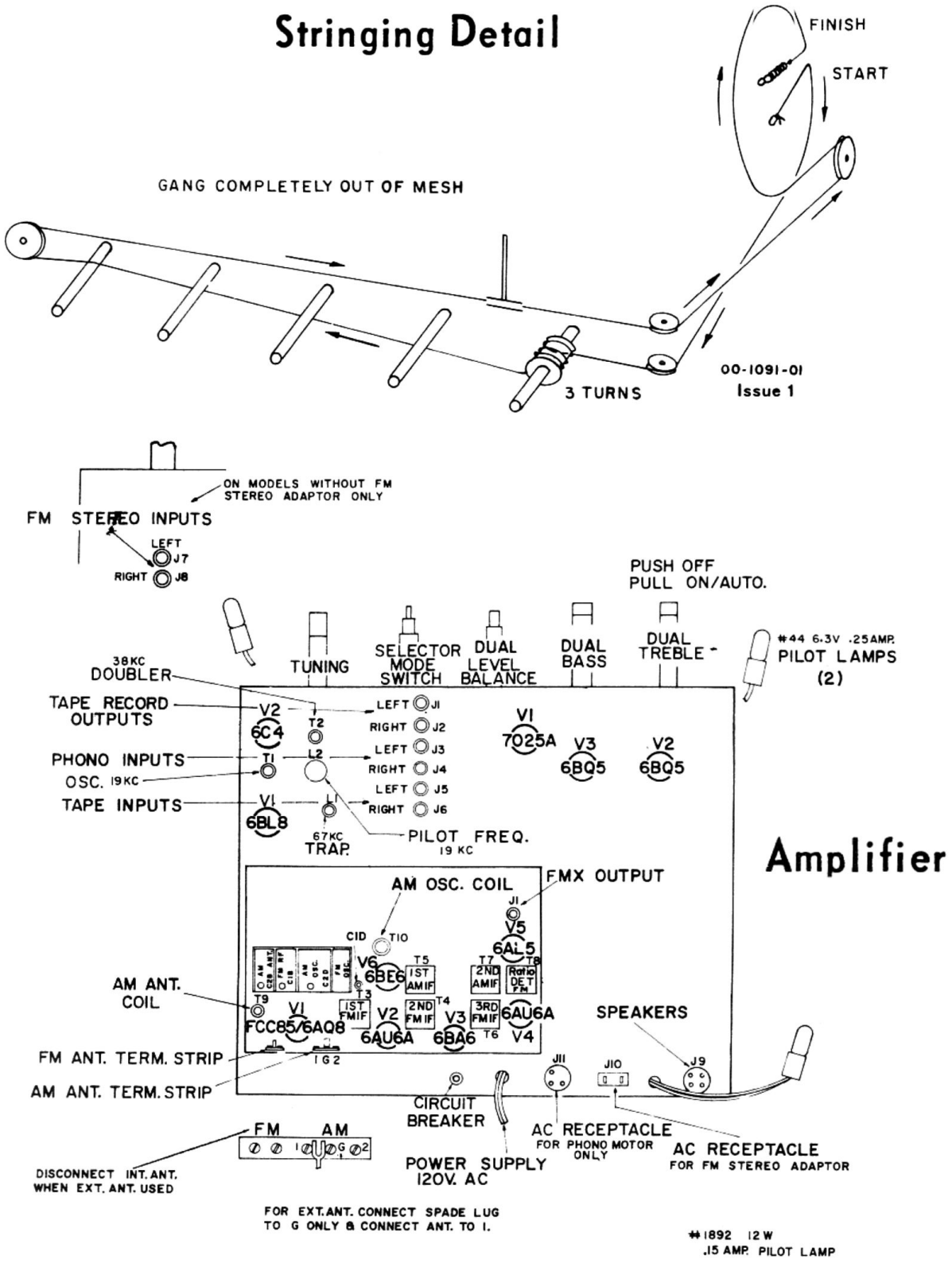
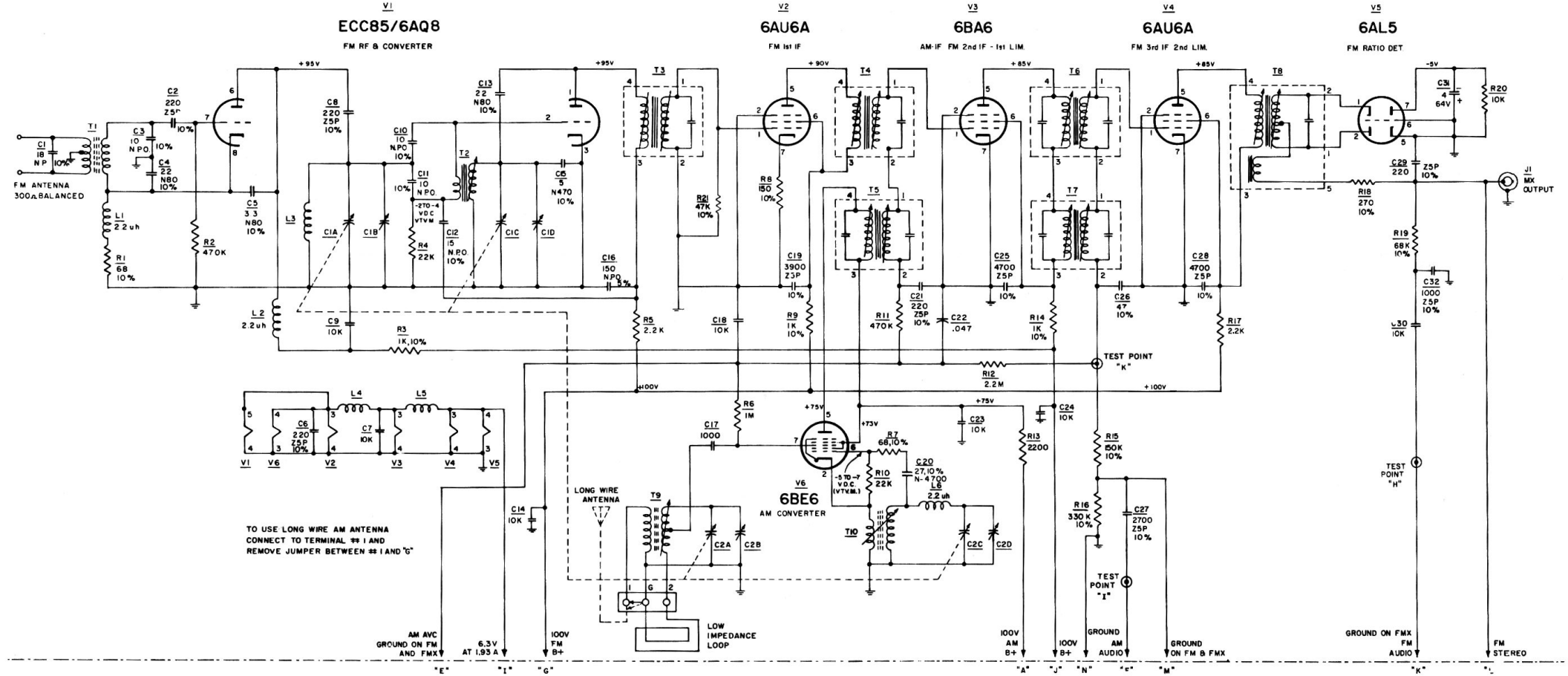
Dial Stringing & Chassis Layout

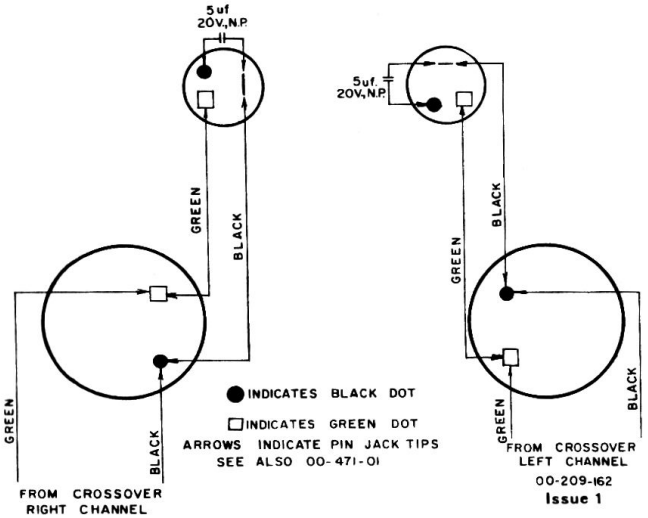
Cambrae/M, Camille MKII/M, Cascade MKI/M, Connecticut, MK1/M, Conway/M, Cortina/M, Lafayette/M, Palermo/M, Signet.



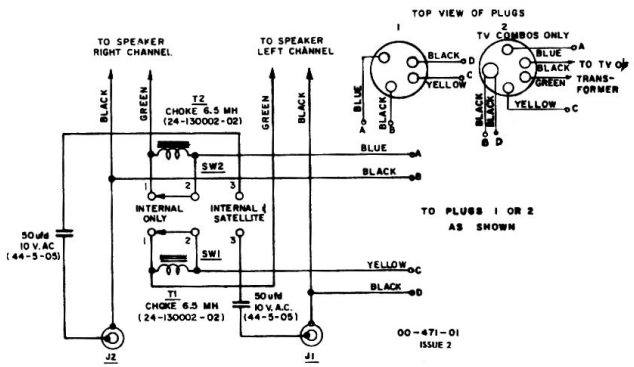
"M" Models - All Models with "M" following model are "FM Stereo" and come with the MP3 Multiplex Adapter installed.



SPEAKER CONNECTIONS



CROSSOVER NETWORK



AM-FM TUNER SCHEMATIC

Cambrae/M, Camille MKII/M, Cascade MKI/M, Connecticut, MK1/M Conway/M, Cortina/M, Lafayette/M, Palermo/M, Signet

NOTE - FOR ALIGNMENT INSTRUCTIONS SEE DEI DWG 00-1958-02

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LEGEND

RESISTORS

HALF WATT UNLESS OTHERWISE NOTED.
20% TOL. " " "
K = 1,000 OHMS
M = 1,000,000 OHMS

CAPACITORS

TUBULAR, CAPACITY IN ufd, AND D.C.W.V. CURVED LINE, OUTSIDE FOIL.

ELECTROLYTIC CAPACITY IN ufd., AND D.C.W.V.

CERAMIC, MICA OR OTHER TYPES WITH NO OBVIOUS OUTSIDE OR GROUNDED SIDE. CAPACITY IN uufd, TOL IF CRITICAL, AND D.C.W.V.

SPECIAL CAPACITORS SUCH AS TEMPERATURE COMPENSATING TYPES ARE IDENTIFIED BY A NOTE AT CAPACITOR LOCATION.
e.g. O.F = OIL FILLED
M = MICA
S.M. = SILVER MICA
N.P. = NON POLARIZED.
N.P.O. = NEG. POS. ZERO
N 4700 = TEMP COMPENSATION

AM/FM Tuner Alignment Procedure for models

Cambrae/M, Camile MKII/M, Cascade MKI/M, Connecticut, MK1/M, Conway/M, Cortina/M, Lafayette/M, Palermo/M, Signet.

STEP	DUMMY ANTENNA	SIGNAL APPLIED TO	FREQ.	MODU-LATION	BAND SWITCH SETTING	DIAL POINTER SETTING	INDI-CATING METER	ADJUST	REMARKS	NOMINAL SENSITIVITY
1	.05 uf	Pin #1 V3 6BA6	455 Kc/s	400 C.P.S. AM at 30%	AM	600 Kc/s	AC-VTVM To Point "I"	T7 2nd AM-IF	Adjust for maximum output	3000 uv. for 70 Mv. output
2	.05 uf	Pin #7 V6 6BE6	455 Kc/s	400 C.P.S. AM at 30%	AM	600 Kc/s	AC-VTVM To Point "I"	T5 1st AM-IF	Adjust for maximum output	100 uv. for 70 Mv. output
3	200 uuf	AM Ant. Term. Strip #1	600 Kc/s	400 C.P.S. AM at 30%	AM	600 Kc/s	AC-VTVM To Point "I"	T10 and T9 AM-Osc. & AM Ant.	Connect for long wire ant. Adjust for Max. output ***	35 uv. for 70 Mv. output
4	200 uuf	AM Ant. Term. Strip #1	1400 Kc/s	400 C.P.S. AM at 30%	AM	1400 Kc/s	AC-VTVM To Point "I"	C2D and C2B Trimmers	Connect for long wire ant. Adjust for Max. output ***	45 uv. for 70 Mv. output
5	Repeat steps 3 and 4, check band coverage at 535 Kc/s - 1650 Kc/s and for tracking at 950 Kc/s.									
6	—	Pin #1 V3 6BA6	10.7 Mc/s	Nil	FM	Point of no inter-ference	DC-VTVM To Point "K"	T6, 3rd. FM-IF	Adjust for maximum meter deflection	10000 uv. for 1V output
7	—	Pin #1 V3 6BA6	10.7 Mc/s	Nil	FM	Point of no inter-ference	DC-VTVM To MX Output	T8 FM Ratio Det. Primary (Bo.t)	Adjust for maximum meter deflection	1250 uv. for 1V output
8	—	Pin #1 V3 6BA6	10.7 Mc/s	Nil	FM	Point of no inter-ference	DC-VTVM To MX Output	T5 FM Discriminator Sec'dary (Top)	Adjust for zero voltage. NOTE **	—
9	—	Pin #1 V2 6AU6A	10.7 Mc/s	Nil	FM	Point of no inter-ference	DC-VTVM To Point "K"	T4 2nd FM-IF	Adjust for maximum meter deflection	160 uv. for 1V output
10	—	C1A FM Gang	10.7 Mc/s	Nil	FM	Point of no inter-ference	DC-VTVM To Point "K"	T3, 1st. FM-IF	Adjust for maximum meter deflection	—
11	NOTE *	FM Ant. Term. Strip	90 Mc/s	400 C.P.S. FM 22.5 Kc/s Dev.	FM	90 Mc/s	AC-VTVM To Point "H"	T2 Slug and L3 coil	Adjust for maximum output	3 uv. for 200 Mv. output
12	NOTE *	FM Ant. Term. Strip	106 Mc/s	400 C.P.S. FM 22.5 Kc/s Dev.	FM	106 Mc/s	AC-VTVM To Point "H"	C1D and C1B Trimmers	Adjust for maximum output	3 uv. for 200 Mv. output
13	Repeat steps 11 and 12 until output drops at least 20 db. when mod. is turned off.									3.0 uv.

NOTE: To achieve more accurate alignment of FM IF's and ratio detector it is preferable to use a proper sweep generator and oscilloscope.

* For FM dummy antenna connect one 150 ohm carbon resistor from grounded side of sig. gen. to antenna terminal and one 120 ohm carbon resistor from hot side of signal generator to antenna terminal.

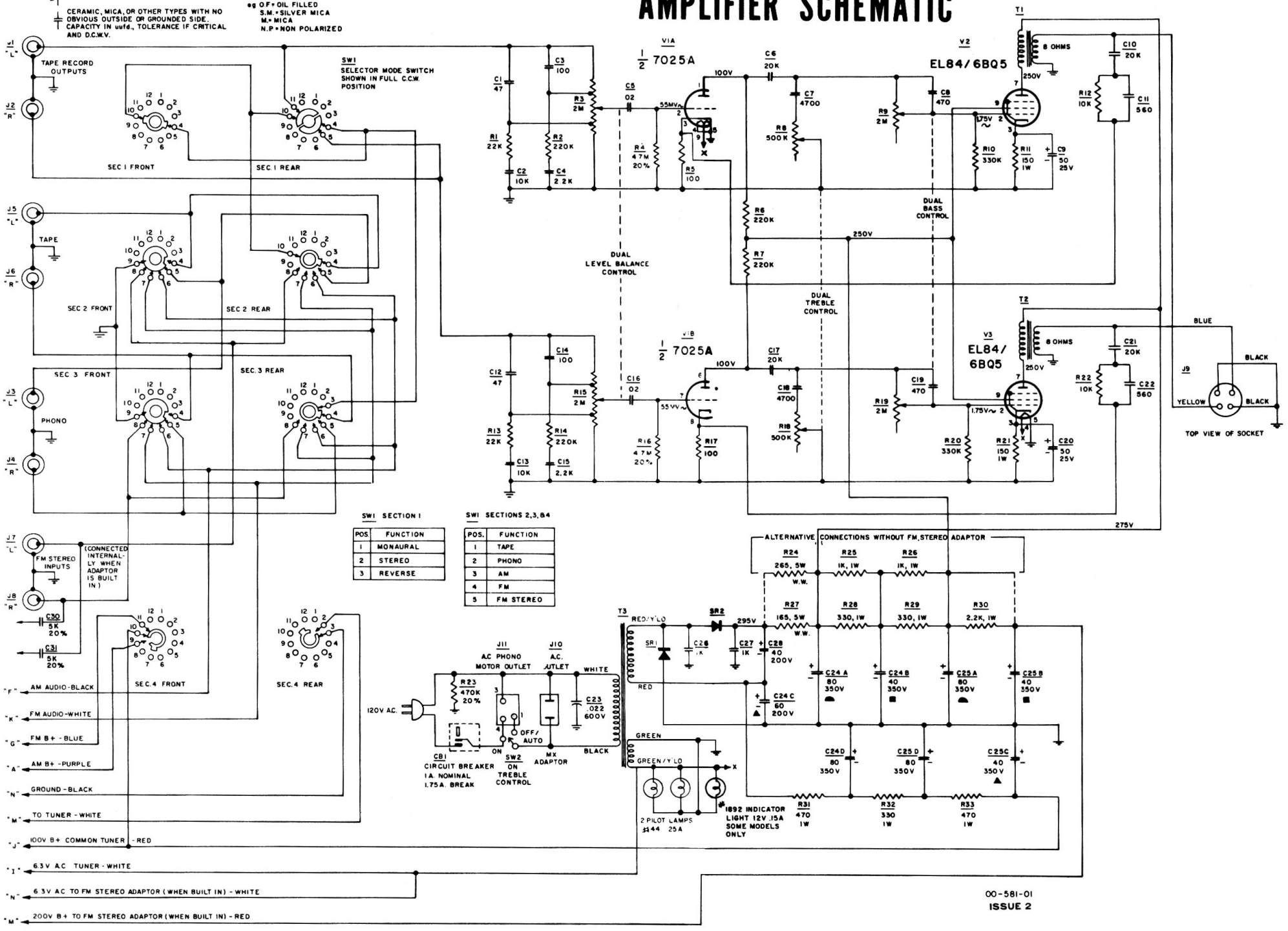
NOTE: Input to set is one half, output reading of signal generator.

** With ground lead of DC VTVM connected to two 100 K resistors. To be temporarily connected in series across C31 (4 ufd CAP)

*** For AM-RF alignment purpose. The low impedance loop, installed in the cabinet or its electrical equivalent must be connected to the set as shown in the schematic.

Cambrae/M, Camile MKII/M, Cascade MKI/M, Connecticut, MK1/M, Conway/M, Cortina/M, Lafayette/M, Palermo/M, Signet.

AMPLIFIER SCHEMATIC



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