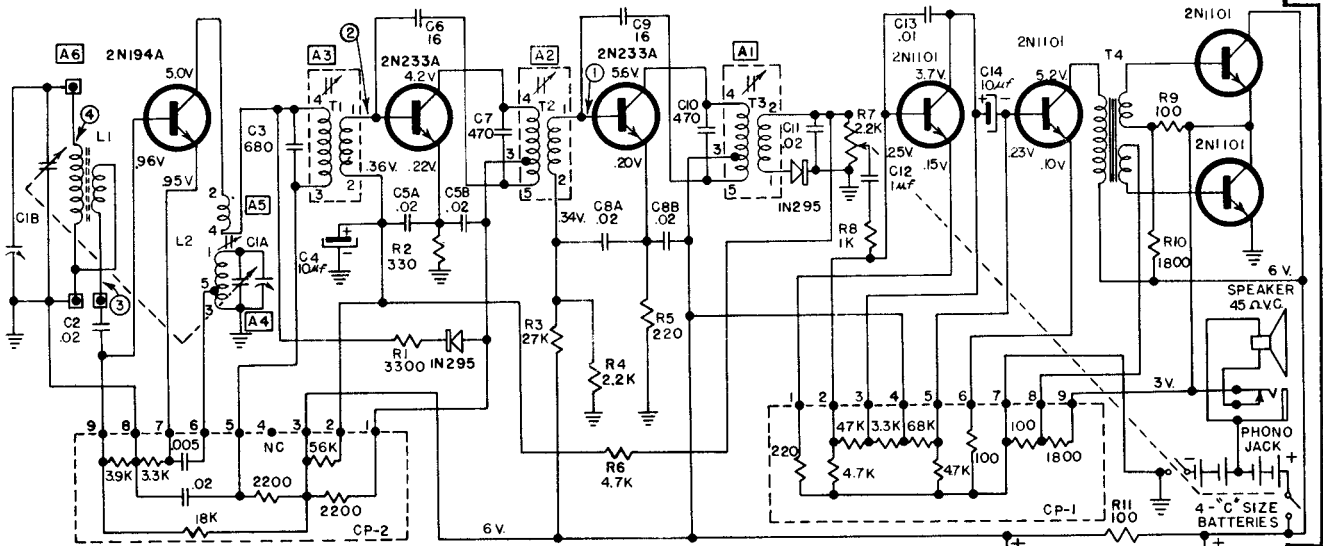


ARVIN Industries Model 9595, Chassis 1.47600

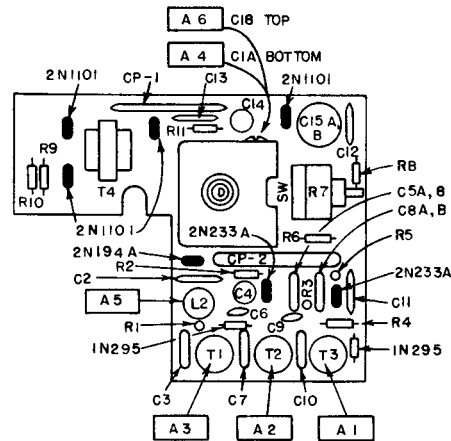


RESISTANCE VALUES ARE IN OHMS; K=1000.
CAPACITANCE VALUES LESS THAN 10 ARE IN MICROFARADS (μF),
& VALUES GREATER THAN 1.0 ARE IN MICRO-MICROFARADS ($\mu\mu F$)
EXCEPT WHERE NOTED.

VOLTAGE READINGS TO COMMON GROUND ARE MEASURED WITH
VACUUM TUBE VOLTMETER UNDER NO SIGNAL CONDITIONS
WITH TUNING CAPACITOR CLOSED & VOLUME CONTROL AT
MAXIMUM CLOCKWISE ROTATION.

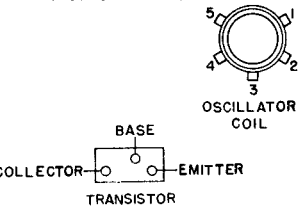
⊕ = COMMON GROUND SYMBOL.

⊠ = EXTERNAL CONNECTION TO PRINTED CIRCUIT.



SIGNAL TEST POINT	TEST FREQUENCY	SERIES CAPACITOR TO GENERATOR	INPUT FOR 5 MW OUTPUT (475 V. ACROSS 45 Ω)
1	455 KC	.05 μF	900 μV
2	455 KC	.05 μF	30 μV
3	455 KC	.05 μF	5 μV
4	1000 KC	STANDARD LOOP	200 $\mu V/m$

I.F. TRANSFORMER BASE (BOTTOM VIEWS)



ALIGNMENT PROCEDURE

- Output meter reading to indicate 5 milliwatts475V
- Output meter connection Across speaker voice coil
- Connection of generator ground lead Common Ground
- Generator Modulation 30% 400 Cycles
- Position of volume control Fully Clockwise

Position of Variable	Generator Frequency	Dummy Antenna	Generator Connections	Trimmers Adj. in order shown for Max. Output	Function of Trimmer
Open	455 Kc	.05 μf	C1B	A1 (Top of T3) A2 (Top of T2) A3 (Top of T1)	I. F. I. F. I. F.
Open	1670 Kc		*Test Loop	A4	Oscillator
1400 Kc	1400 Kc		*Test Loop	A6	Antenna
600 Kc	600 Kc		*Test Loop	Check Point	

*Standard Hazeltine Test Loop Model 1150 or 3 turns of wire about 6" in diameter placed about one foot from the set loop.

The alignment procedure should be repeated in the original order for greatest accuracy. Always keep the output from the signal generator at its lowest possible value to make the AVC action of the receiver ineffective.