

MOTOROLA, INC.

MODEL
42B1

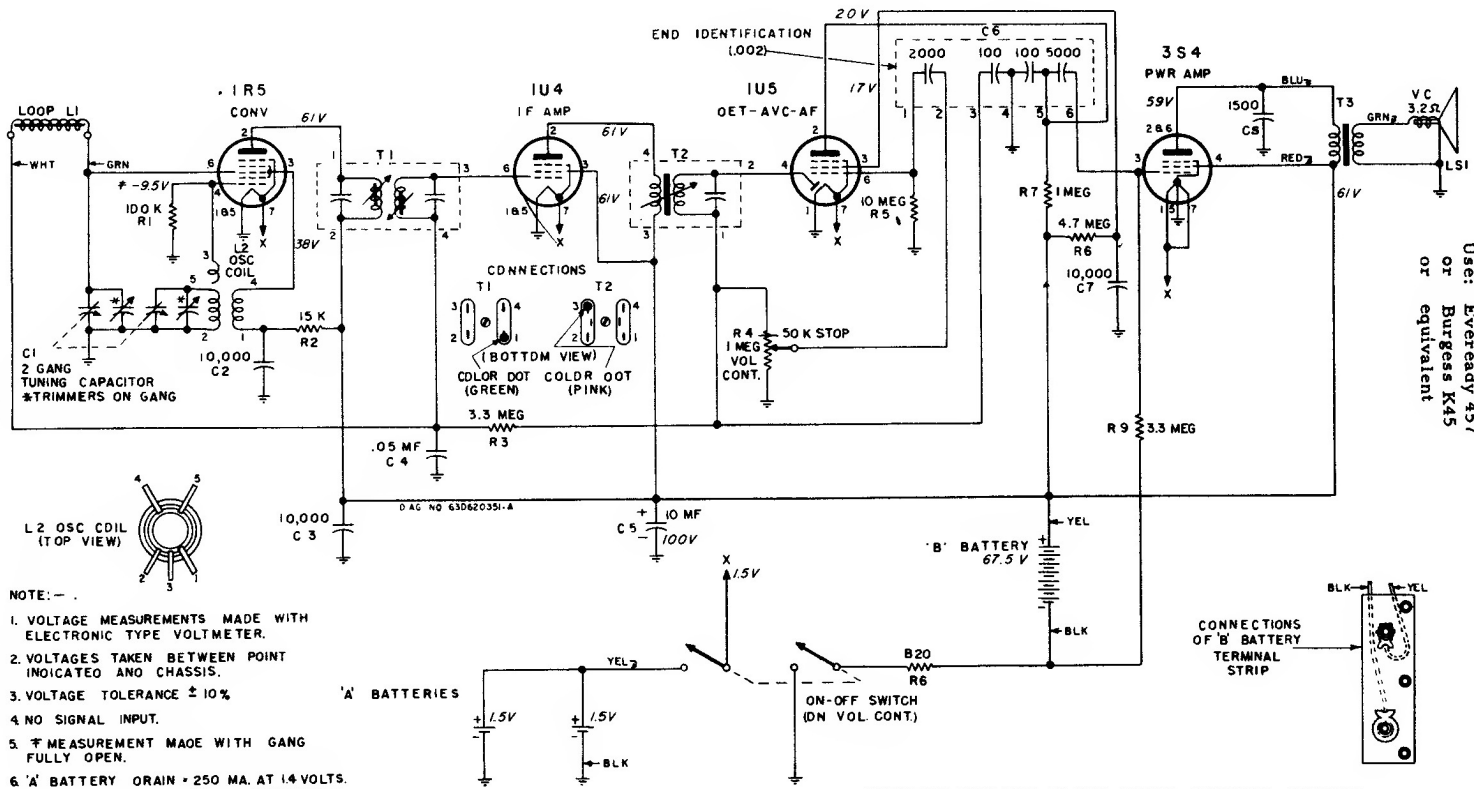
CHASSIS
HS-306

POWER SUPPLY - Operates from the following batteries:

Two 1-1/2V size "D" flashlight cells
Use: Eveready 950
or Burgess 2
or equivalent

One 67-1/2V "B" Battery

Use: Eveready 457
or Burgess K45
or equivalent



- NOTE: -
- VOLTAGE MEASUREMENTS MADE WITH ELECTRONIC TYPE VOLTMETER.
 - VOLTAGES TAKEN BETWEEN POINT INDICATED AND CHASSIS.
 - VOLTAGE TOLERANCE $\pm 10\%$
 - NO SIGNAL INPUT.
 - † MEASUREMENT MADE WITH GANG FULLY OPEN.
 - 'A' BATTERY ORAIN - 250 MA. AT 14 VOLTS.
'B' BATTERY ORAIN - 8.5 MA. AT 67.5 VOLTS.

ALIGNMENT CHART

STEP	DUMMY ANTENNA	GENERATOR CONNECTION	GENERATOR FREQUENCY	GANG SETTING	ADJUST	REMARKS
1.	.1 mf	Grid of conv. (pin 6, 1R5)	455 Kc	Fully open	1, 2 & 3 (IF cores)	Adjust for maximum
2.	.1 mf	Grid of conv. (pin 6, 1R5)	1620 Kc	Fully open	4 (Osc)	Adjust for maximum
3.	-	Radiation loop*	1400 Kc	Tune for max	5 (Ant)	Adjust for maximum

*Connect generator output across 5" diameter, 5-turn loop and couple inductively to receiver loop. Keep loops at 12" apart.

