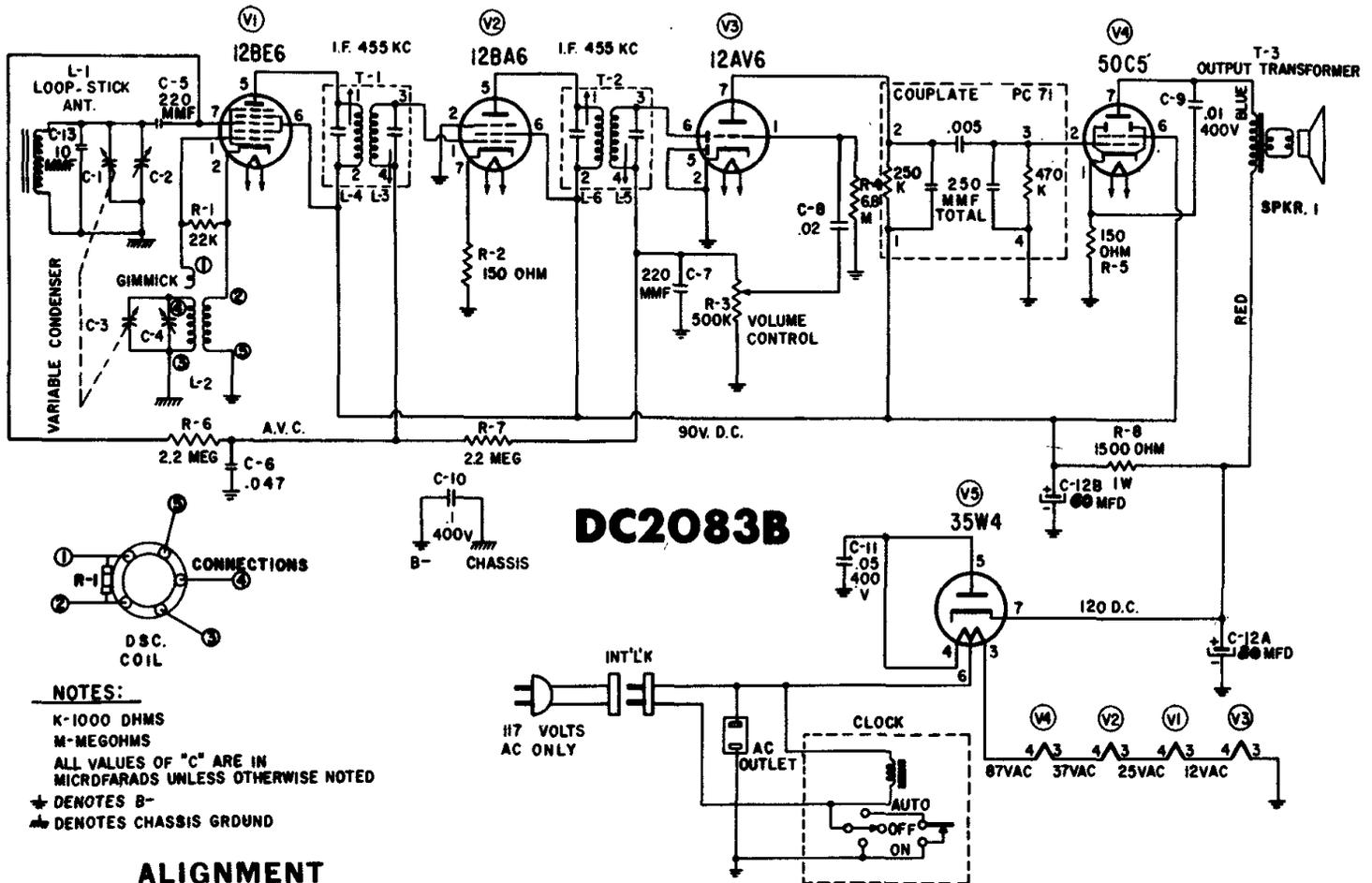


WESTERN AUTO Model DC2083B, Exact Service Material.

Model DC2173A is the same electrically, while additional Models DC2082B and DC2172A are very similar electrically but do not use clock-switching network.



DC2083B

NOTES:

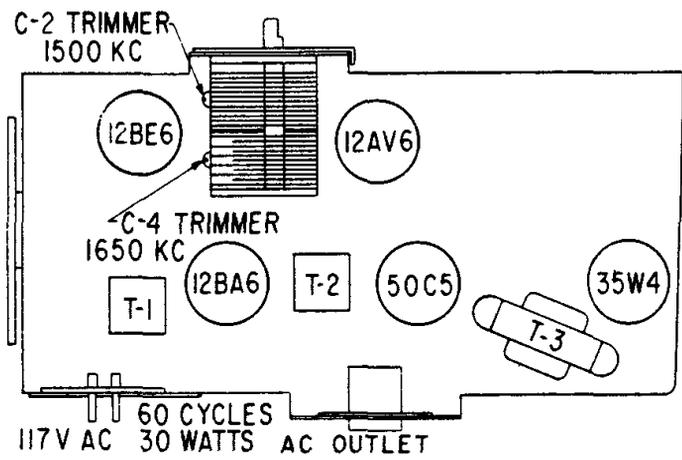
- K-1000 DHMS
- M-MEGOHMS
- ALL VALUES OF "C" ARE IN MICROFARADS UNLESS OTHERWISE NOTED
- ↕ DENOTES B-
- ↔ DENOTES CHASSIS GROUND

ALIGNMENT

Equipment required: Modulated RF signal generator; output meter; insulated screwdriver, two .1 mfd 600 volt condensers. To insure proper alignment, a radiated signal will be required during part of the alignment procedure. To radiate a signal, connect a loop of about 6 inches in diameter (two or three turns of #18 or #22 wire) across the output of the signal generator, and place this loop parallel to the loop of the receiver to be aligned, at a distance of about 10 or 12 inches. Connect the output meter and signal generator as follows:

Output meter: Connect across the speaker voice coil and turn the volume control to maximum (extreme clockwise position). Signal generator: When the generator is not used to radiate a signal, connect the low side to B--through a .1 mfd 600 volt condenser to the point at which signal injection is required, and keep the output as low as possible. Proceed in the sequence shown in the alignment chart.

The chassis is attached to the front panel and must be removed from the cabinet before alignment can be performed. To remove the front panel from the cabinet remove the two screws on back of cabinet.



ALIGNMENT PROCEDURE CHART

Step	Connect High Side of Signal Generator To--	Set Signal Generator To--	Turn Receiver Dial To--	Adjust The Following for Maximum Output (Keep Signal From Signal Generator As Low As Possible)
1	Antenna Section Tuning Condenser in Series with .1MFD. Cond.	455 KC.	Full Counter Clockwise (Condenser Plates Fully Open)	Top and Bottom T2 and T1 (I.F. Transformers)
2		1650 KC.		C4 (Oscillator Trimmer)
3	Use Radiated Signal	1500 KC.	Maximum Signal Approx. 1500 KC.	C2 Antenna Trimmer)
4				Repeat Steps 2 and 3