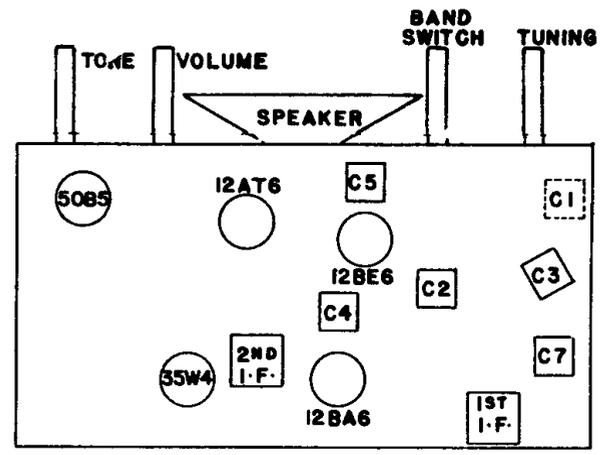


TO 105-125V  
40-60 ~ A.C. OR D.C.  
UNLESS OTHERWISE SPECIFIED

BROADCAST RANGE - 525-1660 K.C.  
SHORT WAVE RANGE - 2.5-8 MC  
7.5-24.2 MC  
**MODEL E-520**

B. C. BAND.....	1680-525 K.C.	.....	178-570 METERS
S. W. 2 BAND.....	8.0-2.5 M.C.	.....	37.5-120 "
S. W. 1 BAND.....	24.2-7.5 M.C.	.....	12.4-40 "



**BOTTOM VIEW**

**DEWALD RADIO INSTRUCTION SHEET**  
**MODEL E-520**

## Alignment Instructions for DeWald Radio Model E-520

To calibrate Model E-520 receiver, connect the output of a signal generator in series with a 200 mmfd. fixed condenser to the flexible antenna lead attached to the loop. Connect the low side of the generator through a 0.1 mfd. condenser to the receiver chassis. The wave band switch should be in the broadcast position. Adjust the generator to 455 KC. and adjust both I.F. transformers (both top and bottom) for maximum signal output. Open the variable condenser for minimum capacity. Turn the wave band switch to short wave #1 position. Set generator at 24.2 MC. Peak the short wave #1 oscillator trimmer screw (C5) for maximum signal. Next set the generator at 23 MC. and tune in this signal on receiver. Adjust short wave #1 R.F. trimmer screw (C2) for maximum signal. The low frequency end of the dial is automatically adjusted by a fixed padder condenser. Next turn band switch to short wave #2 position. Rotate drive shaft until variable condenser of the receiver is open all the way. Adjust generator to 8 MC. Adjust the short wave #2 oscillator trimmer screw (C4) until maximum signal is secured. Next set generator at 7 MC. Tune in this signal on receiver, and adjust short wave #2 R.F. trimmer screw (C1) for maximum signal strength. The low frequency end of the dial is automatically adjusted by a fixed padder condenser. Next turn band switch to broadcast position. Adjust generator to produce 1500 KC. and tune in this signal on receiver. Adjust the broadcast oscillator trimmer screw (C3) for maximum signal. To adjust the low end of the dial, set the generator and receiver at 600 KC. Peak the broadcast padder (C7) for maximum output. The variable condenser should be rocked slightly during this operation. Keep the signal generator output as low as possible when making all these adjustments.