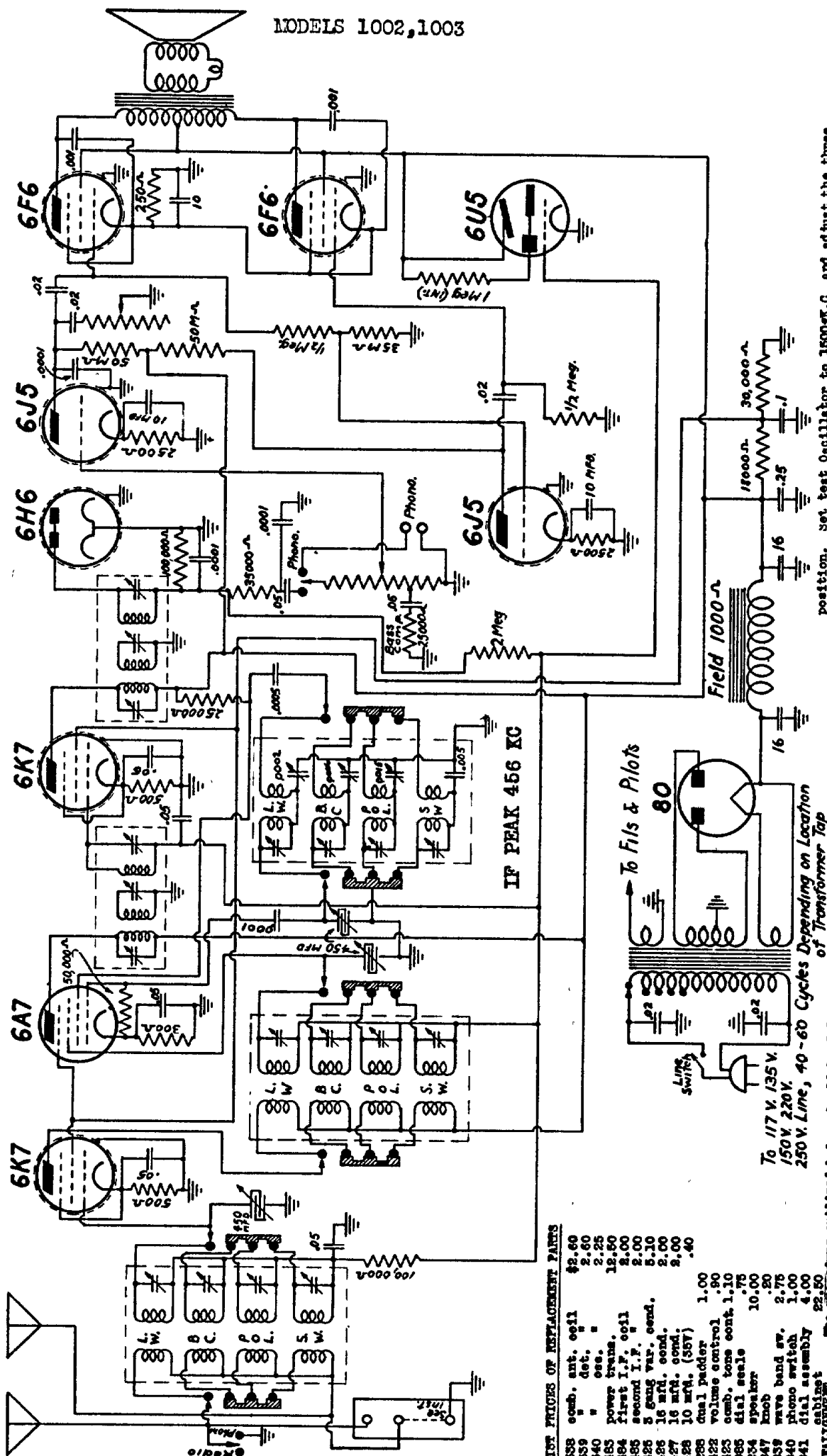


DEWALD RADIO

MODELS 1002, 1003



position. Set test Oscillator to 1800 K.C. and adjust the three broadcast Compensators for maximum gain. Next, set dial at 500 K.C. and adjust broadcast paddler for maximum signal, rocking Variable Condenser at the same time. Now repeat reapeking operation at 1500 K. C. Turn Wave Band Switch to Intermediate ALIGNMENT
S. W. position and set Variable Condenser to 5000 K. C. Adjust test oscillator to this frequency and adjust 3 intermediate s. w. trimmers for maximum gain. Next set dial at 1900 K. C. and adjust intermediate s. w. paddler for maximum signal. Now repeat reapeking operation at 5000 K. C.
SHORT WAVE ALIGNMENT
Turn Wave Band Switch to S. W. position and set Variable Condenser to 16 megacycles. Adjust test oscillator to this frequency and adjust three S. W. trimmers for maximum signal.
LONG WAVE ALIGNMENT
Turn Wave Band Switch to L. W. position and align trimmers on long wave coils to 400 K. C. Adjust L. W. Padder at 160 K. C.

MODEL 1002

Range—
520 — 1800 KC.
1650 — 5750 K.C.
5.5 — 20 MC.

MODEL 1003

Range as above but Long Wave Band is added
150 — 450 KC.

LIST PRICES OF REPLACEMENT PARTS

1338	comb. ant. coil	\$2.60
1339	det. "	2.60
1340	" osc. "	2.25
1485	power trans.	18.50
1484	first I.F. coil	8.00
1485	second I.F. "	2.00
2426	5 gang var. cond.	5.10
2426	16 mfd. cond.	2.00
2427	16 mfd. cond.	2.00
2428	10 mfd. (35V)	2.00
2528	dual paddler	.40
3423	volume control	1.00
3423	comb. tone cont.	.90
6085	dial scale	1.10
7234	speaker	.75
8247	knob	10.00
8839	wave band sw.	.80
8840	phono switch	2.75
8841	dial assembly	1.00
	cabinet	4.00
	alignment	22.50

The procedures outlined below should be followed if the receiver requires readjusting. See Fig. 2 for location of trimmers and padders.

I. P. ALIGNMENT
To align the Intermediate Frequency stages, first place the Wave Band Switch in broadcast position and short circuit the Oscillator Section of the Variable Condenser. Set the test Oscillator to 456 K.C. and connect its output through a .00025MFD fixed Condenser to the grid cap of the 6A7 Tube and chassis ground. Adjust the six I.F. compensators (three on each I.F. transformer) for Max Signal. (Volume Control must be in maximum position during all adjustments. Use the least possible input to the receiver to prevent broadening of the resonance peaks.)

BROADCAST ALIGNMENT
After the Intermediate Frequency stages have been completely aligned, connect external test oscillator to the Antenna and Ground binding posts of the set. Pl. 3-A. Set the band switch to broadcast