

**MIDWEST
CHASSIS 16-35**
Revised April 2, 2022
M. Sampson

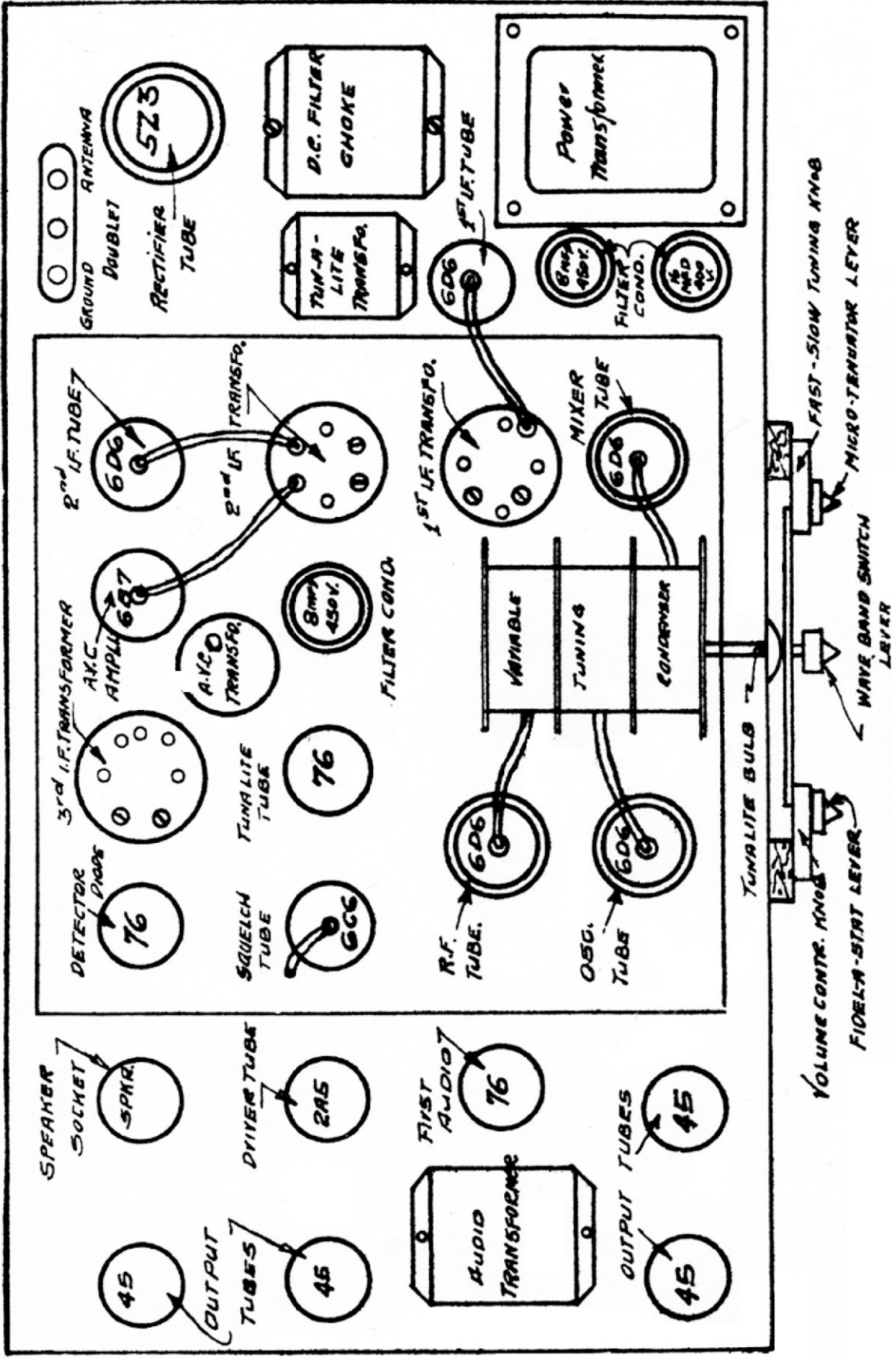
R.F. & OSCILLATOR TRIMMERS
ARE 35 MMFD

Capacitors in Micro Farads
Resistor in Ohms

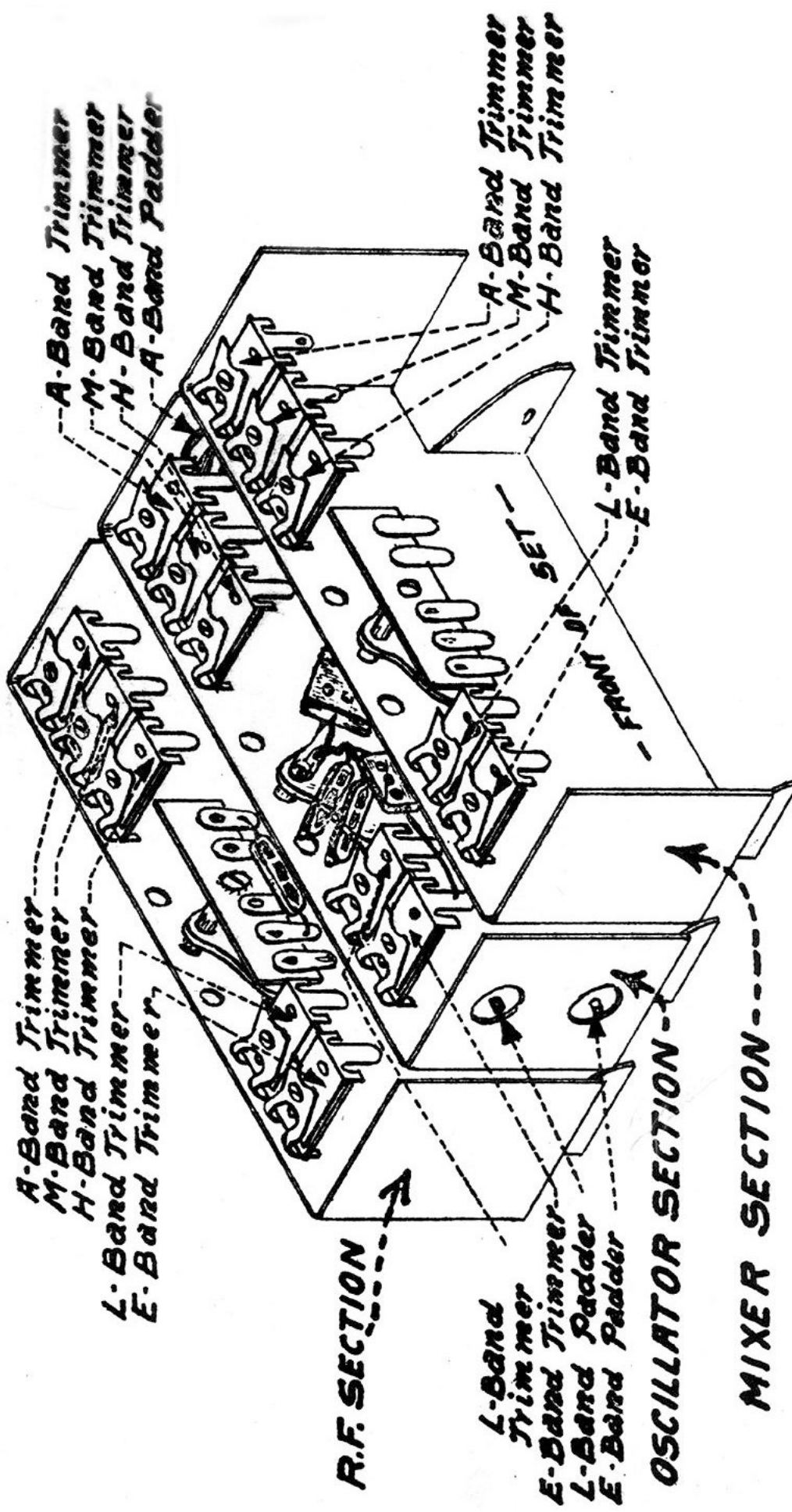
* 600 Ohm tapped resistor

Capacitors in Micro Farads
Resistor in Ohms

* 600 Ohm tapped resistor



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 Redrawn June 15, 2013
 M. Simpson

INSTRUCTIONS FOR REBALANCING 16-1935 RECEIVERS

Procedure for rebalancing the Midwest 16-1935 receiver is as follows:

The I.F. amplifier is designed to operate at 456 k.c. Peak the 1st, 2nd and 3rd I.F. transformers to maximum A.F. output. Trim small A.V.C. transformer to minimum A.F. output. Do not measure A.V.C. as an indication of output. The adjustments screw for the I.F. amplifier will be found in the top of the I.F. transformer which may be located from the parts location chart.

After the I.F. amplifier has been aligned proceed as follows in the procedure of aligning the R.F. portion of the receiver.

Connect a modern signal generator to the antenna and ground posts. Set wave change switch to the "E" band.

Set signal generator to 325 k.c. Rotate dial of receiver to 325 k.c. Trim "E" oscillator trimmer until maximum signal is obtained. Trim the "E" band R.F. and "E" band mixer trimmers until maximum signal is obtained. Set signal generator to 125 k.c. Rotate dial to 125 k.c. Trim "E" band padder until signal is received.

Set wave change switch to the "A" band. Set signal generator to 1400 k.c. Set dial to 1400 k.c. adjust the "A" band oscillator trimmer until the signal is received at maximum. Adjust the A.F. and "A" band mixer trimmers to maximum output. Set signal generator at 550 k.c. Set dial to 550 band k.c. Adjust the "A" band oscillator padder until signal is received. Set wave change switch to the "L" band R.F. and "L" band mixer trimmers until the signal is received at band padder until signal is received.

Set the wave change to the "M" band. Set signal generator to 11.5 meg. Set dial to 11.5 meg. Adjust the "M" band oscillator trimmer until the signal is received at maximum strength. Adjust the "M" band R.F. and "M" band mixer trimmers until maximum signal is received. No padder is provided on this band.

Set wave change switch to the "H" band. Set the signal generator to 28 meg. Set dial to 28 meg. Adjust the "H" band oscillator trimmer until the signal is received at maximum. Adjust the "H" band R.F. and "H" band mixer trimmers until the maximum signal is received. No padder is provided for this band.

This completes the alignment process.