

Northern Electric 5116

NOTES:

1 = ALL VOLTAGE READINGS ARE READ FROM COMMON NEGATIVE AND ABOVE READINGS ARE FOR 117V. INPUT.

2 = WIRING SIDE OF TUBES SHOWN.

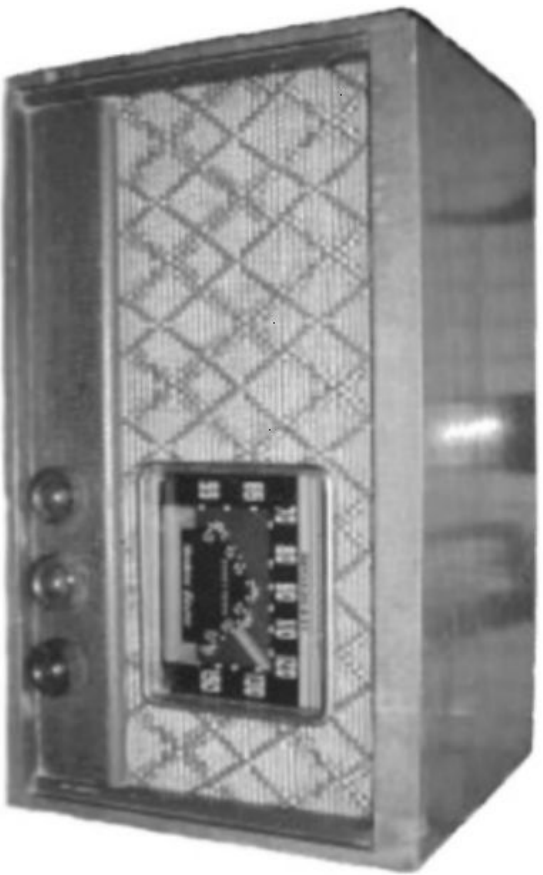
3 = WAVE CHANGE SWITCH IS SHOWN IN B.C. POSITION.

M = 1,000,000 OHMS

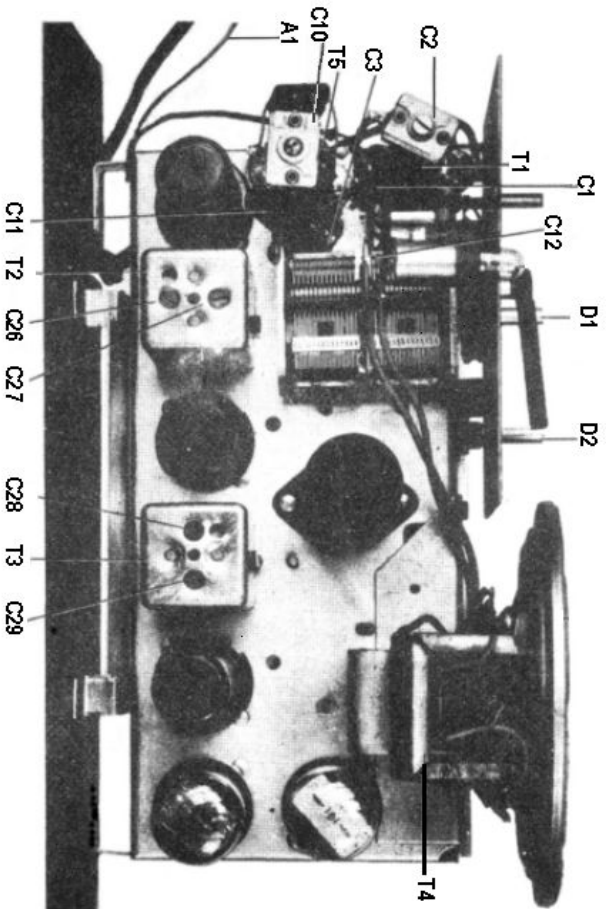
K = 1,000 OHMS

ALL CAPACITORS MFD EXCEPT AS MARKED PF

ALL RESISTORS 1/2 WATT EXCEPT AS MARKED



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Alignment procedure should be carried out in the following order:

Alignment Frequency	Dummy Antenna	Receiver Connection
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1. I.F. 455 kc/s	: 1 mfd. (paper)	Pin #8 12SA7
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Items to be Adjusted for Maximum Output and their Location

Trimmers C26, C27, C28 and C29 on I.F. Cans, items T2 and T3. Gang open.

2. B.C. 1400 kc/s	100 mmf. (mica)	Antenna lug.
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(A) Oscillator trimmer, item C23, free end of B.C. oscillator coil under chassis.

(B) Antenna trimmer, item C10, top of rear coil on chassis. Gang rocked during adjustment.

3. B.C. 600 kc/s	100 mmf. (mica)	Antenna lug.
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(A) Oscillator lag, item C22, fixed end of B.C. oscillator coil. Gang rocked during adjustment.

(B) Recheck at 1400 kc/s.

4. S.W. 15 mc/s	400 ohm (carbon)	Antenna lug.
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(A) Oscillator trimmer item C21, free end of S.W. oscillator coil under chassis

(B) Antenna iron core, item 3A. Gang rocked during adjustment.

5. S.W. 6 mc/s	400 ohm (carbon)	Antenna lug.
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(A) Oscillator iron core, item 41A.

(B) Antenna trimmer, item C2, top of front coil on chassis. Gang rocked during adjustment.

(C) Recheck at 15 mc/s.