

R. METER →

COMMUNICATION  
SWITCH →

← V. I. METER

MANUAL VOL.  
CONTROL AND  
B. F. O.  
SWITCH ←

AUDIO VOLUME  
CONTROL ↑

CRYSTAL PHASING  
CONDENSER AND  
DISCONNECT SWITCH ↑

TUNING DIAL ↑

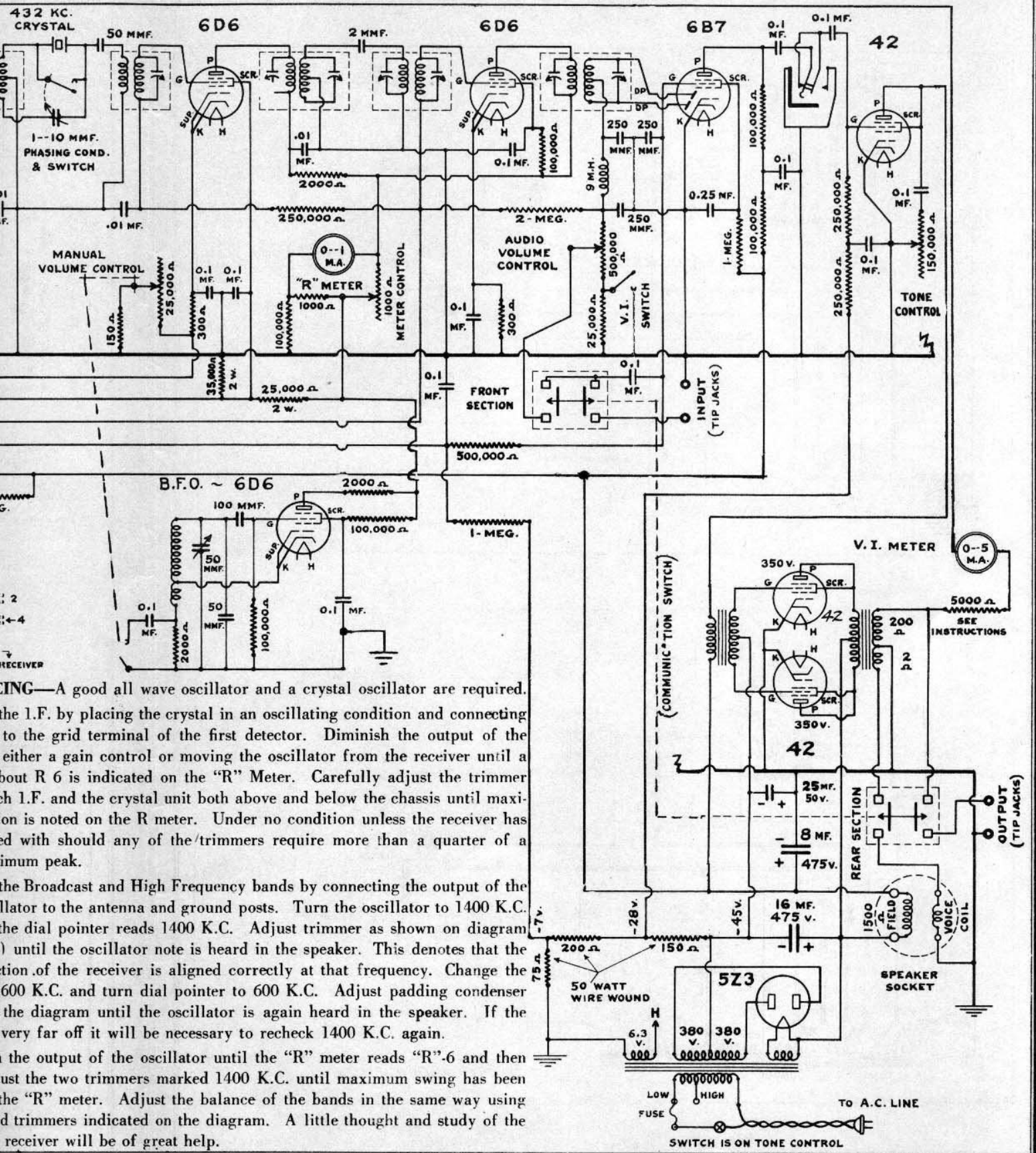
BAND SELECTOR  
SWITCH ↑

TONE CONTROL  
AND A. C. SWITCH ↑



ETING RADIO MFG. CO.

MODEL 12  
Schematic, Alignment



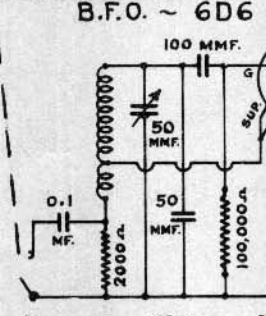
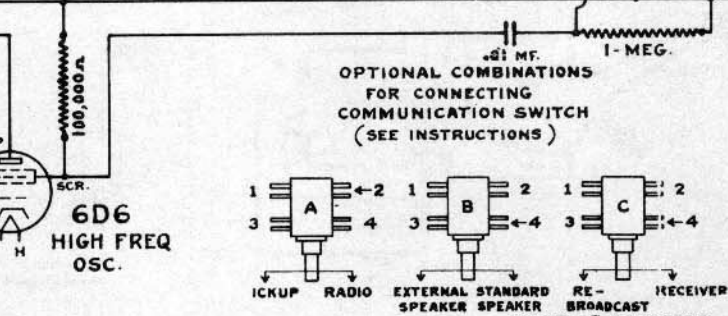
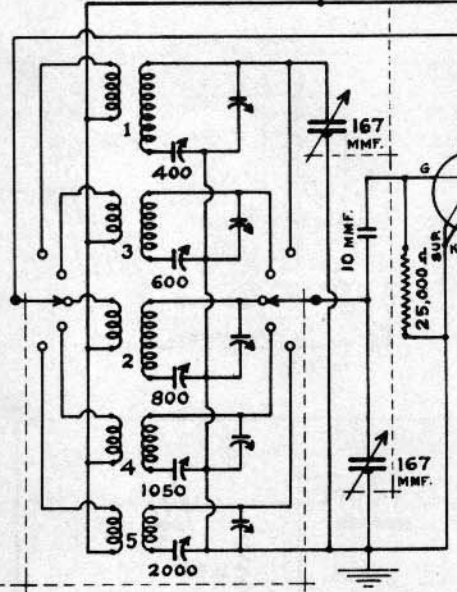
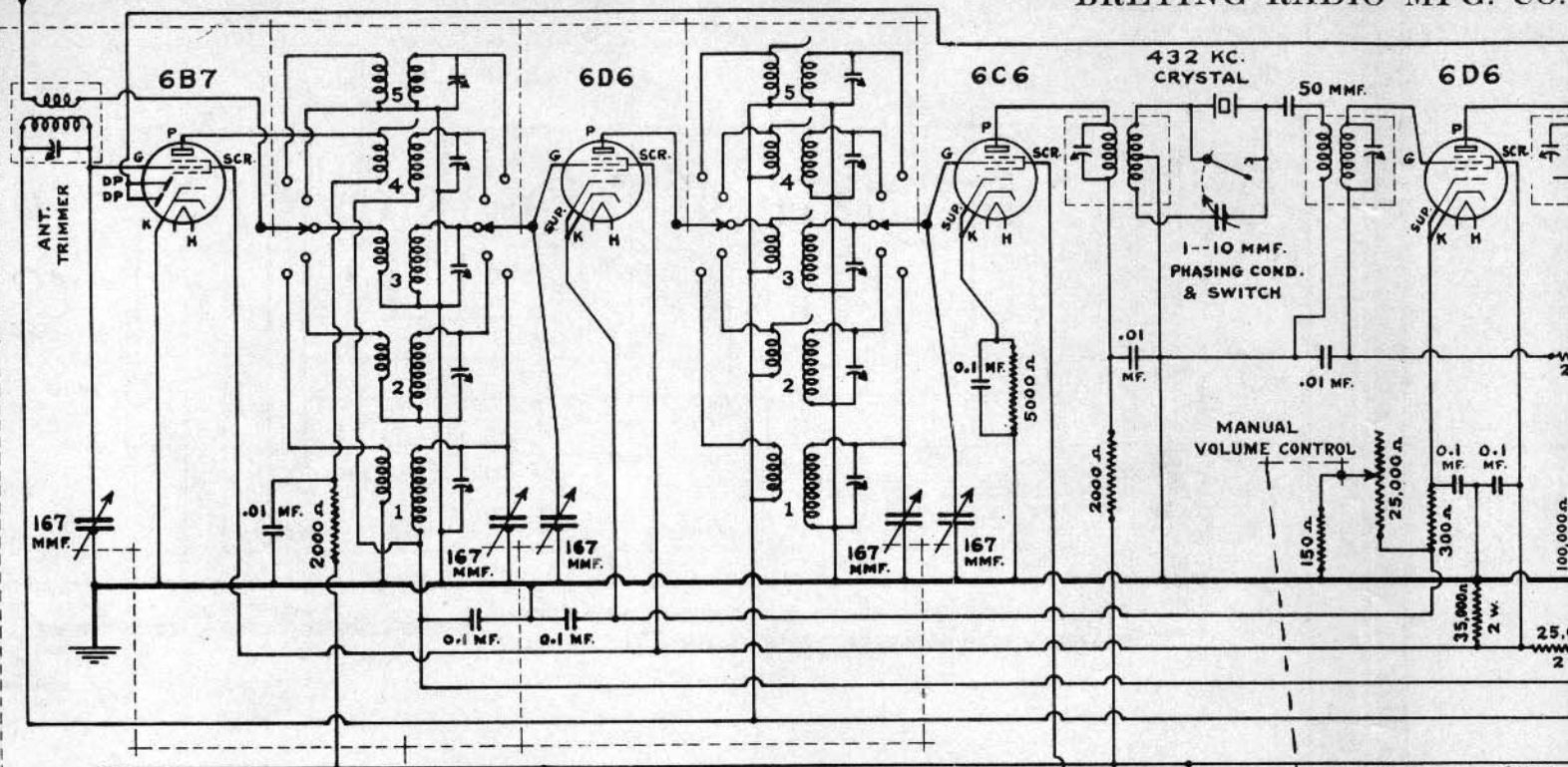
ING—A good all wave oscillator and a crystal oscillator are required. The I.F. by placing the crystal in an oscillating condition and connecting to the grid terminal of the first detector. Diminish the output of the either a gain control or moving the oscillator from the receiver until a about R 6 is indicated on the "R" Meter. Carefully adjust the trimmer each I.F. and the crystal unit both above and below the chassis until maximum is noted on the R meter. Under no condition unless the receiver has been aligned with should any of the trimmers require more than a quarter of a maximum peak.

the Broadcast and High Frequency bands by connecting the output of the oscillator to the antenna and ground posts. Turn the oscillator to 1400 K.C. the dial pointer reads 1400 K.C. Adjust trimmer as shown on diagram until the oscillator note is heard in the speaker. This denotes that the alignment of the receiver is aligned correctly at that frequency. Change the dial pointer to 600 K.C. and turn dial pointer to 600 K.C. Adjust padding condenser as shown on the diagram until the oscillator is again heard in the speaker. If the oscillator is very far off it will be necessary to recheck 1400 K.C. again.

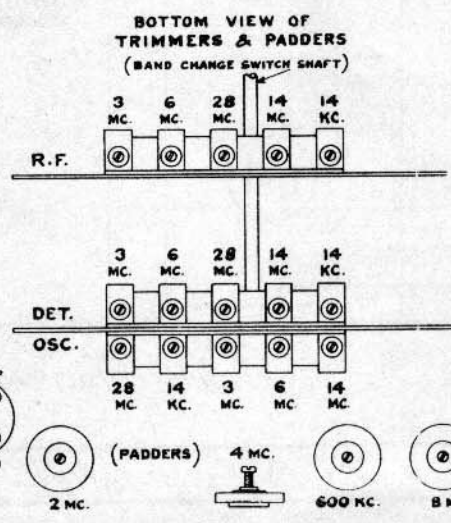
the output of the oscillator until the "R" meter reads "R"-6 and then adjust the two trimmers marked 1400 K.C. until maximum swing has been obtained on the "R" meter. Adjust the balance of the bands in the same way using the trimmers indicated on the diagram. A little thought and study of the receiver will be of great help.

5000 Ω  
SEE INSTRUCTIONS

SWITCH IS ON TONE CONTROL

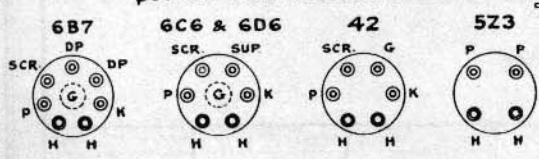


**COILS**  
 NOS 1 & 4 ARE ON SAME FORMS  
 " 3 & 5 " " "  
 " 2 ARE ON SEPARATE FORMS  
 1ST R.F. IS IN CAN WITH ANT. TRIMMER



**LOW FREQUENCY PADDERS**  
 CONDENSERS CAN BE ADJUSTED FROM TOP OR BOTTOM OF CHASSIS AND ARE IN THE POSITIONS SHOWN. TRIM AT FREQUENCY SHOWN.

**BOTTOM VIEW OF SOCKET TERMINALS**

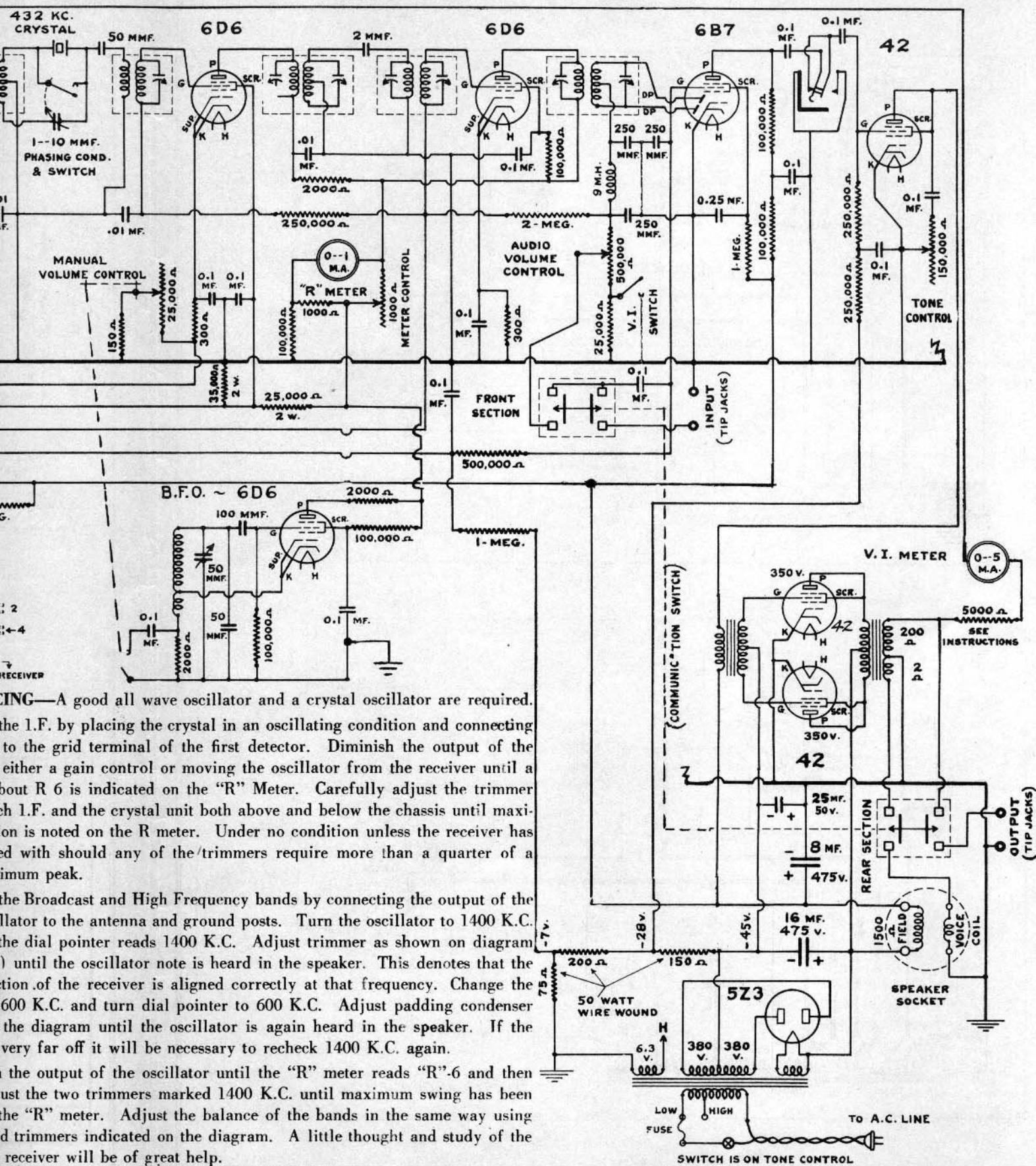


**REBALANCING**—A good all wave oscillator and

1—Balance the I.F. by placing the crystal in an osc. a short wire to the grid terminal of the first detector oscillator by either a gain control or moving the osc. reading of about R 6 is indicated on the "R" Meter screws on each I.F. and the crystal unit both above num indication is noted on the R meter. Under no been tampered with should any of the trimmers return for maximum peak.

2—Balance the Broadcast and High Frequency band all wave oscillator to the antenna and ground posts. and be sure the dial pointer reads 1400 K.C. Adjust (rear section) until the oscillator note is heard in the oscillator section of the receiver is aligned correctly oscillator to 600 K.C. and turn dial pointer to 600 indicated on the diagram until the oscillator is again receiver was very far off it will be necessary to rec

3—Diminish the output of the oscillator until the carefully adjust the two trimmers marked 1400 K.C. obtained on the "R" meter. Adjust the balance of the points and trimmers indicated on the diagram. layout of the receiver will be of great help.



SETTING—A good all wave oscillator and a crystal oscillator are required. The 1.F. is set by placing the crystal in an oscillating condition and connecting to the grid terminal of the first detector. Diminish the output of the oscillator by either a gain control or moving the oscillator from the receiver until about R 6 is indicated on the "R" Meter. Carefully adjust the trimmer for each 1.F. and the crystal unit both above and below the chassis until maximum swing is noted on the R meter. Under no condition unless the receiver has been aligned with should any of the trimmers require more than a quarter of a turn.

Align the Broadcast and High Frequency bands by connecting the output of the oscillator to the antenna and ground posts. Turn the oscillator to 1400 K.C. until the dial pointer reads 1400 K.C. Adjust trimmer as shown on diagram until the oscillator note is heard in the speaker. This denotes that the alignment of the receiver is aligned correctly at that frequency. Change the oscillator to 600 K.C. and turn dial pointer to 600 K.C. Adjust padding condenser as shown on the diagram until the oscillator is again heard in the speaker. If the oscillator is very far off it will be necessary to recheck 1400 K.C. again.

Adjust the output of the oscillator until the "R" meter reads "R"-6 and then adjust the two trimmers marked 1400 K.C. until maximum swing has been obtained on the "R" meter. Adjust the balance of the bands in the same way using the trimmers indicated on the diagram. A little thought and study of the receiver will be of great help.

