ALIGNMENT WITH INSTRUMENTS



BFO

STANDBY-MVC-AVC-CAL set to MVC

BFO set to ON

Tune to a strong signal on any band except the broadcast band (A).

L-11 from the top of the chassis. As you rotate the BFO control a whistle should be heard. If not, adjust



ALIGNMENT WITH INSTRUMENTS

EQUIPMENT REQUIRED

Voltmeter capable of reading down to 0.5 volts AC

400 cycles. Signal generator with ranges from 530kc to 54mc. 30% modulation at

300 μμf capacitor.

SEE FIGURE 33.

Connect the coaxial cable to the generator as shown.

nect the other lead to the center conductor of the coaxial cable coming from the signal generator. Connect the shield wire of the cable to the GR terminal of the receiver. Connect one lead of the 300 $\mu\mu$ f capacitor to the ANT terminal. Con-

Connect the leads of the voltmeter to the speaker terminals

STANDBY-MVC-AVC-CAL set to MVC

NOISE LIMITER set to OFF

BFO set to OFF

at the low end of the band the ANTENNA control should be almost TENNA control should be almost fully clockwise (open); at the center of the band the ANTENNA control should be at mid-rotation; MAIN TUNING pointer is at the high end of the band the AN-NOTE: As the MAIN TUNING pointer is moved up scale, the AN-TENNA control should be increased proportionately. That is, when the fully counterclockwise (closed)

Follow the instructions on the alignment chart.

ALIGNMENT CHART

BAND	MAIN MC	BAND SPREAD	SIGNAL GENERATOR MC	ANTENNA CONTROL	ADJUST FOR MAXIMUM
>	.53	SET MAIN	1.65	*OPEN	T-3 TOP & BOTTOM
>	SAME	SAME	SAME	SAME	1-2
>	SAME	SAME	SAME	SAME	1-1
REPEAT	FIRST THREE	E STEPS			
>	.53	SET MAIN	.53	**CLOSED	1-6
>	1.9	SAME	1.9	OPEN	C-6
REPEAT	ABOVE TW	TWO STEPS			
>	۰,	SET MAIN	ه.	ALMOST CLOSED	L-1
ᅏ	1.9	SAME	1.9	SAME	L-7
œ	2.5	SAME	2.5	1/4 OPEN	L-2
C	6.0	SAME	6.0	SAME	L-8
C	6.0	SAME	6.0	SAME	L-3
D	11.5	SAME	11.5	SAME	L-9
D	11.5	SAME	11.5	SAME	L-4
m	6M	50	50	ALMOST OPEN	L-10
***SET (GENERATOR	AT 46.8Mc	AND CHECK	FOR IMAGE	
m	6%	50	50	ALMOST	L-5

OPEZ

^{*}OPEN means clockwise.

**CLOSED means counterclockwise.

***Leave MAIN TUNING at 50 Mc and set generator at 46.8 Mc. An image of the tone heard at 50 Mc should be heard at reduced volume. If you cannot hear this image, L-10 is tuned incorrectly.