

Set test volume control to maximum. Completely close the gang condenser plates and set the dial pointer to the first dial mark at the low end of the scale. Throw the band switch to "BC" Connect an output meter across the voice lume control to maximum. Completely voice coil. Rotate the

150-1

9 9 9

RED

CIO

25L6GT BLUE

25Z6G1

25L6 GT

2576 GT

C9_b

6Q7 GT

0.51

YEL. & RED

YEL. & GREEN

Set test oscillator to 455 KC and apply signal to the control grid of the 6SA7 tube through a .05 mfd. capacitor. Do not remove the 6SA7 grid lead. Keep the test oscillator output as low as a readable meter reading will permit. Adjust all I.F. trimmers for maximum meter reading.

Alignment

receiver. Align (C-2) at 1500 KC and peak (C-1) for output. Change signal to 580 KC and tune receiver Peak (C-11) on the 580 KC signal by rocking the denser. Retrim at 1500 KC.

Throw the band switch to "SW" band. Peak 2500 KC. loop connected to the signal generator output which can be magnetically coupled to the receiver Beam-a-Scope. When connect a ground lead beam of R.E. dummy antenna for R.F. alignment a ground lead beam. I.R.E. dummy antenna for R.F. alignment do not ground lead between the signal generator and the Align (C-2) at 1500 KC and peak (C-1) for maximum hange signal to 580 KC and tune receiver to signal. gang con-

6J5GT

band. Peak (C-16) on

0.5 megohm volume control 15 megohms carbon resistor 470,000 ohms carbon resistor 1.0 megohms carbon resistor 3300 ohms carbon resistor 39,000 ohms carbon resistor 470,000 ohms carbon resistor 150 ohms carbon resistor 1000 ohms, 1 W. carbon resistor 4700 ohms carbon resistor Ballast resistor BL-42-B Output transformer RECT

BALLAS

CI2

6Q7GT

C13

YEL

RED

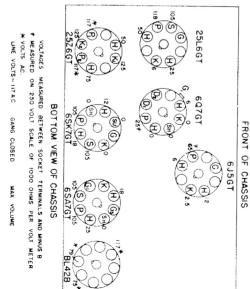
C-15 C-16 C-18a C-18b 47 Mmf. mica capacitor 5-40 Mmf. "C" antenna trimmer 50-135 Mmf. I.F. trimmer R-3 R-4 R-5 50-135 Mmf. I.F. trimmer 50-135 Mmf. I.F. trimmer 50-135 Mmf. I.F. trimmer 50-135 Mmf. I.F. trimmer C-19a R-7 Beam-a-Scope Oscillator coil 1st I.F. transformer 2nd I.F. transformer L-6 P-1 "C" band antenna coil R-12 Dial lamp. MAZDA No. 44 33,000 ohms carbon resistor R-14 2.2 megohms carbon resistor T-1

6SK7GT BLUE

VV R2

Trimmer Location 2ND.1.F 455 KC 455KC 0 • 280 KC U ANT 6SA7GT Ω ₹ 60 ₹00

%



0000 0000 2000

2.5

8 L2

.05 Mfd. paper capacitor

.005 Mfd. paper capacitor

.05 Mfd. paper capacitor 300-675 Mmf. padder

.03 Mfd. paper capacitor

470 Mmf, mica capacitor

220 Mmf. mica capacitor

.005 Mfd. paper capacitor .005 Mfd. paper capacitor .01 Mfd. paper capacitor .50 Mfd., 150 V. dry electrolytic .30 Mfd., 150 V. dry electrolytic

.2 Mfd. paper capacitor

Antenna section tuning condenser Oscillator section tuning condenser

6SA7GT BLUE

RED