

Occasionally audio oscillation may occur in the 4A1 chassis with the volume control in an intermediate position. Should you encounter this trouble, reverse the leads of the primary of the output transformer or ground the speaker frame to the chassis. The speaker leads and the grid lead of the 1H5 should be kept as far as possible from the 3Q5 output tube. ALIGNMENT PROCEDURE

.F.= 455KC.

- IMPORTANT—Check to see that dial pointer reaches | 5. Connect dummy Antenna value in series with generator output lead, when needed (see below).
- several minutes. Allow chassis and signal generator to "heat up" for
- Connect output meter across voice coil of speaker. | proceed in the following sequence. 7. Use lowest Output setting or signal value and of producing adequate Output Meter Indication and then

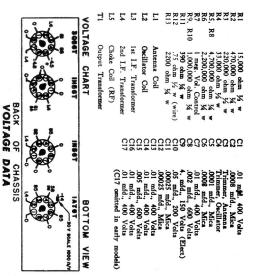
erator with a short heavy lead.

Connect radio chassis to ground post of signal gen-Volume control—Maximum for all adjustments. turned from one end to the other.

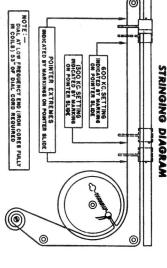
each end of dial scale when Station Selector Control is

| I.F. 455 KC. | I.F. 455 KC. | BAND Frequency Setting | |
|--------------------------------|---|---|--|
| .1 mfd. | .1 mfd. | Dummy Antenna | |
| Grid of 1A7 (Cap) | Grid of 1A7 (Cap) | Connection to Radio | |
| High Frequency end of dial | High Frequency end of dial | Receiver Dial Setting | |
| A-B—1st I.F. | C-D—2nd I.F. | Trimmers Adjusted (In Order Shown) | |
| Input I.F. | Output I.F. | Trimmer Function | |
| Adjust to maximum output | Adjust to maximum output | Type of Adjustment | |
| | 455 KC1 mfd. Grid of 1A7 High Frequency end of dial A-B-1st I.F. Input I.F. | 455 KC1 mfd. Grid of 1A7 High Frequency C-D—2nd I.F. Output end of dial C-D—2nd I.F. I.F. Input end of dial A-B—1st I.F. I.F. | SIGNAL GENERATOR Frequency Dummy to Radio Setting Prequency Dummy Antenna 455 KC. 1 mfd. Grid of 1A7 Cap) Grid of 1A7 High Frequency end of dial Grid of 1A7 High Frequency end of dial Grid of 1A7 High Frequency C-D—2nd I.F. Output end of dial Grid of 1A7 High Frequency end of dial Grid of 1A7 High Frequency end of dial AB—1st I.F. Input I.F. |

NOTE: Before adjusting trimmers "E" and "F," make sure that each iron core is outside of its coil form. If necessary, turn adjustments "G" and "H" to accomplish this. or more



volume control full on, dial at the high frequency end, no signal in appreciable lower readings. Measured with a fresh battery, ohm-per-volt meter, when use of this instrument would result Voltmeter. A second voltage reading is shown made with a 1000 Voltages indicated have been obtained using a Vacuum Tube All readings made between tube socket terminals and chassis



1946-47 BATTERY MODEL 4 A 1 TUNING CONTRO TUBE AND TRIMMER LOCATION P V SATTERY G'V OF BATTERY CABLE BON-OFF SWITCH

ADMIRAL

DATA SHEET