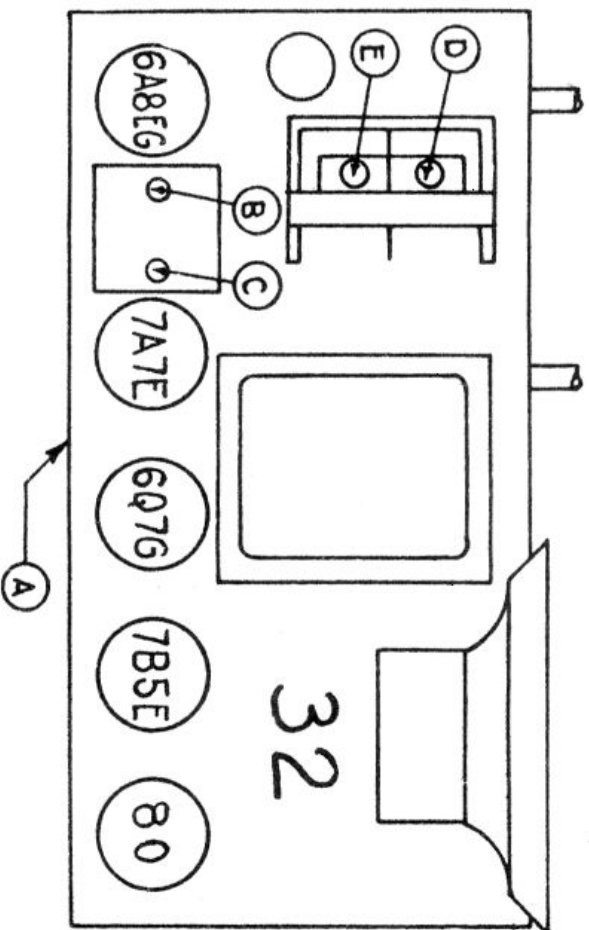


Philco 32

Philco 32

Alignment & Chassis Layout



ALIGNMENT OF COMPENSATORS

Dial Calibration: In order to adjust the receiver correctly the dial must be aligned to track properly with the tuning condenser. To adjust the dial, proceed as follows: (1) Turn the tuning condenser to maximum capacity position (plates fully meshed). (2) With the tuning condenser in this position turn the pointer until it is parallel with the dark horizontal stripe on the dial.

Intermediate Frequency Circuit: Connect the output lead from the high side of the signal generator through a 0.1 mfd. condenser to the grid of the 6A8EG converter tube and the ground connection of the signal generator to the chassis. Set the signal generator and receiver controls and adjust the I.F. compensators as follows.

(1) Set signal generator at 460 K.C. for maximum output. (2) Turn receiver dial to 580 Kc. and short

out Osc. section of gang. (3) With receiver volume control maximum adjust compensators (a) (b) and (c) for maximum output. If the output meter goes off scale when adjusting the compensators, retard the signal generator attenuator.

Radio Frequency Circuit. Connect the high side of the signal generator through a 100 mmfd. condenser to the green aerial wire which protrudes through the rear of the chassis, and the ground terminal of the signal generator to the chassis and proceed as follows:

(1) With volume control maximum and signal generator and receiver both set to 1400 Kc. adjust compensators (D) and (E) in order for maximum output.

(2) Check the calibration at 1000 and 600 Kc.