



coils comprising the Slot Filter section. This network forms a balanced bridge arrangement known as Bifilar "T" Trap, providing high attenuation of an undesired signal within the passband of the receiver. Resistive balance is controlled by the Slot Depth potentiometer R26.

## 2ND CONVERTER STAGE

The second converter stage contains its own variable oscillator. The vernier tuning capacitor, C-156 is connected across the oscillator tank circuit. High stability is achieved by using a high C to L ratio in the tank circuit and by using silver mica capacitors.

## 60 KCS IF AMPLIFIER STAGES

The three stage 60 Kcs IF Amplifier V6, V7 and V8 incorporates six high-Q tuned circuits which are capacitively coupled and separately shielded. High C tuned circuits with the addition of ferrite shielding provide long time stability and freedom from external fields.

The tuned circuits are staggered in a multiplicity of combinations which are selectable by means of the selectivity and sideband switch selectors. The over-all response curves in the various positions are shown in Figure 7.

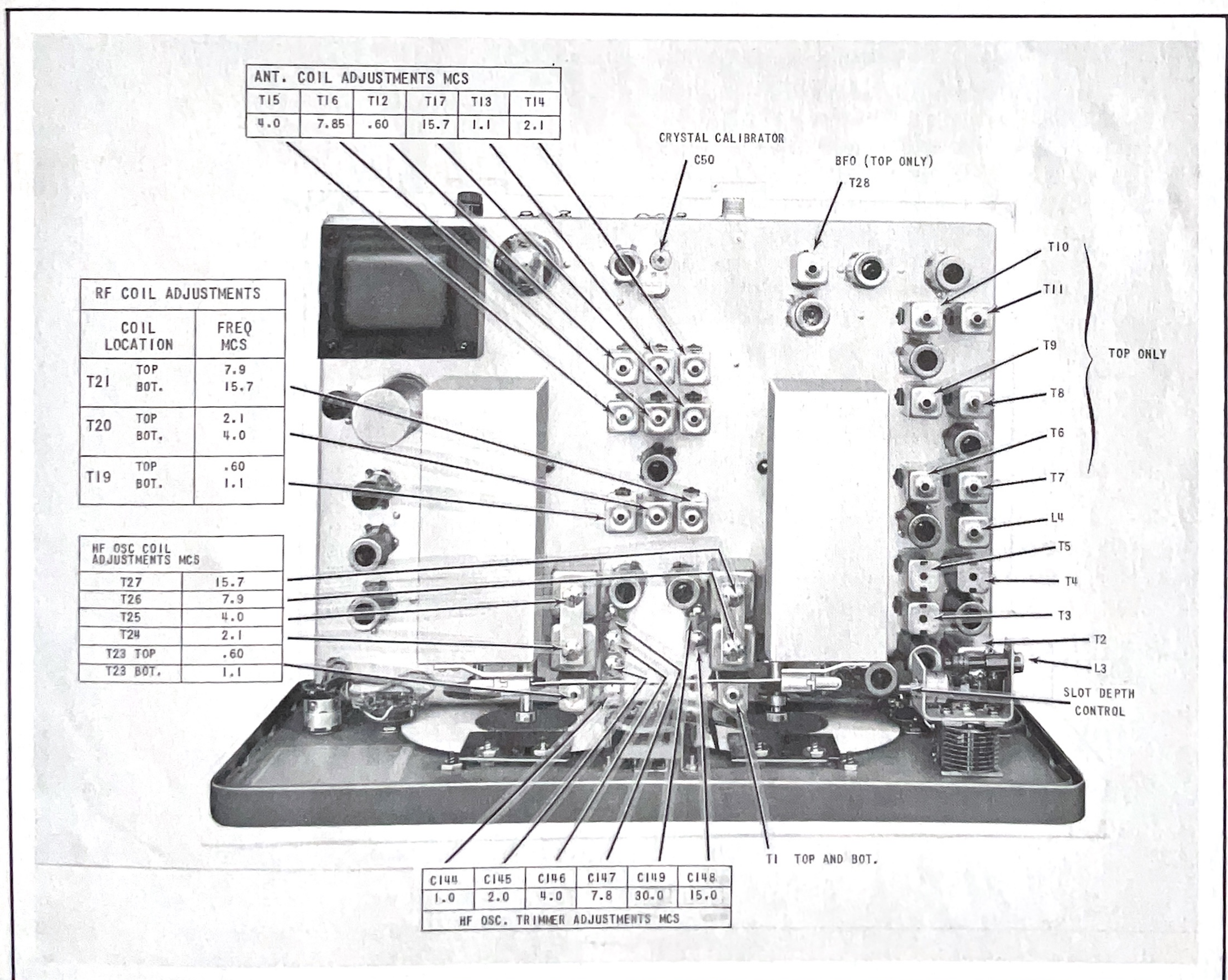


Figure 9. Top View of Chassis