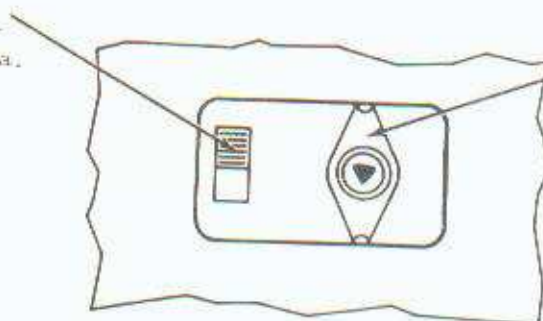


- (4) SPOT Controls oscillator so that transmitting frequency may be located on receiver dial.
- (5) SPEAKER 2-1/2" x 4" oval PM speaker located behind grille.
- (6) MICROPHONE Four-pin socket for push-to-talk ceramic microphone (supplied).
- (7) WHIP ANTENNA Extends to 52" for portable operation.
- (8) S-METER Indicates received signal strength in "S" units and decibels over S9. Calibrated S1 to 30 db over S9.
- (9) WHIP HOLD-DOWN CLIP Insulating plastic clamp secures collapsed whip when the HA-650 is not in use or when extended for vertically polarized operation.
- (10) RECEIVER FREQUENCY DIAL Indicates receiver frequency from 50-52 Mc. Calibrated in 100 Kc increments with direct frequency readout every 300 Kc.
- (11) PHONE JACK Accepts standard 1/4" phone plug and silences speaker when headphones are used.

INTERNAL-EXTERNAL
ANTENNA SWITCH
Selects built-in whip antenna or external antenna.



EXTERNAL ANTENNA
RECEPTACLE
Motorola jack accepts external six-meter antenna.

FIGURE 2

PORTABLE OPERATION

The HA-650 is supplied with a plastic battery compartment holding ten "D" size cells. The procedure for battery installation is as follows:

1. Remove the rear chassis cover by releasing the two snap latches at the sides of the transceiver.
2. Insert the ten "D" size batteries (or nickel-cadmium rechargeable cells) into the plastic compartment. Be sure to observe proper polarity. The spring always makes contact with the outside (negative) case. The positive terminal always rests in the round seat provided (see Fig. 3).
3. Place the compartment in the transceiver with the cable side down.
4. Plug the power cord into the receptacle at the rear of the transceiver.