



# Phonola - Electrohme 40UB61-E & 40UB61-P

## ALIGNMENT AND CALIBRATION

These receivers are carefully aligned and calibrated at the factory with precision instruments. If realignment is necessary, the following equipment is required:

- (1) A signal generator to supply with accuracy the frequencies:

- (a) 455 K.C., (b) 1460 K.C.
- (2) A dependable output meter.

### SELECTOR SWITCH

There are three positions at which this switch may be set. These are indicated by lettering on the cabinet as follows:

- "BATT."—Battery Operation.
- "OFF"—Off Battery or A.C./D.C. Operation.
- "A.C./D.C."—110 Volts 25 or 60 cycle A.C. or 110 volts D. C. Operation.

(Value of R16 Later Changed to 50 Ohms.)

### ALIGNMENT — PROCEED IN SEQUENCE LISTED

	Switch Setting	Dummy Antenna	Connect Generator To	Radio Dial Setting	Generator Frequency	Trimmer Adjusted	Adjustment	Note
2nd I. F.	Batt.	.1 Mfd.	Grid of 1N5G I. F. Tube	1500 K.C.	455 K.C.	2nd I. F. C-6	Maximum Output	
2nd I. F.	Batt.	.1 Mfd.	Grid of 1A7G 1st Converter	Approx. 1500 K.C.	455 K. C.	1st I. F. C-5	Maximum Output	
Antenna 1460 K. C.	Batt.	400 Ohm	Antenna Terminal	1460 K. C.	1460 K. C.	Ant. C-3	Maximum Output	See Paragraph on Loop Ant. Trimmer Adjustment
Oscillator 1460 K. C.	Batt.	400 Ohm	Antenna Terminal	1460 K. C.	1460 K. C.	Osc. C-4	Maximum Output	

### LOOP ANTENNA TRIMMER ADJUSTMENT

Tune to a weak station between 1200 K.C. and 1500 K.C., and adjust the antenna trimmer C3 for maximum output. This will give the best overall results across the Broadcast band. However, if some particular station, which is difficult to receive is desired, it is permissible to adjust the antenna trimmer C3 to a maximum point at that station. If this is done it must be borne in mind that the sensitivity at the other points of the dial may suffer slightly.

NOTE:—When an external antenna is used it is necessary to re-adjust antenna trimmer C3 using the procedure as outlined above. When the external antenna is removed, it is, of course, necessary to adjust this trimmer again.

## Electrohome 40UB61-E & 40UB61-P

