

ALIGNMENT PROCEDURE MODELS 652 AND 1000

No attempt should be made to realign the various circuits until all other causes have been checked, unless the condition is so obvious as to indicate that realignment is necessary. Then proceed as follows:

Volume Control full on.

Low range A.C. meter connected across voice coil to indicate output.

Keep signal generator attenuated so as to maintain 1/2 scale reading on output meter.

Make certain that dial pointer is exactly on index line (top left side of dial plate) when variable condenser is fully meshed.

ALIGNMENT DATA FOR
MODELS 652 AND 1000
ARE SIMILAR WITH
EXCEPTION OF STEPS
2 AND 3 IN COLUMNS
SHOWING GENERATOR
CONNECTIONS

Part No.

12.4	Tubular Condenser .005 mf 600 V
12.6	Tubular Condenser .01 mf 400 V
12.9	Tubular Condenser .03 mf 400 V
12.11	Tubular Condenser .05 mf 200 V
12.12	Tubular Condenser .05 mf 400 V
17.5	Mica Condenser 100 mmf $\pm 10\%$
17.8	Mica Condenser 250 mmf $\pm 20\%$
22.3	3 Section Electrolytic Condenser 30-40-20 mf
27.4	Variable Condenser 150 W.V.
37.6	Oscillator Coil
37.7	Loop Antenna
37.3	Input I.F. Transformer complete
37.8	Output I.F. Transformer complete
37.5	I.F. Trap
52.3	Volume Control with Switch
72.1	Power Cord (approved)

PARTS LIST 652 SERIES

Description

77.12	Dial Pointer
77.10	Dial Scale (Calibrated)
97.7A	Cabinet—Alabaster
97.7B	Cabinet—Red & Alabaster
97.7C	Cabinet—Blue & Alabaster
97.7D	Cabinet—Maroon & Alabaster
97.7E	Cabinet—Onyx
97.8	Cabinet Back
142.3A	Cabinet Knobs Alabaster
142.3B	Cabinet Knobs Onyx
142.3C	Cabinet Knobs Red
107.4	4" Speaker with Transformer
107.41	4" Speaker less Transformer
42.1	Speaker Transformer for above
117.1	30 ohm 1 W Resistor

MODEL 652

MODEL 1000

Receiver Dial at:	Signal Generator:	Dummy Antenna:	Connect Generator to:	Connect Signal Generator to:	Refer to Chassis Layout for Location of Trimmers
1 Full Open	Exactly 456 KC	.1 MF	Control Grid 14Q7 Tube Pin No. 6 on 14Q7 Socket	Control Grid 12SA7 Tube Pin No. 8 on 12SA7 Socket	Adjust for Maximum Output T1, T2, T3 & T4
2 Full Open	Exactly 456 KC	.1 MF	Control Grid 14A7 Tube (RF) (Top) Rear Section Variable Condenser	Control Grid 12SK7 Tube (R.F.) (Top) Rear Section Variable Condenser	Adjust for Minimum Output T5
3 Exactly 1680 KC	Exactly 1680 KC		Radiating Loop (1/2 meter) 20" from Receiver	Radiating Loop (1/2 meter) 20" from Receiver	Adjust for Maximum Output T6
4 Exactly 1500 KC	Exactly 1500 KC		Radiating Loop (1/2 meter) 20" from Receiver	Radiating Loop (1/2 meter) 20" from Receiver	Adjust for Maximum Output T7
5 Approx. 600 KC	Approx. 600 KC		Radiating Loop (1/2 meter) 20" from Receiver	Radiating Loop (1/2 meter) 20" from Receiver	Check tracking and bend slotted end plate (rear section) of variable if necessary.
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PARTS LIST 1000 SERIES

Part No.

Description

12.4	Tubular Condenser .005 mf 600 V
12.6	Tubular Condenser .01 mf 400 V
12.9	Tubular Condenser .03 mf 400 V
12.11	Tubular Condenser .05 mf 200 V
12.12	Tubular Condenser .05 mf 400 V
17.5	Mica Condenser 100 mmf $\pm 10\%$
17.8	Mica Condenser 250 mmf $\pm 20\%$
22.1	3 Section Electrolytic Condenser 30-40-20 mf 150 W.V.
27.5A	Variable Condenser
37.1	Oscillator Coil
37.10	Loop Antenna
37.3	Input I.F. Transformer complete
37.33	Output I.F. Transformer complete
37.5	I.F. Trap
52.5	Volume Control with Switch
72.1	Power Cord (Approved)
77.6	Dial Pointer
77.21	Dial Scale (Calibrated)
77.22	Dial Crystal
97.16A	Cabinet Alabaster
97.16B	Cabinet Red & Alabaster
97.16C	Cabinet Blue & Alabaster
97.16D	Cabinet Maroon & Alabaster
97.16E	Cabinet Onyx
142.5A	Cabinet Knobs Alabaster
142.5B	Cabinet Knobs Onyx
142.5C	Cabinet Knobs Red
107.1	4" P.M. Speaker with Transformer
42.1	Speaker Transformer for above

