

PHILCO-TROPIC... Model 39-2770, Code 121

SPECIFICATIONS

Model 39-2770 is an eleven (11) tube A. C. operated superheterodyne circuit with four tuning ranges covering—long wave, 140 to 390 K. C.; standard broadcasts, 540 to 1720 K. C.; short wave (A) 5.7 to 11.5 M. C.; short wave (B) 11.5 to 22 M. C. Other than the tuning range coverage Model 39-2770 is similar in design to the Model 39-770.

Service information for Model 39-2770 is the same as that given in Service Bulletin No. 314 for Model 39-770 with the exception of "Alignment of Compensator" procedure and some parts in the R. F. section.

These differences are listed below:—

SCHEMATIC NO.

(2)

(8)

(24)

DESCRIPTION

Ant. Trans.

R. F. Trans.

Osc. Trans.

PART NO.

32-3135

32-3136

32-3137

1—Add a 2200 mmfd. condenser, Part No. 30-1125, from contact C1 on Range Switch to ground.

2—Add a 5 mmfd. condenser, Part No. 30-1120, from contact C2 on Range Switch to ground.

3—Add a 110 mmfd. condenser, Part No. 30-1118 in place of the 51,000 ohm resistor, Part No. 33-351439, now used in the Model 39-770.

4—Add a 5 mmfd. condenser, Part No. 30-1120 from contact B2 on Range Switch to ground.

5—Add a compensator, Part No. 31-6297, from contact A1 on Wave Switch to ground. (The 1330 mmfd. semi-fixed condenser, Part No. 31-6286, used in Model 39-770 is removed from Model 39-2770.)

ALIGNMENT OF COMPENSATORS

SIGNAL GENERATOR					RECEIVER		
Operations	Output Connections to Receiver	Dummy Antenna Note A	Dial Setting	Dial Setting	Control Setting	Adjust Compensators	Special Instructions
1	6J8G Grid	.1 mfd.	470 K. C.	580 K. C.	Tone-Treble Vol.-Max. Range Switch Brdct.	35B, 35A, 34C, 34A	Turn 34B "in" full
2	6J8G Grid	.1 mfd.	470 K. C.	580 K. C.	Tone-Treble Vol.-Max. Range Switch Brdct.	34B	To Max. Output
3	Ant. & Gnd. Panel	200 mmfd.	1500 K. C.	1500 K. C.	Tone-Treble Vol.-Max. Range Switch Brdct.	27, 20B, 20A	Note B
4	Ant. & Gnd. Panel	200 mmfd.	580 K. C.	580 K. C.	Tone-Treble Vol.-Max. Range Switch Brdct.	28	Roll gang
5	Ant. & Gnd. Panel	200 mmfd.	350 K. C.	350 K. C.	Tone-Treble Vol.-Max. Range Switch "LW"	27A	Note B
6	Ant. & Gnd. Panel	200 mmfd.	160 K. C.	160 K. C.	Tone-Treble Vol.-Max. Range Switch "LW"	New Compensator contact A1 Range Switch	Roll gang
7	Ant. & Gnd. Panel	400 ohms	11 M. C.	11 M. C.	Tone-Treble Vol.-Max. Range Switch "SWB"	30, 14, 6	Note D Roll gang on 14 and 6 image above 11.0 M. C.
8	Ant. & Gnd. Panel	400 ohms	6.0 M. C.	6.0 M. C.	Tone-Treble Vol.-Max. Range Switch "SWB"	30A, 14A, 6A	Note D Roll gang on 14A and 6A image above 6.0 M. C. Repeat operation 6
9	Ant. & Gnd. Panel	400 ohms	20.0 M. C.	20.0 M. C.	Tone-Treble Vol.-Max. Range Switch "SWA"	30B, 14C, 6C	Note D Roll gang on 14C and 6C image above 20.0 M. C.
10	Ant. & Gnd. Panel	400 ohms	12.0 M. C.	12.0 M. C.	Tone-Treble Vol.-Max. Range Switch "SWA"	30C, 14B, 6B	Note D Roll gang on 14C and 6B image above 12.0 M. C. Repeat operation 7

COILS SHOWN BELOW

The numbers on coil connections shown, correspond to same numbers on coil connections in Service Bulletin No. 314 for Model 39-770.

