



# PHILCO

REG. U.S. PAT. OFF.

## CHANGES IN MODELS

Since Publication of Each Service Bulletin



Grouped under each model and arranged according to date . . . All current models included . . . Corrected to January 1, 1935

The following pages contain complete listings of all major changes—involving changes in circuit, part numbers or anything of interest to the serviceman—in Philco receivers current at the time of printing. These changes date back to the date of publication of the last printing of the Philco Service Bulletin on each model; the number of the Bulletin is given in each case for reference.

Ownership of this folder in addition to Service Bulletins, gives the serviceman a complete record on each model; thus he will not be inconvenienced at finding, when servicing a current set, that it differs from that shown in the original Service Bulletin.

The second column on each page gives the "Run Number" of the set at the time of the change (where this information was available from our records). The Run Number is stamped on the top of the chassis with a rubber stamp and is the left-hand number in the rectangle.

The Code Number of the set is given on the chassis name plate or name label (at rear of chassis).

### MODEL 14 (Codes 121 and 122) Service Bulletin No. 174

Approximate Date of Change	Run No.	CHANGES
11-1-33	2	Condenser Ⓢ 3903-Z (.01 mfd.) replaced by Part 4989-J (.09 mfd.). Resistor Ⓢ 4411 (.1 meg.) replaced by Part No. 4517 (.5 meg.).
12-1-33	3	Electrolytic Condensers Ⓢ 30-2022 (8 mfd.) and Ⓢ 30-2003 (10 mfd.) are replaced by 30-2045 (8 and 10 mfd.). The red lead on the new condenser is 8 mfd., plain lead 10 mfd. Correction: Ⓢ Output Transformer should be Part No. 32-7052.

### MODEL 16 (Codes 121 and 122) Service Bulletin No. 165-B

11-15-33	8	Part Ⓢ Condenser 7296-G (.002 and .05 mfd.) replaced by 7296-F (.002) and 30-4020 (.05 tubular). Improves results by eliminating long lead. Part Ⓢ Condenser 30-1000 (.00041 mica) is replaced by 30-1027, same capacity. Production reasons only.
12-1-33	10	Parts Ⓢ and Ⓢ Electrolytic Condensers 30-2022 and 30-2003 replaced by one 30-2045 (8 and 10 mfd.) in Code 121 and 30-2046 (8 and 10 mfd.) in Code 122.
12-20-33	11	Part Ⓢ changed from 7296-F (.002 mfd.) to 3903-AH (.01 mfd.).
4-1-34	12	Part Ⓢ Shadowmeter changed from 6497 to 45-2028.
6-1-34	14	Part Ⓢ Oscillator Plate Resistor changed from 4237 (51,000 ohms) to 3656 (25,000 ohms).
6-15-34	15	Part Ⓢ Tone Control changed from 30-4069 to 30-4168. Condenser Ⓢ changed from 7653-C (twin .025) to 3615-J (.05 mfd.).
7-1-34	16	Add a 30-4125 Tubular Condenser (.006 mfd.) between plate of 77 1st A.F. tube and Tone Control. (Improves tone control.) Part Ⓢ Tone Control changed from 30-4168 to 30-4204. Condenser 3615-J changed to 3615-L. (Both .05.) Condenser 30-4125 (part of tone control) is now built into tone control instead of external.

### MODEL 16 (Codes 125 and 126) Service Bulletin No. 205

10-15-34	9	Mica Condenser ⓈA (Part 30-1044. 35 mmfd.) is omitted and a 70-ohm Resistor (33-1129) is inserted in the plate circuit of the 78 R.F. tube, close to plate contact of socket. This prevents any tendency to oscillate on the high frequency end of the short-wave band.
11-15-34	10	Circuit to 78 tubes changed to permit use of 78-E (European) tubes interchangeably with 78. The suppressor grids of the 78 tubes are connected together and to ground instead of being tied to the cathodes as shown in original circuit.

### MODEL 16—Continued

Approximate Date of Change	Run No.	CHANGES
.....	..	Correct Part No. of Dial Assembly to read 31-1363 (List price, .75) (instead of 31-1287 as listed). Correct value of Volume Control Ⓢ (in Parts List only) to read "2 megs., tapped at 170,000 ohms" (instead of 350,000 ohms as listed).
.....	..	Correct Part Nos. of Compensating Condensers to read as follows: Ⓢ and Ⓢ osc. L.F. Ranges 1 and 2—Dual Compensator, Part No. 31-6027, List Price \$0.70 Ⓢ and Ⓢ 1st I.F. Pri. and Sec.—Dual Compensator, Part No. 31-6003.....List Price .45 Ⓢ and Ⓢ 2nd I.F. Pri. and Sec.—Dual Compensator, Part No. 31-6028.....List Price .85 Ⓢ and Ⓢ 3rd I.F. Pri. and Sec.—Dual Compensator, Part No. 31-6003.....List Price .45

### MODEL 17 Service Bulletin No. 161-B

Code 121		
12-1-33	8	Condensers Ⓢ 30-2003 (10 mfd.) and Ⓢ 30-2022 (8 mfd.) are replaced by a Double Condenser—30-2045 (8 and 10 mfd.).
Code 122		
12-1-33	8	Condensers Ⓢ 30-2003 (10 mfd.) and Ⓢ 30-2026 (8 mfd.) are replaced by a Double Condenser—30-2046 (8 and 10 mfd.). <i>Note:</i> In Code 123 Ⓢ was 30-2014 (8 mfd.).
12-20-33	..	Condenser Ⓢ 7296-E (.002-.002 mfd.) changed to 7296-H (.01-.002 mfd.). This permits zero volume with Volume Control at minimum and suppression switch on. Shadowmeter Ⓢ changed from 6497 to 45-2028.

### MODEL 18 (Codes 121 and 122) Service Bulletin No. 172

11-1-33	4	Condenser Ⓢ, Part 7006, replaced by Part 30-1026, same capacity (.0025 mfd.).
11-15-33	6	Condensers Ⓢ, Part 6706 or 30-2022 (8 mfd.), and Ⓢ, Part 30-2003 (10 mfd.), are replaced by a Double Condenser, Part No. 30-2045 (8 and 10 mfd.).

### MODEL 18 (Code 124) Service Bulletin No. 198

8-1-34	4	Resistor Ⓢ changed from Part 7775 (2500 ohms) to Part 5837 (1000 ohms). The antenna and oscillator transformers were slightly changed at the same time, but no change in Part No. New ones identified by a dot of red paint on the bracket. These changes increase sensitivity.
12-1-34	..	Suppressor Grids of 78 tubes connected direct to ground instead of to cathode. Permits use of European (78-E) tubes interchangeably with 78.

**MODEL 19 (Code 128)**

Service Bulletin No. 146-A

Approximate Date of Change	Run No.	CHANGES
.....	..	Correct Voltage Table as follows: Plate voltages: 44's and 36: 225 volts; 75: 150 volts; 42: 270 volts. Screen voltages: 44's and 36: 100 volts; 42: 290 volts.

**MODEL 29**

Service Bulletin No. 195

7-15-34	8	Cathode Resistor Ⓢ changed from Part No. 6977 (500 ohms) to 33-3016 (400 ohms). This counteracts effect of variation in production of 6A7 tubes.  Mica Condenser Ⓢ changed from Part No. 7301 to 30-1028. Same capacity. Changed to facilitate manufacture.  Wave Trap Ⓢ changed from Part No. 38-5199 to 38-5995. The new wave trap is of improved construction.
7-15-34	9	Bass Compensation Condenser Ⓢ changed from Part No. 4989-AM (.09 mfd.) to 3615-AW (.05 mfd.). This improves the effect of bass compensation in the set.
7-15-34	9	Electrolytic Condenser Ⓢ changed from Part No. 30-2020 to 30-2026. Same capacity, higher working voltage to eliminate possibility of breakdown.
9-15-34	..	Shadowmeter Ⓢ changed from 6497 to Part No. 45-2028.
11-1-34	13	Resistor Ⓢ changed from Part No. 33-3016 (400 ohms) to 7217 (200 ohms). This improves stability.
11-1-34	14	Condenser Ⓢ changed from Part No. 30-4134 (tubular) to 30-4258 (metal case rectangular). The new type is mounted on top of chassis and has a larger safety factor. Both are .25 mfd. capacity.
12-1-34	15	Resistor Ⓢ changed from Part No. 7217 (200 ohms) to 33-3010 (300 ohms). This further improves stability.

**MODEL 32**

Service Bulletin No. 189

7-1-34	4	Antenna and ground Fahnestock clip terminals replaced by insulated wire leads. This better meets Fire Underwriters requirements in certain sections.
9-1-34	5	Type 36 Detector-Oscillator Tube replaced by a type 77, giving more stable performance. This requires also the following changes: Five-hole Tube Socket replaced by six-hole type. Resistor Ⓢ, Part No. 6208 (15,000 ohms), replaced by 33-1114 (8000 ohms). Condenser Ⓢ, Part No. 5863 (.0007 mfd.), replaced by 7007 (.0014 mfd.).
12-15-34	6	Part Ⓢ, Volume Control 33-5063, and Part Ⓢ, 42-1017, Wave Band and On-Off Switch, replaced by Part No. 33-5006, On-Off Switch and Volume Control, and Part No. 42-1040, Wave Band Switch. This simplifies operation of the receiver. Correct Part No. of Volume Control Ⓢ to read 33-5063 (instead of 33-5065 as listed). List price, \$1.00, is correct. Correct schematic so that there is a connection between control grid of 36 tube and ungrounded end of oscillator section of variable condenser.

**MODEL 34**

Service Bulletin No. 188

6-15-34	3	Tone Control Ⓢ changed from Part No. 30-4152 (2 point) to 30-4168 (4 point). List price of new Control, \$.75.
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**MODEL 38 (Codes 121 and 122)**

Service Bulletin No. 166

Approximate Date of Change	Run No.	CHANGES
11-1-33	3	Part 32-1251, 1st I. F. Transformer Ⓢ, replaced by 32-1290. Part 32-1252, 2nd I.F. Transformer Ⓢ, replaced by 32-1291. Resistor Ⓢ, Part No. 4412 (10,000 ohms), replaced by Part No. 4516 (25,000 ohms). Compensating Condenser Ⓢ, 2nd I.F. Primary, 04000-A, replaced by 04000-J.
4-1-34	..	Compensating Condenser Ⓢ changed from Part No. 04000-A to 31-6016, which is of improved construction.
7-1-34	..	Ballast Tube Shunt Resistor changed from Part No. 7155 (30 ohms) to 33-3043 (20 ohms). This gives a slight (desirable) increase in filament voltage. This Resistor is used only on Model 38-A (all dry-battery operation).
7-15-34		Output Transformer Ⓢ changed from Part No. 2565 to Part No. 32-7286. Code 122 (lowboy) only. KR-10 Speaker replaces KR-2.

**MODEL 38 (Code 123)**

Service Bulletin No. 166-A

10-15-34	6	Volume Control Ⓢ changed from 33-5017 to 33-5087.
11-1-34	7	A Tubular Condenser, 0.1 mfd., 30-4122, is connected from the positive of the type 30 tube socket to ground. This Condenser acts as a bypass and prevents oscillation.
	8	The Condenser mentioned above was changed to Part No. 30-4146 (.25 mfd.).
	9	Volume control and circuit changed. Part No. of Volume Control becomes 33-5094 (same value, 20,000 ohms). The lead from the Antenna Series Condenser Ⓢ is now connected to the arm of the Control instead of the upper end (in diagram), which will now be open. Bypass Condenser 6287-K (.15 mfd.) added from lower end of Volume Control to Ground. These changes give quieter operation. Correct Part No. of 1st I.F. Transformer to read 32-1290 and 2nd I.F. Transformer to read 32-1291.

**MODEL 44**

Service Bulletin No. 176

		Correction in Schematic (Fig. 2). The lead from the screen-grid of the 6A7 Detector-Oscillator Tube should connect to the junction point between Resistors Ⓢ and Ⓢ, instead of as shown on the diagram.
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**MODEL 45**

Service Bulletin No. 191

6-15-34	5	Part Ⓢ, Cathode Resistor, changed from 6977 (500 ohms) to 33-3016 (400 ohms). This prevents variation in output of sets due to variation in 6A7 tubes.
6-15-34	6	Electrolytic Condenser Ⓢ and Ⓢ, Part No. 30-2028, replaced by 30-2079. Same capacity, higher working voltage and greater safety factor.
7-1-34	8	Electrolytic Condenser Ⓢ changed from Part No. 30-2020 to 30-2026. Same capacity (6 mfd.), higher working voltage.
7-1-34	8	Part Ⓢ, Bass Compensation Condenser, will now be the same in both Code 121 and 122, Part No. 3615-W (.05 mfd. bakelite block type).
7-15-34	9	Mica Condenser Ⓢ changed from Part No. 7301 to 30-1028. No change in capacity—change to facilitate manufacture.
7-15-34	9	Wavetrap Ⓢ changed from Part No. 38-5199 to 38-5995. New wavetrap is of improved construction.
11-1-34	15	Condenser Ⓢ changed from Part No. 30-4170 (tubular) to 3615-BM (bakelite block type). The latter has a higher working voltage.
12-1-34	16	Cathode Resistor Ⓢ changed from Part No. 7217 (200 ohms) to 33-3010 (300 ohms). This improves stability of the set.

**MODEL 49**

Service Bulletin No. 199

Approximate Date of Change	Run No.	CHANGES
8-15-34	3	Bypass Condenser ④ changed from Part No. 3615-AX to 3615-BB. Change in lug arrangement only, to facilitate production.
9-1-34	4	Shadowmeter Circuit changed to reduce current through Shadowmeter. The lead from the primary of the 2nd I.F. Transformer ② removed from one side of the Shadowmeter ④ and connected to the other side. The Shadowmeter Shunt Resistor ⑥, Part No. 5309, is omitted.

**MODEL 54**

Service Bulletin No. 157-A

Approximate Date of Change	Run No.	CHANGES
12-1-33	8	Filter Condenser ⑦, 30-4023, changed so that capacity of section "F" becomes .09 instead of .05. Eliminates tendency to oscillate at low frequency end of scale.
12-15-33	9	Condenser ③, 3793-Y, changed to 3793-S. Same capacity, different lug arrangement.

**MODEL 57**

Service Bulletin No. 159-A

Approximate Date of Change	Run No.	CHANGES
7-15-33	4	Power Transformer ① changed from Part No. 32-7046 to 32-7064. No change in electrical characteristics, only in mounting arrangement.
9-15-33	6	Waveband Switch ④ changed from Part No. 42-1027 to 42-1043.
11-15-33	..	Electrolytic Condenser ③ changed from Part No. 30-2004 to 30-2013. Same capacity, 4 and 8 mfd.; different style mounting only. +4 mfd. terminal is green; +8 mfd. is red; negative is black.

**MODEL 58**

Service Bulletin No. 181

Approximate Date of Change	Run No.	CHANGES
2-1-34	2	Center tap of filament winding (black-yellow tracer) secondary of Power Transformer connected to one side of dial lamp. Other side of dial lamp grounded.

**MODEL 60**

Service Bulletin No. 164-A

Approximate Date of Change	Run No.	CHANGES
8-15-33	3	Filter Condenser ③, 30-4013, replaced by 30-4063. The new Condenser has an additional section, .2 mfd. (red and yellow lead) connected in parallel with Resistor ④ (6A7 Cathode Bias).
9-15-33	4	Electrolytic Condenser ③, Part No. 7553, replaced by 30-2024. Electrolytic Condenser ④, Part No. 7553, replaced by 30-2025. These are later type Condensers, all of the same capacity (8 mfd.).
10-1-33	4	Part ③, Compensating Condenser 04000-S, removed; Mica Condenser, Part No. 7007 (.0014 mfd.), added, from 3rd terminal of Waveband Switch (Resistor ① is across 1st and 2d) to grounded terminal of Condenser ③.
11-15-33	6	Following changes made to improve selectivity:

No. in Bulletin	Item	Original Part	New Part
①	1st I.F. Transformer	32-1049	32-1304
②	2d I.F. Transformer	32-1050	32-1305
..	Compensating Condenser (2d I.F. Secondary)	.....	04000-M
⑦	Compensating Condenser (1st I.F. Primary)	04000-M	04000-A
⑧	Compensating Condenser (1st I.F. Secondary)	04000-A	04000-M
⑨	Compensating Condenser (2d I.F. Primary)	04000-M	04000-A
8-1-34	..	Resistors ⑩ and ⑪ changed from Part No. 4518 (½ watt) to Part No. 6098 (½ watt). This facilitates assembly of set in factory.	
8-15-34	7	Following changes made to improve sensitivity:	
No. in Bulletin	Remove	Add	Location
..	.....	Wavetrap 38-6073	In series with Antenna Post
⑩	Resistor 7217 (200 ohms)	Resistor 33-3010 (300 ohms)	See diagram

**MODEL 60—Continued**

Approximate Date of Change	Run No.	CHANGES	
No. in Bulletin	Remove	Add Location	
⑫	Condenser 4989-Z	.....	See diagram
..	.....	Resistor 33-3016 (400 ohms)	78 Cathode to Ground
..	.....	Condenser 30-4020 (.05 mfd.)	78 Cathode to Ground
⑬	Resistor 3656 (25,000 ohms)	Resistor 33-1027 (39,000 ohms)	See diagram
⑭	Resistor 4412	.....	See diagram
⑮	Resistor 4518 (50,000 ohms)	Resistor 6099 (.1 meg.)	See diagram
⑯	Resistor 4517 (.5 meg., ½ watt.)	Resistor 6097 (.5 meg., ½ watt.)	See diagram
⑰	Compensator 04000-M	Compensator 04000-J	See diagram
⑱	Filter Block 30-4063 (.05, —.09, —.09, —.5, —.2, last section not used)	Filter Block 30-4217 (.05, —.09, —.09, —.5)	See diagram
12-1-34	..	Suppressor grid of 78 Tube disconnected from cathode and connected direct to ground. Permits use of 78-E (European) tube interchangeably with regular 78.	

**MODEL 66**

Service Bulletin No. 197

Approximate Date of Change	Run No.	CHANGES
7-15-34	9	Wavetrap changed from part No. 33-5199 to 33-5994. New Wavetrap is of improved construction and easier mounting.
7-15-34	9	Compensating Condenser ③ changed from Part No. 04000-M to 04000-J, and ④ changed from 04000-M to 04000-A. A Mica Condenser, Part No. 30-1029 (.0005 mfd.) is connected across ③. These changes make compensating adjustments easier.
8-1-34	9	Tone Control changed from Part No. 30-4192 to 30-4212. The new Control gives improved response to high notes.
8-1-34	9	A 20,000-ohm Resistor (Part No. 6650) added, connected between arm of waveband switch and the grounded junction of ③ and ④. A 70-ohm Flexible Resistor is added (Part No. 33-3027) between Mica Condenser ③ and the upper end of the Oscillator Transformer ⑤ plate winding. These changes reduce possibility of oscillation at upper end of shortwave band.
11-1-34	12	⑥, Tubular Condenser, 30-4170 (.1 mfd.), replaced by 3615-BM (twin .05, equivalent to .1, bakelite block type). The latter is of higher working voltage.
12-1-34	..	Suppressor Grid disconnected from cathode of 78 tube and connected direct to ground. This permits use of 78-E (European type tube) interchangeably with 78.

**MODEL 84**

Service Bulletin No. 178

Approximate Date of Change	Run No.	CHANGES
2-1-34	2	Center Tap Lead (black-yellow tracer) from filament winding of power transformer is eliminated; one side of filaments and pilot lamp are grounded.

**MODEL 89**

Service Bulletin No. 146

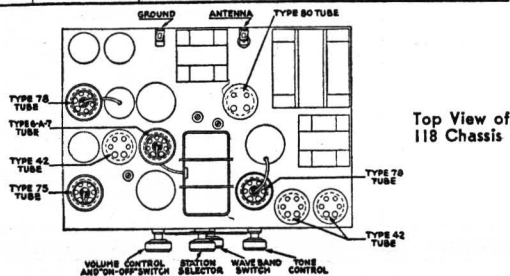
Approximate Date of Change	Run No.	CHANGES
3-15-33 (Changed to Code 123) Run 1	5	Antenna Coil ② changed from Part No. 06619 to 32-1062. Detector Transformer changed from Part No. 06662 to 32-1063. Volume Control and On-Off Switch, 33-5004, replaced by Volume Control only, Part No. 33-5007. Tuning Condenser assembly changed from 06577 to 31-1010. Combined On-Off and Waveband Switch added, 42-1002. The above changes permit police and airplane reception.
6-15-33	..	Condenser ③, 3615-E, changed to 3615-BF. This is a change in lug arrangement for mounting only. Speaker Field Coil assembly changed from Part No. 02761 to 02741.
10-15-33	3 (Code 123)	1st I.F. Transformer ① changed from Part No. 06621 to Part No. 31-1289. Black and red leads to Transformer reversed.

MODEL 89—Continued

Approximate Date of Change	Run No.	CHANGES
10-15-33	3	Resistor Ⓞ changed from Part No. 3525 (32,000 ohms) to Part No. 33-1027 (39,000 ohms). Condenser Ⓞ, Part No. 4989-W (.09 mfd. with 200-ohm resistor), changed to 4989-AG (.09 mfd. with 300-ohm resistor).
11-15-33	5	Tuning Condenser changed to Part No. 31-1059.
11-15-33	7	Type K-21 Speaker used with Model 89 instead of K-7. Condenser Ⓞ, 3615-BF, is now removed.
12-1-33	9	Condenser 3G15-L (not shown in diagram) removed. Condenser 4989-AG (.09 mfd. with 300-ohm resistor) removed. Above 3 parts replaced by Condenser 4989-H (twin .09 mfd.) and Flexible Resistor 33-3010 (300 ohms) added from cathode of R.F. socket and ground.
7-15-34	13	Compensating Condenser Ⓞ changed from 04000-M to 31-6024. New Condenser is of improved design.
9-1-34	14	Type 77 Detector - Oscillator Tube now used instead of type 36. This gives more stable results and requires following changes: Six-hole tube socket instead of five-hole.
12-1-34	..	Resistor Ⓞ, Part No. 6208 (10,000 ohms), changed to 33-1114 (8,000 ohms). Condenser Ⓞ, Part No. 8174-B (.05 and .0007 mfd.), changed to 8322-B (.05 and .0014).
12-1-34	..	Suppressor Grid of type 44 tubes removed from connection to cathode and connected direct to ground.
12-15-34	16	Volume Control, 33-5007, and combined On-Off and Waveband Switch, 42-1002, replaced by combined On-Off Switch and Volume Control, 33-5004, and Waveband Switch, 42-1040. This simplifies operation of the set.

MODEL 118 Service Bulletin No. 194

Corrections in Bulletin 194:  
Incorrect cut was used by printer for Fig. 2 of this bulletin. Correct illustration is shown herewith.



7-1-34	8	On Schematic (Fig. 2), arrow on Ⓞ should point to the nearby Compensating Condenser instead of the 1.0 mfd. Condenser section, which should be Ⓞ. Ⓞ should point to the .003 mfd. Mica Condenser. Also a connection should be made between the 6A7 Oscillator Plate and the lead from the Screen Grids of the two type 78 tubes. Following parts changed to facilitate wiring in production. Note that Resistors are not changed in value but in power rating only.
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No. on Bulletin	Old Part	New Part
Ⓞ Condenser	3615-BK	3615-AU
Ⓞ Condenser	3615-D	3615-AP (twin)
Ⓞ Resistor	4517	6097
Ⓞ Resistor	4412	33-1000
Ⓞ Resistor	5385	33-1115
Ⓞ Resistor	4518	6098
Ⓞ Resistor	5872	33-1025
Ⓞ Shadowmeter	6497	45-2028
Ⓞ Resistor	4517	6097
Ⓞ Resistor	4409	33-1096
Ⓞ Resistor	4410	33-1097
Ⓞ Resistor	4411	6099
Ⓞ Resistor	4579	30-1031
Ⓞ Condenser	30-4020	Included in Ⓞ

MODEL 118—Continued

Approximate Date of Change	Run No.	CHANGES
12-1-34	..	Suppressor Grids of 78 tubes connected direct to ground instead of to its corresponding cathode in each case. This makes use of European (78-E) tubes interchangeable with standard 78.

MODEL 144 Service Bulletin No. 193

7-1-34	6	Correction in Bulletin: In Fig. 2 (Schematic) Condenser Ⓞ should be marked .02 mfd. Electrolytic Condenser Ⓞ changed from Part No. 30-2020 to 30-2026. Same capacity, but higher working voltage and greater safety factor.														
8-1-34	7	Filter Choke Ⓞ changed from Part No. 5930 to Part No. 32-7018. Same value.														
10-15-34	Change to Code 125	Code 125 uses a different type Condenser and Drive Assembly and different design of Scale Illumination Change. The following major replaceable parts are different: <table border="1"> <thead> <tr> <th>Item</th> <th>New Part No. (Code 125)</th> </tr> </thead> <tbody> <tr> <td>Tuning Condenser</td> <td>31-1353</td> </tr> <tr> <td>Dial Assembly</td> <td>31-1363</td> </tr> <tr> <td>Shadowmeter</td> <td>6497</td> </tr> <tr> <td>Pilot Lamp (4 used)</td> <td>34-2031</td> </tr> <tr> <td>Knob (station selector)</td> <td>27-4139</td> </tr> <tr> <td>Knob (fine tuning)</td> <td>27-4140</td> </tr> </tbody> </table>	Item	New Part No. (Code 125)	Tuning Condenser	31-1353	Dial Assembly	31-1363	Shadowmeter	6497	Pilot Lamp (4 used)	34-2031	Knob (station selector)	27-4139	Knob (fine tuning)	27-4140
Item	New Part No. (Code 125)															
Tuning Condenser	31-1353															
Dial Assembly	31-1363															
Shadowmeter	6497															
Pilot Lamp (4 used)	34-2031															
Knob (station selector)	27-4139															
Knob (fine tuning)	27-4140															
11-15-34	..	Shadowmeter Ⓞ changed from 6497-W to 45-2052.														

MODEL 200 Service Bulletin No. 201

10-15-34	..	Center tap removed from Power Transformer Ⓞ. In case of replacement of this Transformer it will be necessary to ground one side of the heater winding if the replacement Transformer has no center tap. If already grounded and replacement Transformer has center tap, lead should be taped or wired in to remove ground.
12-1-34	..	Suppressor Grid of 78 tubes connected to ground instead of to its corresponding cathode in each case. This was done to permit use of 78-E (European) tubes interchangeably with American 78's. Corrections: Parts List (Page 3): The I.F. Compensating Condensers were listed as being a part of the I.F. Transformer. This is not correct. Parts Nos. of I.F. Compensators are:

- 1st I.F. (combines Ⓞ and Ⓞ), 31-6029 ... List price \$0.50
- 2nd I.F. (combines Ⓞ and Ⓞ), 31-6029 ... List price .50
- 3rd I.F. (combines Ⓞ and Ⓞ), 31-6030 ... List price .50

MODEL 201 Service Bulletin No. 209

11-1-34	..	Wirewound Resistor Ⓞ changed. An additional tap is added 25 ohms from ground end. This tap is connected to cathode of 37 tube which was previously connected direct to ground. Values of the other two sections of the Resistor will be 3,500 and 4,200 ohms. Part No. of Resistor does not change (33-3182).
12-1-34	..	Suppressor Grids of 78 tubes connected to ground instead of to the corresponding cathode in each case. Permits use of European (78-E) tubes interchangeably with 78's. Corrections: I.F. given on Schematic (Fig. 2) should be 260-KC (not 460). Parts List (Page 3): The I.F. Compensating Condensers are wrongly listed as being a part of the I.F. Transformers. Correct Part Nos. of I.F. Compensators are:
1st I.F. (combines Ⓞ and Ⓞ), 31-6029 ... List price \$0.50		
2nd I.F. (combines Ⓞ and Ⓞ), 31-6029 ... List price .50		
3rd I.F. (combines Ⓞ and Ⓞ), 31-6030 ... List price .50		