



TECHNICAL BULLETIN

SUBJECT:- Summary of Change Notices
30-5-47 to 17-9-47.

15-8-47 Current Models:- In the less critical positions of the circuits of current models, resistors with a tolerance of plus or minus 15% are being used in place of the resistors with the standard tolerance of plus or minus 10%. The 15% resistors are marked with a white spot.

Reason for change:-The use of 15% resistors is only temporary while 10% resistors are in short supply.

15-8-47 Model KM:- A different type 1st and 2nd I.F. transformer part No. PT833 and PT835 are being used in place of the standard type I.F. transformers while parts required for the manufacture of the standard types are in short supply. Full details are covered on Service Bulletin Sheet G-5.

21-8-47 Model FP:- A 180 ohm $\frac{1}{2}$ watt resistor part No. PR639 is being wired in the oscillator plate lead from the socket to the switch contact to prevent oscillation at 16 Mcs. with some 6J8GA tubes.

29-8-47 Model MK:- The air-cored oscillator coil has been changed to a variable iron core type. A new series pad condenser and dial reading are required. Full details are covered on Service Bulletin Sheet MK/MN-2.

Reason for change:-Improved type oscillator coil and standardisation of parts.

1-9-47 Dial Lamp PM450:- Substitute dial lamp 6-8 volt 3 watt type 59 part No. M142 is being used in lieu of 6-8 volt 4 watt 3CP type 63 part No. PM450. The AC/DC model JQ may use two of either of these types but not one of each.

Reason for change:-Supply position.

3-9-47 Models KN, BQC,
and CQM:- A 200MFD electrolytic condenser part No. PC710 and a 300MFD electrolytic condenser part No. PC711 wired in parallel are being used in place of the 500MFD electrolytic condenser part No. PC295.

Reason for change:-Shortage of 500MFD electrolytic condensers.

9-9-47 Model BQC:- The air-cored broadcast oscillator coil has been changed to a variable iron core type oscillator coil. A new series pad condenser is required. Full details are covered on Service Bulletin Sheet BQC/BQM-3.

Reason for change:-Improved type oscillator coil and standardisation of parts.



RADIO CORPORATION PTY. LTD.

DIVISION OF ELECTRONIC INDUSTRIES LTD.

126-130 GRANT STREET, SOUTH MELBOURNE, S.C.A.

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General (G).

Date: 1/6/47.

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SUBJECT—Summary of Change Notices. 18/11/46 to 1/6/47.

28/11/46 Models JL and JM.

A 40,000 ohm carbon resistor tol. $\pm 10\%$ $\frac{1}{2}$ watt part No. PR251 is to be wired across the oscl. coil secondary when type EK32G converter tubes are used as detailed on Service Bulletin Sheet JL/JM-3.

Reason: To reduce oscl. grid current.

2/12/46 Model KP.

A type 1Q5GT tube is being used in place of the type 3V4 tube. Full details are covered on Service Bulletin Sheet KP-2.

Reason: Type 3V4 tubes in short supply.

5/12/46 Model KP.

A valve shield part No. 38/635 has been added to the type 1R5 converter tube to prevent instability.

10/1/47 Models Various.

A different type 1st and 2nd IF. transformer part numbers PT827 and PT828 respectively are being used as direct substitutes for the standard type 1st IF. trans. part numbers PT461, PT386, PT753 and 2nd IF. trans. part numbers PT462 and PT387. Full details are covered on Service Bulletin sheet G-4.

20/1/47 Model KP.

A type 3Q4 tube is being used in place of the type 3V4 tube. Full details are covered on Service Bulletin Sheet KP-4.

Reason: Type 3V4 tubes in short supply.

19/2/47 Models, Various.

The valve shield consisting of two parts—body section, part No. 162/30A and clamp, part No. 161/30A has been changed to the ST. bulb form fitting type, part number PM217.

28/2/47 Model MP.

The 5,000 ohm resistor, Part No. PR250 circuit No. 47 has been changed to a 7,000 ohm resistor tol. $\pm 10\%$ $\frac{1}{2}$ watt part, No. PR247.

Reason for change: To reduce bass response.

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- 4/3/47 Model MP. The cabinet silk has been changed to cabinet weave material, part No. 8/633 colour-Autumn brown.
- 7/3/47 Model MP. The tone control switch part, number S121 has been changed to a switch of the same type with a shorter shaft. New switch part No. PM597.
Reason: Standardization.
- 12/3/47 Model MP. The phono/radio switch, part No. PM546 has been changed to a different switch, part No. S128. Parts required for mounting new switch are:-
1 off mount bracket Part No. 5/633
1 off knob " " 77/81
1 off knob spring " " 17/81
1 off felt washer " " 6/622
2 off screws $\frac{1}{2}$ " x 5/32" " " 16/560-38
Reason for change: Toggle switch not obtainable
- 13/3/47 Models JL and JM. The oscl. trim. cond., part No. PC663 has been changed to a different type trimmer, part No. PC417. 2-30MMFD. a bracket, part No. A102/307 is required for mounting this new part.
Reason for change: To overcome freq. drift
- 2/4/47 Models JJ, MK, and MJ. The dial drum part, No. A103/612 has been changed to dial drum part, No. A102/617.
Reason for change: Standardization.
- 2/4/47 Model JQ. The dial reading, part No. 16/636 has been changed to a new type, part No. 7/616.
Reason for change: Standardization.
- 27/4/47 Models, Various. A different type 1st, 2nd and 3rd IF. transformer is being used in place of the standard type IF. transformers, full details are covered in Service Bulletin Sheet G-5.
- 1/5/47 Model KN. A form fitting valve shield, part No. PM217, and shield earth contact, part No. 22/30C are required on the converter tube type 1C7G when using the substitute IF. transformers as quoted on Service Bulletin Sheet G-5.



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15/5/47 Model KN.

Two resistors have been added to the filament wiring of this model. Full details are covered on Service Bulletin Sheet KN-2.

Reason for change: To prevent side band flutter on shortwave.

16/5/47 Model JJ.

The glass dial reading, part No. 2/620 has been replaced with a more accurate dial reading part, No. 7/620.

19/5/47 Model LJ.

A type 3Q4 tube is being used until such time as type 3V4 tubes are available. The socket wiring for the 3Q4 tube is different to the 3V4 tube. Full details are covered on Service Bulletin Sheet LJ-2.

20/5/47 Model JJ.

Two 6.3V. .15 amp. dial lamps, part No. PM127 or two 6.3V .25 amp. dial lamps, part No. PM678 are being used instead of one large dial lamp 6-8V. 3CP. PM450., Reason for change: Large dial lamp PM450 not obtainable.

27/5/47 Models FP, MP, JJ and LS.

A type 6A8GA tube is being used as a direct replacement for the type 6J8G tube in models FP and MP and in models JJ and LS when a 6J8G and 6G8G are used in combination. The 6J8GA tube is identical with a 6J8G tube except for the filament which is 450 M/a.

Reason: Improved type tube.

28/5/47 Models JL and JM.

A type OZ4 tube is being used as a direct replacement for the OZ4G tube. No valve shield is required.

Reason: Shortage of OZ4G tubes.

30/5/47 Models, Various
(Choke part No. PT108).

The laminated B+ choke, part No. PT108 used on various vibrator models has been isocored with insulating strips.
Insulating strip Part No. 11/405-1 1 off
Washer-formed fibre

Nuts, $\frac{1}{8}$ " Whit.	"	"	1/231	2 off
Int. Shakeproof Washer	"	"	3/478-2	2 off

Screw, $\frac{5}{8}$ " \times $\frac{1}{8}$ " RD. HD.	"	"	1/562-3	2 off
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Washer, Metal	"	"	10/560-14	2 off
	"	"	20/57	2 off

Reason for change: Prevent electrolysis.



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- 11-6-47 Model JQ:-
Circuit components deleted-
.02MFD condenser circuit No. 12.
1,500 ohm resistor circuit No. 53.
Circuit components added-
8MFD electrolytic condenser circuit No. 82.
Circuit components changed-
1,500 ohm resistor circuit No. 52 changed to
3,000 ohm.
75,000 ohm resistor circuit No. 43 changed to
20,000 ohm.
425MMFD padder condenser changed to 460 MMFD.
These changes have been incorporated in the first
production run and are fully detailed with a
revised circuit on Service Bulletin Sheet JQ-2.
Reason for changes:-Improve tone and filtering.
- 11-6-47 Model KL:-
60,000 ohm resistor circuit No. 32 changed to a
20,000 ohm resistor $\frac{1}{2}$ watt part No. PR166.
60,000 ohm resistor circuit No. 33 changed to a
40,000 ohm resistor 1 watt part No. PR198.
Reason for change:-Variations in screen current
of different batches of 6A8G tubes.
- 23-6-47 Model MN:-
The air-cored oscillator coil has been changed to
a variable iron core type. A new series pad is
required. Full details are covered on Service
Bulletin Sheet MK/MN-2.
Reason for change:-Improved type oscillator coil
and standardisation of parts.
- 23-6-47 Model LJ:-
A different type I.F. transformer part No. PT835
is being used in place of the standard type I.F.
transformer part No. PT387 in all three positions
on the model LJ receiver.
Reason for change:-Parts required for manufacture
of PT387 transformer in short supply.
- 24-6-47 Model FP:-
The air-cored broadcast oscillator coil has
been changed to a variable iron core type.
A new series pad and dial reading are required.
Full details are covered on Service Bulletin
Sheet FP-2.
Reason for change:-Improved type oscillator
coil and standardisation of parts.

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30-6-47 Models JL & JM:- 1,500 ohm 1 watt resistor circuit No. 47 changed to a 2 watt 1,500 ohm resistor consisting of two 30,000 ohm resistors 1 watt part No. PR295 wired in parallel.

A 100 ohm 1 watt resistor part No. PR519 and an 8MFD electrolytic condenser part No. PC313 are added to the B+ circuit. Full details are covered on Service Bulletin Sheet JL/JM-5.

Reason for change:-Improve filtering.

7-7-47 Model LS:-

The air-cored oscillator coil has been changed to a variable iron core type. A new series pad condenser is required. Full details are covered on Service Bulletin Sheet LS-3.

Reason for change:-Improved type oscillator coil and standardisation of parts.

10-7-47 Model JQ:-

A type 25Z5 tube used in place of the type 25L6GT/G rectifier tube. A 6-pin socket part No. PM212 is required for the 25Z5 tube. Full details are covered on Service Bulletin Sheet JQ-3.

Reason for change:-Shortage of type 25L6GT/G tubes.

10-7-47 Model MP:-

To prevent oscillation at 16 Mcs. with a 6J8GA tube a 200 ohm resistor circuit No. 78 part No. PR176 has been inserted in the oscillator plate lead.

To improve the tone on this model the inverse feedback circuit has been revised.

Full details are covered on Service Bulletin Sheet MP-3.

28-7-47 Model JQ:-

The .002MFD condenser circuit No. 14 is to be wired from the output tube plate to the B+ line instead of from plate to chassis.

Reason for change:-Prevent audio oscillation.

4-8-47 Model FP:-

A different type 1st and 2nd I.F. transformer part Nos. PT827 and PT828 are being used in place of the standard type I.F. transformers. Full details are covered on Service Bulletin Sheet G-5.

Reason for change:-Parts required for manufacture of standard type I.F. transformer in short supply.

SUBJECT- Summary of Change Notices

30-5-47 to 17-9-47

9-9-47 Models MK, MN, The $\frac{1}{2}$ watt resistors in the B+ circuits of these
 LJ, KP, KN, and models have been changed to 1 watt resistors as
 BQC:- below.

	Circuit No.	Description	Part No.	
			$\frac{1}{2}$ Watt	1 Watt
Models MK/MN	25	1.75 Megohm resistor	PR248	PR297
	30	.25 " "	PR249	PR496
	31	200,000 ohm "	PR255	PR414
	34	50,000 " "	PR160	PR115
	35	50,000 " "	PR160	PR115
Model LJ.	31	3 Megohm resistor	PR282	PR410
	32	3 " "	PR282	PR410
	35	1 " "	PR246	PR520
	40	7,000 ohm "	PR247	PR640
Model KP.	25	.5 Megohm resistor	PR245	PR277
	27	60,000 ohm "	PR125	PR415
	29	10,000 " "	PR164	PR325
Models KN/BQC	57	.5 Megohm resistor	PR245	PR277
	61	.25 " "	PR249	PR496
	63	70,000 ohm "	PR256	PR617
	67	10,000 " "	PR164	PR325
	68	10,000 " "	PR164	PR325
	69	5,000 " "	PR250	PR304

17-9-47 Model KN:-

The air-cored broadcast oscillator coil has been changed to a variable iron core type oscillator coil. A new series pad condenser and dial reading are required. Full details are covered on Service Bulletin Sheet KN-3.

Reason for change:-Improved type oscillator coil and standardisation of parts.

Model LS:-

A 40,000 ohm $\frac{1}{2}$ watt resistor part No. PR251 is to be wired across the 10,000 ohm resistor used in place of the 60,000 ohm resistor circuit No. 37 when using 6J8G and 6G8G tubes in combination in place of the 6A8G and 6B8G tubes.