



# RADIO CORPORATION PTY. LTD.

DIVISION OF ELECTRONIC INDUSTRIES LTD.

126-130 GRANT STREET, SOUTH MELBOURNE, S.C.4.

## TECHNICAL BULLETIN

BULLETIN DQ-1.  
BULLETIN DQM-1.  
BULLETIN DQP-1.  
BULLETIN DQQ-1.

File:--Receivers  
Vibrator.

Date: 20/3/47.

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SUBJECT--

Model (951) "DQ" Console

Model (851) "DQM" Mantel

Model "DQP" Mantel

Model "DQQ" Mantel

For operation from:--

A 6 Volt Accumulator

This Bulletin Contains:--

1. Technical Specifications
2. General Description
3. Alignment Procedure
4. Circuit Diagram
5. Voltage Table
6. Component Parts List
7. Coil and IF. Transformer Connections
8. Summary of Circuit Changes Made During the Production of These Receivers

**These Receivers are NOT in Production**

**Information is for Service Purposes ONLY**

SUBJECT-Technical Specifications-Receiver type "DQ", "DQM", "DQP", "DQQ".

Tube Complement:- Type 1C7G Converter.  
Type 1M5G IF. Amplifier.  
Type 1M5G IF. Amplifier.  
Type 1K7G 1st Audio, AVC., and Detector.  
Type 1L5G Power Output Amplifier.

Intermediate Frequency:- 455 Kcs.

Tuning Range:- Broadcast 540 Kcs. (Kilocycles) to 1640 Kcs.  
555 M. (Meters) to 182.9 M.  
Shortwave 7 Mcs. (Megacycles) to 22 Mcs.  
43 M. (Meters) to 13.6 M.

Calibration:- Straight Line Frequency.

Battery Supply:- 6 Volt Accumulator.

Battery Consumption:- 1.25 Amps (does not include dial lamps).

Power Output:- .5 Watt (undistorted).

Vibrator:- Self Rectifying, Synchronous Type.

General Description:-

The Console Model "DQ" and Mantel Models "DQM", "DQP" and "DQQ" are 5 tube dual wave superheterodyne receivers designed to operate from a 6 volt accumulator.

The overall sensitivity is 5 microvolts on broadcast and 20 microvolts on shortwave for 50 milliwatts output with a load impedance of 15,000 ohms.

The circuit consists of a pentagrid converter, two IF. stages, a duo diode pentode driver stage followed by a power output amplifier.

Full AVC. developed across resistors (circuit numbers 52 and 55) is applied to the converter stage on broadcast only. Approximately two-thirds AVC. is applied to the two IF. stages on both bands.

Inverse feedback and bass boost is applied through the path provided by resistor (circuit number 56) and condenser (20).

The tone control which is combined with the battery switch operates in the grid circuit of the output tube and comprises circuit components 17, 19 and 95.

The filaments of the tubes are wired across the 6 volt supply in a series parallel circuit which provides maximum protection for the remaining tubes in the event of a filament open circuiting. Bias is determined by the position of the tube in the filament circuit.

High tension is supplied from a 6 volt synchronous self rectifying vibrator in conjunction with a transformer (circuit number 79) and a 6 volt accumulator.



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SUBJECT-Alignment Procedure-Models "DQ", "DQM", "DQP" and "DQQ".

### Equipment:-

Signal Generator.  
Dummy Antenna:-  
    .01MFD. Mica Capacitor.  
    .0002MFD. Mica Capacitor.  
    400 Ohm Non-Inductive Resistor.  
Output Meter.  
Alignment Tool.

### Alignment Conditions:-

Load Impedance - 15,000 Ohms.  
Output Level - 50 Milliwatts.  
Volume Control - Full on (clockwise).  
Tone Control - High Tone Position.  
Battery Supply - 6 Volt Accumulator.

### Alignment:-

Intermediate Frequency-455 Kcs.

Do not use a screwdriver or alignment tool with an iron point for aligning IF. transformers. A special tool part number PM581 is obtainable from the factory, or failing this an insulated rod with a small brass blade may be used.

### Tuning Range:-

Broadcast Band 540-1640 Kcs.  
Shortwave Band 7-22 Mcs.

Set the dial pointer on the end of travel mark on the dial calibration near 550 Kcs. (condenser gang plates fully meshed).

SUBJECT-Alignment Instructions.

| Operation No.                                         | Generator Connection                   | Frequency | Dummy Antenna                                            | Instructions                                                                                                                  |
|-------------------------------------------------------|----------------------------------------|-----------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <u>Turn Wave Change Switch to Broadcast Position</u>  |                                        |           |                                                          |                                                                                                                               |
| 1.                                                    | To grid of 1M5G tube (circuit No. 80). | 455 Kcs.  | .01MFD. Mica capacitor in series with generator.         | Leave grid cap on tube. Peak 3rd IF. transformer primary and secondary.                                                       |
| 2.                                                    | To grid of 1M5G tube (circuit No. 79). | 455 Kcs.  | .01MFD. Mica capacitor in series with generator.         | Leave grid cap on tube. Peak 2nd IF. transformer primary and secondary.                                                       |
| 3.                                                    | To grid of 1C7G tube.                  | 455 Kcs.  | .01MFD. Mica capacitor in series with generator.         | Leave grid cap on tube. Gang plates full out. Peak 1st IF. transformer primary and secondary.                                 |
| 4.                                                    | To antenna terminal.                   | 1400 Kcs. | .0002MFD. Mica capacitor in series with generator.       | Turn dial pointer and gang to 1400 Kcs. Adjust B/cast. oscillator trimmer for logging and peak B/cast. aerial coil trimmer.   |
| 5.                                                    | To antenna terminal.                   | 600 Kcs.  | .0002MFD. Mica capacitor in series with generator.       | Turn dial pointer and gang to 600 Kcs. Peak B/cast. series padder rocking gang to and fro through the signal while adjusting. |
| <u>Turn Wave Change Switch to Shortwave Position.</u> |                                        |           |                                                          |                                                                                                                               |
| 6.                                                    | To antenna terminal.                   | 18 Mcs.   | 400 Ohm non-inductive resistor in series with generator. | Turn dial pointer to 18 Mcs. Adjust S/wave. oscillator trimmer for logging and peak S/wave. aerial coil trimmer.              |
| 7.                                                    | To antenna terminal.                   | 10 Mcs.   | 400 Ohm non-inductive resistor in series with generator. | Check tracking.                                                                                                               |



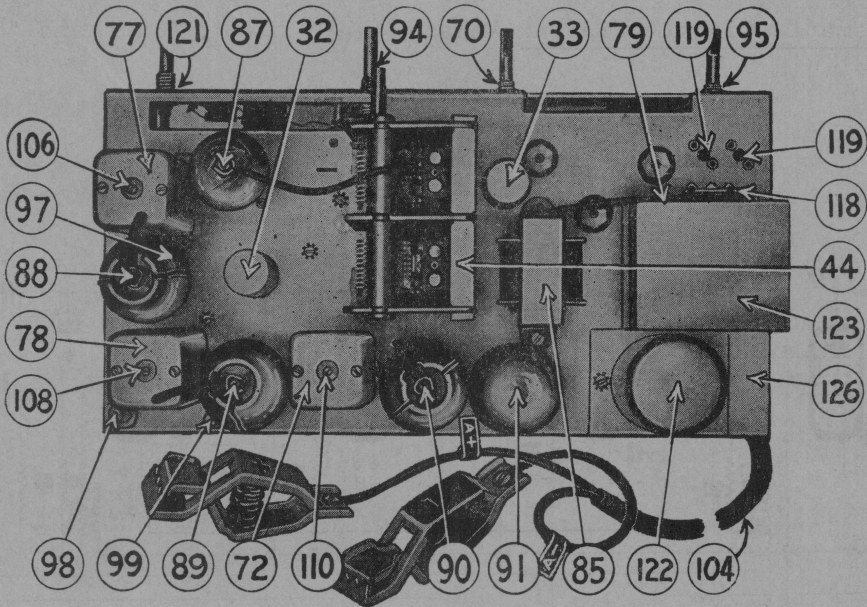
BULLETIN DQ-1.  
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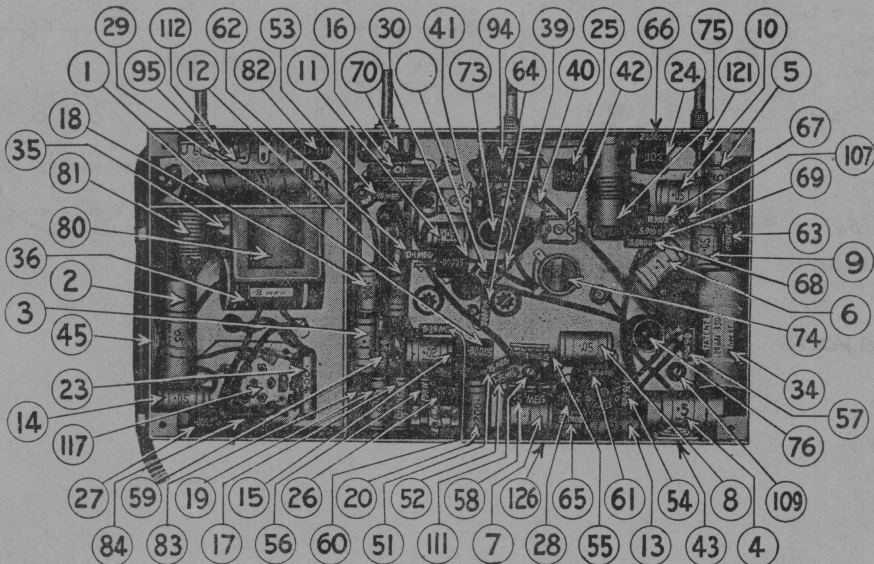
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SUBJECT—Top View of Chassis—Models "DW", "DQM", "DQP" and "DQQ".



Bottom View of Chassis—Models "DQ", "DQM", "DQP" and "DQQ".





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SUBJECT-Voltage Table-Models "DQ", "DQM", "DQP" and "DQQ".

### Equipment:-

DC. Volt Meter-1,000 Ohms per volt with 0-250 and 0-10 volt scales.

DC. Ammeter 0-2 amp scale.

### Conditions of Test:-

All voltages measured from tube socket contacts to chassis.  
Receiver tuned to 1,000 Kcs. Volume control full on (clockwise) no signal. Accumulator voltage 6 volts.

| Tube | Plate | Screen | Grid | Osc. Plate |
|------|-------|--------|------|------------|
| 1C7G | 150V. | 35V.   | -    | 90V.       |
| 1M5G | 155V. | 17V.   | -    | -          |
| 1M5G | 155V. | 57V.   | 2V.  | -          |
| 1K7G | 35V.  | 47V.   | 2V.  | -          |
| 1L5G | 150V. | 155V.  | 4V.  | -          |

NOTE:-Grid voltages derived from voltage drop across filaments.

Battery Consumption:- 1.25 Amps (does not include dial lamps).

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SUBJECT-Component Parts List-Models "DQ", "DQM", "DQP" and "DQQ".

| Circuit No. | Part Name                                                | Tol.± | Rating    | Part No.            |
|-------------|----------------------------------------------------------|-------|-----------|---------------------|
| 1.          | 1MFD. Paper Condenser                                    | 20%   | 200V. DCW | PC182               |
| 2.          | .85MFD. Paper Condenser                                  | 20%   | 100V. DCW | PC267               |
|             | 1MFD. Paper Condenser                                    |       |           | changed to          |
| 3.          | .1MFD. Paper Condenser                                   | 20%   | 200V. DCW | PC182               |
| 4.          | .5MFD. Paper Condenser                                   | 20%   | 400V. DCW | PC103               |
| 5.          | .5MFD. Paper Condenser                                   | 20%   | 200V. DCW | PC121               |
| 6.          | .1MFD. Paper Condenser                                   | 20%   | 200V. DCW | PC121               |
| 7.          | .1MFD. Paper Condenser                                   | 20%   | 200V. DCW | PC218               |
| 8.          | .05MFD. Paper Condenser                                  | 20%   | 200V. DCW | PC218               |
| 9.          | .05MFD. Paper Condenser                                  | 20%   | 400V. DCW | PC109               |
| 10.         | .05MFD. Paper Condenser                                  | 20%   | 400V. DCW | PC109               |
| 11.         | .05MFD. Paper Condenser                                  | 20%   | 400V. DCW | PC109               |
| 12.         | .05MFD. Paper Condenser                                  | 20%   | 200V. DCW | PC102               |
| 13.         | .05MFD. Paper Condenser                                  | 20%   | 200V. DCW | PC102               |
| 14.         | .05MFD. Paper Condenser                                  | 20%   | 200V. DCW | PC102               |
| 15.         | .02MFD. Paper Condenser                                  | 20%   | 200V. DCW | PC102               |
| 16.         | .01MFD. Paper Condenser                                  | 20%   | 400V. DCW | PC111               |
| 17.         | .006MFD. Paper Condenser                                 | 20%   | 600V. DCW | PC140               |
| 18.         | .004MFD. Paper Condenser                                 | 20%   | 600V. DCW | PC217               |
| 19.         | .004MFD. Paper Condenser                                 | 20%   | 600V. DCW | PC221               |
| 20.         | .002MFD. Paper Condenser                                 | 20%   | 600V. DCW | PC112               |
| 21.         | .002MFD. Paper Condenser                                 | 20%   | 600V. DCW | PC112               |
| 22.         |                                                          |       |           |                     |
| 23.         | .004MFD. Mica Condenser                                  | 10%   | 2000VW    | PC143               |
| 24.         | .002MFD. Mica Condenser                                  | 5%    | 1000VT    | PC311               |
| 25.         | .001MFD. Mica Condenser                                  | 10%   | 1000VT    | PC108               |
| 26.         | .0003MFD. Mica Condenser                                 | 10%   | 1000VT    | PC212               |
| 27.         | .0003MFD. Mica Condenser                                 | 10%   | 1000VT    | PC212               |
| 28.         | .0002MFD. Mica Condenser                                 | 10%   | 1000VT    | PC124               |
| 29.         | .00005MFD. Mica Condenser                                | 10%   | 1000VT    | PC141               |
| 30.         | .00005MFD. Mica Condenser                                | 10%   | 1000VT    | PC141               |
| 31.         |                                                          |       |           |                     |
| 32.         | 500MFD. Electrolytic Condenser                           | 20%   | 12VP      | PC295               |
| 33.         | 500MFD. Electrolytic Condenser                           | 20%   | 12VP      | PC295               |
| 34.         | 24MFD. Electrolytic Condenser                            | 20%   | 350VP     | PC276               |
| 35.         | 16MFD. Electrolytic Condenser                            | 20%   | 350VP     | PC275               |
| 36.         | 8MFD. Electrolytic Condenser                             | 20%   | 350VP     | PC280               |
| 37.         |                                                          |       |           |                     |
| *38.        | 15MMFD. Wire Wound Condenser (across B/c. oscl. trimmer) |       |           | PC196               |
| 39.         | Oscillator Trimmer W.W. (B/cast.)                        |       |           | PC367               |
|             |                                                          |       |           | changed to<br>PC663 |
| 40.         | Oscillator Trimmer W.W. (S/wave.)                        |       |           | PC367               |
|             |                                                          |       |           | changed to<br>PC663 |

\*Not required when using trimmer PC663.





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SUBJECT--Component Parts List--Models "DQ", "DQM", "DQP" and "DQQ".

| Circuit No. | Part Name                               | Tol. ± | Rating   | Part No.                                |
|-------------|-----------------------------------------|--------|----------|-----------------------------------------|
| 41.         | Antenna Trimmer (B/cast.)               |        |          | PC250                                   |
| 42.         | Antenna Trimmer (S/wave.)               |        |          | PC224                                   |
| 43.         | Variable Series Pad Condenser (B/cast.) |        |          | PC164                                   |
| 44.         | 2 Gang Variable Condenser               |        |          | PC292                                   |
| 45.         | Hash Plate Condenser                    |        |          |                                         |
|             | Mica Strip                              |        |          | 29/216                                  |
|             | Hash Plate                              |        |          | 19A/47                                  |
|             | Holding Down Plate (Bakelite)           |        |          | 19B/47                                  |
| 49.         |                                         |        |          |                                         |
| 50.         |                                         |        |          |                                         |
| 51.         | 1.75 Megohm Carbon Resistor             | 10%    | 1/4 Watt | PR248                                   |
| 52.         | 1.75 Megohm Carbon Resistor             | 10%    | 1/4 Watt | PR248                                   |
| 53.         | 1.75 Megohm Carbon Resistor             | 10%    | 1/4 Watt | PR248                                   |
| 54.         | 1.75 Megohm Carbon Resistor             | 10%    | 1/4 Watt | PR248                                   |
| 55.         | 1 Megohm Carbon Resistor                | 10%    | 1/4 Watt | PR246                                   |
| 56.         | 1 Megohm Carbon Resistor                | 10%    | 1/4 Watt | PR246                                   |
| 57.         | 500,000 Ohm Carbon Resistor             | 10%    | 1/4 Watt | PR245                                   |
| 58.         | 500,000 Ohm Carbon Resistor             | 10%    | 1/4 Watt | PR245                                   |
| 59.         | 500,000 Ohm Carbon Resistor             | 10%    | 1/4 Watt | PR245                                   |
| 60.         | 250,000 Ohm Carbon Resistor             | 10%    | 1/4 Watt | PR496                                   |
| 61.         | 250,000 Ohm Carbon Resistor             | 10%    | 1/4 Watt | PR249                                   |
| 62.         | 100,000 Ohm Carbon Resistor             | 10%    | 1/4 Watt | PR103                                   |
| 63.         | 70,000 Ohm Carbon Resistor              | 10%    | 1/4 Watt | PR256                                   |
| 64.         | 50,000 Ohm Carbon Resistor              | 10%    | 1/4 Watt | PR160                                   |
| 65.         | 50,000 Ohm Carbon Resistor              | 10%    | 1/4 Watt | PR160                                   |
| 66.         | 20,000 Ohm Carbon Resistor              | 10%    | 1/4 Watt | PR166                                   |
| 67.         | 10,000 Ohm Carbon Resistor              | 10%    | 1/4 Watt | PR164                                   |
| 68.         | 10,000 Ohm Carbon Resistor              | 10%    | 1/4 Watt | PR164                                   |
| 69.         | 5,000 Ohm Carbon Resistor               | 10%    | 1/4 Watt | PR250                                   |
| 70.         | 500,000 Ohm Volume Control              |        |          | { PR372<br>changed to<br>PR380          |
| 71.         |                                         |        |          |                                         |
| 72.         | 3rd IF. Transformer                     |        |          | PT387                                   |
| 73.         | Antenna Transformer (B/cast.)           |        |          | PT381                                   |
| 74.         | Antenna Transformer (S/wave.)           |        |          | PT384                                   |
| 75.         | Oscillator Transformer (B/cast.)        |        |          | PT414                                   |
| 76.         | Oscillator Transformer (S/wave.)        |        |          | PT235                                   |
| 77.         | 1st IF. Transformer                     |        |          | PT386                                   |
| 78.         | 2nd IF. Transformer                     |        |          | PT386                                   |
| 79.         | Power Transformer                       |        |          | { PT110<br>changed to<br>PT455<br>PT108 |
| 80.         | Filter Choke (500 Ohms)                 |        |          |                                         |

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| Circuit No. | Part Name                                   | Tol.± | Rating         | Part No. |
|-------------|---------------------------------------------|-------|----------------|----------|
| 81.         | Hash Choke                                  |       |                | PT111    |
| 82.         | Midget Hash Choke                           |       |                | PT439    |
| 83.         | RF. Choke ("B" Supply)                      |       |                | PT109    |
| 84.         | RF. Choke ("B" Supply)                      |       |                | PT109    |
| 85.         | Filter Choke (Filament Supply)              |       |                | PT112    |
| 86.         |                                             |       |                |          |
| 87.         | Type 1C7-G Tube                             |       |                |          |
| 88.         | Type 1M5-G Tube                             |       |                |          |
| 89.         | Type 1M5-G Tube                             |       |                |          |
| 90.         | Type 1K7-G Tube                             |       |                |          |
| 91.         | Type 1L5-G Tube                             |       |                |          |
| 92.         |                                             |       |                |          |
| 93.         | 8 Pin Midget Socket                         |       |                | PM532    |
| 94.         | Wave Change Switch                          |       |                | PM635    |
| 95.         | Tone Control and Battery Switch             |       |                | PM279    |
| 96.         | 6 Pin Synchronous Vibrator                  |       |                | PM413    |
| 97.         | Valve Shields (3) (Goat Type)               |       |                | PM217    |
| 98.         | Aerial Terminal                             |       |                | PM306    |
| 99.         | Earth Terminal                              |       |                | PM306    |
| 100.        | Dial Lamp                                   | 6.3V. | .25A           | PM678    |
| 101.        | Short Wave Indicator Lamp (Console only)    | 6.3V. | .25A           | PM678    |
| 102.        | Permanent Magnet Dynamic Speaker            |       | (Console only) | PM633    |
|             | 15,000 Ohm input                            |       |                |          |
|             | Permanent Magnet Dynamic Speaker            |       | (Mantel only)  | PM631    |
| 102.        | 15,000 Ohm Input                            |       |                |          |
|             |                                             |       |                |          |
| 103.        | 4 Pin Amphenol Socket                       |       | (Console only) | PM125    |
| 104.        |                                             |       |                |          |
| 105.        | Dial Light Switch                           |       |                | PM395    |
| 106.        | 1st IF. Primary Adj. Screw                  |       |                |          |
| 107.        | 1st IF. Secondary Adj. Screw                |       |                |          |
| 108.        | 2nd IF. Primary Adj. Screw                  |       |                |          |
| 109.        | 2nd IF. Secondary Adj. Screw                |       |                |          |
| 110.        | 3rd IF. Primary Adj. Screw                  |       |                |          |
| 111.        | 3rd IF. Secondary Adj. Screw                |       |                |          |
| 112.        | Fuse (1 strand of .0076 tinned copper wire) |       |                |          |
|             | Vibrator Socket Assembly                    |       | A102/58        |          |
|             | Vibrator Grommet (4)                        |       | 64/30A         |          |
|             | Vibrator Mt. Spacer (2)                     |       | 14/218A-3      |          |
|             | Dial Drive Tension Spring (2)               |       | 27/87          |          |
|             | Hash Shield Cover Plate                     |       | 4/216          |          |
|             | Cable Clips (2)                             |       | 44/73          |          |
|             | Single Pin Socket Bottom                    |       | 18/96          |          |
|             | Top                                         |       | 19/96          |          |
|             | Contact                                     |       | 15/58-2        |          |



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|                         |          |
|-------------------------|----------|
| Terminal Strip Assembly | A103/509 |
| Grid Clips              | 873/495  |
| Positive Battery Clip   | 3/245-1  |
| Negative Battery Clip   | 3/245-2  |

### MODEL "DQ"

|                            |            |
|----------------------------|------------|
| Dial Drum Assembly         | A134/87    |
| Manual Drive Assembly      | A103/284   |
| IF. Coupling Shield        | 2/215      |
| Dial Assembly              | A106/285   |
| Dial Track                 | 22/285     |
| Guide Pulley Bracket-Left  | 16/285     |
| Guide Pulley Bracket-Right | 15/285     |
| Glass Diffuser             | 12/285     |
| Dial Reading               | 3/281      |
| Dial Pointer Assembly      | A107/285   |
| Chassis Mount Foot-Left    | A103/215-1 |
| Chassis Mount Foot-Right   | A103/215-2 |
| Dial Support Short         | 9/285      |
| Dial Support Long          | 8/285      |
| Cabinet Type A42           | A106/221   |
| Baffle Board               | 74/221-5   |
| Knobs (4)                  | 53/81      |
| Knob Springs               | 17/81      |
| Shaft Location Strip       | 181/30-C   |
| Battery Board              | 96/221     |

### MODEL "DQM"

|                             |          |
|-----------------------------|----------|
| Dial Drum                   | A134/87  |
| Manual Drive Assembly       | A103/284 |
| Dial Frame                  | A107/281 |
| Dial Track Bar              | 22/285   |
| Dial Uprights               | 21/244   |
| Dial Pointer Assembly       | A109/281 |
| Glass Diffuser              | 4/284    |
| Dial Reading                | 12/284   |
| Speaker Bracket             | 18/216   |
| Speaker Rubber              | 19/216   |
| Dial Light Bracket Assembly | A102/295 |
| Dial Light Socket           | A103/231 |
| Knobs                       | 57/81    |
| Springs-Knobs               | 42/81    |
| Cabinet                     | 40/81-2  |
| Silk Card                   | 35/81    |
| Cabinet Back Bar            | 17/215   |

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SUBJECT-Component Parts List-Models "DQ", "DQM", "DQP" and "DQQ".

MODEL "DQP"

|                            |            |
|----------------------------|------------|
| Dial Drum Assembly         | A109/407   |
| Manual Drive Assembly      | A115/407   |
| Dial Back Assembly         | A110/407-1 |
| Dial Pointer Assembly      | A111/407   |
| Grille Wedges (4)          | 153/221    |
| Dial Glass Clamp Strip (2) | 154/221    |
| Cabinet Type AS42          | 83/221     |
| Grille Bar Assembly-Left   | A102/221   |
| Grille Bar Assembly-Right  | A103/221   |
| Silk Card-Left             | 99/221     |
| Silk Card-Right            | 155/221    |
| Grille Spacing Strips      | 152/221    |
| Knobs                      | 53/81      |
| Knob Springs               | 17/81      |
| Dial Reading               | 19/295     |

MODEL "DQQ"

|                                |          |
|--------------------------------|----------|
| Dial Drum Assembly             | A134/87  |
| Manual Drive Shaft             | A109/295 |
| Condenser Mount Bracket        | 37/295   |
| Dial Frame Assembly            | A110/295 |
| Dial Pointer Assembly          | A112/295 |
| Dial Track                     | 7/589-2. |
| Straining Screws-Dial Track    | 8/589    |
| Dial Frame Mount Strip         | 29/295   |
| Diffuser                       | 46/407   |
| Dial Glass                     | 31/295   |
| Chassis Packers (2)            | 35/295   |
| Silk Card                      | 35/81    |
| Cabinet Feet Assembly (4)      | 17/79    |
| Control Knob (4)               | 40/81-1  |
| Knob Spring (4)                | 42/81    |
| Designation Button-Tuning      | 47/81A   |
| Volume                         | 47/81B   |
| Tone                           | 47/81C   |
| Wave Change                    | 47/81D   |
| Cabinet Back Bar               | 17/215   |
| Control Knob Adaptor (4)       | 44/81    |
| Reflector                      | 47/407   |
| Pilot Lamp Socket Assembly (2) | A108/246 |
| Cabinet                        | 24/216-1 |
| Phone Tips                     | 11/252   |
| Speed Nuts (6)                 | 227/250  |



# RADIO CORPORATION PTY. LTD.

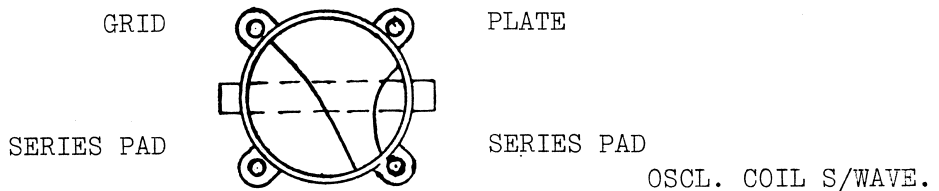
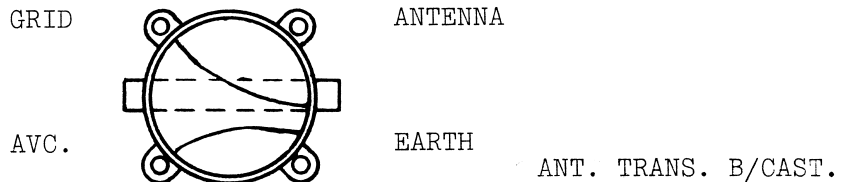
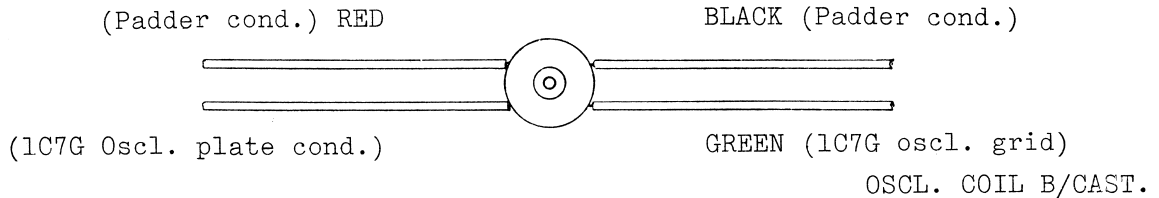
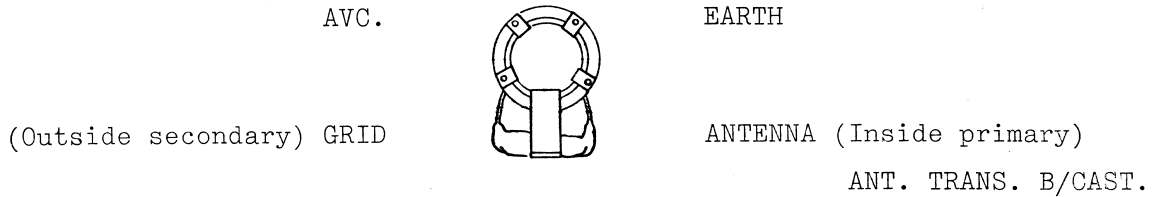
DIVISION OF ELECTRONIC INDUSTRIES LTD.

126-130 GRANT STREET, SOUTH MELBOURNE, S.C.4.

## TECHNICAL BULLETIN

BULLETIN DQ-1.  
BULLETIN DQM-1.  
BULLETIN DQP-1.  
BULLETIN DQQ-1.  
File:—Receivers  
          Vibrator.  
Date: 20/3/47.  
Page 13.

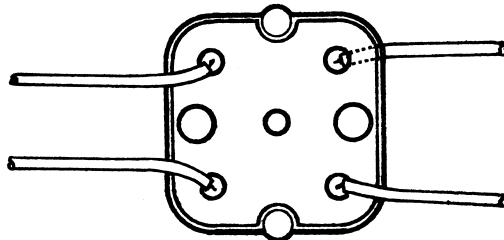
SUBJECT—Coil and IF. Transformer Connections—Models "DQ", "DQM", "DQP" and "DQQ".



SUBJECT-Coil and IF. Transformer Connections-Models "DQ" "DQM", "DQP" and "DQQ"

(Grid return) BLACK

GREEN (1M5G grid)

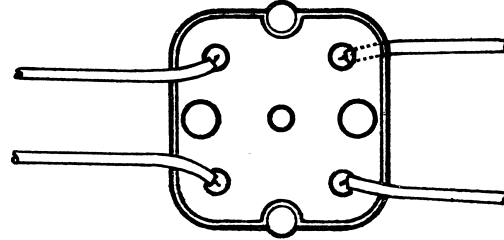


(1C7G plate) BLUE

RED (Junction of circuit numbers 9 and 69)  
 1ST IF. TRANS.

(Grid return) BLACK

GREEN (1M5G grid)

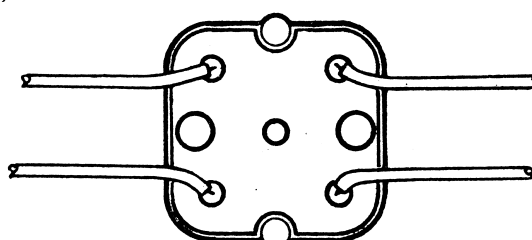


(1M5G plate) BLUE

RED (B+)  
 2ND IF. TRANS.

(Diode return) BLACK

GREEN (1K7G diode)



(1M5G plate) BLUE

RED (B+)  
 3RD IF. TRANS.



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## TECHNICAL BULLETIN

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File:-Receivers  
Vibrator.

Date: 20/3/47.

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SUBJECT-Summary of Changes Made During the Production of these Receivers  
Models "DQ", "DQM", "DQP" and "DQQ".

- Circuit No. 38:- 15MMFD. wire wound cond. changed to 20MMFD. to improve peaking position of B/cast. oscl. trimmer PC367.
- Circuit Nos. 39 and 40:- Wire wound trimmers PC367 on B/cast. and S/wave. oscillator coils changed to improved trimmer PC663. 0-30MMFD. Wire wound cond. circuit No. 38 not required when using PC663.
- Circuit No. 32:- A 400MFD. electrolytic cond. part No. PC385 was used in place of the 500MFD. circuit No. 32. The other 500MFD. electrolytic circuit No. 33 must remain 500MFD.

1.5 megohm resistors part No. PR388 were used in place of 1.75 when 1.75 were not obtainable.

A 10MMFD. silvered mica cond. part No. PC307 was wired across the S/wave. aerial coil trimmer on one production run to improve the peaking position.

Dial lamps and dial lamp switch used on these models were deleted during the war years.