

R.C.A. Victor Co., Inc.

Model: Q30

Chassis:

Year: Pre 1945

Power:

Circuit:

IF:

Tubes:

Bands:

Resources

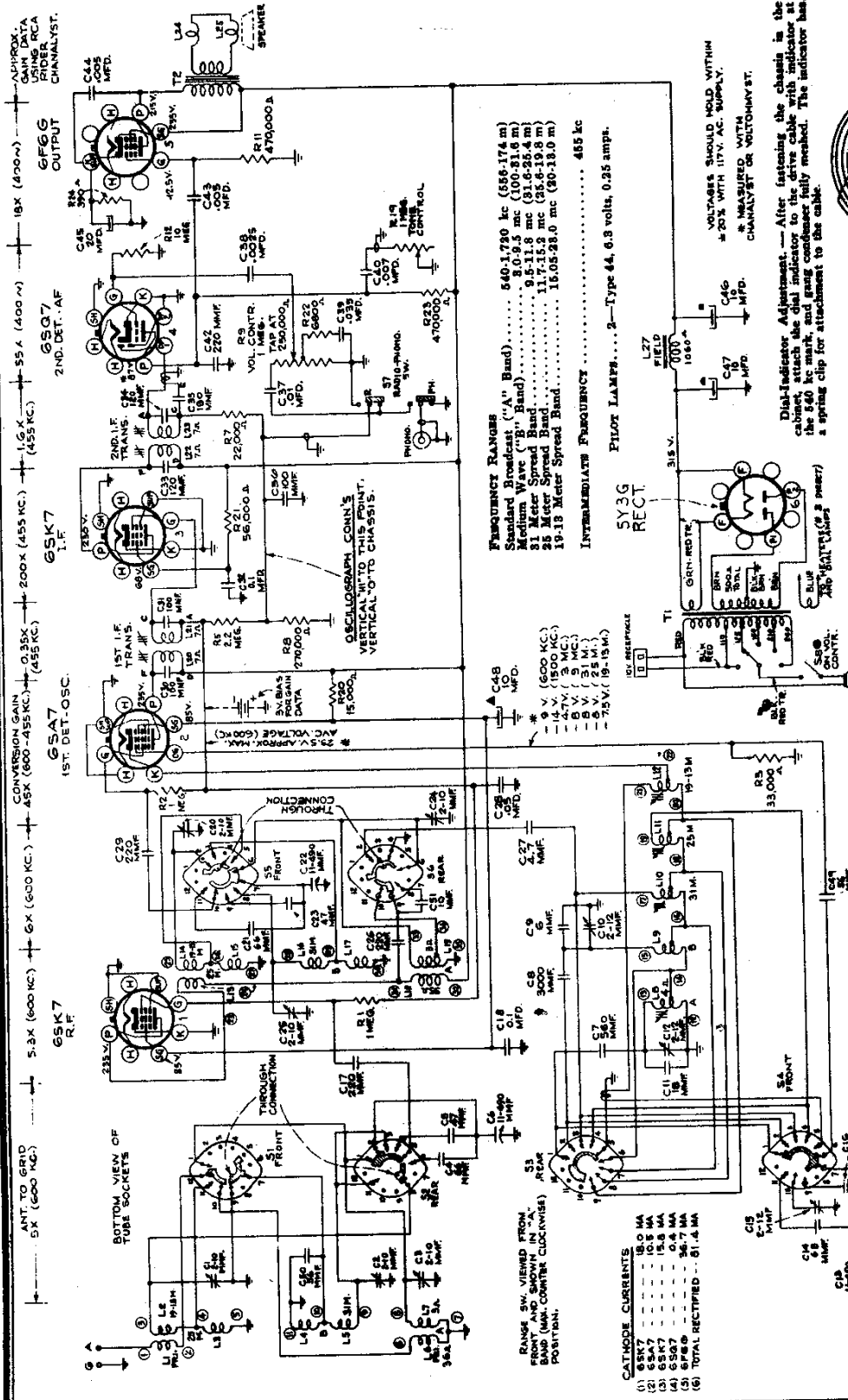
[Riders Volume 14 - RCA 14-33](#)

[Riders Volume 14 - RCA 14-34](#)

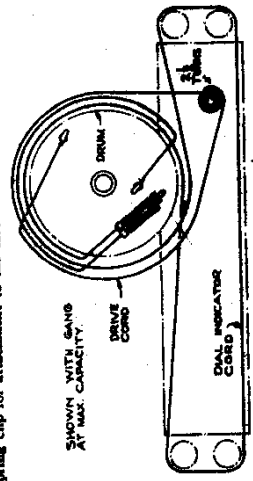
[Riders Volume 14 - RCA 14-41](#)

RCA MFG. CO., INC.

MODEL Q30
Ch. RC-6300



FOR PARTS LIST, SEE INDEX



POWER SUPPLY RATINGS

105-125 volts, 50-60 cycles	75 watts
105-125 volts, 25-40 cycles	75 watts
100-120, 140-160, 200-250 volts, 50-60 cycles	75 watts

POWER OUTPUT

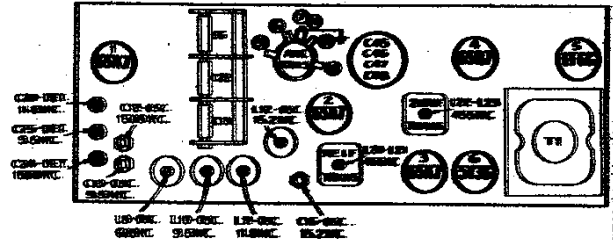
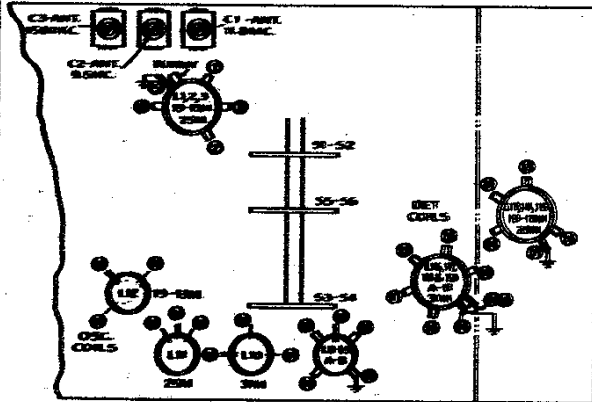
Undistorted	3.5 watts
Maximum	2.5 watts

CONSUMER SERVICE

Type..... 9 x 61 inch electrical electronic
 V.C. impedance..... 2.7 ohms at 600 cycles
 Identification Number..... 80109-1

MODEL Q30
Ch. RC-538B

RCA MFG. CO., INC.



Steps	Connect the high side of the test-osc. to—	Tune test-osc. to—	Range Switch	Tune scale Dial to—	Adjust the following for max. peak output
1	6SQ7 I-F grid in series with .01 mfd.			Quiet point near 600 kc. (149.5°) end of dial	L12-L13 2nd I-F transformer
2	6SA7 1st det. grid in series with .01 mfd.	605 kc.	"A" band		L21-L22 1st I-F transformer
3	Antenna terminal in series with 500 ohms	11.5 mc.	25 meter band	11.5 mc. (138.5°)	L11 (osc.) C1 (osc.) C10 (det.) Rock in
4		15.2 mc.		15.2 mc. (118.5°)	C15 (osc.)*†
5	Repeat steps 3 and 4 until aligned.				
6		15.2 mc.	10-13 meter band	15.2 mc. (156°)	L12 (osc.)*†
7	Antenna terminal in series with 500 ohms	9.5 mc.	31 meter band	9.5 mc. (156°)	L10 (osc.)*† C2 (osc.) C16 (det.)*† Rock in
8		9.5 mc.	"B" band	9.5 mc. (115°)	C10 (osc.)*†
9	Antenna terminal in series with 500 ohms	1,500 kc.	"A" band	1,500 kc. (37°)	C12 (osc.) C3 (osc.) C24 (det.)
10		600 kc.		600 kc. (149.5°)	L3 (osc.) Rock in
11	Repeat steps 9 and 10.				

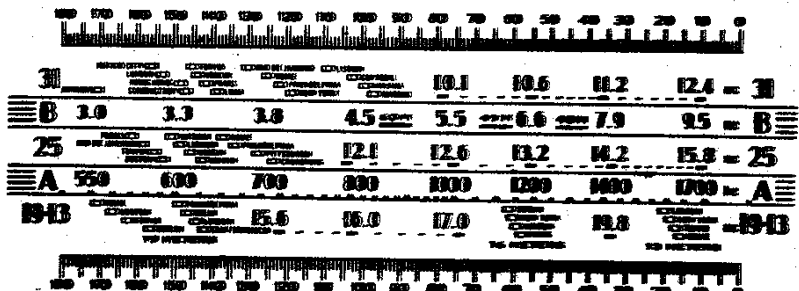
Precautionary Lead Dress:

1. Dress given leads from antenna and R-F gang sections away from all metal including chassis shield plates. The spaghetti covered lead in the antenna section should be at least 1/2 inch away from gang.
2. Dress electrolytic capacitors and switch leads away from and edge on to shield plates.
3. Cleanly twist ground lead about 2nd I-F transformer diode lead and dress close to chassis.
4. Dress volume control-arm lead and capacitor close to front screen and away from output tubes by-pass capacitors.
5. 6SQ7 10 megohm grid resistor should have no lead length on the grid side.
6. Dress capacitor high side of volume control toward base and as far as possible from a-c switch.
7. Leads to converter socket should not impede flexible mounting.
8. Converter control grid: clear of any other leads, especially filament leads which must be at least 1/2 inch away. The megohm grid leak must have its body as close to grid as possible.
9. Dress oscillator grid and control grid capacitors apart.
10. Dress all filament and B+ leads close to chassis. Dress speaker leads close to base.
11. Dress phono lead and diode return lead to switch away from power circuits and output tube sockets.
12. Dress power transformer leads between back screen, power transformer and 5Y3 socket.
13. Screen lead from electrolytic to rectifier tube should be well away from I.F. transformer parts.
14. AC leads to switch should be twisted and away from all parts.
15. Capacitor to phono switch and its lead should be away from all other leads.
16. Screen speaker leads should be dressed down and away from 6SQ7 socket.
17. C-20 should be close to chassis and away from all other leads.
18. Shielded lead from I.F. to phono switch should be away from all else.

Calibration Scale

Reduced Reproduction of Receiver Dial and Corresponding 0-100° Calibration Scales

The corresponding position of the dial indicator for any setting of the calibration scale can be determined by drawing a line from this point on the bottom calibration scale to the same point on the top calibration scale. For example: 150° on the calibration scale corresponds to approximately 600 kc on "A" band, etc. Read instructions under "Alignment Procedure."



* Use minimum capacity peak if two can be obtained.
 ** Peak at minimum plunger position if two peaks can be obtained.
 *** Use maximum capacity peak if two peaks can be obtained.
 † Check image to determine that C15 has been adjusted to correct peak by tuning receiver to approximately 14.25 mc where a weaker signal should be received.
NOTE: Oscillator tracks above signals on all bands.

Pointer for Calibration Scale:—Improve a pointer for the calibration scale by fastening a piece of wire to the gang condenser frame, and bend the wire so that it points to the "100°" mark on the calibration scale when the plates are fully inserted.

RCA MFG. CO., INC.

MODEL Q30 MODEL Q31 MODELS QU51, QU55

Main table with columns: STOCK No., DESCRIPTION, UNIT PRICE, and UNIT QUANTITY. It lists various electronic components like capacitors, resistors, coils, and transformers, categorized into Chassis Assemblies, Speaker Assemblies, and Miscellaneous Assemblies.

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