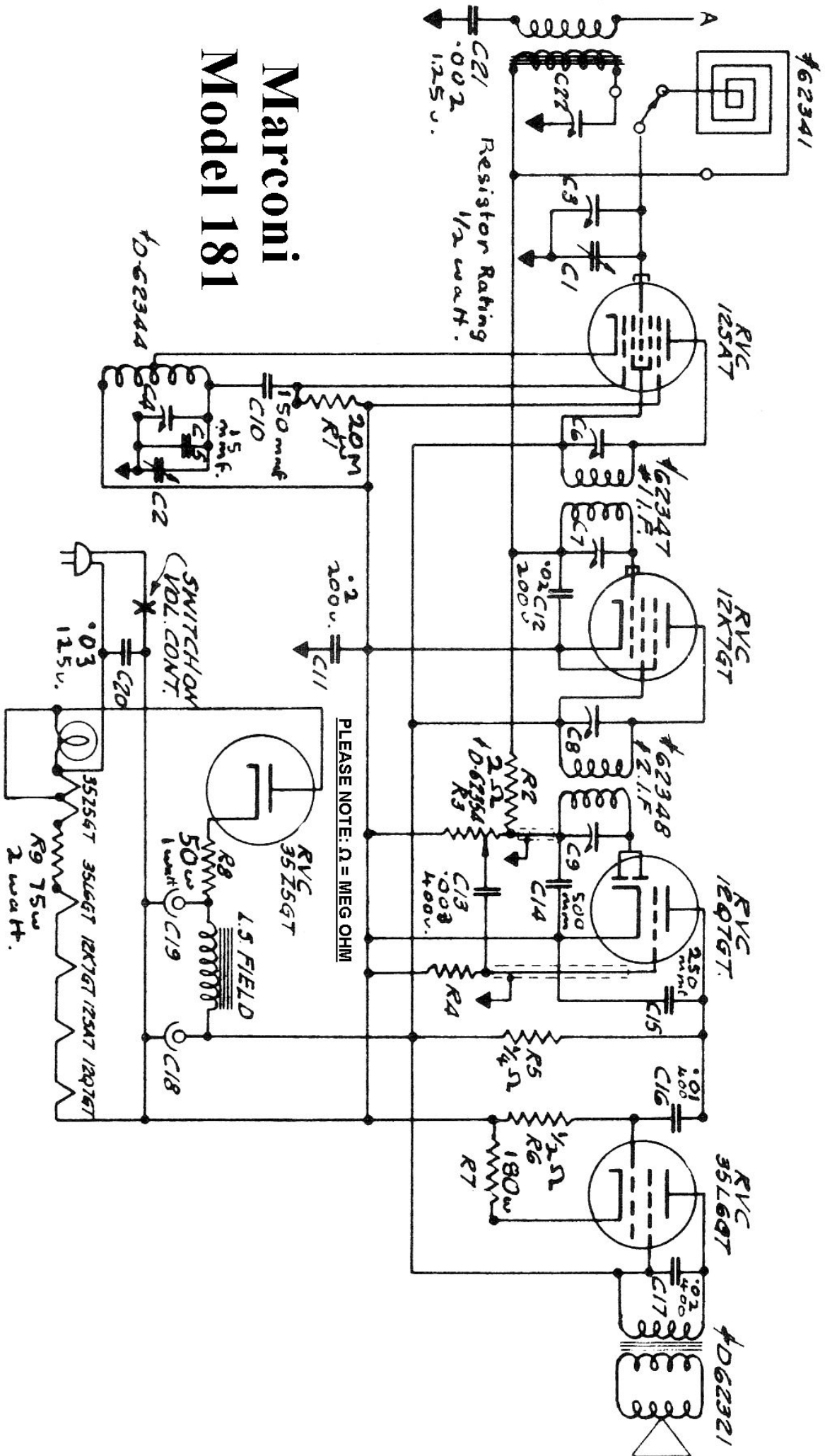


Marconi Model 181



C21
Resistor Rating
1/2 watt.
125 v.

D62344

R9 75w
2 watt.

1.5 FIELD

50w

35Z5GT

1.5 FIELD

50w

35Z5GT

1.5 FIELD

50w

35Z5GT

1.5 FIELD

50w

35Z5GT

1.5 FIELD

50w

35Z5GT

1.5 FIELD

50w

35Z5GT

A

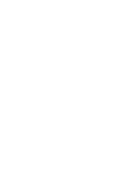
125A7

12K7GT

12Q7GT

35L6GT

D62321



#62341

RVC

RVC

RVC

RVC

#D62321

C21

C1

C6

C7

C8

C9

R1

R2

R3

R4

R5

R6

C2

C3

C4

C5

C10

C11

C12

C13

C14

C15

C16

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C245

Marconi Model 181 AC/DC Mantel Radio

VOLTAGE READINGS

12SA7 Mod. Plate to Cathode.....	85 V.
12SA7 Osc. Plate to Cathode.....	85 V.
12SA7 Screen to Cathode.....	45 V.
35L6 Plate to Cathode.....	75 V.
35L6 Screen to Cathode.....	80 V.
12X7 Plate to Cathode.....	90 V.
12X7 Screen to Cathode.....	90 V.
12Q7 Triode Plate to Cathode.....	50 V.

Above readings are approximate and will vary depending on the resistance of the voltmeter used. Readings are taken on lowest scale that will accommodate the voltage under test.

ALIGNMENT PROCEDURE

CONNECT S.G. OUTPUT TO	SET ANT.- LOOP SW. TO	INPUT FREQUENCY	RECEIVER DIAL SETTING	ADJUST	CIRCUIT RESONATED	REMARKS
* C.G. 12SA7	-	462.5 KC	Gang at Max.	C9, C8, C7 & C6	No. 2 I.F. No. 1 I.F.	Adjust for Max. Output
** Ant. Lead	Loop	1717 KC	" "	C4	Oscillator	Adjust for Resonance
"	"	1400 KC	" "	C3	R.F. (Loop)	Adjust for Max. Output
"	Ant.	1400 KC	" "	C22	R.F. (Ant.)	Adjust for Max. Output

NOTE:- Ground lead from signal generator should be connected to chassis through a 0.1 Mfd. capacitor.
 * This connection to be made through a 0.1 Mfd. capacitor to lug on R.F. section of gang.
 ** Before proceeding with R.F. alignment, see that pointer is set over last division on left hand side of dial scale with gang at maximum.