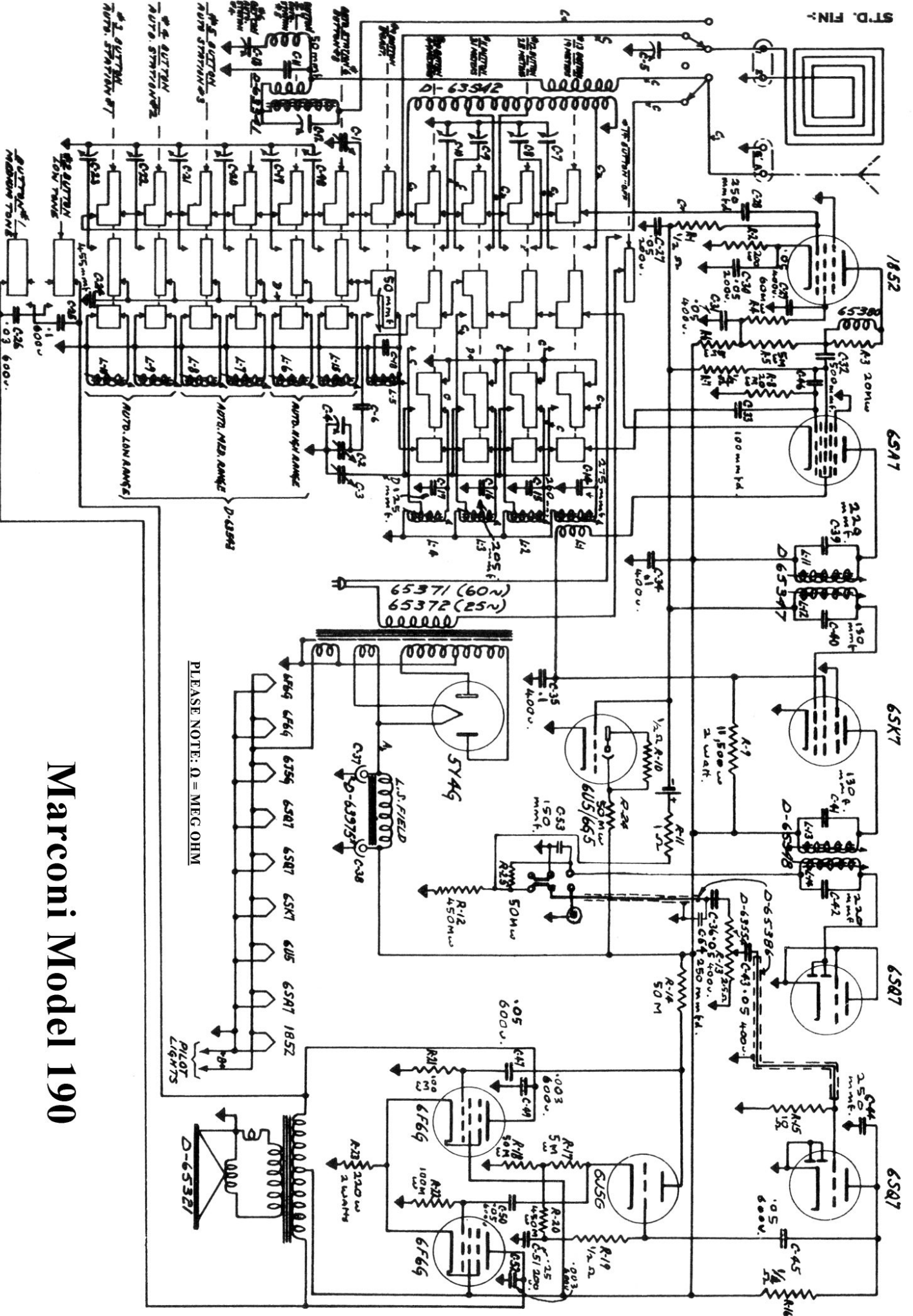


ST'D. FIN.:

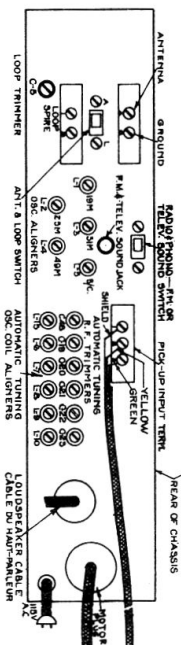
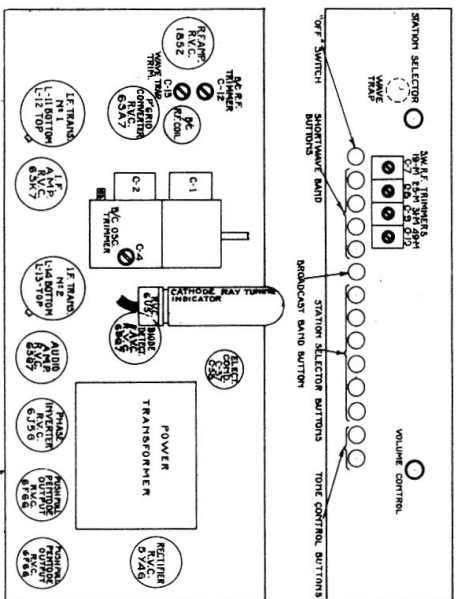


PLEASE NOTE: Q = MEG OHM

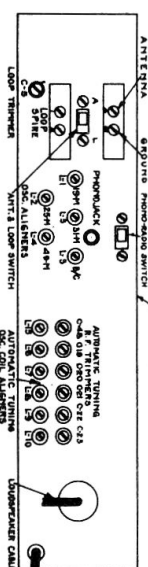
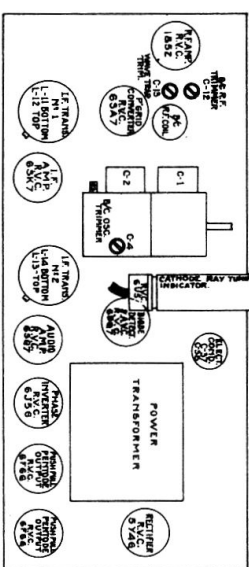
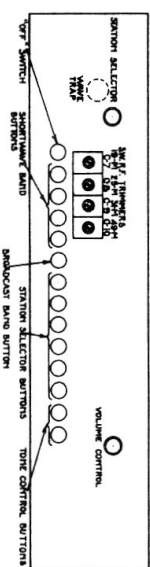
Marconi Model 190

NOTE: P.B. SWITCH IN "OFF" POSITION.

LAYOUT MODEL 191



LAYOUT MODEL 190



Marconi Model 190, 191 Alignment Procedure

ANT. LOOP SW. POST.	BAND SW. SETTING	CONNECT S.G. OUTPUT TO	INPUT FREQUENCY	DIAL SETTING	DRUM IND.	ADJUST	CIRCUIT RESONATED	REMARKS
Ant.	* BC	*** CG 6SA7 A & G	462.5 KC	-	-	L14, L13, L12, L11 C13	If Input & Output Wave Trap	Max. Output Min. Output
Ant.	** BC	A & G	1400 KC	155.2	C4		BC Osc.	Resonate
Ant.	BC	A & G	1400 KC	155.2	C12		BC R.F.	Max. Output
Ant.	BC	A & G	580 KC	20.5	L5		BC Osc.	Rock Gang
Loop	BC	A & G	1400 KC	155.2	C5		Ant.	Max. Output
Ant.	49M	A & G	6.1 MC	6.1 MC	88	L4 C10	49M Osc.	Resonate
Ant.	49M	A & G	6.1 MC	6.1 MC	88		49M R.F.	Max. Output
Ant.	31M	A & G	9.6 MC	9.6 MC	86	L3 C9	31M Osc.	Resonate
Ant.	31M	A & G	9.6 MC	9.6 MC	86		31M R.F.	Max. Output
Ant.	25M	A & G	11.8 MC	11.8 MC	85	L2 C8	25M Osc.	Resonate
Ant.	25M	A & G	11.8 MC	11.8 MC	85		25M R.F.	Max. Output
Ant.	19M	A & G	15.2 MC	15.2 MC	70	L1 C7	19M Osc.	Resonate
Ant.	19M	A & G	15.2 MC	15.2 MC	70		19M R.F.	Max. Output

* I.F. ALIGNMENT: Short Osc. section of gang capacitor through 0.1 Mfd. For oscillograph alignment, connect oscillograph input across R12. Adjust for overlapping double image of maximum amplitude.

** Before proceeding with R.F. alignment, see that dial pointer is set over last graduation mark at low frequency end. (Gang to be at maximum capacity).

*** Lug on R.F. section of gang forms a convenient point of connection.

Marconi Model 190, 191

VOLTAGE READINGS SOCKET PINS TO CHASSIS

TUBE	1	2	3	3	3	6	7	8
RVC 1852	0	0	0	-0.2	1.25	145	6.3 AC	190
RVC 6SA7	0	0	250	95	-6.25	0	6.3 AC	-15
RVC 6SK7	0	0	0	0	0	95	6.3 AC	245
RVC 6SQ7 (Det)	0	0	0	-2.8	-2.8	0	6.3 AC	0
RVC 6SQ7 (I.A.F)	0	0	0	0	0	105	6.3 AC	0
RVC 6ISG	0	0	185	*	2	*	6.3 AC	60
RVC 6IEG	0	0	235	245	0	0	6.3 AC	14.5
RVC 6IEG	0	0	235	245	0	0	6.3 AC	14.5
RVC 6IEG	0	0	235	245	0	0	6.3 AC	14.5
RVC 5Y4G	0	0	340 AC	-	340 AC	-	310	310

* Used as anchoring lug only.

Above readings are approximate and may vary depending on line voltage and resistance of voltmeter used. Readings are taken on lowest scale of meter that will accommodate the voltage under test, with resistor switched to broadcast band, volume and tone controls at maximum, radio-phonograph switch in "radio" position and gang capacitor at maximum.

AUTOMATIC PUSH-BUTTON CONTROLS 190, 191

This receiver is fitted with fourteen push-button controls, the functions of which are as follows:

Tone Controls:
The two buttons on the extreme left marked "Medium Tone" & "Low Tone" permit four different tone combinations which are obtained as follows:-

High Tone.....Both Buttons Out
Medium Tone.....Depress Button marked "Medium Tone"
Low Tone.....Depress Button marked "Low Tone"
Extra Bass Tone.....Depress Both Tone Buttons

Wave Band Switch:
The following wave bands may be selected by depressing the button with the corresponding marking:-

Broadcast.....540-1520 K.C.
49 Metres.....5950-6250 K.C.
31 Metres.....9450-9750 K.C.
25 Metres.....11650-11950 K.C.
19 Metres.....15050-15400 K.C.

On-Off Switch:
The receiver will switch on when any of the Wave-Band or Automatic Station Buttons are depressed. To switch the receiver "OFF", depress extreme right hand button marked "Off".

Automatic Station Selector:
Six-button, permeability tuned type, covering the following frequencies:-

3rd Button tunes stations between.....535-820 K.C.
4th Button tunes stations between.....535-820 K.C.
5th Button tunes stations between.....625-1025 K.C.
6th Button tunes stations between.....625-1025 K.C.
7th Button tunes stations between.....875-1525 K.C.
8th Button tunes stations between.....875-1525 K.C.