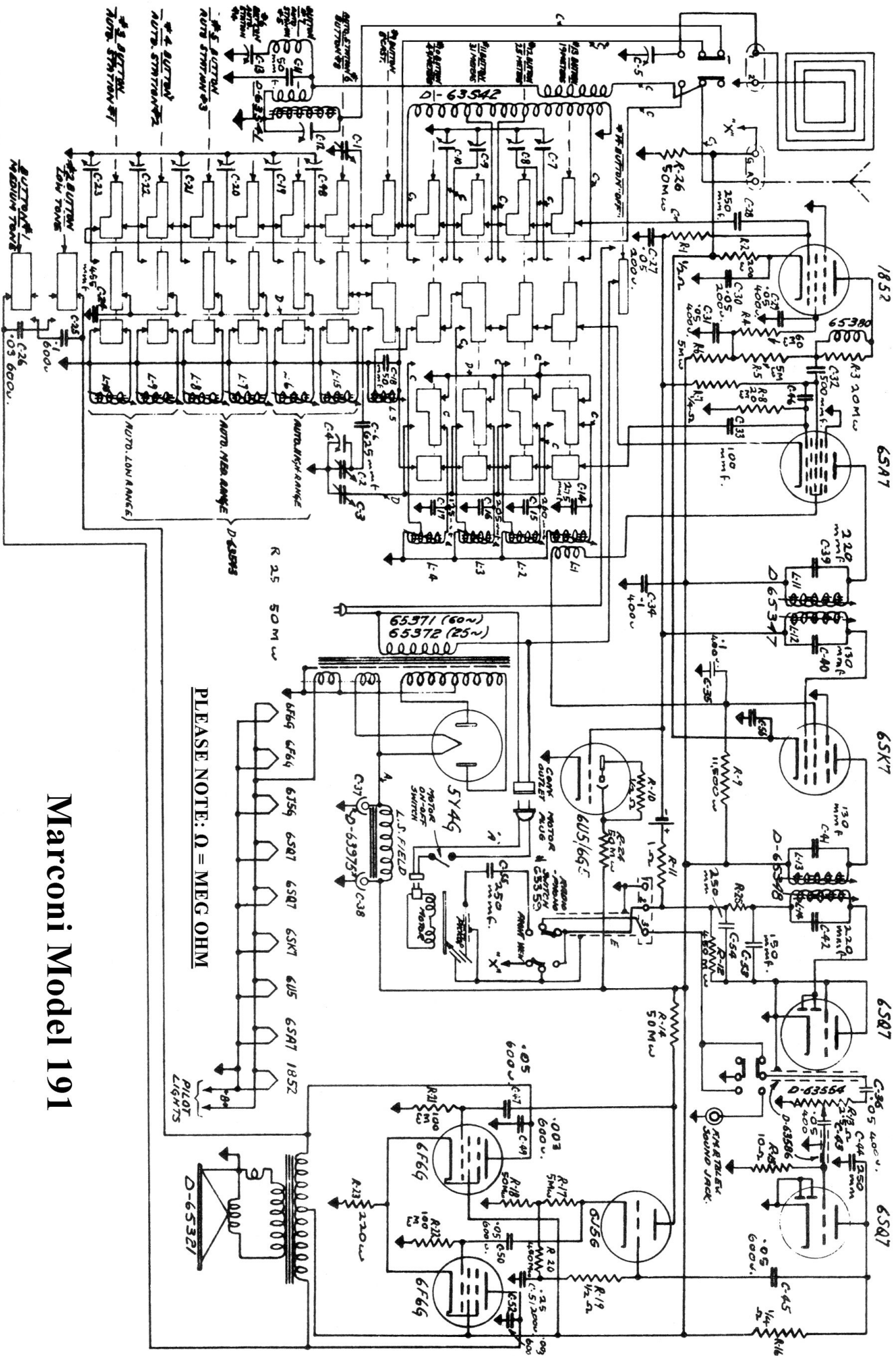
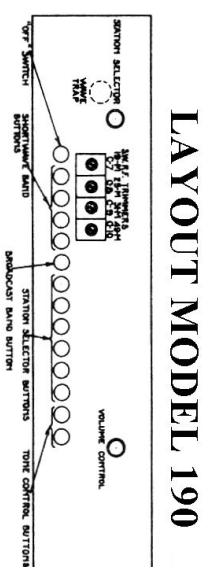


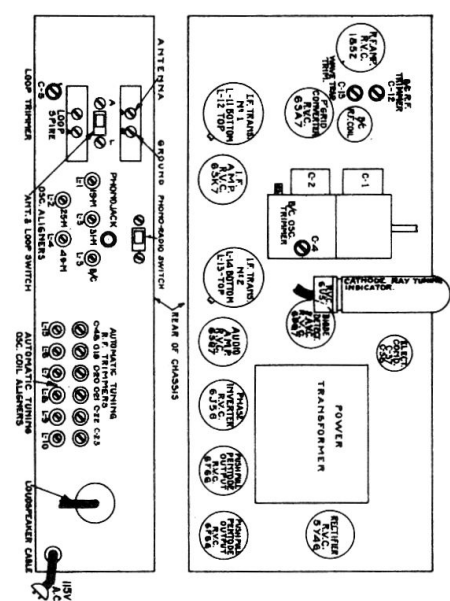


# Marconi Model 191

## Marconi Model 190, 191 Alignment Procedure



# Marconi Model 190, 191



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

## Marconi Model 190, 191 Alignment Procedure

- \* 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).
- \*\*\*Tune on R.F. section of gang forms a convenient point of connection.

## 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 | between..... | 535-820 K.C.  |
| 4th Button | tunes | between..... | 535-820 K.C.  |
| 5th Button | tunes | between..... | 625-1025 K.C. |
| 6th Button | tunes | between..... | 625-1025 K.C. |
| 7th Button | tunes | between..... | 875-1525 K.C. |
| 8th Button | tunes | between..... | 875-1525 K.C. |