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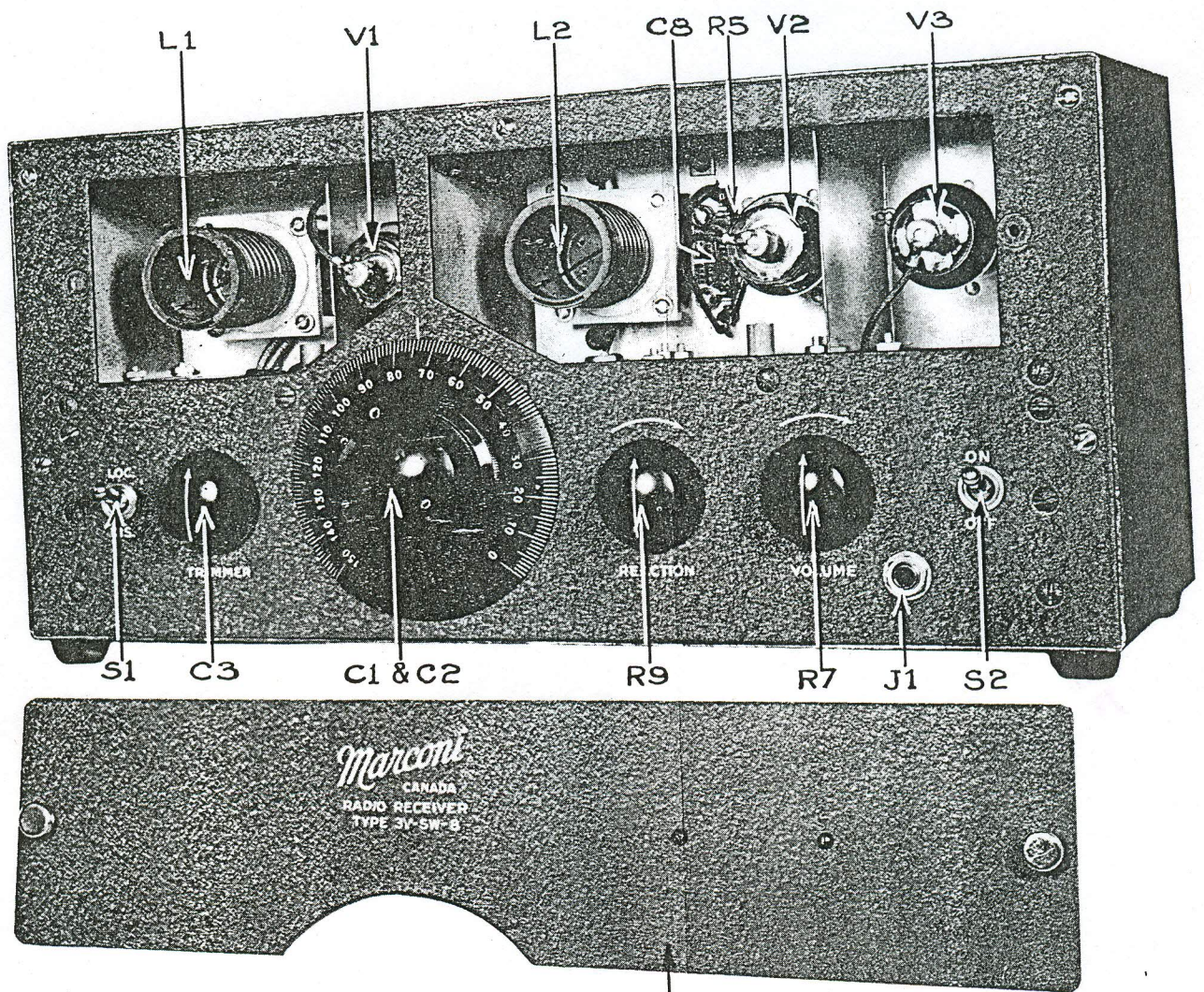
FOLDER 95246
3 VSW-8 RECEIVER
TYPE NO. 93930

INSTALLING & OPERATING INSTRUCTIONSMARCONI 3VSW-8 MARINE RECEIVERTYPE 93930DESCRIPTION

The circuit of the Marconi 3VSW-8 receiver consists of one r-f amplifier stage, transformer coupled regenerative detector, and one stage of impedance coupled audio amplification. This circuit provides maximum sensitivity and flexibility with a minimum complement of valves and auxiliary equipment. The three valves are located behind the small cover over the front panel, the RVCL4 r-f valve at the extreme left, the detector (another RVCL4) in the centre, and the RVC38 audio amplifier at the right. Also located behind the panel cover are the sockets for the plug-in coils, one r-f and one detector coil being required for each frequency range. The r-f coil is plugged into the socket in the left-hand compartment, and the detector coil into the socket in the centre compartment. Eleven sets of coils are available, each coil being engraved to indicate its frequency range and also its position in the receiver, i.e. either RF or DET. The frequency ranges of these sets of coils are as follows:

| | | | | | |
|---------|----|-----|----|-----|------------|
| Range 1 | - | 26 | to | 20 | megacycles |
| " | 2 | 21 | " | 12 | " |
| " | 3 | 13 | " | 7 | " |
| " | 4 | 8 | " | 4.3 | " |
| " | 5 | 4.6 | " | 2.5 | " |
| " | 6 | 2.6 | " | 1.4 | " |
| " | 7 | 1.5 | " | .83 | " |
| " | 8 | 840 | " | 500 | kilocycles |
| " | 9 | 520 | " | 300 | " |
| " | 10 | 320 | " | 180 | " |
| " | 11 | 185 | " | 100 | " |

In addition to the above, special bandspread coils can be furnished to cover any band which is less than the range covered by the standard coils. When using these special coils, the leads which clip on to the control grids of the r-f and detector valves are attached instead to the dummy insulating plugs located in each compartment, and the special leads from the bandspread coils are connected to the control grids of the valves. This procedure is also necessary with the detector coil of the standard range 1.



COVER FOR
COIL & VALVE
COMPARTMENT

3V-SW-8 MARINE RECEIVER
FRONT VIEW

FORM #2025

