

FERGUSON

Model 358BT

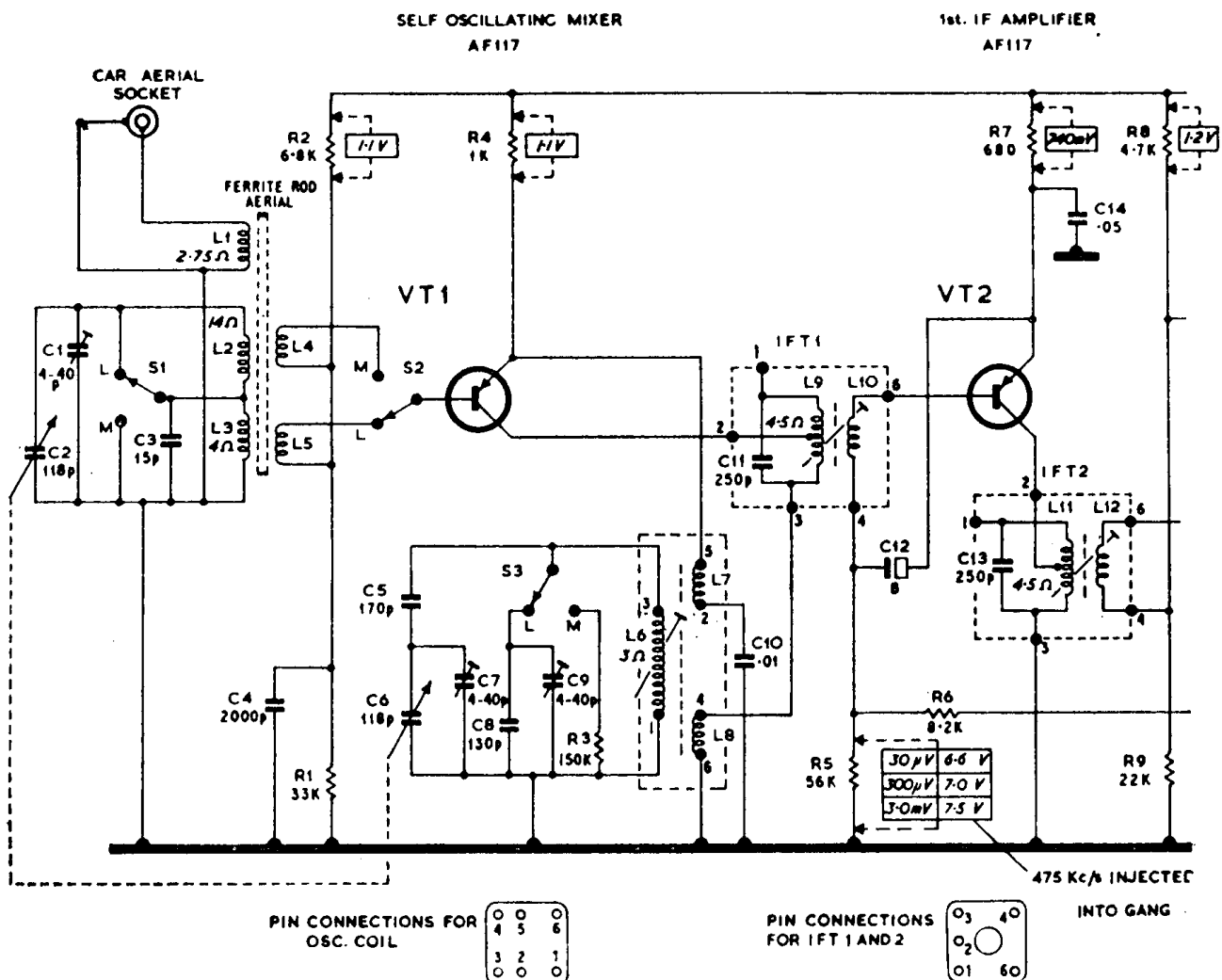
General Description: Seven-transistor (plus crystal diode), two-waveband personal portable with earphone socket and provision for use with car aerial.

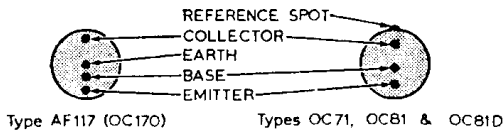
Power Supply: One 9-volt battery (PP6, DT6, BB26, T6006). Consumption 30 mA. for average output.

Wavebands: M.W. 194–525 m.; L.W. 1150–1900 m.

Transistors: (VT1) AF117 (OC170); (VT2) AF117; (VT3) AF117; (VT4) OC71; (VT5) OC81D; (VT6, 7) OC81. Crystal diode (W1) OA90.

Alignment Procedure: Printed panel assembly must be removed from case and loudspeaker dismounted. Output meter Model 8 Avo across speaker speech coil. During alignment maintain output voltage between 1 and 1.4 volts A.C. *I.F.:* Set to M.W. with gang fully open. Inject a 475-kc/s. signal via 0.1 μ F. across C2. Adjust IFT1, 2 and 3, and repeat as necessary. In all but a few early models, C2 is next to printed panel. With either arrangement best injection point is the yellow lead to rod aerial.

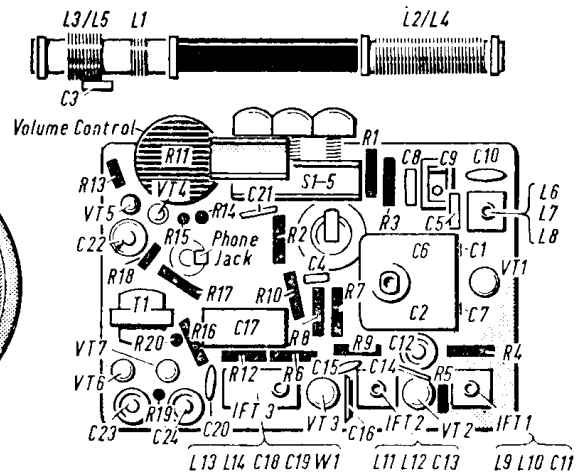




TRANSISTOR CONNECTIONS AND (right) PRINTED PANEL LAY-OUT

In some early receivers C2 was the front section of the gang with C6 behind, and C1 and C7 were in the reverse positions to those shown.

R.F.: M.W. must be aligned first. Inject signals via loop loosely coupled to rod aerial. Mount temporary scale backing card to gang and inscribe on it cursor line. Place scale on spindle.



Band	Frequency, kc/s.	Cursor Position	Adjust
M.W.	650 1400	M.W. pad M.W. trim	L6, L2* C7, C1
L.W.	220	L.W. trim	C9, L3*

* Adjust by sliding coil along aerial rod.

