MIDLAND 76-900 UK

RECEIVER ALIGNMENT ==========

1. Test Equipment Required

a) Oscilloscope (100 MHz).
b) RF Signal Generator AM/FM (0.3uV).
c) AF Voltmeter (V.T.V.M).
d) Dummy Load (8 ohm).

2. Alignment Procedure

STEP	PRESET TO	ADJUSTMENT	REMARKS
1	Channel :20 Squelch : MIN RF Gain : MAX	T5, T6, T7, T8, T9, T10 and T11	Connect RF Signal Generator (FM 27.79125 MHz No Modulation) to ANT JACK. Connect the Oscilloscope to TP2 (lead R47). Adjust coils T 5, T6, T7, T8, T9, T10 and T11 for maximum reading on the Oscilloscope. Keep the RF Signal Generator output as low as possible.
2	Same as step 1	T5	After completing above procedure, Adjust T5 clockwise ½ turn.
3	Same as step 1	T12	Set the output of the RF Signal Generator (FM 27.79125 MHz 1 KHz audio deviation). Adjust T12 for maximum reading on the Oscilloscope. NOTE: When adjusting T12, you will find 3 peaks adjust for the 2nd peak.
4	Same as step 1	VR1	Switch the RF Signal Generator off, and set the RF Gain Control to MAX. Adjust VR1 so that the AF noise level is 0.76v (0dB) on AF VTVM
5	Same as step 1	RV1	Set the output of the RF Signal Generator (100uV). Adjust RV1 so that the Signal meter points to “S9”.

3. Test Equipment Connection