MIDLAND 2001 / 3001 /4001

Receiver Alignment

REQUIRED TEST EQUIPMENT

DC Power Supply (13.8VDC, 5A)

RF Signal Generator AM/FM (100 MHz)

8 Ohms Audio dummy load

Sinad Meter

RECEIVER SENSITIVITY ALIGNMENT

1. Switch the radio on and allow it to warm up for 5 minutes, also set to channel 20.
2. Set the signal generator for .5uv at 27.79125 with 1.5 KHz deviation.
3. Adjust T5, T6, T7, T8 and T9 for maximum audio output across the 8 ohms dummy load. NOTE: some radios are not fitted with T9.
4. Adjust L105 for S/N >20dB on the Sinad.

SQUELCH ALIGNMENT

1. Set the signal generator for 10uv (20dB) at 27.79125 with 1 KHz audio and 0.8 KHz deviation.
2. Rotate the Squelch control fully clockwise.
3. Adjust RV101 so that the audio output level decreases by 6dB.