

Tune Up and Alignment Procedure

This information is not for the general users as the alignment is preset in the factory, no further alignment is necessary unless repairing is conducted by a qualified technician.

TRANSMITTER (Alignment procedure):

Equipment to be used: Spectrum analyzer connected with a standard receiving antenna; 9V power supply connected to the battery compartment.

- 1) Fully extend the antenna in the controller (transmitter);
- 2) Place the receiving antenna of the spectrum analyzer at a distance that the spectrum analyzer can receive the transmitted fundamental and harmonic signals from the controller.
- 3) Tune T2 and T1 for maximum amplitude of the fundamental (27.145Mhz) and at the same time the minimum amplitude for the harmonics.

RECEIVER (Alignment procedure):

In the r.f. front end and IF strip, there is no component for alignment, the crystal (X2) frequency tolerance and the center frequency of the ceramic filter (X1) and discriminator (X3) are specified within the design tolerance to ensure the acceptable receiving sensitivity of operation.

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