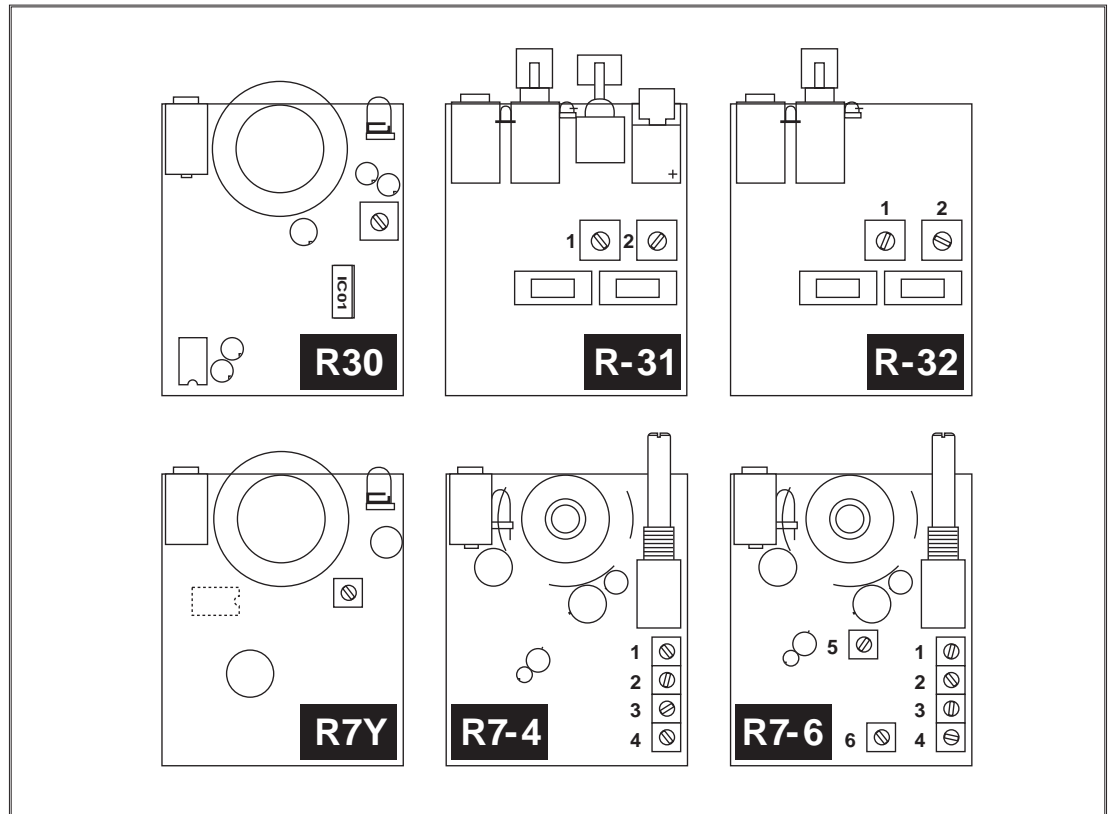


# Receiver Frequency Change Instructions

Tuning for the R7, R30, R31, and R32 receivers is determined by a single tuning coil. In the R7-4 and R7-6, one coil is assigned to each switch position. See the following 6 figures and receiver types to locate the coils to be adjusted. A plastic tuning wrench (PLT 005) will be needed to adjust these receiver tuning coils.



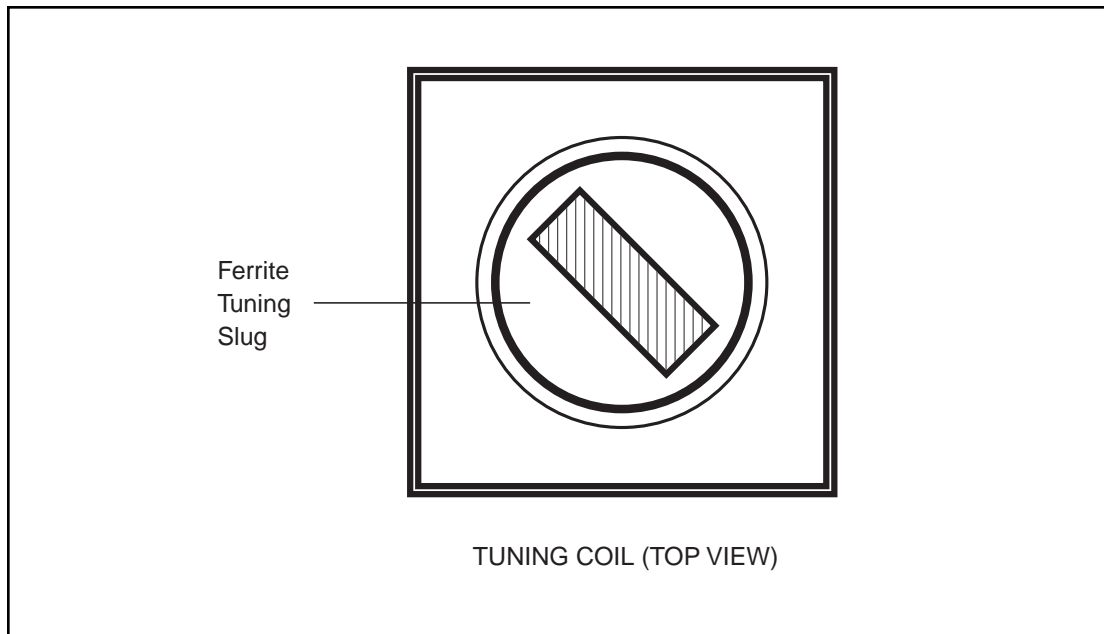
Most Williams Sound single channel Receivers are set at the factory to 72.9 MHz. The standard four-channel receivers (R7-4NA), Channels 1-4, are usually set to frequencies 72.1, 72.5, 72.9, 75.7 MHz respectively. The standard six-channel receivers (R7-6N), channels 1-6, are set to frequencies 72.1, 72.5, 72.9, 75.7, 74.7 and 75.3 MHz respectively.

**The Receiver must be tuned with a weak and somewhat noisy signal. If tuned too close to the transmitter, with a strong signal, the most accurate tuning of the receiver is not possible.**

## To Change the Frequency to Another Channel:

- Step 1:** Set the transmitter to the channel desired and remove the antenna.
- Step 2:** Connect an audio source to the transmitter such as a CD or cassette player or microphone.
- Step 3:** Move the receiver about 25 feet away from the transmitter to set the tuning.

- Step 4:** Open the battery compartment, then lift up on the battery door to open the back of the receiver. This will expose the tuning coil or coils to be adjusted.
- Step 5:** Locate the Tuning Coil. (See figure on previous page). Each tuning coil is a small, square, shiny metal can with a screwdriver slot in a tuning slug in the top center. The Tuning Slug is usually black or gray.
- Step 6:** With the earphone or headphone supplied with the receiver plugged into the Ear Jack, turn the volume control to a comfortable level, and listen for the transmitted signal.
- Step 7:** Gently put the tip of the tuning wrench into the slot in the tuning slug. Be careful not to push hard on the slug so as not to damage the threads in the coil, and do not screw it down more than 3 turns into the coil.
- Step 8:** Turn the tuning slug in a counter-clockwise direction about two turns. Then, slowly turn the tuning slug in the clockwise direction until the signal is heard. There may be two signal points heard. The one which is received first is a false response. Be sure to continue tuning slightly further to the correct point, which will be much louder. Tune back and forth to find the center of the point of best response to the program being heard.
- Step 9:** Mark down the date, and if a new frequency has been chosen, mark it down inside the receiver case for future reference.



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