



MODEL 203 WIRELESS MICROPHONE-TRANSMITTER

OPERATING INSTRUCTIONS

Model 203 is a compact completely transistorized battery-powered wireless transmitter with self-contained microphone for the 88-108 MHz FM band. It is designed to be used with a sensitive FM tuner such as the Raymer Model 751 or any other sensitive FM tuner or receiver. Model 203 can also be used as a wireless transmitting unit for an external microphone.

UNPACKING:

The unit is to be removed carefully from the carton and inspected for any possible damage in transit. If there is any evidence of any damage which might have occurred in shipment, notify your dealer at once, or the transportation company which delivered it. Claims for damage sustained in transit must be made upon the Carrier. Save all packing material for inspection by the claim agent who will furnish you with the proper forms and will also give you the necessary instructions for filing a claim. In addition to the Unit, there should be a warranty card included in the carton.

To insure proper servicing and to protect your rights under the warranty, be sure to fill in the warranty registration card without delay and mail to the factory.

WARRANTY

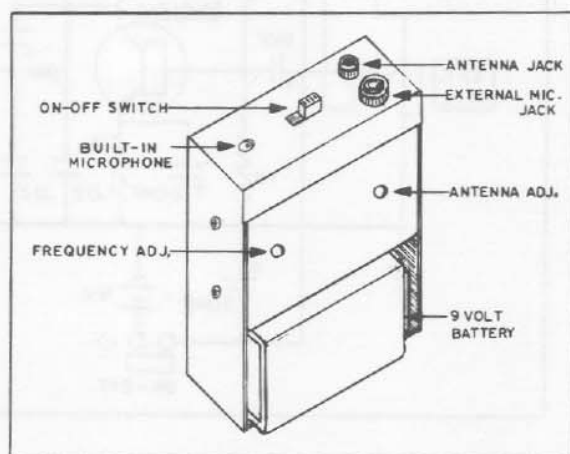
Each microphone is warranted to be free from electrical and mechanical defects for a period of 90 days from date of purchase. Failure to return the enclosed warranty card within 10 days of purchase date will void the warranty. If the microphone appears to be defective, return to the factory for repair. The warranty is void if the microphone shows any sign of having been damaged or tampered with, or if the serial number has been removed. *Damage to the microphone caused by leakage of electrolyte from the battery is not covered by the warranty.*

OPERATING PROCEDURE

1. Insert 9 Volt transistor battery (Eveready No. 216 or equivalent.) Be sure that battery is in good operating condition. Access to the battery compartment is obtained by slipping the microphone out of its carrying case.
2. Turn on the FM receiving unit and allow for warm-up.
3. Set the FM unit to an unused frequency.
4. Turn off AFC on FM unit.
5. Remove microphone from carrying case. Turn on microphone. Extend antenna lead with plug, and insert plug in antenna jack ANT.
6. Turn the FREQUENCY ADJ. on microphone (using plastic tuning tool supplied with unit) until the background noise from the tuner is greatly diminished or a loud feedback whistle is heard.

WARNING: NEVER FORCE THE SLUG PAST ITS EASY TURNING POINT.

7. Retune the FM unit slightly for optimum quieting or best sound.
8. Return AFC in FM unit to "on."
9. For operation of the microphone over a large area, the ANTENNA ADJ. may have to be tuned for maximum transmitter efficiency. To do this, have one person take the microphone to a fringe area of reception while another remains at the FM unit. Turn the ANTENNA ADJ. (using the plastic tuning tool supplied with the unit) until the person at the FM unit observes optimum reception.



OPERATING NOTES

When the microphone is located too close to the speakers, an audio howl may be experienced. To eliminate this feedback, it is necessary to operate the microphone at a safe distance from the speakers or to reduce the volume at the amplifier.

To operate Model 203 with an external microphone, plug the microphone into the EXTERNAL MIC. jack. The built-in microphone will be automatically disconnected. The plug required for the external microphone is a Switchcraft #740 or equivalent.

Speaking too close to the built-in microphone will tend to overload the input and cause distortion. Under such circumstances it will be necessary to place the microphone farther away from the voice source.

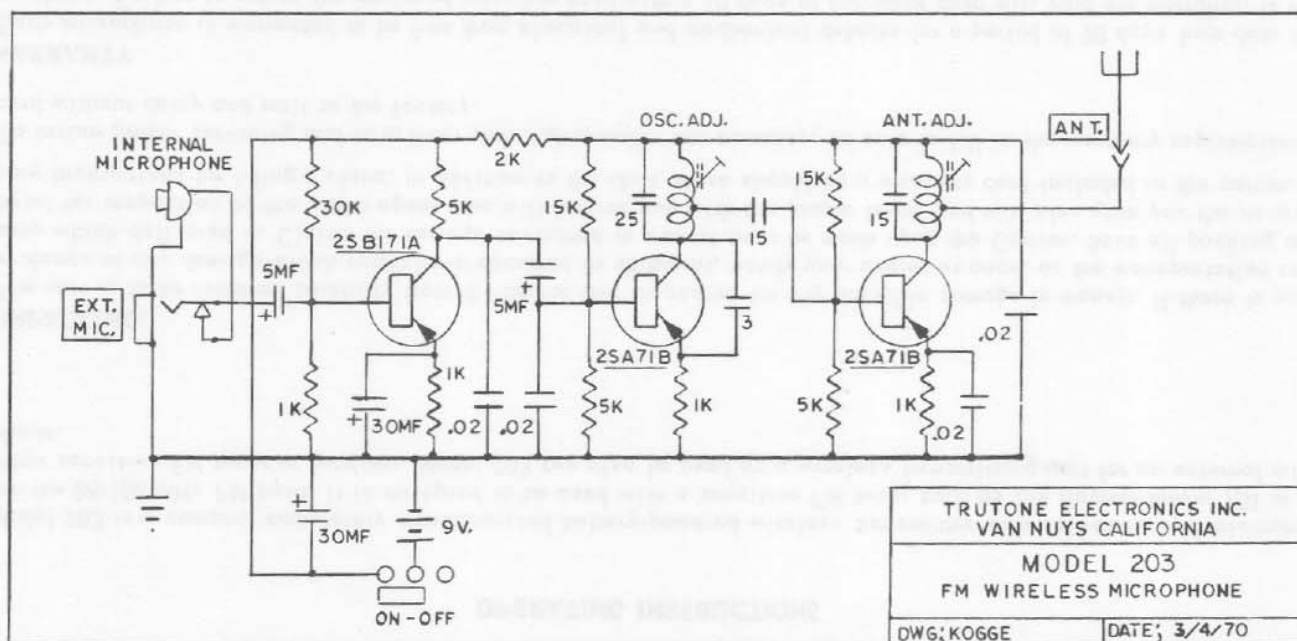
Remove battery when storing Model 203 for over a two week period.

Strap on carrying case may be used to mount Model 203 on a microphone stand or on a belt as a wireless transmitter when using external microphone. The strap may also be used with the lavalier attachment furnished.

The operating noise-free range of the microphone is dependent on the tuner or receiver being used. Good operation may be accomplished up to 50 feet and more, subject to terrain, obstacles, metal objects, electrical interference, etc. When it is desired to operate the microphone at distances greater than 50 feet from the FM unit, it is advisable to extend the antenna leads from the FM unit into the area where the microphone will be used.

If your Model 203 does not operate, check the following:

- A. The battery must be connected properly, make contact, and also must be in good operating condition.
- B. The FM receiver unit must be tuned to proper channel.
- C. If no sound is heard, try returning FM unit to another point and readjust tuning slug in microphone. Always adjust slug slowly and do not force. Turning the slug clockwise lowers the transmitter frequency. Turning the slug counterclockwise raises the frequency. Most units tune best from 90 to 106.5 mHz.
- D. If unit still does not operate properly, return microphone to factory for repair.



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