

MODEL 854-W AM-FM TUNER

OPERATING INSTRUCTIONS

DESCRIPTION

Model 854-W is a surface wall mounting AM-FM tuner for the 88-108 MHz FM band and the 550-1650 KHz AM band. The tuner may be vertically surface wall mounted or placed horizontally on a table or shelf. To prevent tampering, the tuning control and function switches are concealed in a recessed compartment accessible by loosening a single screw in the hinged cover, with the AC power switch conveniently located so as to be accessible without opening the cover. Model 854-W is provided with an illuminated dial scale which is visible at all times as well as an AFC defeat switch for precise tuning and a squelch circuit for interstation muting between FM stations. A special circuit design permits a single FM antenna to be used for both AM and FM reception. An indoor folded dipole antenna is supplied with Model 854-W. The tuner is housed in a sturdy metal case with keyhole slots in rear panel for fast, secure wall mounting.

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, immediately notify your supplier, 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 and mail to the factory within 5 days.

INSTALLATION

IT IS NOT NECESSARY TO REMOVE THE CHASSIS FROM ITS CASE TO WALL MOUNT. The enclosed template should be used when wall mounting the unit. Position the template on the wall where the unit is to be mounted. Mark the position of the two mounting screws, then insert two No. 8 round head or equivalent screws of the type appropriate for the wall material at these marks. Leave a space of no greater than 1/16" between the wall and the screwhead. Hang the unit on these two screws, using the keyhole openings on the back of the unit. Insert a No. 8 screw through the hole at the bottom of the case to lock the unit firmly to the wall.

Although the unit is designed to be wall mounted, it may also be placed on a shelf or table. When mounted in either way, sufficient space must be allowed around it to permit free air flow. Allow at least 1 inch on each side for adequate ventilation. DO NOT place on top of vacuum tube equipment. DO NOT store or operate in areas where the ambient temperature exceeds 140°F.

CONNECTIONS

In order to connect to the unit it is necessary to remove the lower portion of the front cover. This is done by removing the two screws at the bottom of the front panel and then unscrewing the screw holding the hinged door.

Plug the AC line cord into any outlet furnishing 105 to 120 volts, 60 Hz AC.

AUDIO OUTPUT

The output connection of the Model 854-W is made by means of a phono jack. The output level is approximately 1 volt into a high impedance load of 50,000 ohms or greater. A shielded cable with the appropriate matching plugs should be used when connecting the output of the tuner to the amplifier input.

ANTENNA INPUTS

Separate antenna inputs are made available for the AM and FM portions of the tuner by means of a four screw terminal board. By connecting one of the FM antenna terminals to the AM antenna terminal a single FM dipole antenna may be used for both AM and FM reception as shown in Figure 1.

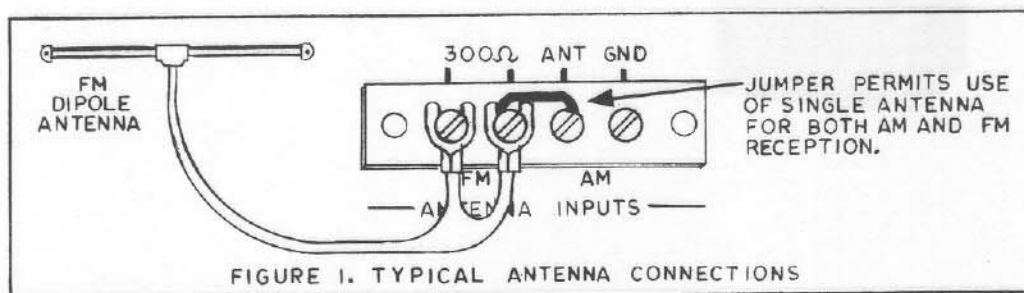


FIGURE 1. TYPICAL ANTENNA CONNECTIONS

An indoor dipole antenna is supplied with the unit. When connected as shown in Figure 1 this antenna is sufficient for most installations. In cases where the unit is inside of an all metal building or in a weak reception area, an outside antenna is necessary.

When the FM antenna is operated from a CATV or MATV system a separate AM antenna must be used.

OPERATION

The power switch is located at the bottom of the unit on the lower right hand side. It is not necessary to open the hinged cover to turn the unit on and off.

All other controls are located inside a recessed compartment. To gain access to these controls loosen the screw on the hinged door in the center of the front panel.

To select the station desired place the AM-FM switch located at the left side of the compartment to the position which matches the band desired. Turn the tuning knob located at the right side of the compartment until the frequency desired appears at the tuning dial. AM frequencies are indicated on the left side of this dial and FM frequencies are located on the right side. The center marking on the dial is a log scale for easy recording of the location of any specific station.

The two switches marked SQUELCH and AFC function only when receiving FM.

AFC refers to Automatic Frequency Control and is an electronic means of keeping the receiver properly tuned to an FM broadcast station even when the tuning dial is not precisely set. However when tuning to a weak station which is adjacent to a stronger one the AFC function may tend to lock the receiver to the stronger station. In such a case the AFC switch should be placed in the OFF position. For very precise tuning or selection of a weak station the AFC switch should be placed in the OFF position while tuning. When the station is properly tuned the switch may then be returned to the AFC position to lock the receiver to the desired frequency.

Squelch refers to an electronic means of quieting the output of the tuner while tuning between FM stations. When this switch is in the SQUELCH position, only those stations that can be received without noise will be heard. If it is desirable to tune to a weak station on FM, this switch must be placed in the OFF position.

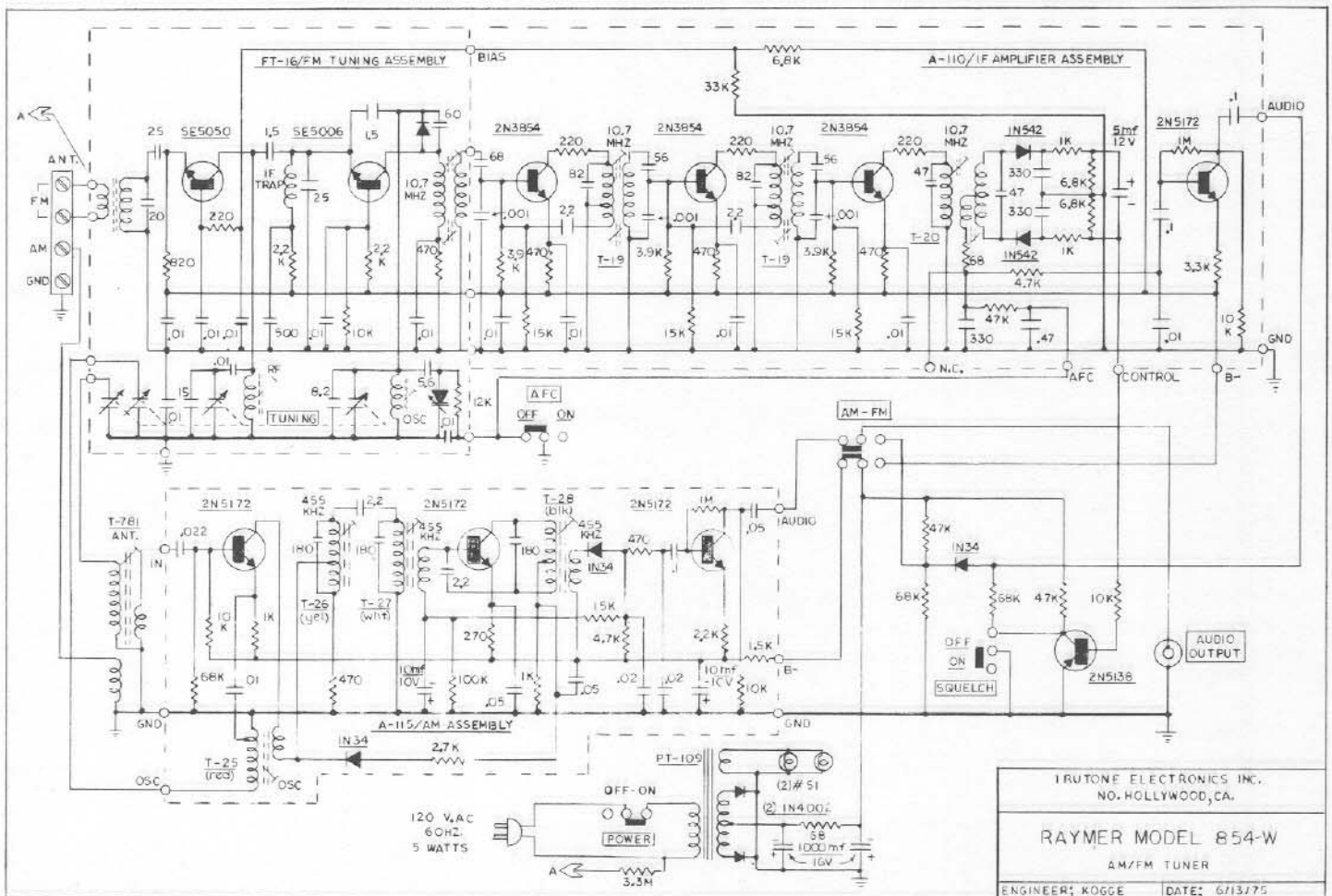
WARRANTY

This unit has been very carefully inspected and is warranted to be free from defects in material and workmanship under normal use and service for a period of one year from date of sale to the original purchaser. Should the unit covered by this Warranty become defective within the year, and providing it has not been connected improperly, damaged, or altered in any way it will be repaired by the factory on a no charge basis if shipped prepaid to the address indicated below.

It is recommended that any unit on which service is required be processed through your distributor or installation company wherever possible.

This Warranty is expressly in lieu of all other Warranties, expressed or implied, and of all other obligations or liabilities on our part. We neither assume nor authorize any other person to assume for us any other liability in connection with the products manufactured by Trutone Electronics, Inc.

In order for the above Warranty to be in effect the Warranty Registration Card enclosed with the unit must be filled out completely and mailed within five days of purchase.



Made in U.S.A. by

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