

MODEL 285 FM STEREO MULTIPLEX ADAPTOR

For use with FM broadband tuners and receivers. Supplied with manual separation control, on-off switch, stereo-monaural switch. Red pilot light to indicate power on or off. Green pilot light to indicate when FM-Stereo switch is on "stereo" position.

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 included in the carton the following:

1. INSTRUCTION BOOKLET
2. WARRANTY CARD

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

Your Teeco unit has been very carefully inspected and tested at the factory and normally should require no service other than a semi-annual check of the tubes. Each unit is warranted to be free from defects in material and workmanship under normal use and service for a period of 90 days from date of delivery to the original purchaser. If any unit appears to be defective, the factory will repair any unit returned within said 90 days, providing all transportation charges are pre-paid, and which our examination shall disclose to our satisfaction to be defective.

This Warranty does not include free labor, nor is it applicable to any unit which shall have been subject to accident, tampered with, mis-used, abused, or altered in any manner whatsoever. Further, this Warranty shall not apply to any unit which has been connected improperly.

It is recommended that any unit on which service is required, be processed through your dealer 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.

INSTALLATION

It is imperative that Model 285 Multiplex Adaptor be placed alongside the tuner or receiver and not on top of it as undue heat will affect the stable operation of the circuitry. It is highly desirable that it be placed in an area of adequate ventilation. Although the unit has ample vents for normal ventilation, sufficient space should be allowed around it to permit free air flow.

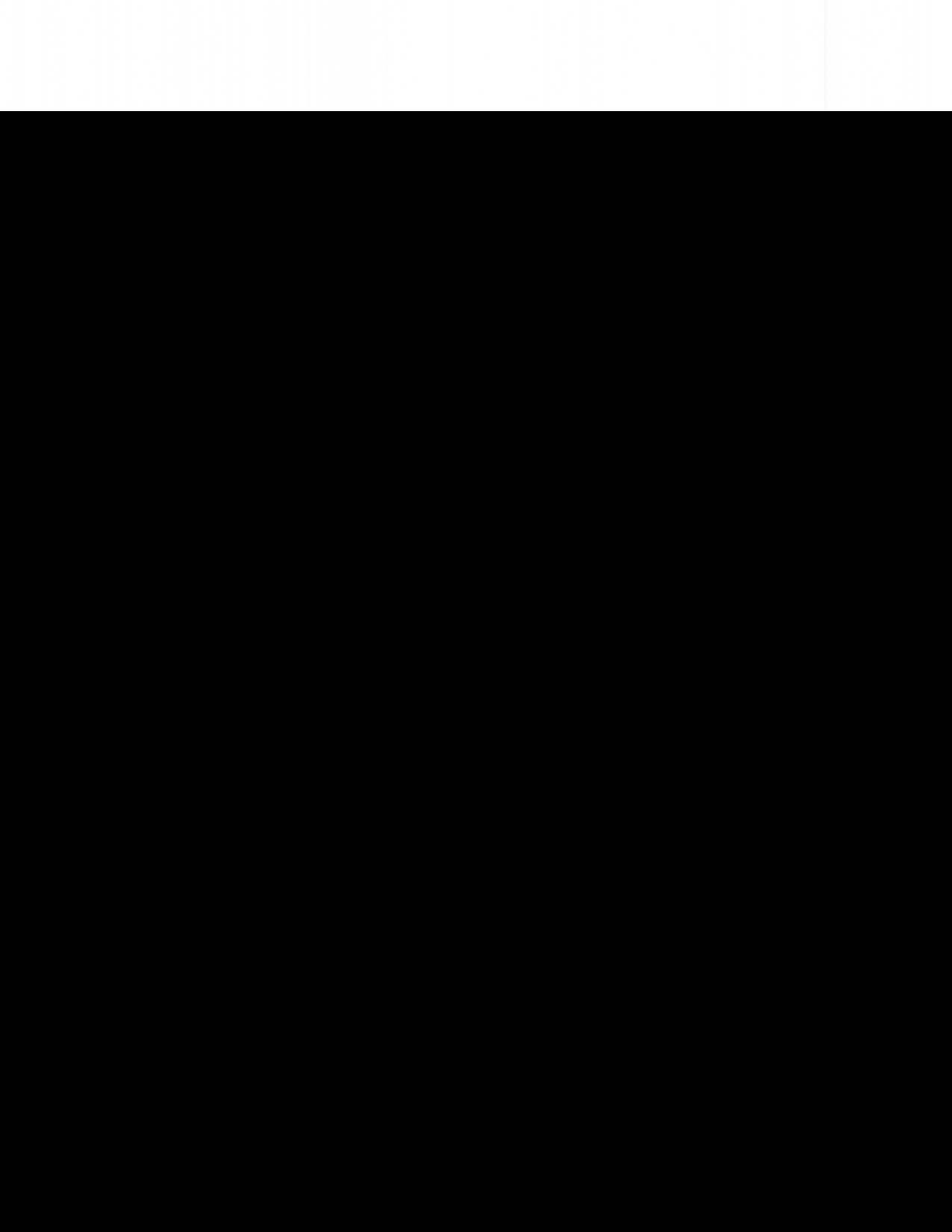
Do not put books or other objects on top of the unit as this will reduce the ventilation and result in reducing the life of the components and tubes.

If it is installed in a cabinet, the cover should be removed to permit greater ventilation.

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

TRUTONE ELECTRONICS, INC.

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CONNECTIONS

Three shielded cables supplied with the unit are used to connect the adaptor to both the tuner and the stereo amplifier. One end of one shielded cable is to be plugged into the "Multiplex" jack on the rear of the adaptor and the other end of the same cable into the "Multiplex" jack of the tuner. One end of the second cable is to be plugged into the "Channel Left" jack on the rear of the adaptor and the other end into the "Channel 1 Tuner" or "Channel 1 AUX" jack of the amplifier. The third cable is to be plugged into the "Channel Right" jack on the rear of the adaptor and into the "Channel 2 Tuner" or "Channel 2 AUX" jack of the stereo amplifier.

OPERATION

To turn on the Adaptor, set the "Power On-Off" slide switch to the "on" position, at which time the red indicator light will glow.

Turn the "FM-Stereo" slide switch to the "on" position when it is desired to listen to an FM station broadcasting a stereo multiplex program. When this switch is in the "on" position, the green indicator light will glow.

When the FM station is broadcasting a monaural program, the "FM-Stereo" switch may be turned either to the "on" or the "off" position, whichever sounds best to the listener.

To find out if the FM station is broadcasting a stereo multiplex program, proceed as follows. Turn the "FM-Stereo" switch to the "on" position. Turn the Separation control knob on the front of the panel to the extreme left. If a program is clearly heard, the station is broadcasting stereo multiplex. If no program is heard, the station is not broadcasting stereo multiplex.

For best stereo multiplex reception, turn the Separation control knob, starting from the extreme left, and slowly advance it toward the right. You will notice that the channels will tend to blend together until at the far right the program will seem to sound monaural. Set the control knob at the point at which you have the greatest stereo-
phonic effect.

SERVICE ADJUSTMENTS

When Model 285 is installed, it is seldom necessary to make any service adjustments; however, in isolated cases a "motorboating" or "putt-putt" sound may be heard when listening to a stereo multiplex program. To eliminate this sound, it is necessary to adjust the unit as follows.

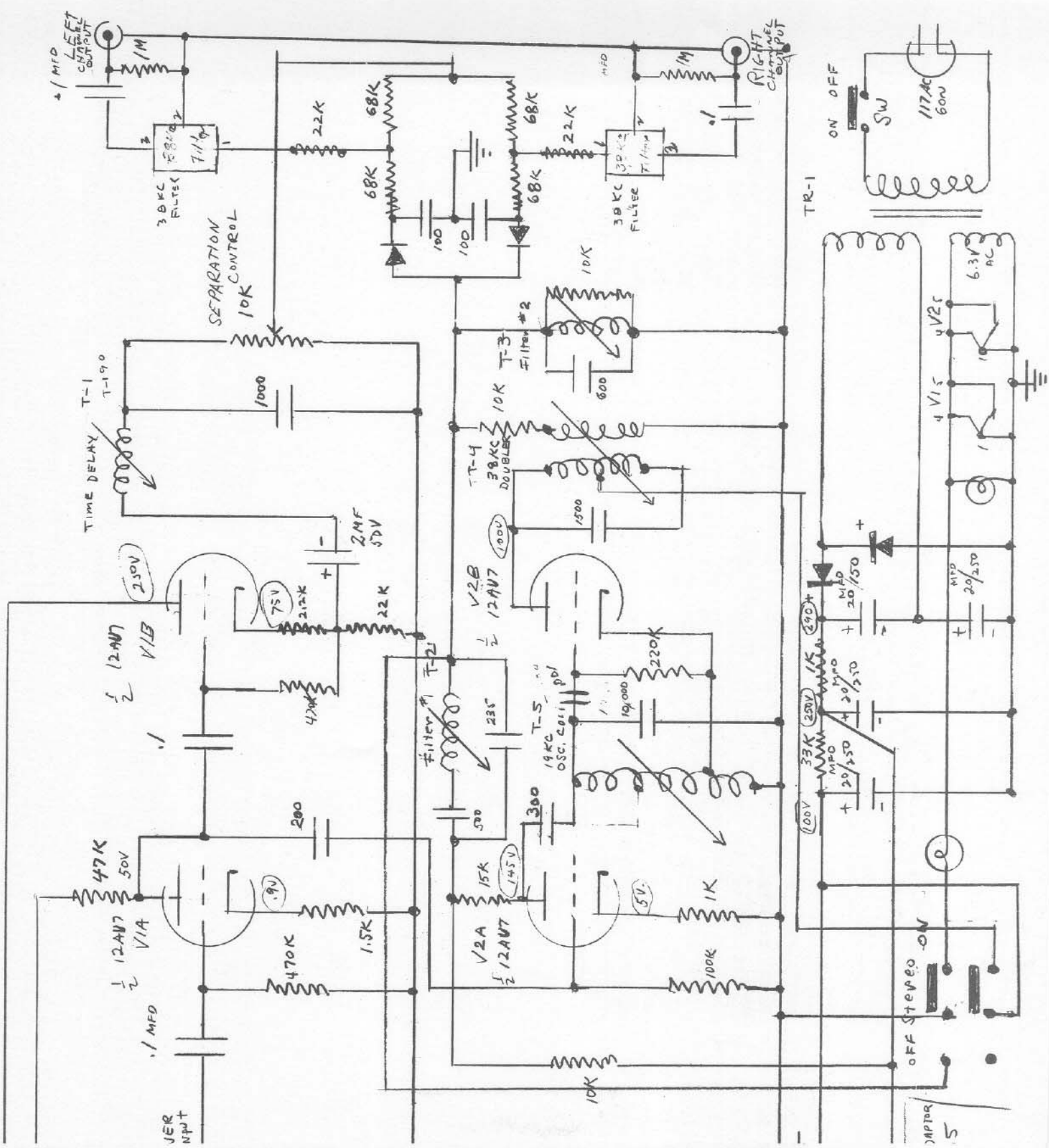
Turn Separation control to extreme left position and adjust oscillator coil through hole in the bottom plate of the adaptor (use Walsco or equivalent alignment wrench). Turn slightly to right or left for maximum and clearest sound. Readjust Separation control as indicated under OPERATIONS.



PLEASE NOTE:

The point of greatest stereo effect will not necessarily be found at the center of the dial scale. As a rule it will tend to be at a point between the first and fourth markers on the left side of the scale; however the exact position will vary according to the tuner with which the multiplex adaptor is used.

If a "motorboating" or "putt-putt" sound is heard on one or more stereo programs whereas on others the programs are clear, it will be necessary to use an outside antenna so that all stations broadcasting stereo multiplex are heard clearly.



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