

**TK-150**  
**150 Watt Transformer**  
**for 70.7/100 Volt Lines**  
**Installation Instructions**



### Tools Required:

1. #2 Phillips Screwdriver
2. 3/16" (5 mm) Flat Blade Screwdriver

### High Pass Filter Requirements:

The TK-150 is designed to be used with a 50 Hz Butterworth 24 dB/octave active high-pass filter inserted in the signal chain at the input to the driving amplifier. This filter protects the amplifier from damage caused by transformer saturation at low frequencies and allows any number of transformers to be driven on the same line, up to the rated power of the amplifier. Following the parameters below, the TK-150 is capable of delivering up to 300 Watts to the loudspeaker by connecting a 100V drive line to the tap labeled "DO NOT USE" (150W at 70.7V) if a Butterworth 24 dB/octave active high-pass filter tuned to 66 Hz or higher is inserted in the signal chain at the input to the driving amplifier.



Failure to use the proper high-pass filter may result in damage to the amplifier!

### Instructions:

1. Note the original orientation and remove the input panel by removing the eight screws securing it.
2. Carefully unplug the crossover wiring harness from the 7-pin header.
3. With the green circuit board on the right, place the transformer in the pocket provided for it on the left with the lead wires from the transformer pointing toward you.
4. Secure the transformer mounting ears to the four input panel bosses with the four #10 screws provided. Carefully tighten the screws evenly in an X-cross pattern to avoid warping the plastic input panel.
5. Unplug the 8-position jumper connector located at right angle to the 7-pin crossover header and plug in the 8-position wiring harness connector from the transformer to the 8-pin header in place of the jumper.
6. Reconnect the 7-position connector from the crossover to the 7-pin header.
7. Reinstall the input panel in the same orientation it was in before removal. Do not install backwards!
8. Apply the new label (supplied) over the input connectors and confirm the switch card is set for "FULL RANGE PASSIVE" operation.



Bi-Amp operation is not possible with a TK-150 installed!

9. Connect the (-) input line to the COM input terminal and the (+) input line to the terminal corresponding to the desired wattage in either the 70.7V or 100V column. Each group of four terminals is electrically connected in parallel to the group of four terminals directly across from it. The wattages charted in these two columns represent the wattage available from each of the three transformer taps at the designated voltage.



This transformer is intended to affect only the loudspeaker in which it is installed. When "Daisy Chaining" additional systems, connect the wires to the next system only to those terminals directly opposite the input wires. Improper connection may result in damage to the transformer, successive loudspeakers, the driving amplifier or any combination thereof!



Tighten all unused connector screws to prevent rattles!

**Electro-Voice®**

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Specifications subject to change without notice.