

Super Amp MKII

Stereo Vacuum Tube Power Amplifier

Operation Manual

NOTE:

Before installing your new component, please read this manual carefully as it will inform you of the specifications, proper installation and operation procedures. Also included in this manual are guidelines on how to service and care for your new Audio Electronics product.

TABLE OF CONTENTS

Important Safety Instructions	2-4
Welcome	
Overview	5
Unpacking and Installation	6
Specifications	
Basic Specifications	7-8
Operation	
AC On Power Switch	9
Bias Measurement.....	9
The Break-In Period	10
Power Requirements	10
Cables	10
Controls & Displays	
Front Panel	11
Rear Panel	11
Triode Operation Modification.....	12
Service and Care	
Care and Cleaning	13
Tube Replacement.....	13
Factory Service	13
Non-Warranty Repairs	13
United States Limited Warranty	14

IMPORTANT SAFETY INSTRUCTIONS

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture. The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of un-insulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



CAUTION: To reduce the risk of electric shock, do not remove the cover. There are no user serviceable parts inside. Please refer to qualified personnel for service.

ALERT: The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the component.

1. **READ ALL INSTRUCTIONS:** All the safety and operating instructions of your Audio Electronics equipment should be read before power is applied to the equipment.
2. **RETAIN OWNER'S MANUAL:** These safety and operating instructions should be retained for future reference.
3. **HEED WARNING:** All warnings on the unit and in the operating instructions should be adhered to.
4. **FOLLOW INSTRUCTIONS:** All operating and use instructions should be followed.
5. **CLEANING:** Unplug the unit from the wall outlet before cleaning. The unit should be cleaned only as recommended by the manufacturer.
6. **ATTACHMENTS:** **Do not** use attachments not recommended by the unit manufacturer as they may cause hazards.
7. **WATER AND MOISTURE:** **Do not** use the unit near water – for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool.
8. **ACCESSORIES:** **Do not** place the unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall, causing serious injury to a child, an adult, or damage to the unit. Mounting of the unit should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.
9. **VENTILATION:** Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the unit and to protect it from overheating. These openings must not be blocked or covered. The top or bottom panel openings should never be blocked by placing the unit on a bed, sofa, rug, or other similar surface. The unit should not be installed in a built-in location such as a bookcase or rack unless proper ventilation is provided. There should be free space of at least 6 inches (16cm) above the unit and an opening behind the unit.
10. **GROUNDING OR POLARIZATION:** The unit may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you cannot insert the plug fully into the outlet, try reversing the plug. If the plug should fail to fit, contact a licensed electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
11. **POWER SOURCES:** The unit should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your unit dealer or local power company.
12. **POWER CORD PROTECTION:** Power supply cords should be routed so that they are unlikely to be walked on or pinched by items placed on or against them. Pay close attention to cords where they enter a plug, or a convenience receptacle, and the point where they exit from the unit.
13. **OUTDOOR ANTENNA GROUNDING:** If an outside antenna or cable system is connected to the unit, be sure the antenna or cable system is grounded so as to provide protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, NSI/NFPA 70, provides information regarding proper grounding of the mast and supporting structure, grounding of the lead-in wire to an Antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

IMPORTANT SAFETY INSTRUCTIONS

14. **LIGHTNING:** For added protection for the unit during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the unit due to lightning and power line surges.
15. **POWER LINES:** An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, take extreme care to keep from touching such power lines or circuits as contact with them might be fatal.
16. **OVERLOADING:** Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
17. **OBJECT AND LIQUID ENTRY:** Never push objects of any kind into the unit through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the unit.
18. **SERVICING:** Do not attempt to service the unit yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
19. **REPLACEMENT PARTS:** When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
20. **SAFETY CHECK:** Upon completion of any service or repairs to the unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.
21. **WALL OR CEILING MOUNTING:** The unit should be mounted to a wall or ceiling only as recommended by the manufacturer.
22. **HEAT:** The unit should be situated away from heat sources such as radiators, heat registers, stoves, or other units (including amplifiers) that produce heat.
23. **IMPORTANT SAFETY NOTE:** Before connecting a new component to your audio or home theater system it is always good practice to make certain that all components are turned off, and preferably unplugged from their AC power source. Many modern electronics products feature automatic turn-on circuits that may be activated during an installation, causing the potential for damage to electronic components and/or speakers. Such damage is not covered by product warranties and Audio Electronics specifically disclaims responsibility for any such damage.

Power Cord: The removable power cord that is shipped with the player is specifically designed to be used with this product. Other AC cords may be used, so consult your dealer for advice on AC power cords and high quality wire in your system.



AC Fuse: The fuse is located inside the chassis and is not user serviceable. If power does not come on, contact your authorized service representative.

Wiring: Cables that run inside of walls should have the appropriate markings to indicate compliance with, and listing by the UL, CSA or other standards required by the UL, CSA, NEC or your local building code. Questions about cables inside of walls should be referred to a qualified custom installer, or a licensed electrician or low-voltage contractor.

Do Not Open the Cabinet: There are no user serviceable components inside this product. Opening the cabinet may present a shock hazard, and any modification to the product will void your warranty. If water or any metal object, such as a paper clip, coin, or staple accidentally falls inside the unit, disconnect it from the AC power source immediately and contact Audio Electronics for further instructions.

24. **RECORDING COPYRIGHT:** Recording of copyrighted material for other than personal use is illegal without permission of the copyright holder.
25. **NOTE TO CATV SYSTEM INSTALLER:** This reminder is provided to call the CATV system installer's attention to article 820-40 of the NEC, ANSI/NFPA 70, which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

IMPORTANT SAFETY INSTRUCTIONS

26. FCC INFORMATION FOR USER:

CAUTION: ANY changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules.

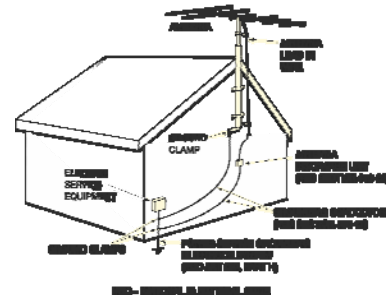
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from where the receiver is connected.

27. OUTDOOR ANTENNA INSTALLATION/SAFE ANTENNA AND CABLE CONNECTION:

If an outside antenna or cable system is connected to the equipment, be sure the antenna or cable system is grounded so as to provide protection against built up static charges and voltage surges, Section 810 of the national Electrical Code, ANSI/NFP A70 (in Canada, part 1 of the Canadian Electrical Code) provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements for the grounding electrode.



Keep Antenna Clear of High Voltage Power Lines or Circuits

An outside antenna system should be located well away from power lines, electric light or power circuits and where it will never come into contact with these power sources if it should happen to fall. When installing an outside antenna, extreme care should be taken to avoid touching power lines, circuits or other power sources as this could be fatal. Because of the hazards involved, antenna installation should be left to a professional.

WELCOME

OVERVIEW

Dennis J. Had, the founder and president of Cary Audio Design, speaks about the new Audio Electronics Super Amp MKII amplifier design.

Dear Audiophile Friend:

I am so pleased and excited about the new Audio Electronics Super Amp MKII stereo amplifier. I have spent countless hours designing and refining this very special vacuum tube amplifier.

On numerous occasions, my business partner, Billy Wright, warned me that we did not want to jeopardize the success of the highly acclaimed Super Amp stereo amplifier. "Are you sure you can deliver the same sweet and intoxicating sound of the original Super Amp?" I was also hearing from the field that the Super Amp maybe one of the best sounding amplifiers of all time. Some audio magazine reviewers were stumbling over descriptive words for the Super Amp. "At \$1200, the Super Amp is beyond comparison."

I must confess that the first renditions of the new Super Amp MKII did not come up to the sonic greatness of the original Super Amp. This was going to be a tough effort to produce a sonic presentation equivalent to the lower powered (12 watt) triode class A Super Amp. As soon as you change a basic design to produce more power, the end result many times is more power but at a cost of the sonic merits. In retrospect, I believe this challenge forced me to take a more conservative time frame approach. I mean, when I get excited about a conceptual product, I am flat out day and night designing. I can hardly wait to listen and in turn, get the product into production.

The new Super Amp MKII started life in March of 2006. The design goal was to offer a 40 watt per channel Super Amp, operating in a class A/B push-pull ultra-linear design. Another design goal was to offer a sensitive input drive level to allow passive line level control of a CD player input. Of course the new matching AE-3 MKII active preamplifier is the best sonic match for the Super Amp MKII.

I soon discovered this new design would call for a complete redesign of the input drive circuit along with a new output transformer design. I also wanted to give this new baby a fresh new look. Well to speed things up... I completed the new design in November of 2006. Does the new Super Amp MKII meet and beat the original Super Amp? You bet!!!! I love it, and I believe you will as well.

Enjoy the music in your home with your new Super Amp MKII.

God Bless you and your family.

Dennis

Each Audio Electronics Super Amp MKII is designed for long term stability in virtually any home operating situation. However, if the unit is operated outside the parameters outlined in this owner's manual, damage may result. Please read this manual carefully before putting your new component into operation.

WELCOME

UNPACKING AND INSTALLATION

This section describes the unpacking and installation procedures for your new component.

Unpacking

All Audio Electronics shipping cartons have been specially designed to protect their contents and special care has been taken to prevent damage under normal shipping conditions. Mishandling should be evident upon inspection of the shipping container. If shipping damage is found after visual inspection, take care not to destroy the evidence. If necessary, document the damage with photographs and contact the transport carrier immediately.

Carefully remove your new component from its packing carton and examine it closely for signs of shipping damage. We strongly recommend saving all original packing cartons to protect your component from damage should you wish to store it or ship it at a later date.

Warranty Card

If you are the original purchaser of this unit and you purchased it in the United States, you should fill out the enclosed warranty registration card and return it to Audio Electronics within 15 days of your purchase. Audio Electronics also suggests that you keep your original packing cartons in case you ever need to ship the unit when moving to a new home. Warranty restrictions apply. Consult the warranty section of this manual for details. Please be certain to keep a copy of the original sales receipt from your Authorized Audio Electronics dealer to validate the warranty if ever needed.

SPECIFICATIONS

The following section describes the Super Amp MKII basic specifications. The specifications are subject to change without notice or obligation.

BASIC SPECIFICATIONS

Circuit Type	Push-Pull Class AB Ultra-linear Class A/AB Triode push-pull (simple mod)
Power Output	40 Watts – Ultra-linear 20 Watts – Triode (mod kit included)
Input Sensitivity	1 volt for full output
Noise and Hum	80 dB below rated output
Frequency Response	15 Hz to 50,000 + 0-3.0dB at one watt output
Tube Compliment	1 – 6SN7 Input Tube 2 – 6SN7 Driver Tubes 4 – EL-34 Output Tubes
Transformers	1 – EI laminated core power transformer 2 – Special bi filar wound output transformers 1 – High voltage filter choke 200% duty cycle on all transformers
Resistors	1% metal film resistors
Audio Capacitors	Kimber Kap coupling caps
Power Supply Capacitors	2 – 560 MFD @ 400VDC 1 – 47 MFD @ 450VDC
AC Cord	3 conductor 16 gauge, detachable
AC Power Requirements	115 volts AC 50/60 Hz 200 watts operate 230 volts AC 50/60 Hz 200 watts operate
Warm-Up Time	3 minutes
Break-in Period	100 hours of music playing time
Finish	Black powder coat with silver silk screen Optional: Any Jaguar color automotive finish with clear coat
Weight	42 lbs.
Dimensions	7" H x 9" W x 15 ¼" D

Special Note: The amplifier circuit runs at low enough voltage in the Super Amp MKII that it can use the following output tubes: 6L6, 6V6, EL-34, 6CA7, KT-66, KT-77, KT-88, KT-90 or 6550. The EL-34 tubes are standard.

SPECIFICATIONS

The Super Amp MKII optional features include:

- 4 – 51 ohm 3 watt triode resistors (included with initial shipment)
- 4 – KT-90 output vacuum tubes
- 4 – .22/600 VDC Audio One oil and film coupling caps
- 1 – Analog 0-200 ma. Bias adjustment meter
- 4 – Soft shoe isolation feet
- Custom automotive clear coat paint colors

OPERATION

Your new Super Amp MKII is ready for operation after the speaker, interconnect cables and tubes have been installed. Signal input connection is made via the input jack on the rear of the amplifier located next to the output binding posts. The interconnect cables from the output of the preamplifier can be any convenient length your set-up requires. The choice of a high quality interconnect cable is important. Once again, your audio dealer will have the proper cables in stock for this purpose.

AC ON POWER SWITCH

Rotate the AC power switch to the right. The amplifier will turn ON, and the blue and red LED's will light. The B+ voltage along with appropriate bias voltage will power up. The blue LED is an indication of filament voltage and the red LED is an indication the B+ plate voltage is operating.

BIAS MEASUREMENT

Your new Super Amp MKII has come from the factory with pre-adjusted bias setting. Since all AC wall outlet voltages vary according to location, you need to check and/or reset the tube bias current. This is a simple procedure using the supplied bias jack cord set that came with your Super Amp MKII.

An analog or digital multi-meter is required to perform this test and setting.

PLEASE NOTE

THE TEST METER MUST BE IN THE DC MA. CURRENT POSITION! FAILURE TO USE THE DC CURRENT READING WILL RESULT IN DAMAGE TO THE OUTPUT TUBES BECAUSE OF IMPROPER READINGS!

Follow the steps listed below.

Initial bias check: Plug the ¼" male bias plug into the rear apron bias jack. Hook the red alligator clip to the positive test lead of a digital or analogue test meter. Hook the black alligator clip to the negative test probe of the meter. Make sure the meter is in the **DC CURRENT** range. This is very important... if the meter is set in the DC voltage position the reading will be completely wrong. Please check and double check to make sure you are in DC current mode. Turn on the Super Amp MKII with the front panel AC power switch. As the amplifier warms up you will notice the DC current readings. The basic operation range should be 200 ma. DC current after five minutes of operation. This value will vary plus or minus 10 to 15 ma. with changing AC wall socket voltages. This is normal and does not change the basic performance of your Super Amp MKII.

Bias Adjust: Use a conventional flat blade screw driver to rotate the bias adjustment pot on the rear of the Super Amp MKII. Turning the pot to the right (clockwise) will increase the bias current setting. Turning the pot to the left (counter clockwise) will decrease the bias current setting.

New Tube Bias: When replacing output tubes or simply "tube rolling" with different types of output tubes please start the bias procedure as above with the initial setting of the bias pot in the full counter clockwise (left) position. This is the zero (0) bias setting. After the amplifier has warmed up for a few minutes rotate the bias pot slowly in a clockwise direction to the 200 ma. setting on a DC current meter.

OPERATION

THE BREAK-IN PERIOD

The tubes, capacitors and output transformers take approximately 100 hours of music playing to fully settle in for peak performance. The Super Amp MKII will sound good when first out of the box. After the first couple of hours you will notice increased depth and tighter bass. This break in period is true with vacuum tube audio amplifiers as the tubes finish their "burn in" cycle in the first 100 hours of use.

WARNING!

MAKE SURE THE COMPONENT IS UNPLUGGED FROM AC MAINS BEFORE SERVICING.

POWER REQUIREMENTS

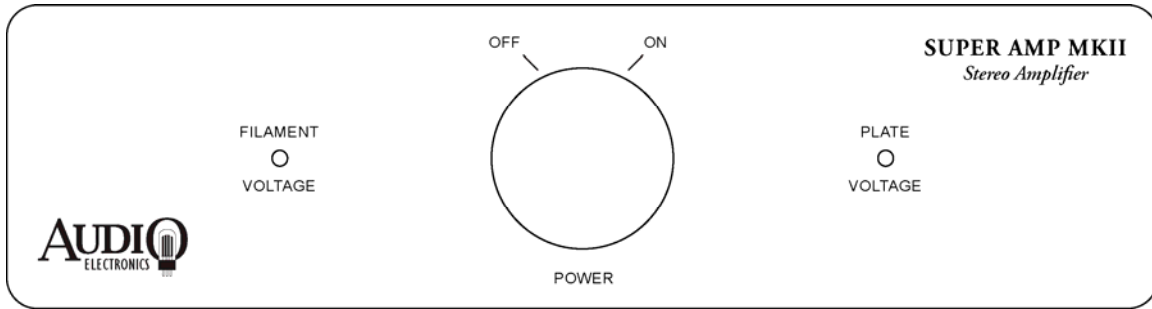
The Super Amp MKII is designed to operate from house current mains. The design voltage is 115 VAC at 50/60 Hz. (Foreign units 230 VAC at 50/60 Hz.)

CABLES

The speaker cables from the output posts of the Super Amp MKII to the speaker system can be any convenient length your set-up requires. Select speaker cables of sufficient size to preserve the outstanding performance capabilities of your Super Amp MKII. Heavy gauge #16 wire is suitable for distances up to 10 feet; #12 for 25 feet. Most audio dealers will have proper speaker cable in stock for this purpose.

CONTROLS & DISPLAYS

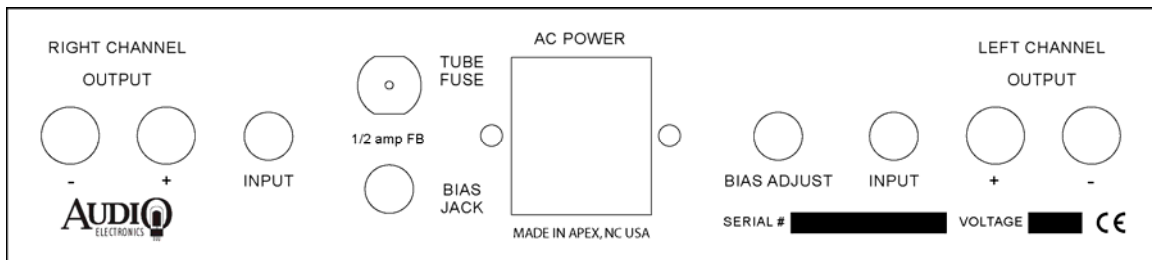
FRONT PANEL



POWER ON/OFF SWITCH

- Turn the AC power switch to the right to turn the Super Amp MKII ON.

REAR PANEL



OUTPUTS

- The 5-way speaker binding posts provide the output to the speaker system. (Red = + Positive, Black = - Negative).
- Bare wire, banana plugs or spade lugs may be used. Do not over tighten the connection.

INPUTS

- Signal input connection via shielded RCA interconnect cable.

TUBE FUSE (Bias Circuit)

- Cathode current output tube fuse. Never replace with any other fuse than a **1/2 Amp** Fast Blow type fuse.

BIAS JACK

- 1/4 inch 2 conductor plug for measuring DC current in the bias circuit.

AC POWER

- 3 conductor power cord supplied. After market cables may be also be used.

AC POWER FUSE

- Use only **3 Amp** slow blow for 115 volt units.
- Use **2 Amp** slow blow on 230 V export versions.

BIAS ADJUST

- Potentiometer to adjust bias current of EL-34 output tubes (200 ma. \pm 10-15 mA).

CONTROLS & DISPLAYS

CAUTION

USE OF ANY OTHER INCORRECT VALUE PROTECTION FUSE CAN DAMAGE THE UNIT.

CAUTION

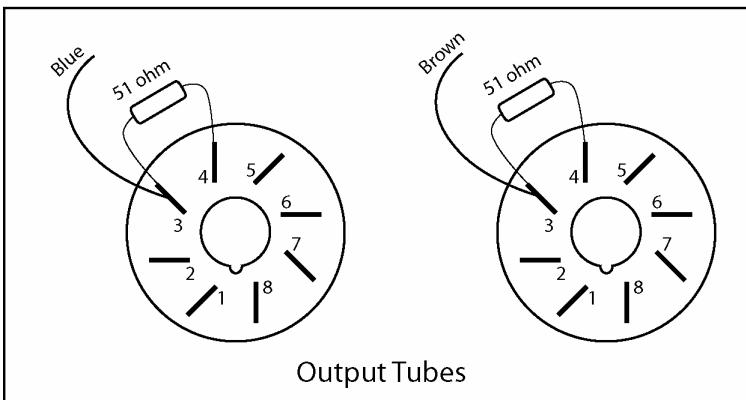
NEVER REMOVE OR INSERT THE AC POWER LINE CORD WHEN THE UNIT IS TURNED ON.

TRIODE OPERATION MODIFICATION

If you would like to have an even more lifelike performance from your Super Amp MKII you may wish to strap the MKII in the triode mode. If your loudspeakers are in the range of 87 dB sensitivity or more then the triode mode should give you plenty of power in a home listening environment. Simply look to the following enclosed pictures and follow the simple unsoldering and soldering steps.

The conversion from ultra-linear to triode operation of the Super Amp MKII is straight forward. **Important!** Before removing the bottom cover, make sure that ALL tubes are removed.

TRIODE MODE



1) Make sure the Super Amp MKII is unplugged!

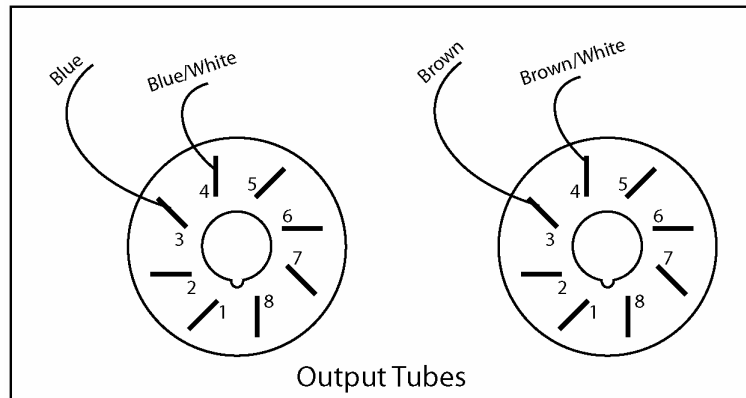
2) Remove the bottom cover by unscrewing the Phillips screws.

3) Locate the blue/white wires leading to pin #4 of the output tubes sockets.

4) Unsolder this blue/white lead from each channel tube socket.

5) Use the enclosed heat shrink and cover the end of each of these leads.

ULTRA LINEAR MODE (standard)



6) Locate the brown/white wires leading to the other output tubes socks and unsolder these leads from pin #4.

7) Same as above, place the heat shrink over the bare ends of the leads and heat with a hair dryer or a heat gun.

8) Solder the four (4) 51 ohm/3 watt resistors (one each tube socket) between pin #3 and #4 as shown in the pictorial drawing.

9) Check your work and replace the bottom plate on the amplifier.

SERVICE AND CARE

CARE AND CLEANING

The cabinet housing and front panel of this unit may be cleaned with a soft cloth and Windex or a window cleaner. The frequency of cleaning will be governed by how many hours the component is operated and by operating environment cleanliness. Deluxe paint finishes are easily cleaned with a feather duster. Do not use acetone to clean the finish or it will remove the labels.

TUBE REPLACEMENT

If it becomes necessary to replace the tubes in the amplifier, a matched set of output tubes of the same name brand should be used. A new tube kit is available from Audio Electronic Supply. You should get a few years or more from the output tubes with everyday usage and many years of use from the smaller tubes.

FACTORY SERVICE

Careful consideration has been given to the design of this component to keep maintenance problems to a minimum. Any problems or requests for service should be referred to our Customer Service Department at 919-355-0010. DO NOT return the unit to the factory without a return authorization number (RA) from the Customer Service Department.

Audio Electronics will assume no responsibility if the shipping company refuses to pay for damage due to your improper packing or lack of insurance should the unit be lost or damaged in shipment. Please retain and always use the original shipping carton for shipping the player.

NON-WARRANTY REPAIRS

Audio Electronics will provide repair service for its products charging on a time and expense basis. At this time, the standard non warranty service bench fee is \$125 with all parts used for repair charged extra. This may change and is not a quote for service. Please call us at 919-355-0010 for more information about out of warranty service and repair fees.

WARNING!

MAKE NO ATTEMPT TO PUT THE SUPER AMP MKII IN SERVICE WITH THE BOTTOM PLATE REMOVED - CONTACT WITH THE HIGH VOLTAGES FOUND INSIDE THE CHASSIS CAN BE FATAL!

COMPLETELY REMOVE THE AC PLUG FROM THE WALL AND ALLOW 30 MINUTES FOR THE HIGH VOLTAGE CAPACITORS TO DISCHARGE THROUGH THE BLEEDER RESISTORS BEFORE ATTEMPTING TO CHANGE THE TUBES.

CAUTION

Never remove or insert the back panel AC plug when the unit is on or the AC cord is plugged into the wall.

UNITED STATES LIMITED WARRANTY

Audio Electronics warrants to the original United States purchaser for use in the United States that this product shall be free from defects in parts or workmanship for three (3) years from the date of the original purchase. This is a limited warrant, for the original purchaser only and does not transfer to any subsequent owner.

During the limited warranty period, Audio Electronics will provide free of charge both parts and labor necessary to correct any defects in material or workmanship.

To obtain such warranty service, the original purchaser must:

1. Complete and send in the warranty Registration Card within 15 days of purchase.
2. Notify Audio Electronics as soon as possible after the discovery of a possible defect and submit the following information to determine eligibility for warranty:
 - (a) The model number and serial number;
 - (b) A fully filled in copy of the original sales receipt showing the original selling price, purchasers name and address filled in by an AUTHORIZED AUDIO ELECTRONICS DEALER with the original date of purchase shown on the form;
 - (c) a detailed description of the problem.
3. Deliver the product to Audio Electronics or the nearest authorized service facility or ship with all freight and insurance charges prepaid, in its original packing container or equivalent, to Audio Electronics.

Correct maintenance, repair and use are important to obtain performance from this product. Therefore, please carefully read the Operating Manual. This warranty does not apply to any defect that Audio Electronics in its sole discretion determines is due to:

1. Improper maintenance or repair, including the installation of parts or accessories that do not conform to the quality and the specifications of the original parts.
2. Misuse, abuse, neglect or improper installation.
3. Accidental or incidental damage.

WARRANTY DISCLAIMER

Except for the express warranties stated herein, Audio Electronics disclaims all other warranties including, without limitation, all implied warranties of merchantability and fitness for a particular purpose. The foregoing constitutes Audio Electronics' entire obligation with respect to this product, and the original purchaser and any user or owner shall have no other claim for incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you. This warranty gives legal rights and you may also have other rights, which vary from state to state.

EXCLUSIVE REMEDY

Notwithstanding the foregoing, the purchaser's exclusive remedy for any breach of warranty, express or implied, is limited to the repair or replacement of the defective unit or the refund of the purchase price, at the option of Audio Electronics. Under no circumstances is Audio Electronics liable for incidental or consequential damages. Any implied warranties imposed by law terminate one (1) year from the date of purchase.

INTERNATIONAL PURCHASERS (Export markets)

Audio Electronics warrants its merchandise to purchasers within the United States exclusively for use within the United States of America. It provides no other warranties, expressed or implied. If you are living outside the USA, please consult with your local dealer or distributor to determine the details of your local warranty.