



MAGNAVOX CONSOLE STEREO POWER AMP MODIFIED

17 - 20 WATTS PER CHANNEL

- IDLE TUBES AT 25 TO 27.5 MA. EACH

Redrawn by Vern Jackson 11/02

THIS IS A REDRAW OF THE MAGNAVOX UNIT YOU CAN FIND ON THE NET ETC. USES 6BQ5 / EL84 TYPES FOR THE OUTPUT AND 6EU7 TYPES FOR AF DRIVE AND PHASE INVERTER. THE TRANSFORMERS ARE THE BEST SUB FOR THE ORIGINALS AND I HAVE TESTED THIS WITH PERFECT RESULTS!

I WILL BE MOVING THIS AMP TO THE 1060 MARRANTZ UNIT FOR A COMPLETE INTEGRATED AMPLIFIER USING SOLID STATE FRONT END WITH TUBE OUTPUT.

THIS IS AFTER MY MODIFICATIONS AND SHOULD BE DIALED ON A SCOPE FOR BOTH HALVES OF THE INVERTER STAGE. THE 50 K POTS CAB BE ADJUSTED FOR EQUAL SIGN WAVES VALUES THEN CHANGED TO A FIXED RESISTOR. THE POTS ARE GOOD FOR WHEN TUBE WEAR SHOWS OR YOU REPLACE THE 6EU7 AND NEED TO RE BALANCE. ALSO THE 1 OR 10 OHM RESISTORS ARE THERE FOR TAKING A CURRENT READING VIA A READING ON EITHER SIDE OF THOSE RESISTORS. THE 100 OHM POTS ON THE CATHODES ALLOWS FOR BALANCING THE OUTPUT TUBES TO EQUAL CURRENT FLOW AND THE FIRST 100 OHM POT THAT GOES TO THE HEATER BALANCE POT IS USED TO SET THE BASE IDLE CURRENT OF ALL THE TUBES.

THIS AMP USES A 5A4 RT REC TUBE IN STOCK FORM THE 5408 REC DIODES ARE MUCH TOUGHER THAN 4007 TYPES AND WILL WORK IN MOST AMPS AS THEY ARE RATED AT 3 AMPS AT 1000 VOLTS.

POWER HAMMOND 272 / F1.150 MA.