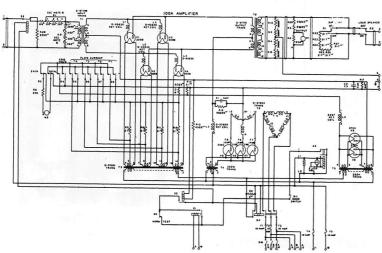
NO I-8 AMPLIFIER 100A, B

3-1-37

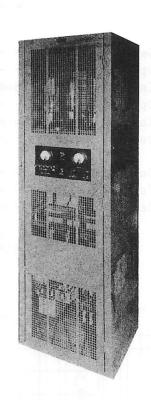
ELECTRICAL CHARACTERISTICS

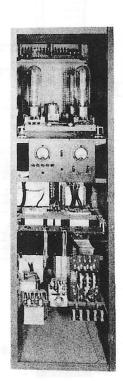
		1004	1008
GAIN AND INPUT CIRCUIT		Because of the fact grid current at high gain and internal inp with power output.	power output, both
		The gain is such that the primary of the in 1000 watts output.	
		The input coil opera The Internal Input Implows: 1000 Watts Output South Sout	
OPERATES INTO		8, 32, 72 or 130 Ohms	7 addet 1 co
INTERNAL OUTPUT IMPEDANCE		1/1.2 of Corresponding	Load Impedance.
OUTPUT PCWER		500 Watts at 2% Harmo 1000 Watts at 10% Har	
OUTPUT NOISE		-10 to -20 db depending	ng upon tubes.
POWER SUPPLY	FILAMENTS AND CONTROL CIRCUIT PLATE VOLTAGE	115 or 230 Volts 60" Three Phase	115 Volts 50-60° 5.3 Amps 600 Watts 115 Volts 50-60° Single Phase
	PLATE LOAD 1000 WATTS OUTPUT PLATE LOAD 500	2240 Volt Amperes 1925 Watts	
	WATTS OUTPUT PLATELOAD 250	1600 Volt Amperes 1400 Watts	
	WATTS OUTPUT	1210 Volt Amperes 1050 Watts	
	WATTS OUTPUT	950 Volt Amperes 800 Watts	
GAIN CONTROL		Fixed Pads 3 Steps, 3 db each	Fixed Pads 1 step, 3 db



EQUIPMENT CHARACTERISTICS

-	100A and 100B
WEIGHT	600 lbs.
SIZE	72" x 22" x 25"
MOUNTING	Self Contained in Relay Ruck Type Cabinet





NO	1-8A
AMPLIFIER	MODIFICATION
IOOA	
3-22-36	3

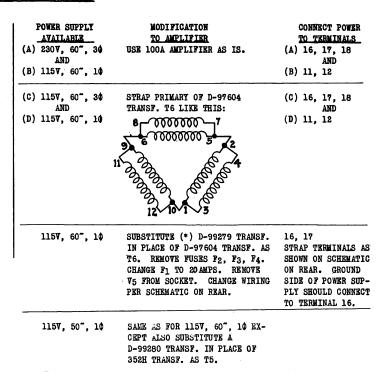
CONDITIONS FOR USE OF 100A AMPLIFTER ON VARIOUS POWER SUPPLY VOLTAGES

THE 100A AMPLIFIER, COVERED ON APPARATUS REFERENCE SHEET NO. 1-8, IS NORMALLY WIRED FOR USE ON 230 VOLTS, .60", 30 SUPPLY FOR THE PLATES AND 115 VOLTS, 60", 10 SUPPLY FOR THE FILAMENT AND CONTROL CIRCUITS. INFORMATION IS GIVEN IN THE COLUMN TO THE RIGHT FOR THE OPERATION OF THE AMPLIFIER ON THESE OR OTHER POWER SUPPLIES AS FOLLOWS:

115 VOLTS, 60°, 30 AND 115 VOLTS, 60°, 10 115 VOLTS, 60°, 10 115 VOLTS, 50°, 10

NOTE:

SINCE THE LINE CURRENT IN THE PLATE POWER SUPPLY INCREASES WITH INCREASED POWER OUTPUT FROM THE AMPLIFIER AN EXCESSIVE AMOUNT OF HARMONICS WILL BE INTRODUCED INTO THE AMPLIFIER OUTPUT UNLESS THE VOLTAGE REGULATION OF THE POWER SUPPLY IS SUCH THAT A CHANGE FROM HALF LOAD TO FULL LOAD IN THE PLATE SUPPLY CIRCUIT PRODUCES A CHANGE IN VOLTAGE AT THE AMPLIFIER TERMINALS OF NOT MORE THAN 2.5%.



*THE FOLLOWING PARTS ARE REQUIRED FOR THIS SUBSTITUTION. QUANTITIES ARE FOR ONE AMPLIFIER. ALL PARTS TO HAVE A ZINC PLATE 3A FINISH.

2 REQUIRED - MOUNTING PLATES AS DETAILED ON THIS SHEET

4 REQUIRED - HEX. HEAD IRON BOLTS 3/8"-16 x 1-1/4" LONG 4 REQUIRED - STANDARD IRON WASHERS FOR THE ABOVE 3/8" BOLTS

4 REQUIRED - STANDARD STEEL LOCK WASHERS FOR THE ABOVE 3/8" BOLTS

4 REQUIRED - STANDARD IRON HEX. NUTS FOR THE ABOVE 3/8"-16 VOLTS

4 REQUIRED - 1/2"-13 x 1-1/4" LONG F.H.I.M. SCREWS

4 REQUIRED - STANDARD STEEL LOCK WASHERS FOR THE ABOVE 1/2" SCREWS

4 REQUIRED - STANDARD IRON HEX. NUTS FOR THE ABOVE 1/2"-13 SCREWS

