

Magnavox MAINTENANCE MANUAL 4292

ISSUED: FEBRUARY, 1959

AMPLIFIER CHASSIS — AMP 169

GENERAL

Instruments which use this amplifier as initial equipment may be designed to play either conventional monaural records only, or the new stereophonic records as well as conventional monaural records. Other stereo instruments which use this amplifier as a supplementary (channel 2) Amplifier will have been converted to stereo reproduction by one of the stereo conversion units available.

As the amplifier is used as initial equipment with two different control units, schematic diagram and parts lists are shown for each control unit. The 700531 Control Unit is used with those instruments designed to reproduce only conventional monaural records. The 700699 Control Unit is used with all other instruments.

SPECIFICATIONS

Power Supply	
Source	117 volts
Frequency	60 cps.
Wattage	65 watts
Audio System	
Output	10 watts
Output Trans. Impedance	
Pri. 8000 ohms	Sec. 3.2 ohms

TUBE COMPLEMENT

Ref.	Function	Type
V101	AF Amp & Phase Inverter	6AN8
V101*	AF Amp & Phase Inverter	7199
V102	Power Output	6V6
V103	Power Output	6V6
V104	Rectifier	5Y3GT

*Used only on CB Version.

REPLACEMENT PARTS LIST

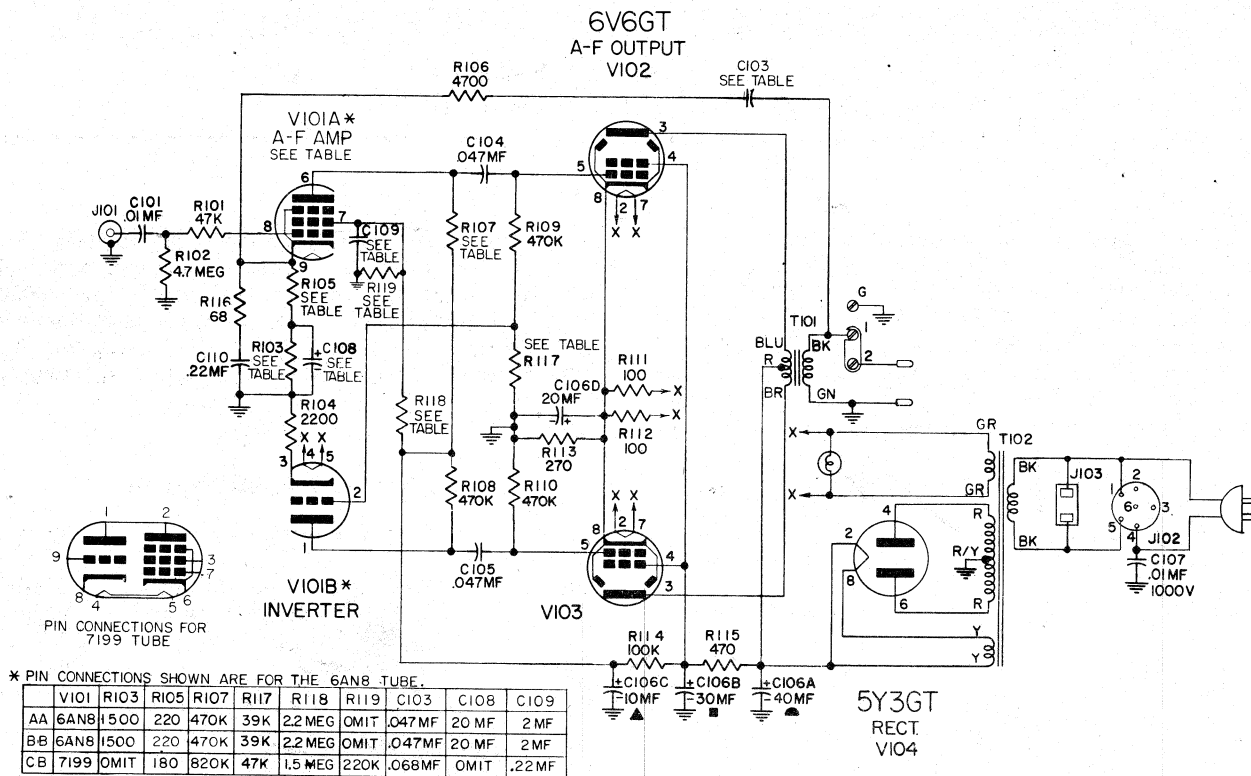
All resistors are 10%, 1/2W and all capacitors are 20%, 500V, unless specified otherwise.

AMPLIFIER CHASSIS						
SYMBOL	DESCRIPTION	PART NO.		SYMBOL	DESCRIPTION	PART NO.
RESISTORS				R118	1.5 meg	230104-100
R101	47K	230104-82		R119	220K	230104-90
R102	4.7 meg	230104-106		CAPACITORS		
R103	1500	230104-64		C101	Cer., .01 mf, 500V	250218-19
R104	2200	230104-66		R103	Paper, .047 mf, 400V	250211-11
R105	220	230104-54		C103	Paper, .068 mf, 400V	250211-11
R105	180	230104-53		C104	Paper, .047 mf, 400V	250211-11
R106	4700	230104-70		C105	Paper, .047 mf, 400V	250211-11
R107	470K	230104-94		C106	Elect., 40/30/10mf-450V, 20mf-25V	270021-56
R107	820K	230104-97		C107	Cer., .01 mf, 1000V	250219-2
R108	470K	230104-94		C108	Elect. 20 mf, 25V	270027-28
R109	470K	230104-94		C109	Elect. 2 mf, 350	270027-30
R110	470K	230104-94		C109	Paper, .22 mfd, 400V	250211-15
R111	100	230104-50		C110	Paper, .22 mf, 290V	250202-15
R112	100	230104-50		TRANSFORMERS		
R113	270, 2W	230106-1055		T101	Output	330038-1
R114	100K	230104-86		T102	Power	300078-2
R115	470, 2W	230106-1058				
R116	68	230104-48				
R117	39K	230104-81				
R117	47K	230104-82				
R118	2.2 meg	230104-102				

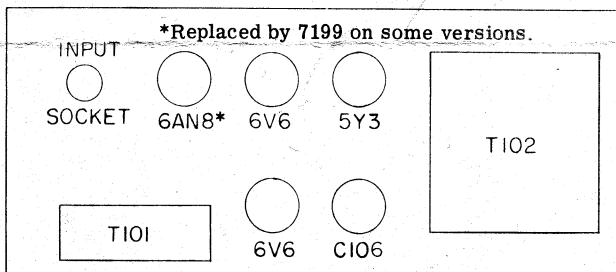
700531 - CONTROL UNIT						
SYMBOL	DESCRIPTION	PART NO.		SYMBOL	DESCRIPTION	PART NO.
RESISTORS				CAPACITORS		
R101	220K	230104-90		C101	Mica, 68 mmf, 300V	250224-426
R102	3 meg, Bass Control	220072-35		C102	Cer., 220 mmf	250218-5
R103	1 meg, Treble Control	220072-34		C103	Cer., 3300 mmf	250175-41
R104	68K	230104-84		C104	Mica, 33 mmf, 300V	250224-418
R105	3.3 meg, Volume Control	220131-12				

700699 - CONTROL UNIT						
SYMBOL	DESCRIPTION	PART NO.		SYMBOL	DESCRIPTION	PART NO.
RESISTORS				CAPACITORS		
R101	220K	230104-90		C101	Mica, 68 mmf, 300V	250224-426
R102	3 meg, Dual Bass Control	220151-6		C102	Cer., 220 mmf	250218-5
R103	1 meg, Dual Treble Control	220151-5		C103	Cer., 330 mmf	250175-41
R104	68K	230104-84		C104	Mica, 33 mmf, 300V	250224-418
R105	3.3 meg, Dual Volume Control	220151-4		C105	Mica, 68 mmf, 300V	250224-426
R106	220K	230104-90		C106	Cer., 220 mmf	250218-5
R107	68K	230104-84		C107	Cer., 3300 mmf	250175-41
R108	100K	230104-86		C108	Mica, 33 mmf	250224-418
R109	100K	230104-86		C109	Cer., 2000 mmf	250218-20
				C110	Cer., 2000 mmf	250218-20

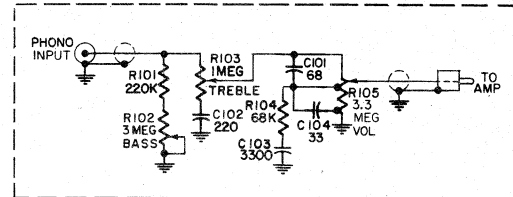
SCHEMATIC DIAGRAM



CHASSIS LAYOUT



700531 CONTROL UNIT



700699 CONTROL UNIT

