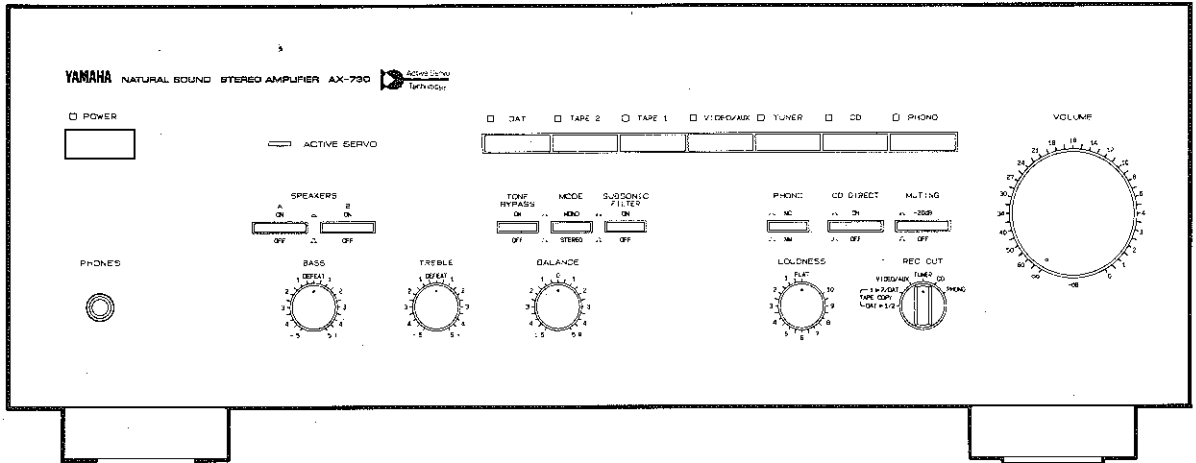


STEREO INTEGRATED AMPLIFIER AX-730

SERVICE MANUAL



B PL

IMPORTANT NOTICE

This manual has been provided for the use of authorized Yamaha Retailers and their service personnel. It has been assumed that basic service procedures inherent to the industry, and more specifically Yamaha Products, are already known and understood by the users, and have therefore not been restated.

WARNING: Failure to follow appropriate service and safety procedures when servicing this product may result in personal injury, destruction of expensive components and failure of the product to perform as specified. For these reasons, we advise all Yamaha product owners that all service required should be performed by an authorized Yamaha Retailer or the appointed service representative.

IMPORTANT: The presentation or sale of this manual to any individual or firm does not constitute authorization, certification or recognition of any applicable technical capabilities, or establish a principle-agent relationship of any form.

The data provided is believed to be accurate and applicable to the unit(s) indicated on the cover. The research, engineering, and service departments of Yamaha are continually striving to improve Yamaha products. Modifications are, therefore, inevitable and specifications are subject to change without notice or obligation to retrofit. Should any discrepancy appear to exist, please contact the distributor's Service Division.

WARNING: Static discharges can destroy expensive components. Discharge any static electricity your body may have accumulated by grounding yourself to the ground buss in the unit (heavy gauge black wires connect to this buss).

IMPORTANT: Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

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YAMAHA
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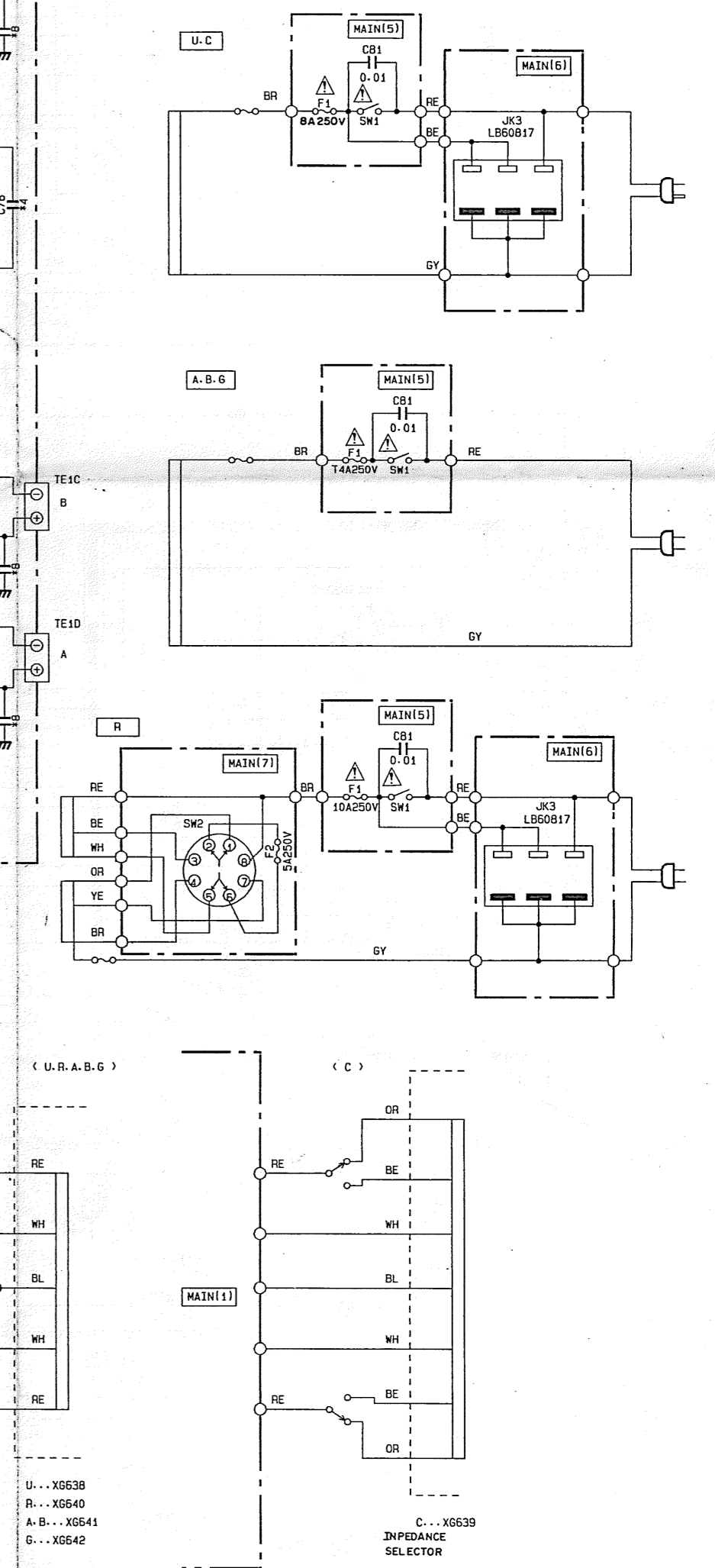
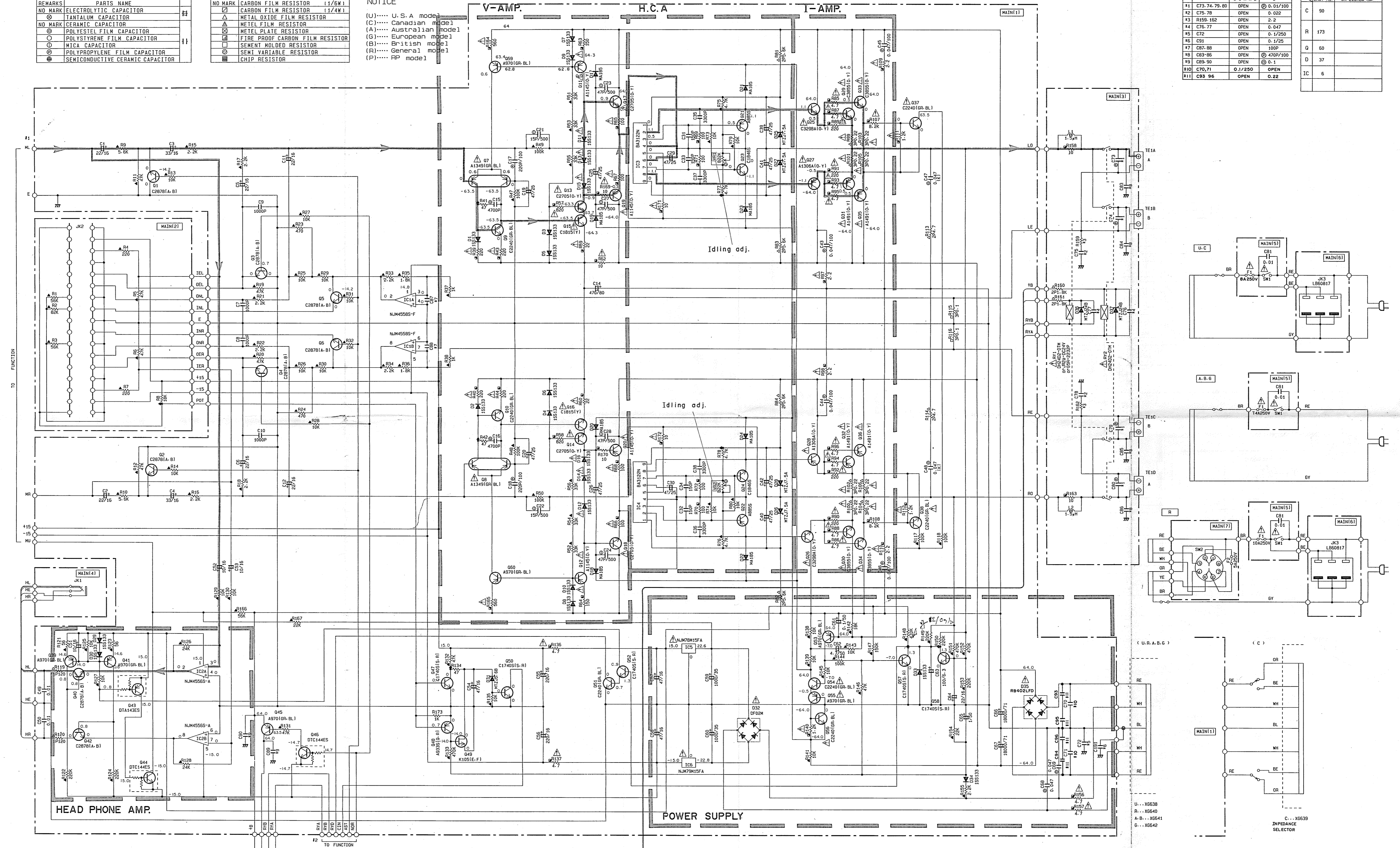
SCHEMATIC DIAGRAM

REMARKS	PARTS NAME	MARK
NO MARK	ELECTROLYTIC CAPACITOR	11
⊖	TANTALUM CAPACITOR	
NO MARK	CERAMIC CAPACITOR	
⊙	POLYESTER FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	
⊖	MICA CAPACITOR	
⊙	POLYPROPYLENE FILM CAPACITOR	
⊖	SEMICONDUCTIVE CERAMIC CAPACITOR	

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (1/6W)
⊖	CARBON FILM RESISTOR (1/4W)
Δ	METAL OXIDE FILM RESISTOR
△	METAL FILM RESISTOR
⊖	METAL PLATE RESISTOR
⊖	FIRE PROOF CARBON FILM RESISTOR
⊖	SEMENT WOLED RESISTOR
⊖	SEMI VARIABLE RESISTOR
⊖	CHIP RESISTOR

NOTICE
 (U)..... U.S.A model
 (C)..... Canadian model
 (A)..... Australian model
 (G)..... European model
 (B)..... British model
 (R)..... General model
 (P)..... PP model

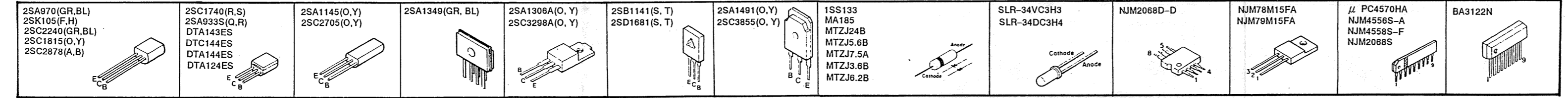
	U.C.R.A.B	G	LAST NO.	UN LISTED NO.
#1	C73.74.79.80	OPEN	0.01/100	
#2	C75.78	OPEN	0.022	
#3	R159.162	OPEN	2.2	
#4	C76.77	OPEN	0.047	
#5	C32	OPEN	0.1/250	
#6	C91	OPEN	0.1/25	
#7	C97.88	OPEN	100P	
#8	C93.95	OPEN	470P/100	
#9	C99.90	OPEN	0.1	
#10	C70.71	0.1/250	OPEN	
#11	C93.96	OPEN	0.22	



#9335 (O, R)	0rA11151E-F	0rA1310 (R, S, T)
C174051S-R1	0rC8631E-F1	0rC3312 (R, S, T)
K1051E-F1	0rK1051F-H1	
C1846S	0rD1681S-T1	
A855S	0rB1141S-T1	

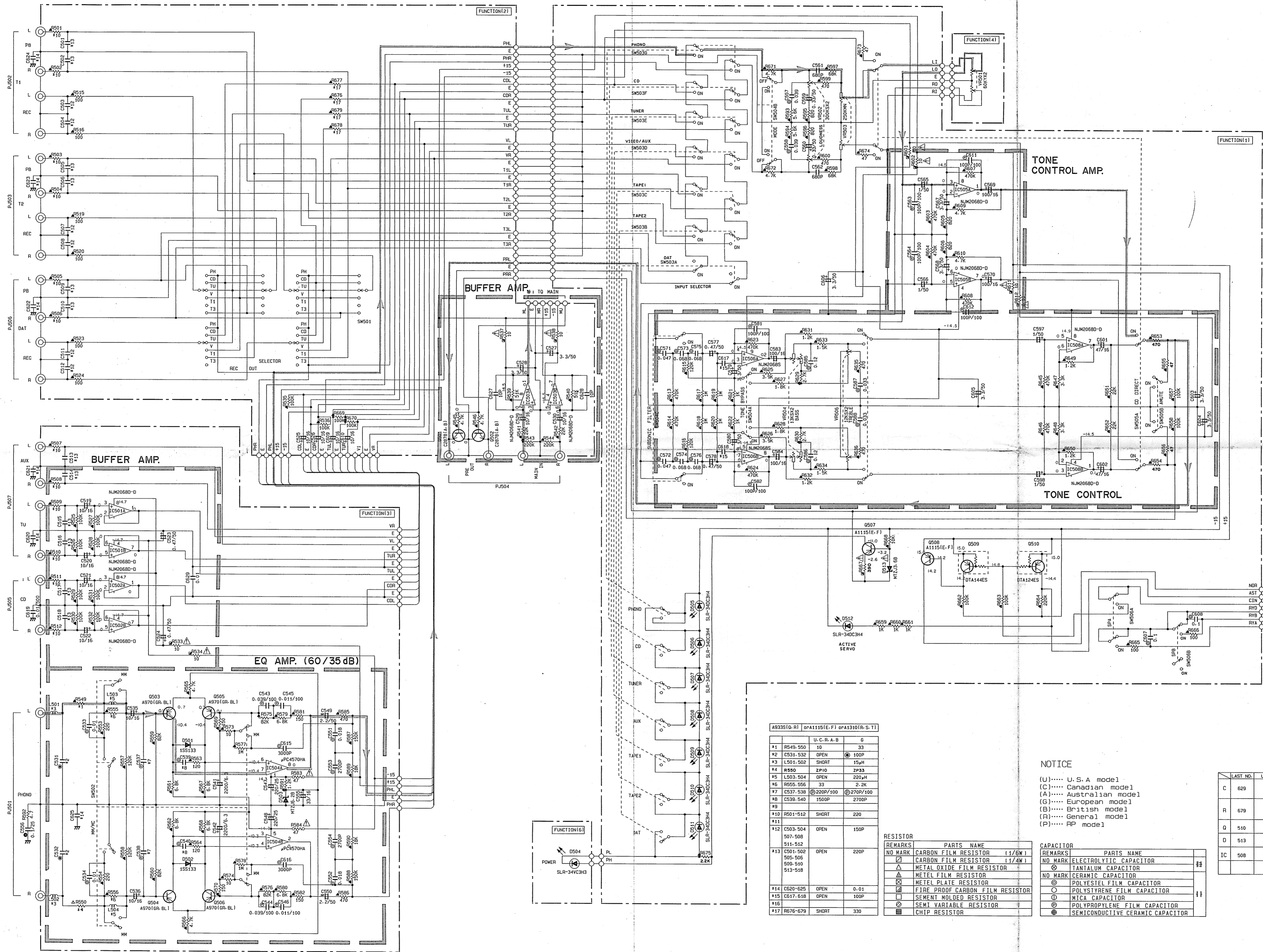
Speaker ON Position	A	B	A+B
YST Cartridge ON	YST Power Amp.	Normal Amp.	YST Power Amp.
Cartridge OFF	Normal Amp.	Normal Amp.	Normal Amp.

PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICs.



- The voltages are measured by no-signal mode.
- All voltages are measured with a 10MΩ/V DC electric volt meter.
- Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.
- Schematic diagram is subject to change without notice.

SCHEMATIC DIAGRAM



A935(G-R) @A115(E-F) @A1310(R-S-T)

NO	RES	U.C.R.A.B	Ω
*1	R549-550	10	33
*2	C531-532	OPEN	100P
*3	L501-502	SHORT	15μH
*4	R550	ZP10	ZP33
*5	L503-504	OPEN	220μH
*6	R555-556	33	2.2K
*7	C537-538	@220P/100	@270P/100
*8	C539-540	1500P	2700P
*9			
*10	R501-512	SHORT	220
*11			
*12	C503-504	OPEN	150P
	507-508		
	511-512		
*13	C501-502	OPEN	220P
	505-506		
	509-510		
	513-518		
*14	C620-625	OPEN	0.01
*15	C617-618	OPEN	100P
*16			
*17	R76-679	SHORT	330

RESISTOR

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (1/6W)
□	CARBON FILM RESISTOR (1/4W)
△	METAL OXIDE FILM RESISTOR
▲	METAL FILM RESISTOR
▣	METAL PLATE RESISTOR
▤	FIRE PROOF CARBON FILM RESISTOR
▥	SEMIFRONT RESISTOR
▧	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

NOTICE

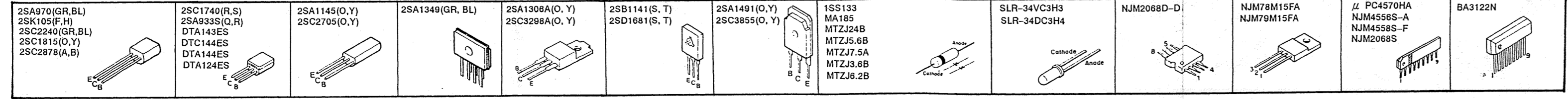
(U)..... U.S.A model
 (C)..... Canadian model
 (A)..... Australian model
 (G)..... European model
 (B)..... British model
 (R)..... General model
 (P)..... RP model

CAPACITOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
⊙	POLYESTER FILM CAPACITOR
⊚	POLYSTYRENE FILM CAPACITOR
⊖	MICA CAPACITOR
⊕	POLYPROPYLENE FILM CAPACITOR
⊗	SEMICONDUCTIVE CERAMIC CAPACITOR

LAST NO.	UN LISTED NO.
C 629	
R 679	
Q 510	
D 513	
IC 508	

PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND IC'S.



• The voltages are measured by no-signal mode.
 • All voltages are measured with a 10MQ/V DC electric volt meter.
 • Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.
 • Schematic diagram is subject to change without notice.