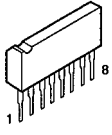
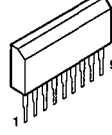
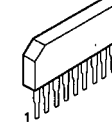
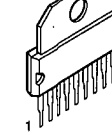
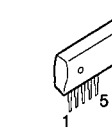
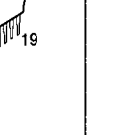
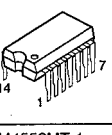
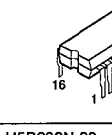
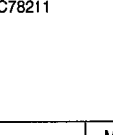
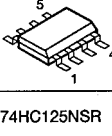
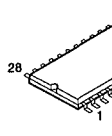
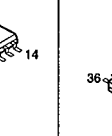
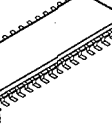
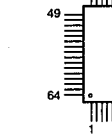
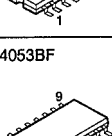
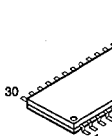
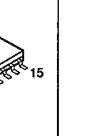
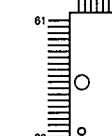
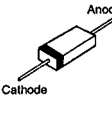
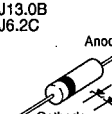
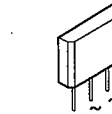
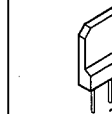
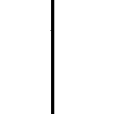


PIN CONNECTION DIAGRAM / 半導体外形図

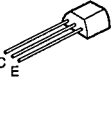
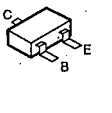
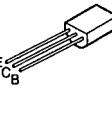
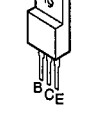
ICs

BA15218N 	μPC4570HA 	LA7956 	TA7291P 	STK311-020B 	STK400-040 
TC4066BP 	TA2040AP TC9299P 	LC72130 LC74781-9626 	LA1835 LC7536-Y LC78213 LC78211 		
NJM4558MT-1 NJM2068MD-T1 μPC4570G2 	LH5P832N-20 	AN8806SB 	M38024M6-243FP 	M38172M4-195FP 	
SN74HC125NSR 	LA6536M 	YSS203B 	MN66271RA 	M38197MA-176FP 	
TC4053BF 					

Diodes

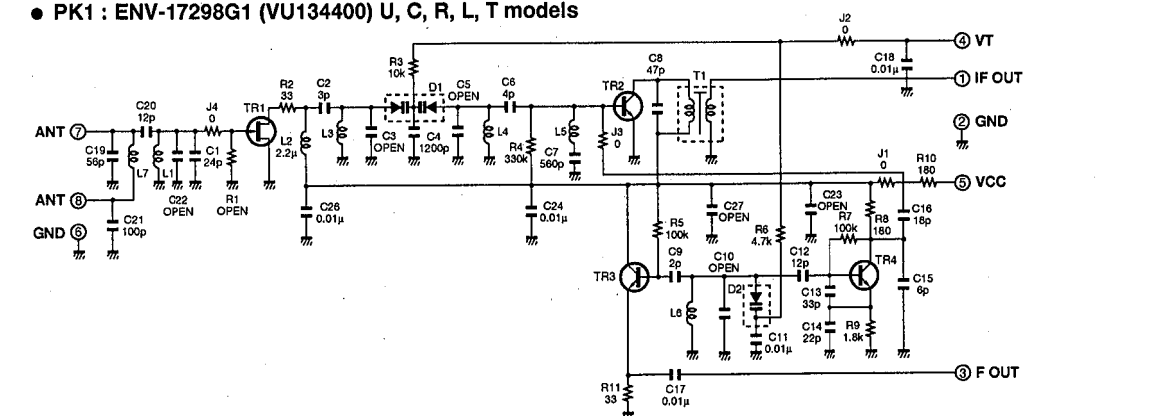
MA8039-H MA8056-M MA8051-M MA8062-H MA8068-M MA8110-L MA8120-H MA8270-M UDZ7.5B 	1SS355 1SS380 	1SS133 1SR139-400 MTZJ5.1A MTZJ13.0B MTZJ6.2C 	S1VB20 	RBV-602 
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Transistors

2SA933S (Q, R) 2SC1740S (R, S) DTA114ES DTA144ES DTC144ES 	DTC144EK 
2SA970 (GR, BL) 2SB647 (C, D) 2SB660 (E, F) 2SC535 (A, B, C) 2SC2240 (GR, BL) 2SC2878 (A, B) 2SC4208A (Q, R, S) 	2SB1565 (E, F) 2SD2396 (J, K) 

FRONT END PACK / フロントエンドパック

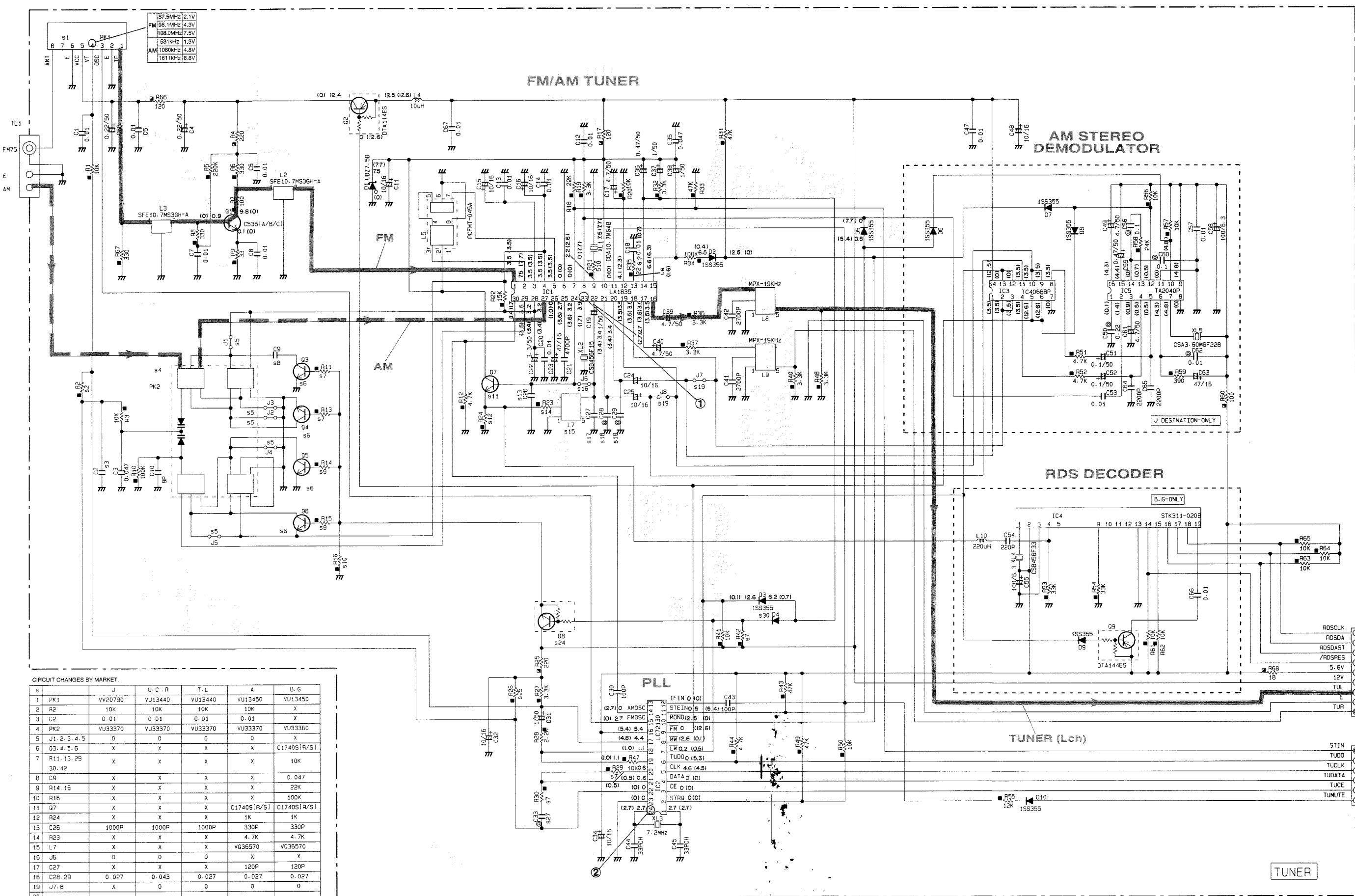
PK1 : ENV-17298G1 (VU134400) U, C, R, L, T models



TCD-AV1 SCHEMATIC DIAGRAM／総回路図 (TUNER & OPERATION)

Each voltage represents the voltage when receiving FM (stereo) signal and the voltage in the parentheses () is the voltage when receiving AM signal.

チューナー部の電圧は、FM83.0 MHzステレオ受信時の電圧です。ただし、() の電圧は、AM1080 kHz受信時の電圧です。

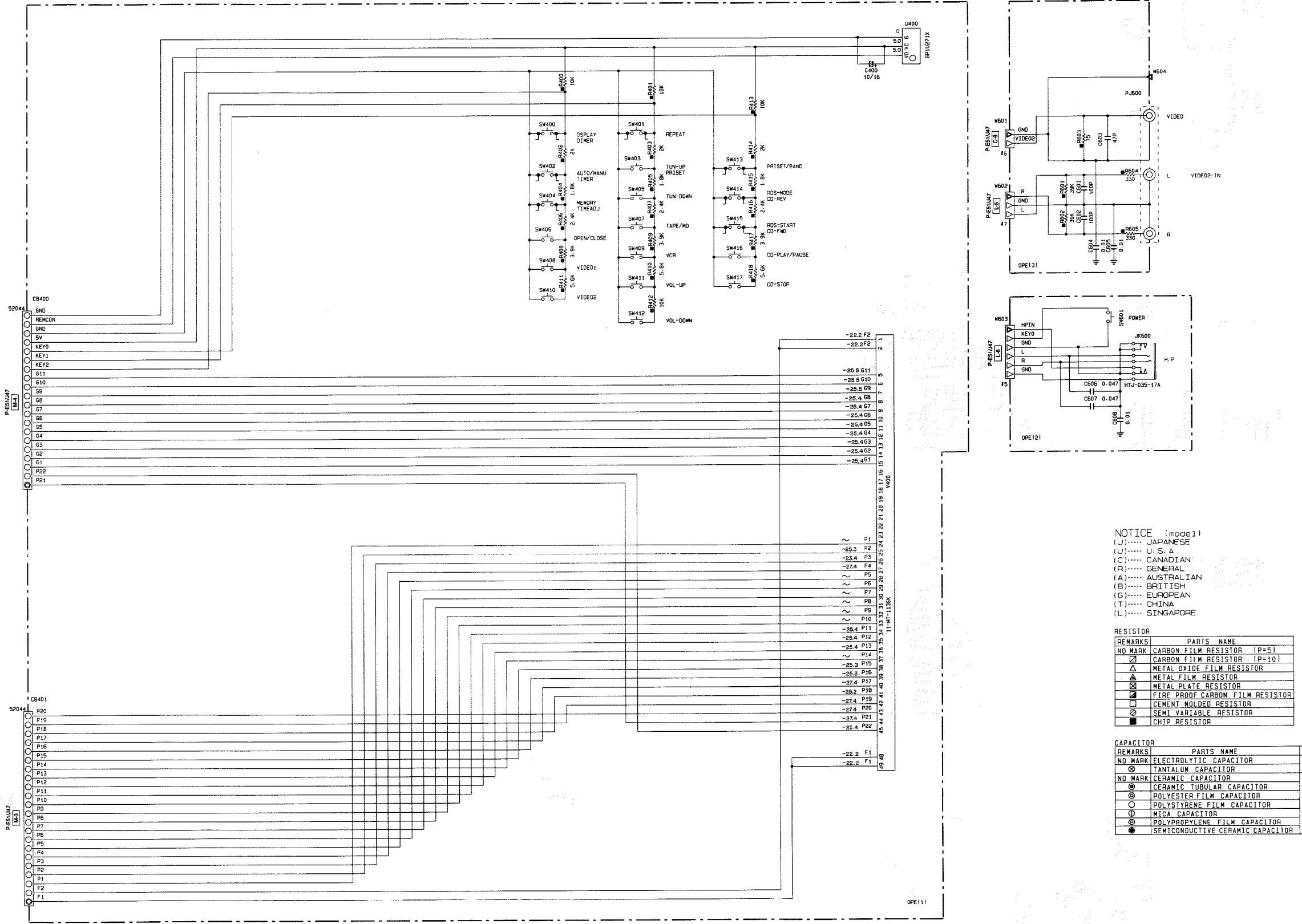


CIRCUIT CHANGES BY MARKET					
	U.S.A.	U.S.A.	U.S.A.	U.S.A.	U.S.A.
1	U101	U101	U101	U101	U101
2	U101	U101	U101	U101	U101
3	U101	U101	U101	U101	U101
4	U101	U101	U101	U101	U101
5	U101	U101	U101	U101	U101
6	U101	U101	U101	U101	U101
7	U101	U101	U101	U101	U101
8	U101	U101	U101	U101	U101
9	U101	U101	U101	U101	U101
10	U101	U101	U101	U101	U101
11	U101	U101	U101	U101	U101
12	U101	U101	U101	U101	U101
13	U101	U101	U101	U101	U101
14	U101	U101	U101	U101	U101
15	U101	U101	U101	U101	U101
16	U101	U101	U101	U101	U101
17	U101	U101	U101	U101	U101
18	U101	U101	U101	U101	U101
19	U101	U101	U101	U101	U101
20	U101	U101	U101	U101	U101
21	U101	U101	U101	U101	U101
22	U101	U101	U101	U101	U101
23	U101	U101	U101	U101	U101
24	U101	U101	U101	U101	U101
25	U101	U101	U101	U101	U101
26	U101	U101	U101	U101	U101
27	U101	U101	U101	U101	U101
28	U101	U101	U101	U101	U101
29	U101	U101	U101	U101	U101
30	U101	U101	U101	U101	U101

NOTICE (model 1)
(J)..... JAPANESE
(U)..... U.S.A.
(C)..... CANADIAN
(R)..... GENERAL
(A)..... AUSTRALIAN
(B)..... BRITISH
(O)..... EUROPEAN
(L)..... SINGAPORE

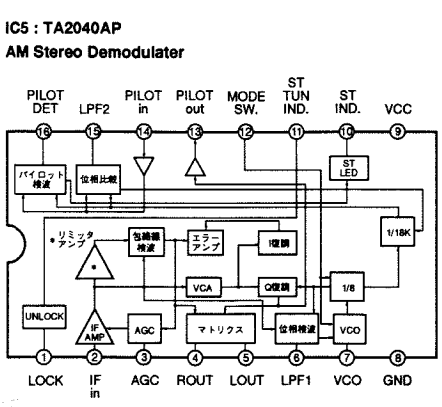
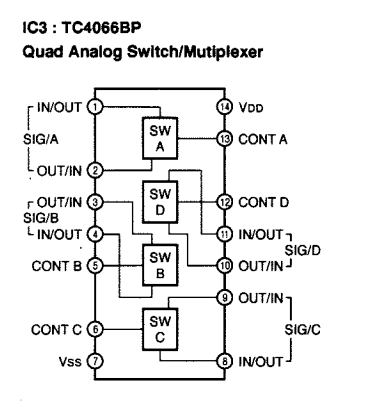
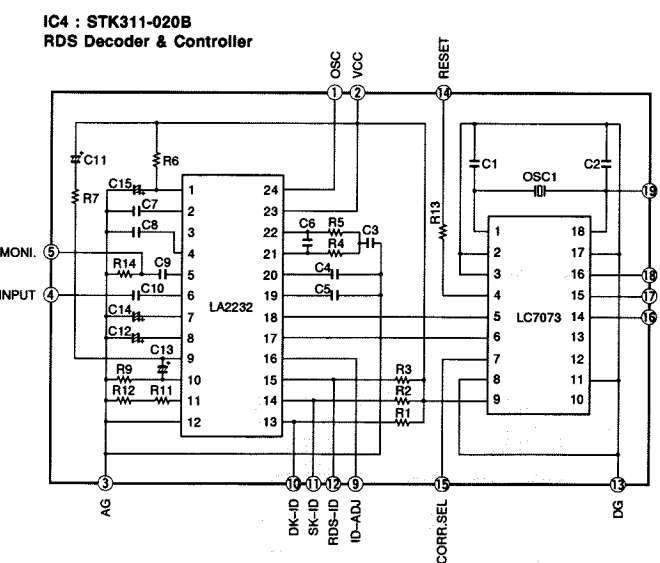
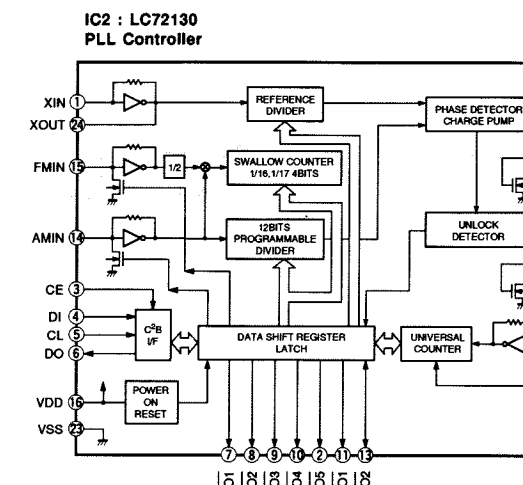
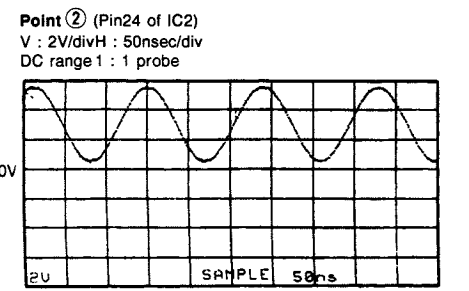
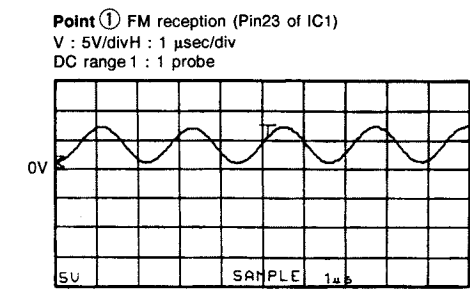
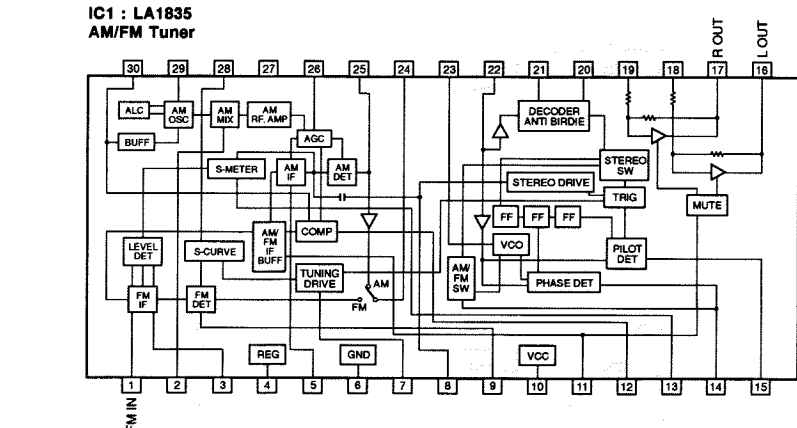
REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
△	CARBON FILM RESISTOR (P=10)
△	METAL OXIDE FILM RESISTOR
△	METAL FILM RESISTOR
△	METAL PLATE RESISTOR
△	FILM PROOF CARBON FILM RESISTOR
△	CEMENT MOLDED RESISTOR
△	SEMI VARIABLE RESISTOR
△	CHIP RESISTOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
△	TANTALUM CAPACITOR
△	NO MARK CERAMIC CAPACITOR
△	CERAMIC TUBULAR CAPACITOR
△	POLYESTER FILM CAPACITOR
△	POLYSTYRENE FILM CAPACITOR
△	MICA CAPACITOR
△	POLYPROPYLENE FILM CAPACITOR
△	SEMICONDUCTIVE CERAMIC CAPACITOR



REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
△	CARBON FILM RESISTOR (P=10)
△	METAL OXIDE FILM RESISTOR
△	METAL FILM RESISTOR
△	METAL PLATE RESISTOR
△	FILM PROOF CARBON FILM RESISTOR
△	CEMENT MOLDED RESISTOR
△	SEMI VARIABLE RESISTOR
△	CHIP RESISTOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
△	TANTALUM CAPACITOR
△	NO MARK CERAMIC CAPACITOR
△	CERAMIC TUBULAR CAPACITOR
△	POLYESTER FILM CAPACITOR
△	POLYSTYRENE FILM CAPACITOR
△	MICA CAPACITOR
△	POLYPROPYLENE FILM CAPACITOR
△	SEMICONDUCTIVE CERAMIC CAPACITOR

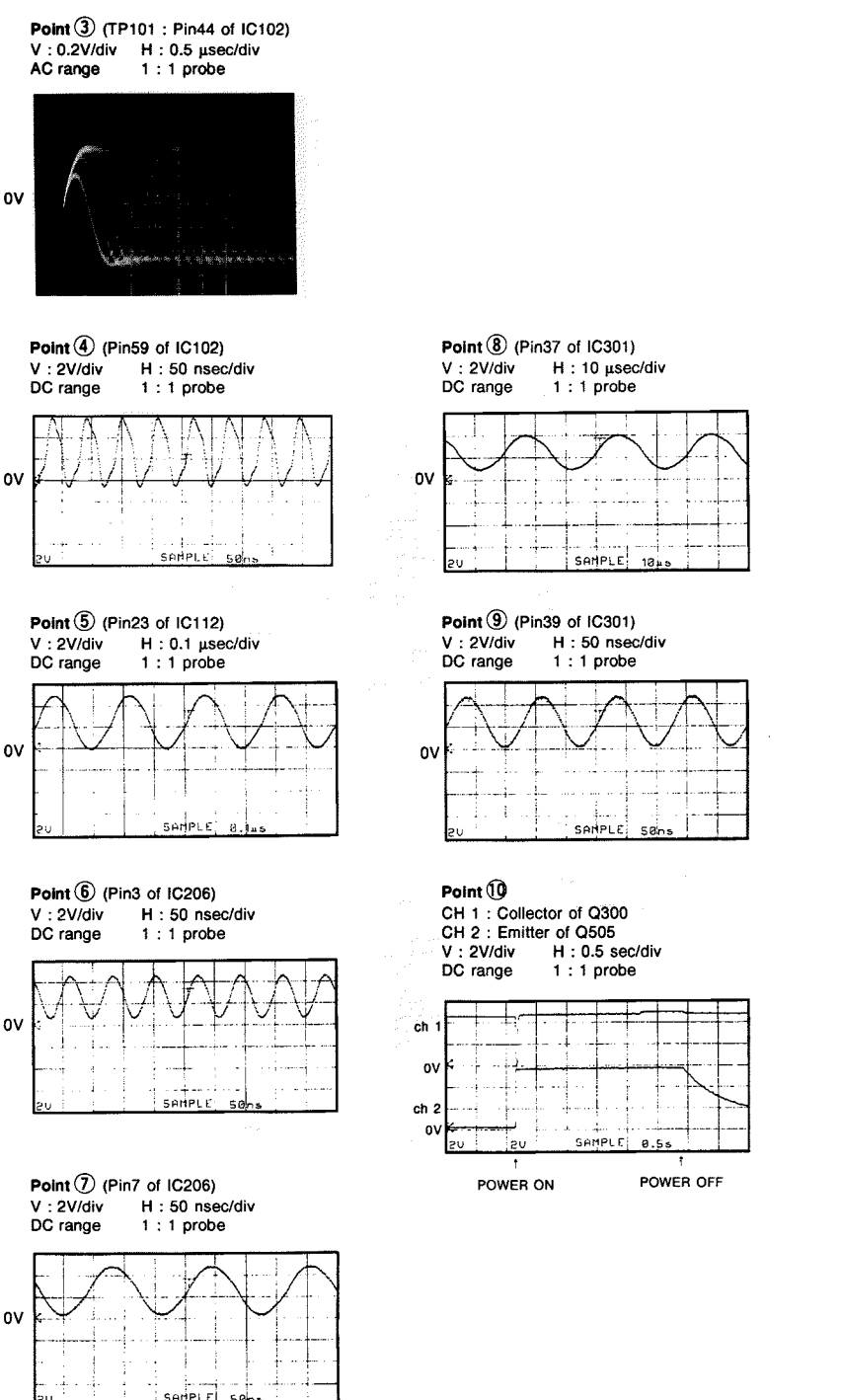
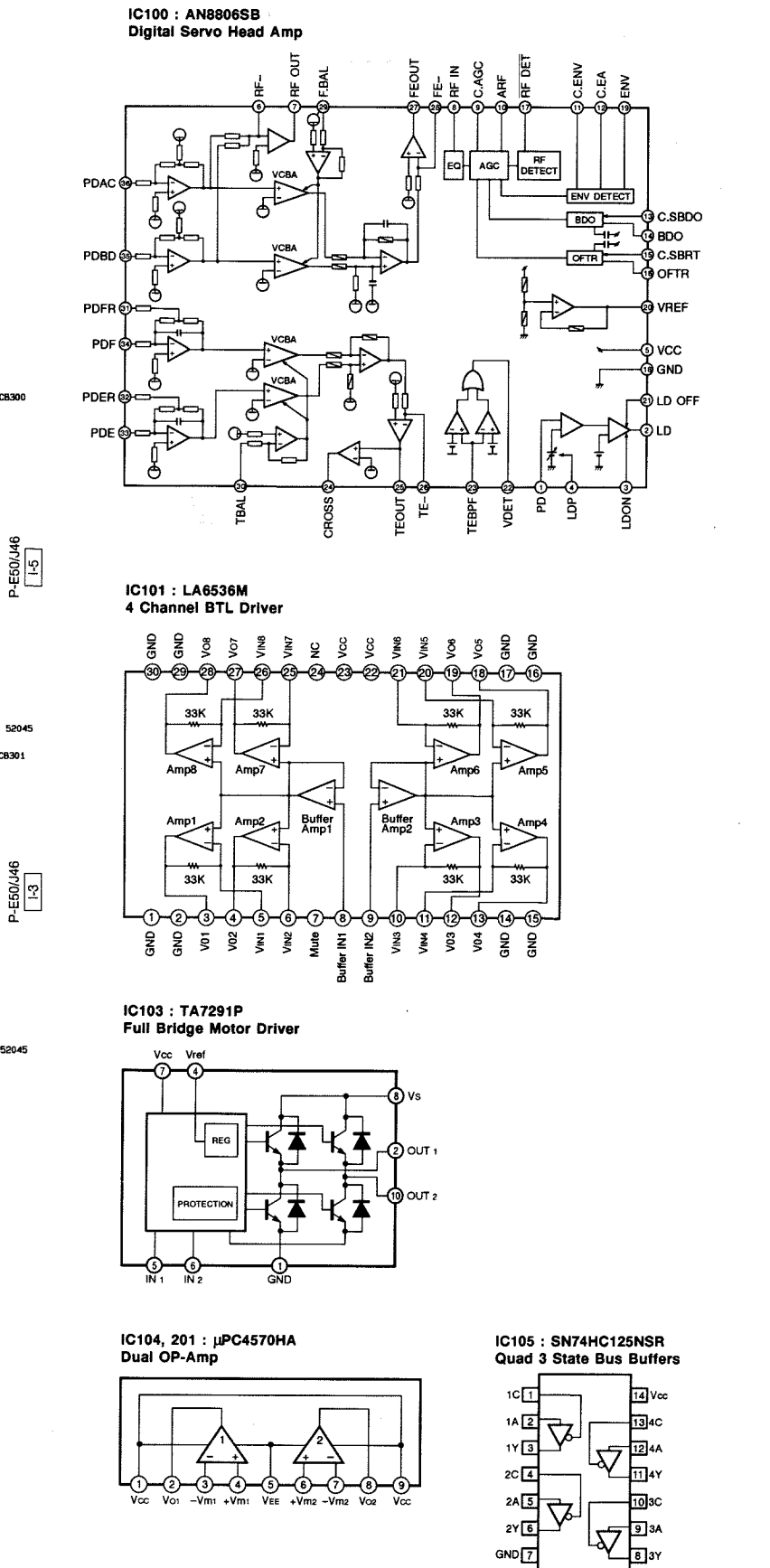
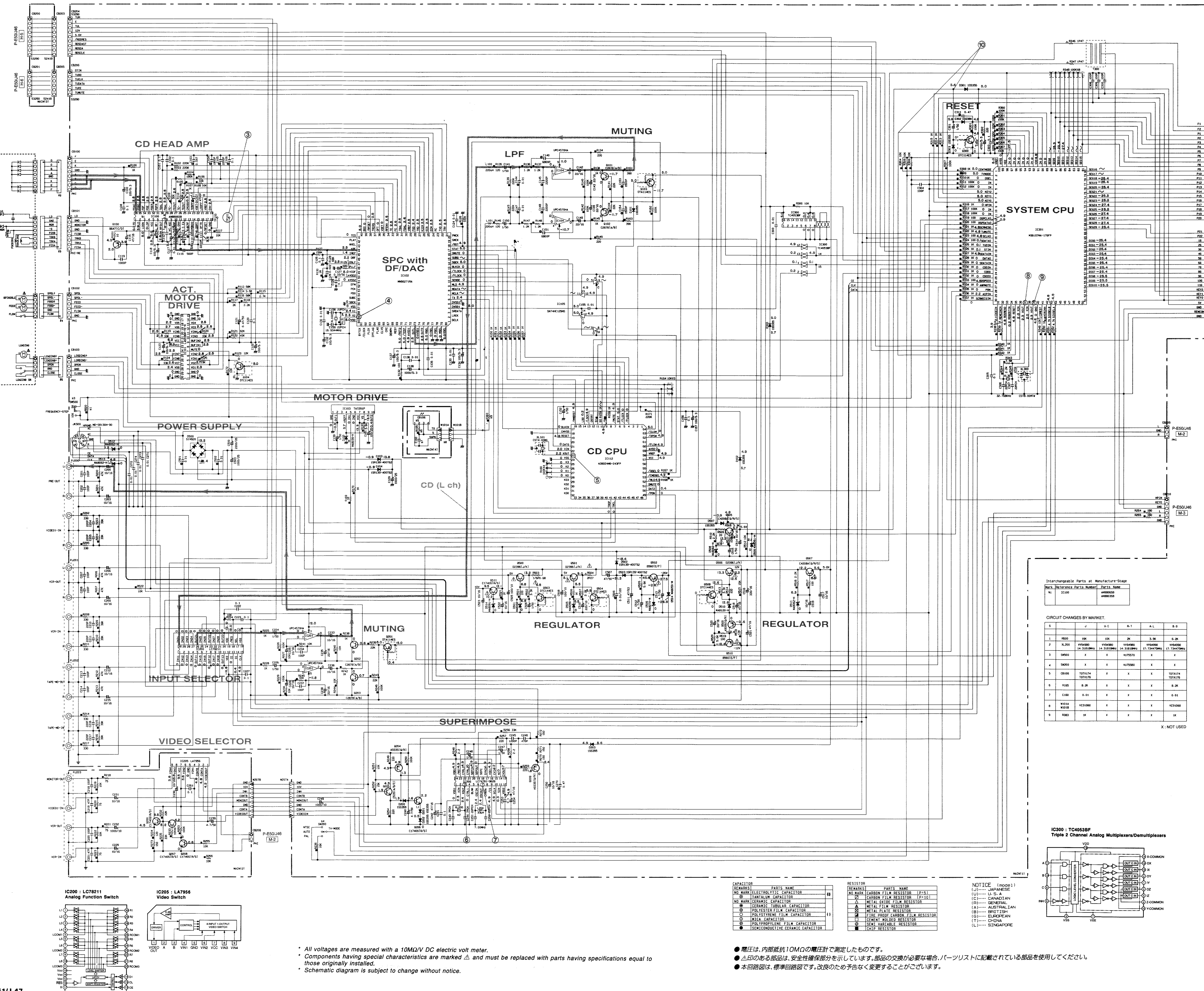


* All voltages are measured with a 10MΩ/V DC electric volt meter.
* Components having special characteristics are marked △ and must be replaced with parts having specifications equal to those originally installed.
* Schematic diagram is subject to change without notice.

●電圧は、内部抵抗10MΩの電圧計で測定したものです。
●△印のある部品は、安全性確保部分を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
●本回路図は、標準回路図です。改良のため予告なく変更することがございます。

AV-1

TCD-AV1 SCHEMATIC DIAGRAM／総回路図 (MAIN)



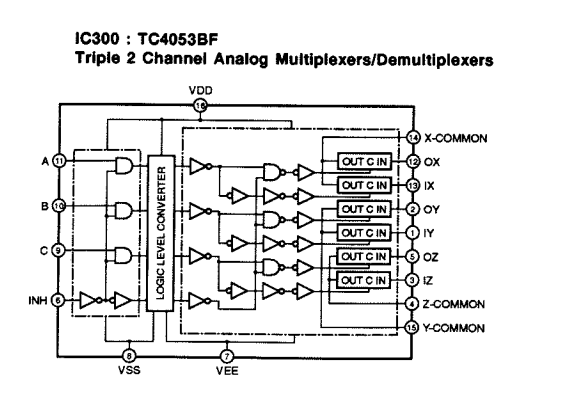
Interchangeable Parts at Manufacture Stage

NO.	MARK	REMARKS	REMARKS
1	IC100	AN80065B	AN80065B
2	IC101	LA6558M	LA6558M
3	IC102	TA7291P	TA7291P
4	IC104	μPC4570HA	μPC4570HA
5	IC105	SN74HC125NSR	SN74HC125NSR

CIRCUIT CHANGES BY MARKET.

S	U	U.C	A.T	A.L	B.S
1	IC100	1K	1K	2K	3.3K
2	IC101	1K	1K	2K	3.3K
3	IC102	1K	1K	2K	3.3K
4	IC104	1K	1K	2K	3.3K
5	IC105	1K	1K	2K	3.3K

X: NOT USED



NOTICE (ROOMS)

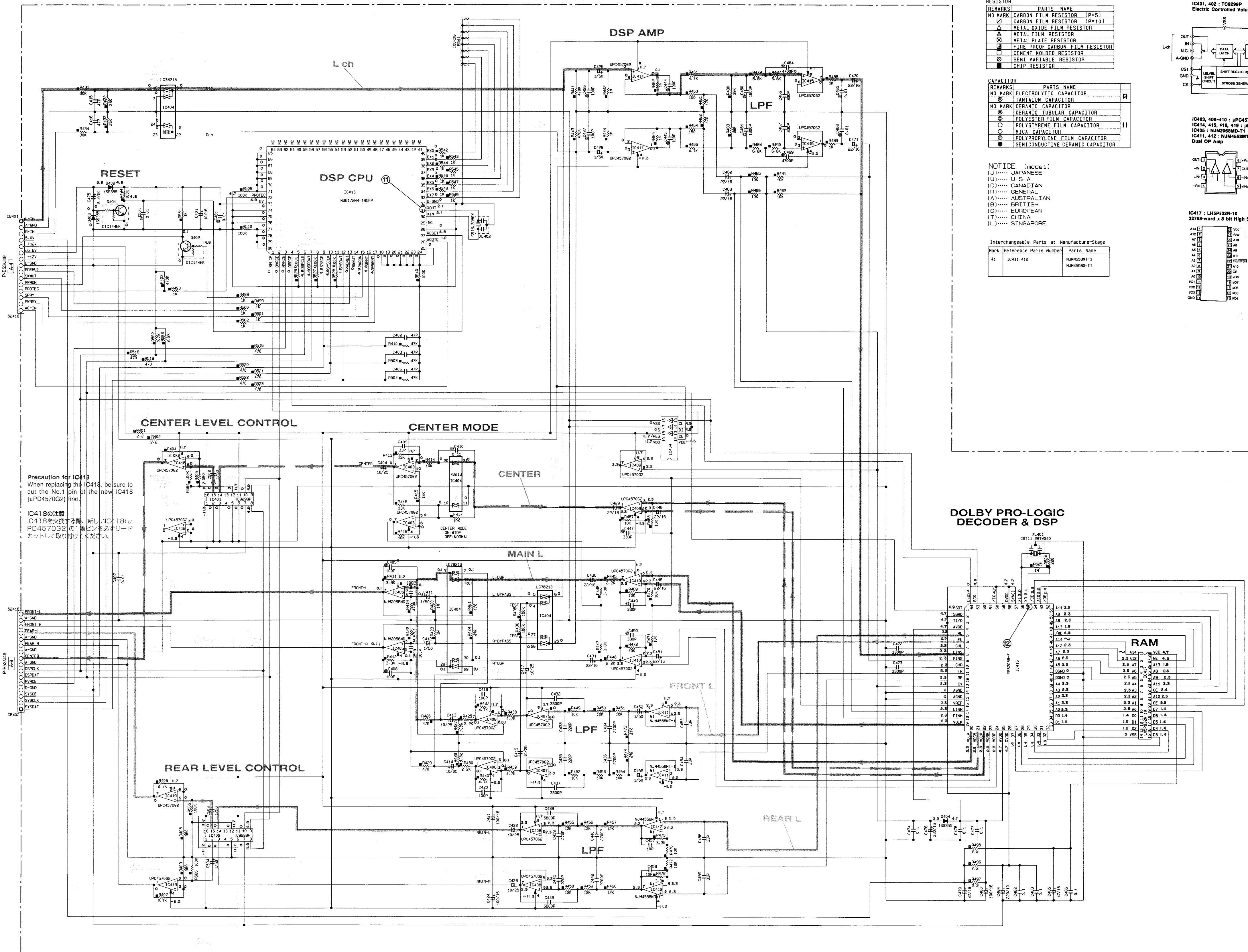
● 電圧は、内部抵抗10MΩの電圧計で測定したものです。
● △印のある部品は、安全性確保部分を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
● 本回路図は、標準回路図です。改良のため予告なく変更することがございます。

REMARKS	PARTS NAME
(J)..... JAPANESE	
(U)..... U.S.A	
(C)..... CANADIAN	
(G)..... GERMANY	
(A)..... AUSTRALIAN	
(B)..... BRITISH	
(E)..... EUROPEAN	
(Y)..... CHINA	
(L)..... SINGAPORE	

REMARKS	PARTS NAME
(J)..... JAPANESE	
(U)..... U.S.A	
(C)..... CANADIAN	
(G)..... GERMANY	
(A)..... AUSTRALIAN	
(B)..... BRITISH	
(E)..... EUROPEAN	
(Y)..... CHINA	
(L)..... SINGAPORE	

* All voltages are measured with a 10MΩ/V DC electric volt meter.
* Components having special characteristics are marked △ and must be replaced with parts having specifications equal to those originally installed.
* Schematic diagram is subject to change without notice.

■ SW-AV1 SCHEMATIC DIAGRAM / 総回路図 (DSP)

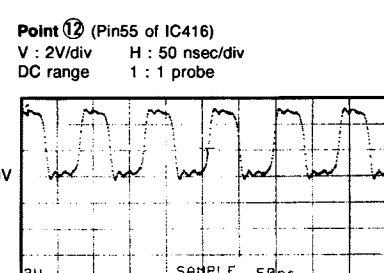
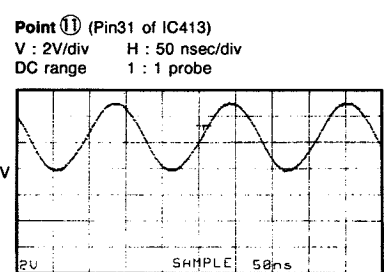
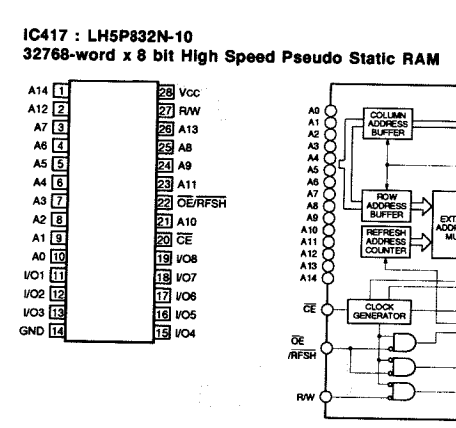
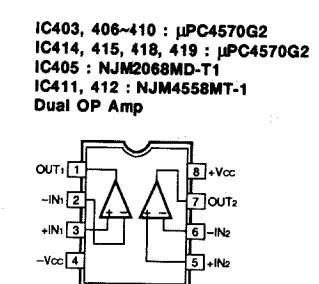
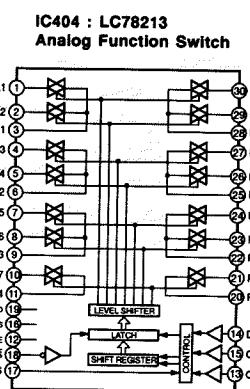
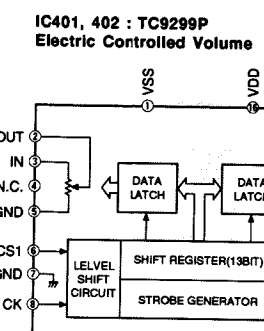


REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
△	CARBON FILM RESISTOR (P=10)
□	METAL OXIDE FILM RESISTOR
○	METAL FILM RESISTOR
■	METAL PLATE RESISTOR
●	FIRE PROOF CARBON FILM RESISTOR
◇	CEMENT MOLDED RESISTOR
○	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
○	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
●	CERAMIC TUBULAR CAPACITOR
○	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
○	MICA CAPACITOR
○	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

NOTICE (model)
(J)..... JAPANESE
(U)..... U.S.A.
(C)..... CANADIAN
(R)..... GENERAL
(A)..... AUSTRALIAN
(B)..... BRITISH
(G)..... EUROPEAN
(T)..... CHINA
(L)..... SINGAPORE

Mark	Reference Parts Number	Parts Name
K1	IC411-412	NJM4558MT-1
		NJM4558MT-1



Other ICs
● IC413 : M38172M4-195FP → See page E-57/J-21
● IC416 : YSS203B → See page E-57/J-23

* All voltages are measured with a 10MΩ/V DC electric volt meter.
* Components having special characteristics are marked △ and must be replaced with parts having specifications equal to those originally installed.
* Schematic diagram is subject to change without notice.

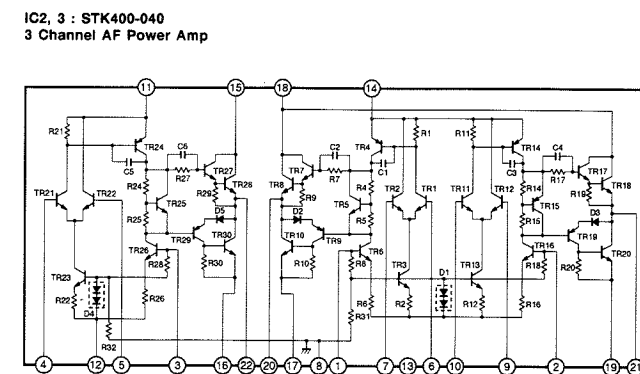
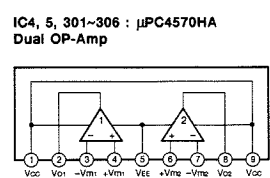
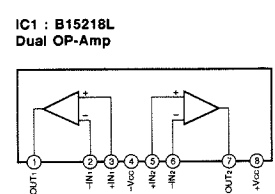
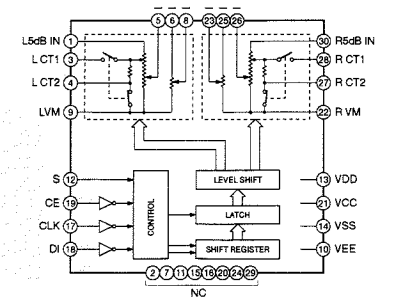
● 電圧は、内部抵抗10MΩの電圧計で測定したものです。
● △印のある部品は、安全性確保部分を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
● 本回路図は、標準回路図です。改良のため予告なく変更することがございます。

■ SW-AV1 SCHEMATIC DIAGRAM / 総回路図 (AMP & VOLUME)

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P-F1)
△	CARBON FILM RESISTOR (P-F10)
△	METAL OXIDE FILM RESISTOR
△	METAL FILM RESISTOR
△	METAL PLATE RESISTOR
△	FIRE-PROOF CARBON FILM RESISTOR
△	CEMENT MOLDED RESISTOR
△	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
○	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
●	CERAMIC TUBULAR CAPACITOR
○	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
○	MICA CAPACITOR
○	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

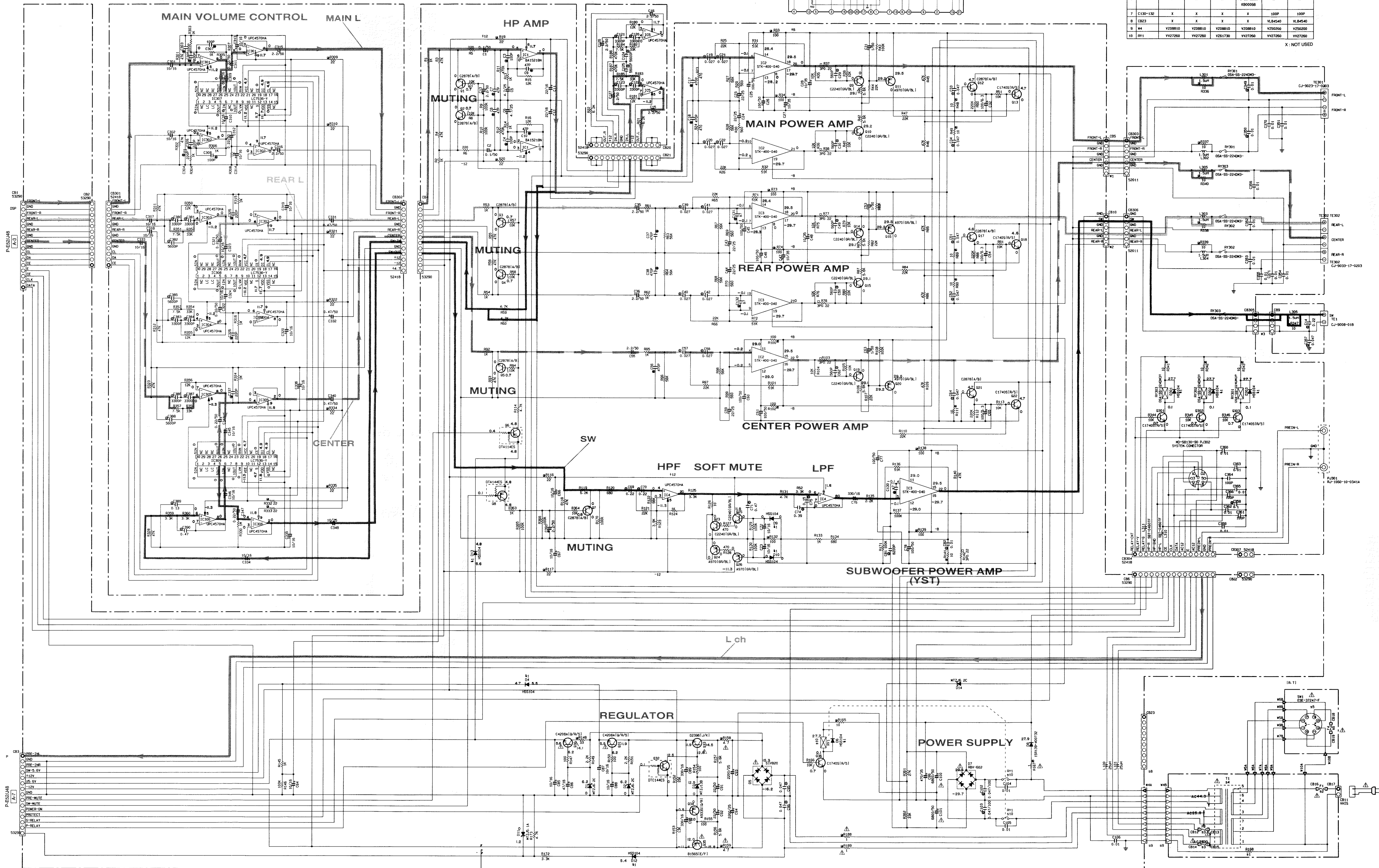
NOTICE (model)
(J)..... JAPANESE
(U)..... U.S.A.
(C)..... CANADIAN
(R)..... GENERAL
(A)..... AUSTRALIAN
(B)..... BRITISH
(G)..... EUROPEAN
(T)..... CHINA
(L)..... SINGAPORE



Mark	Reference Parts Number	Parts Name
A1	D4 6.9 10 12 13	HS104
	301-303	HS132
		HS176

CIRCUIT CHANGES BY MARKET									
	S	J	U	C	R-T	A	B-G-L		
1	R158	X	X	1/225-2M	X	X	X		
2	F1	44125V Y582200	44125V Y582200	44125V Y582200	T1: 25AL250V K800079	T1: 25AL250V K800068	T1: 25AL250V K800068		
3	F2-F3	1: 25A125V Y582230	1: 25A125V Y582230	1: 25A125V Y582230	T1: 25AL250V K800177	T1: 25AL250V K800177	T1: 25AL250V K800177		
4	T1	X592240	X592240	X592240	X592240	X592240	X592240		
5	SM1	X	X	X	X	X	X		
6	F4	X	X	X	T1: 25AL250V K800068	X	X		
7	C130-132	X	X	X	X	100P	100P		
8	CE23	X	X	X	X	VL84540	VL84540		
9	K4	V208810	V208810	V208810	V208810	V208810	V208810		
10	RY1	VY27260	VY27260	VY27260	VY27260	VY27260	VY27260		

X: NOT USED



- All voltages are measured with a 10MΩ/V DC electric volt meter.
- Components having special characteristics are marked △ and must be replaced with parts having specifications equal to those originally installed.
- Schematic diagram is subject to change without notice.

- 電圧は、内部抵抗10MΩの電圧計で測定したものです。
- △印のある部品は、安全性確保部分を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
- 本回路図は、標準回路図です。改良のため予告なく変更することがございます。