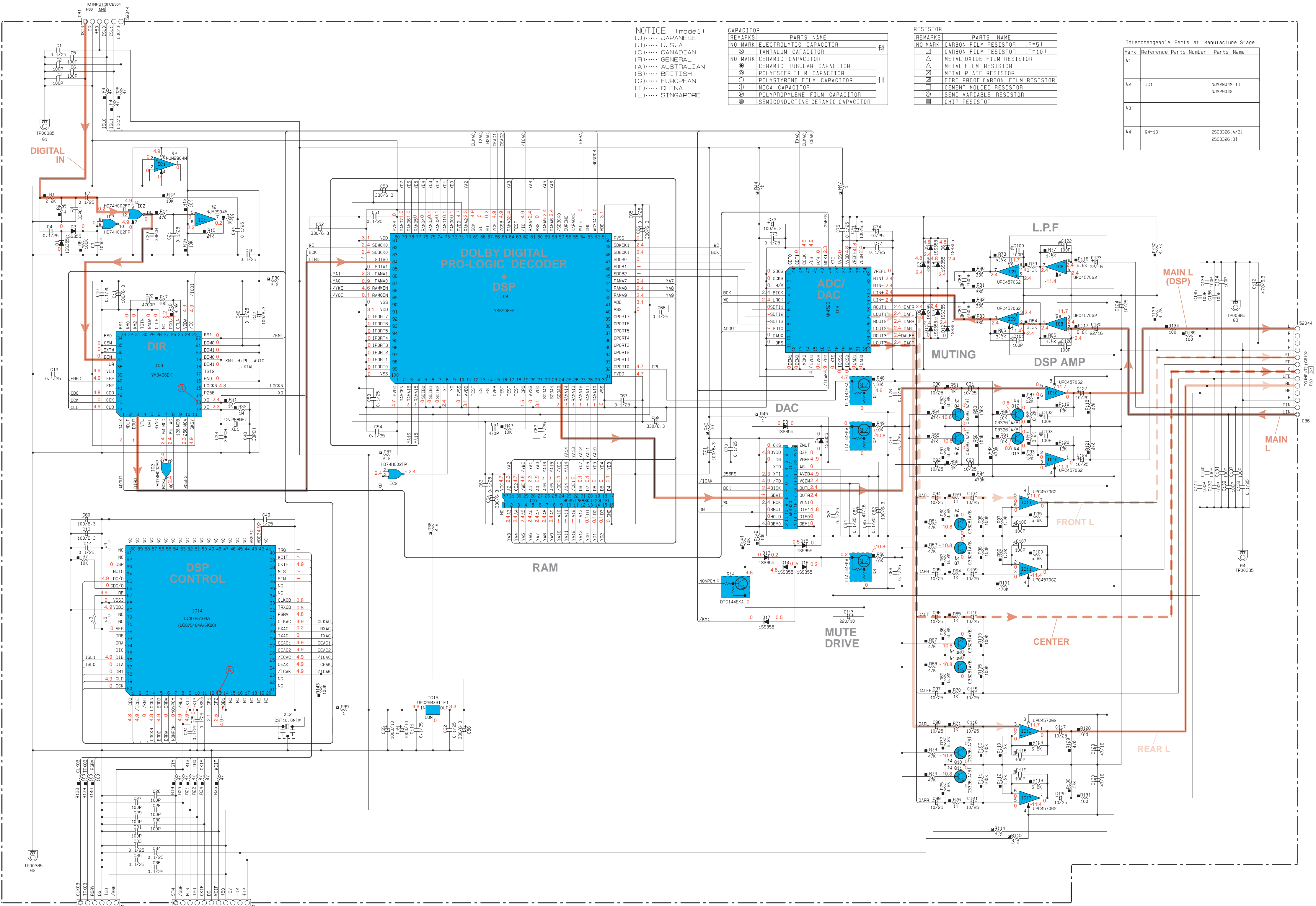


SCHEMATIC DIAGRAM (DSP)



NOTICE (mode1)
 (J)..... JAPANESE
 (U)..... U.S.A
 (C)..... CANADIAN
 (R)..... GENERAL
 (A)..... AUSTRALIAN
 (B)..... BRITISH
 (O)..... EUROPEAN
 (T)..... CHINA
 (L)..... SINGAPORE

CAPACITOR

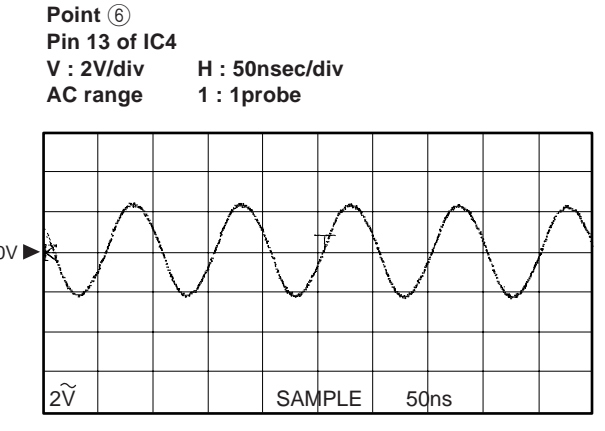
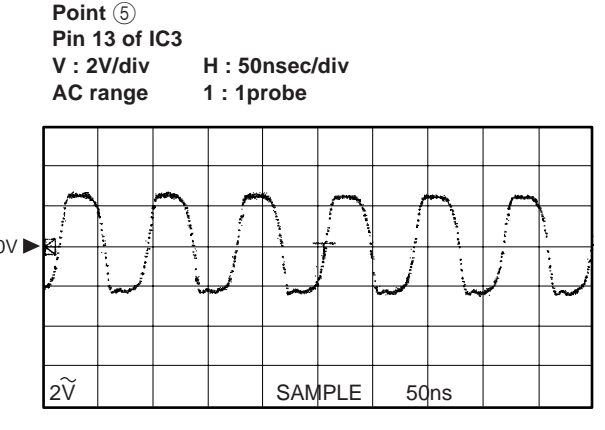
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
⊙	CERAMIC TUBULAR CAPACITOR
⊖	POLYESTER FILM CAPACITOR
⊕	POLYSTYRENE FILM CAPACITOR
⊙	MICA CAPACITOR
⊖	POLYPROPYLENE FILM CAPACITOR
⊙	SEMICONDUCTIVE CERAMIC CAPACITOR

RESISTOR

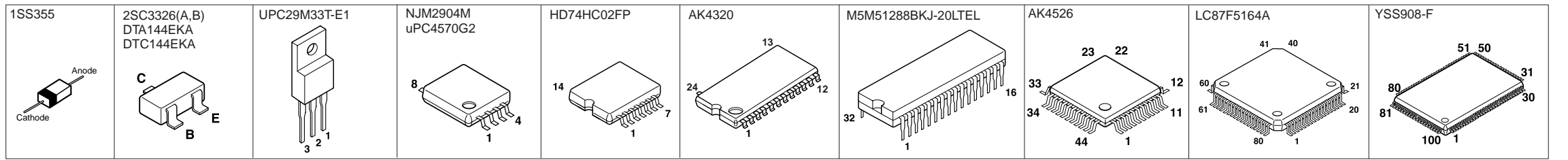
REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
⊗	CARBON FILM RESISTOR (P=10)
⊖	METAL OXIDE FILM RESISTOR
⊕	METAL FILM RESISTOR
⊖	METAL PLATE RESISTOR
⊕	FIRE PROOF CARBON FILM RESISTOR
⊖	CEMENT MOLDED RESISTOR
⊕	SEMI VARIABLE RESISTOR
⊖	CHIP RESISTOR

Interchangeable Parts at Manufacture-Stage

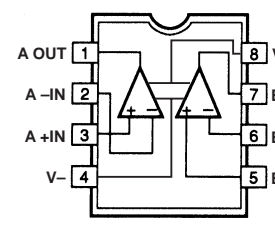
Mark	Reference Parts Number	Parts Name
k1		
k2	IC1	NJM2904M-T1 NJM2904G
k3		
k4	04-13	25C3326(A/B) 25C3326(B)



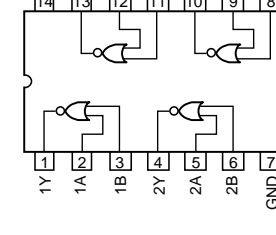
PIN CONNECTION DIAGRAM OF DIODES, TRANSISTORS AND IC'S.



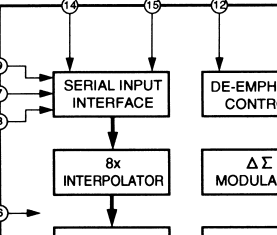
IC1 : NJM2904M
 IC8-13 : uPC4570G2
 Dual OP AMP



IC2 : HD74HC02FP
 Quad 2 Input NOR



IC7 : AK4320
 1 bit D/A Converter

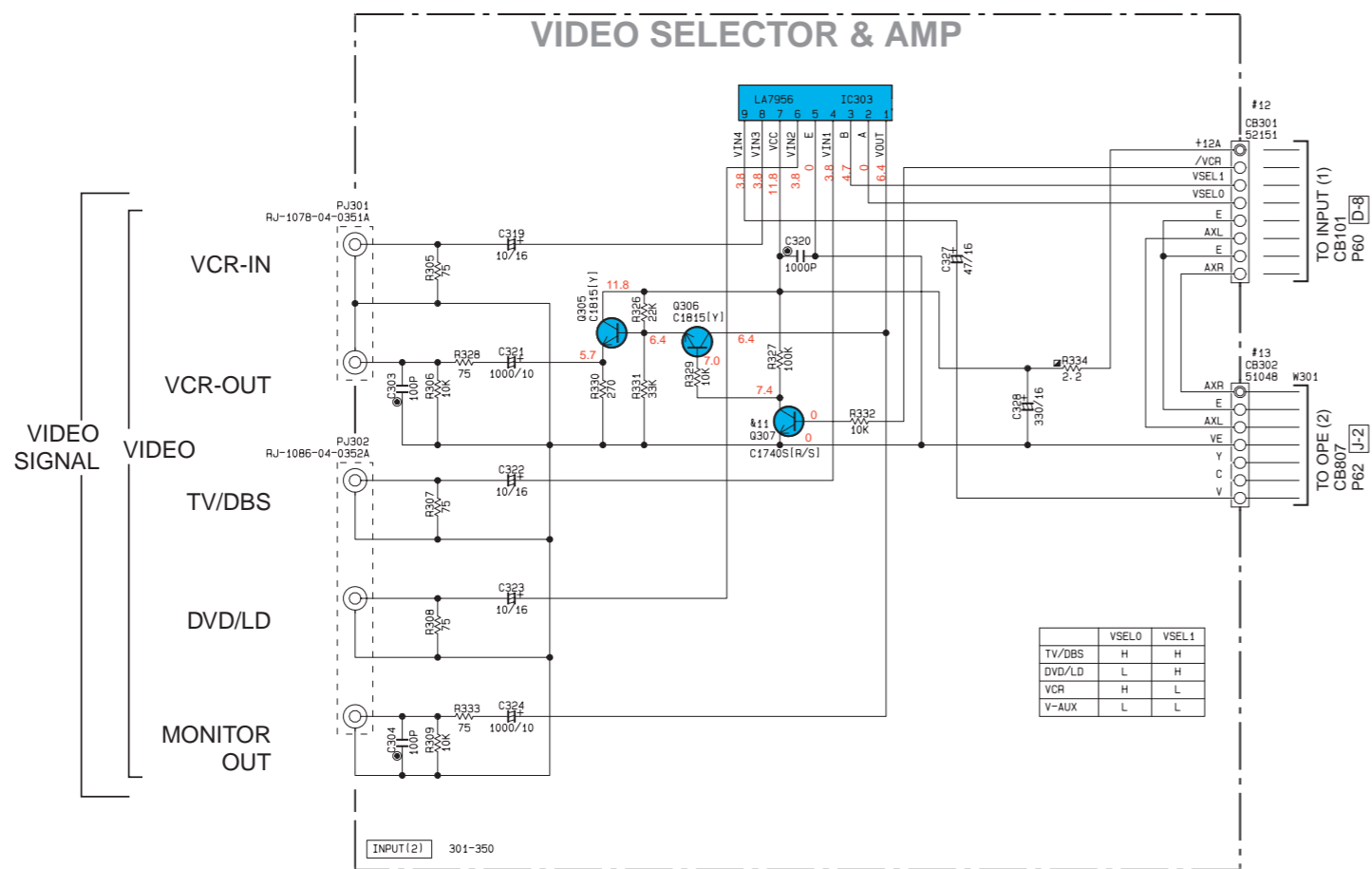


* IC3-6, 14 -> See page 29-35, IC DATA

Conditions (RX-V495RDS)
 • INPUT → CD
 • VOLUME → minimum(←)
 • IMPEDANCE →
 • SELECTOR → Upper
 • PRO LOGIC → On

* 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 (INPUT)



Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
411	Q307	2SC1740S(R/S) 2SC2603(E/F) 2SC3311A(Q/R/S)

NOTICE (model)

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

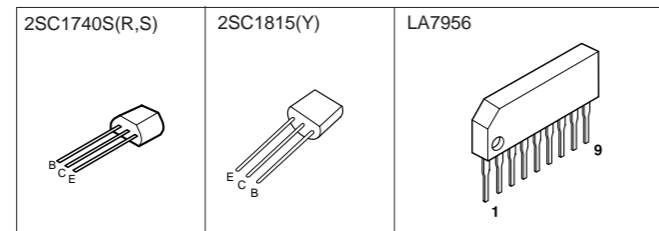
RESISTOR

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

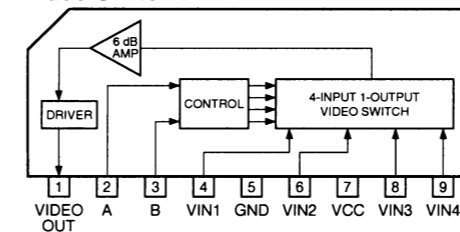
CAPACITOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
●	CERAMIC TUBULAR CAPACITOR
⊙	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
⓪	MICA CAPACITOR
⊕	POLYPROPYLENE FILM CAPACITOR
⊖	SEMICONDUCTIVE CERAMIC CAPACITOR
⊗	POLYPHENYLENE SULFIDE FILM CAPACITOR

PIN CONNECTION DIAGRAM OF TRANSISTORS AND IC's.



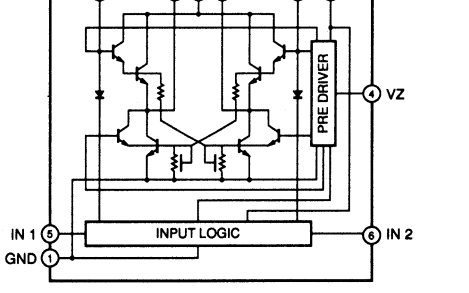
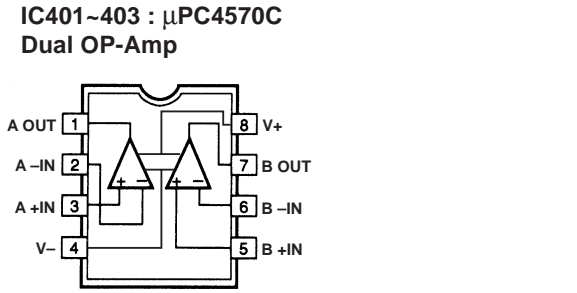
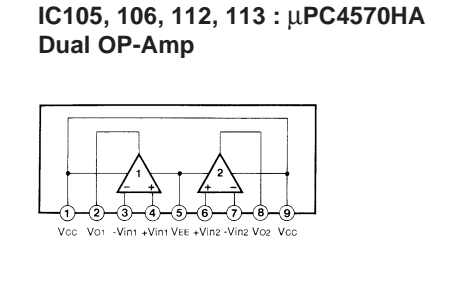
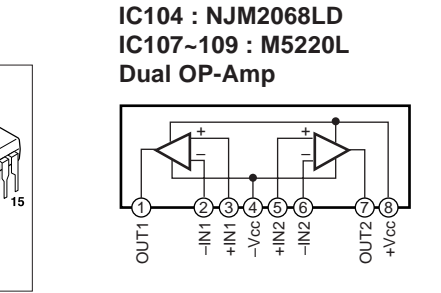
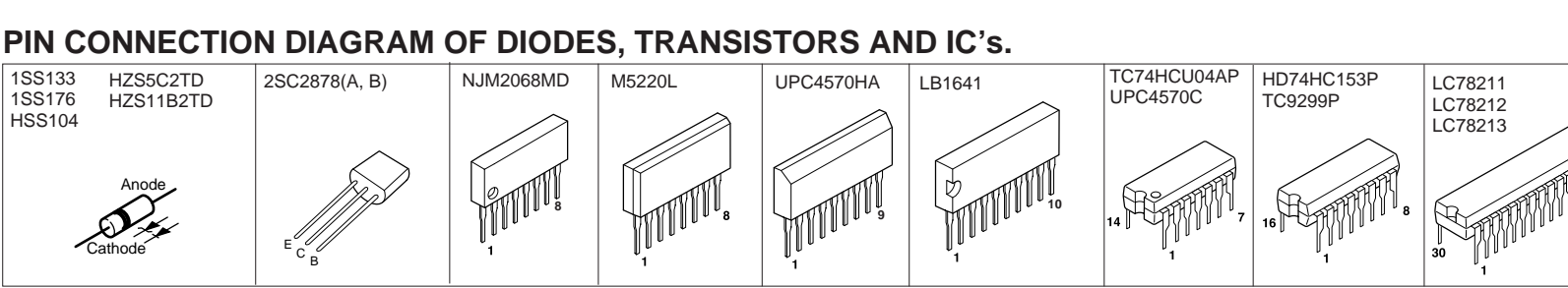
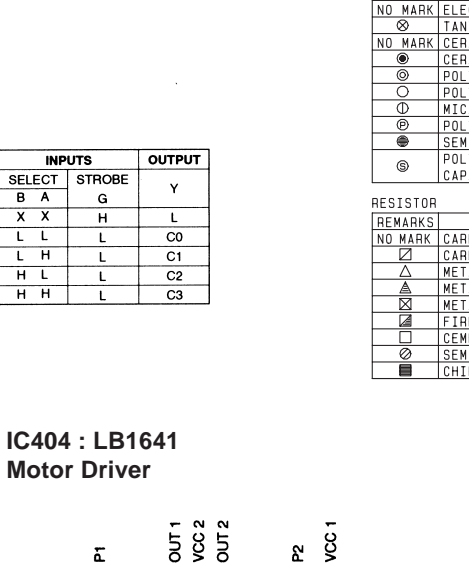
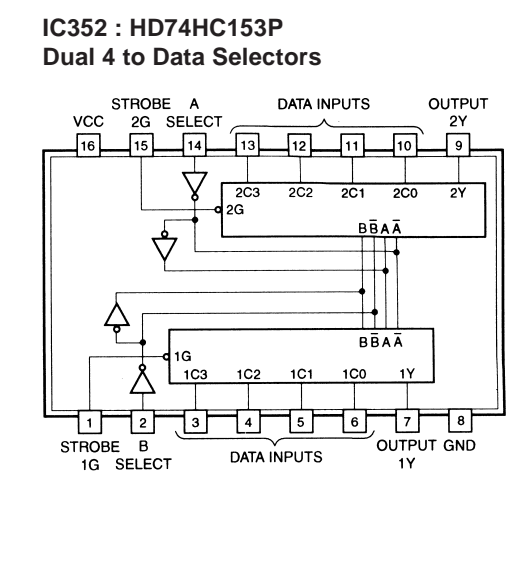
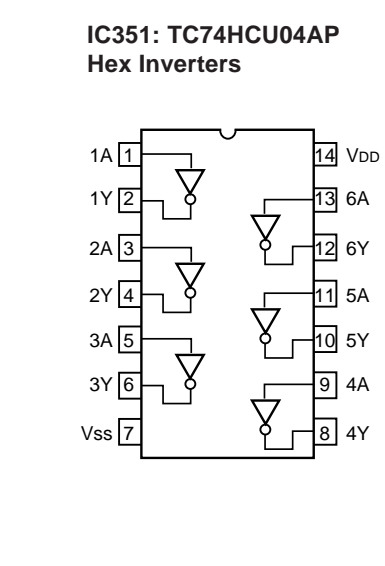
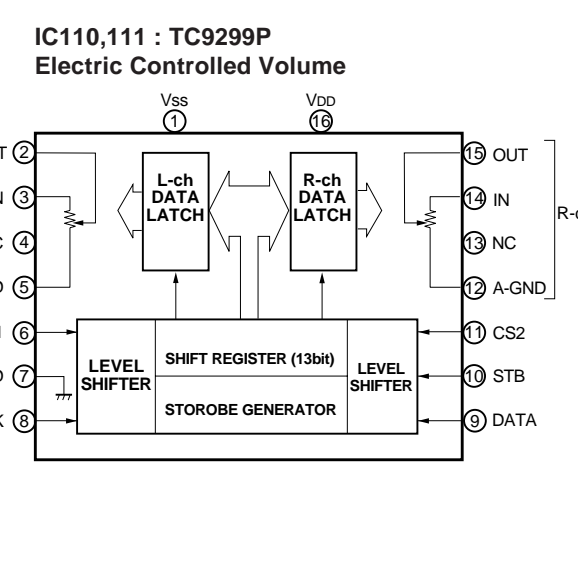
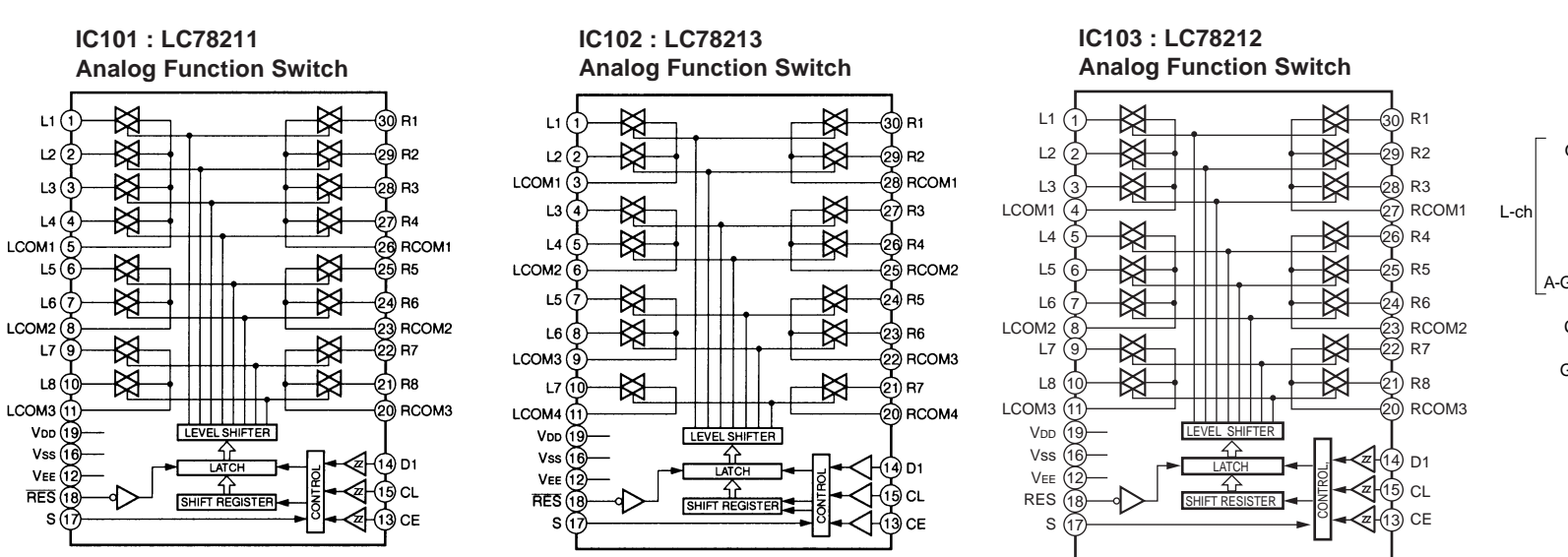
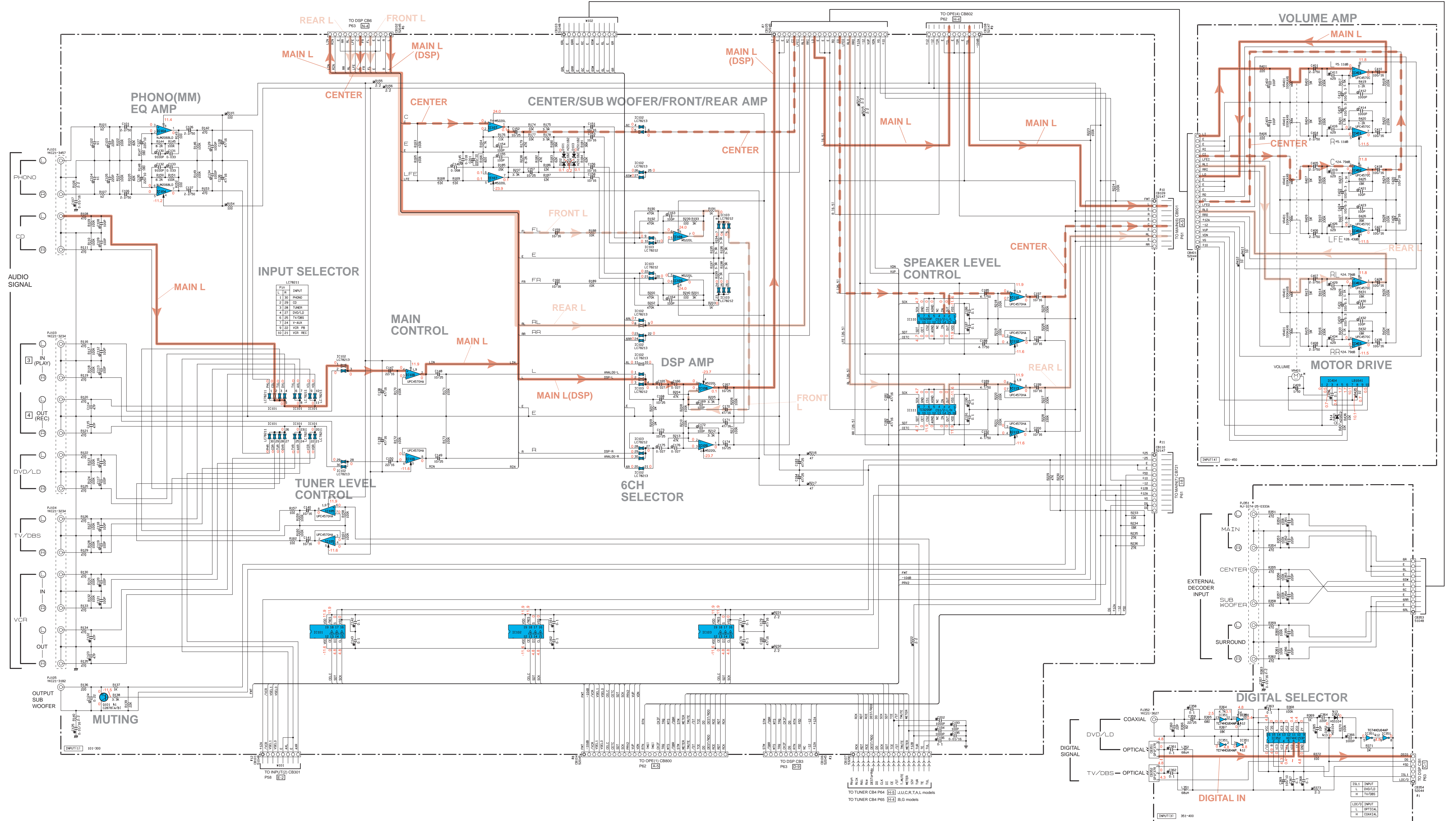
IC303 : LA7956 Video Switch



- Conditions (RX-V495RDS)**
- INPUT → CD
 - VOLUME → minimum(∞)
 - IMPEDANCE
 - SELECTOR → Upper
 - PRO LOGIC → On

★ 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.

SCHEMATIC DIAGRAM (INPUT)



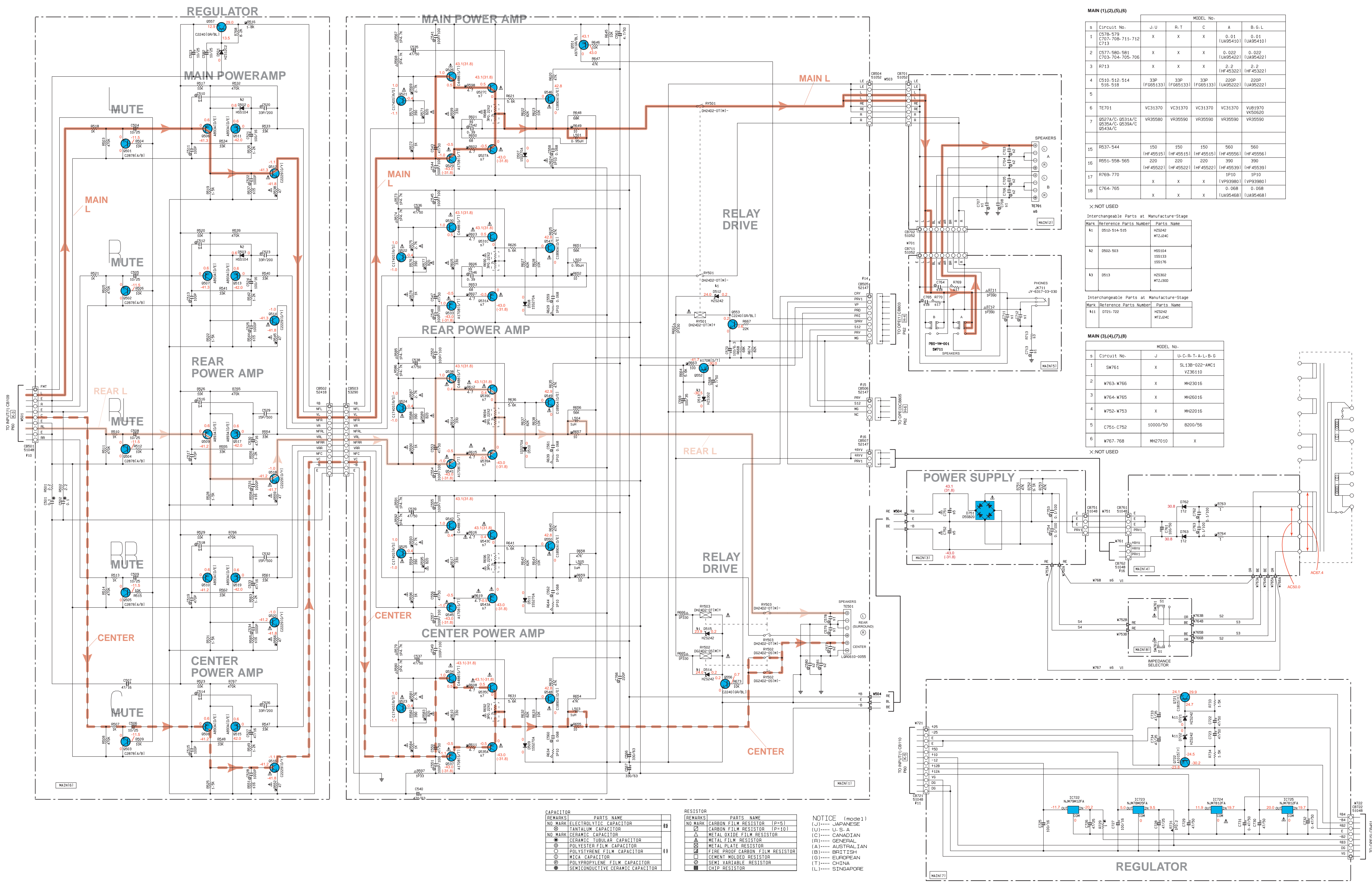
Reference Parts Number	Parts Name	Quantity	Remarks
R2	NO MARK ELECTROLYTIC CAPACITOR	1	
R3	NO MARK CERAMIC CAPACITOR	1	
R4	CERAMIC TUBULAR CAPACITOR	1	
R5	POLYESTER FILM CAPACITOR	1	
R6	POLYBUTYLENE FILM CAPACITOR	1	
R7	SEAL CAPACITOR	1	
R8	POLYPROPYLENE FILM CAPACITOR	1	
R9	SEMICONDUCTIVE CERAMIC CAPACITOR	1	
R10	POLYETHYLENE SULFIDE FILM CAPACITOR	1	

Reference Parts Number	Parts Name	Quantity	Remarks
R11	NO MARK CARBON FILM RESISTOR (P/P)	1	
R12	CARBON FILM RESISTOR (P/P)	1	
R13	METAL FILM RESISTOR	1	
R14	METAL PLATE RESISTOR	1	
R15	FILM PROOF CARBON FILM RESISTOR	1	
R16	CERAMIC RESISTOR	1	
R17	SEMI VARIABLE RESISTOR	1	
R18	CHIP RESISTOR	1	

Conditions (RX-V495RDS)
 • INPUT → CD
 • VOLUME → minimum(∞)
 • IMPEDANCE SELECTOR → Upper
 • PRO LOGIC → On

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

SCHEMATIC DIAGRAM (MAIN)



REMARKS	PARTS NAME	REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR	NO MARK	CARBON FILM RESISTOR (P+P)
NO MARK	TANTALUM CAPACITOR	NO MARK	CARBON FILM RESISTOR (D-10)
NO MARK	CERAMIC CAPACITOR	NO MARK	METAL OXIDE FILM RESISTOR
●	CERAMIC TUBULAR CAPACITOR	○	METAL FILM RESISTOR
○	POLYESTER FILM CAPACITOR	□	METAL PLATE RESISTOR
○	POLYSTYRENE FILM CAPACITOR	▨	FIRE PROOF CARBON FILM RESISTOR
○	MICA CAPACITOR	□	CEMENT MOUNTED RESISTOR
○	POLYPROPYLENE FILM CAPACITOR	○	SEMI-VARIABLE RESISTOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR	■	CHIP RESISTOR

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

MAIN (1),(2),(5),(6)

Circuit No.	J-U	R-T	C	A	B-G-L
1	C578-579 C707-708-711-712 C713	X	X	X	0.01 (UA95410) 0.01 (UA95410)
2	C577-580-581 C703-704-705-706	X	X	X	0.022 (UA95422) 0.022 (UA95422)
3	R713	X	X	X	2.2 (HF45322) 2.2 (HF45322)
4	C510-512-514 516-518	33P (F065133) 33P (F065133)	33P (F065133) 33P (F065133)	200P (UA95222) 200P (UA95222)	
5					
6	T701	VC1370	VC1370	VC1370	VU81970 VU50520
7	Q57A/C- Q531A/C Q530A/C- Q538A/C Q543A/C	VR35580	VR35590	VR35590	VR35590
15	R537-544	150 (HF45515) 150 (HF45515)	150 (HF45515) 150 (HF45515)	560 (HF45561) 560 (HF45561)	
16	R551-558-565	220 (HF45522) 220 (HF45522)	220 (HF45522) 220 (HF45522)	390 (HF45531) 390 (HF45531)	
17	R769-770	X	X	X	(VP93980) (VP93980)
18	C764-765	X	X	X	0.068 (UA95468) 0.068 (UA95468)

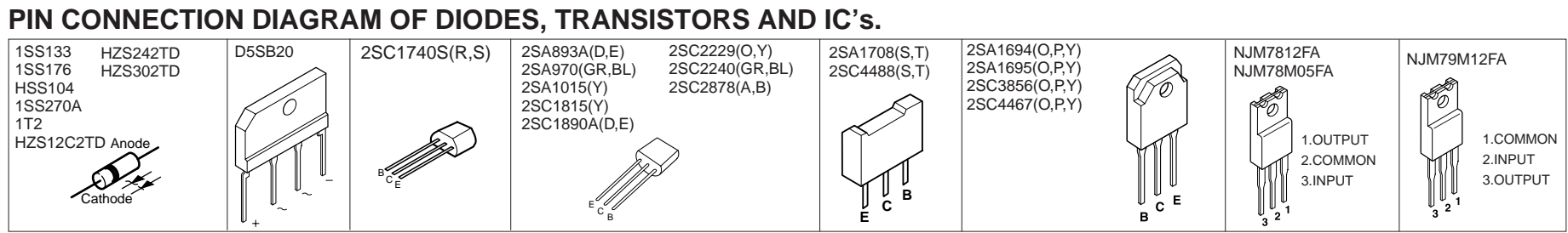
Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
K1	D510-514-515	H024P MFL4MC
K2	D500-503	H58104 H58133 H58176
K3	D513	H2582 MFL300

MAIN (3),(4),(7),(8)

Circuit No.	J	U-C-R-T-A-L-B-G
1	W761	SL13B-022-AMC1 VZ36110
2	W763-W765	MH23016
3	W764-W765	MH25016
4	W752-W753	MH22016
5	C751-C752	10000/50 8200/56
6	W767-768	MH27010

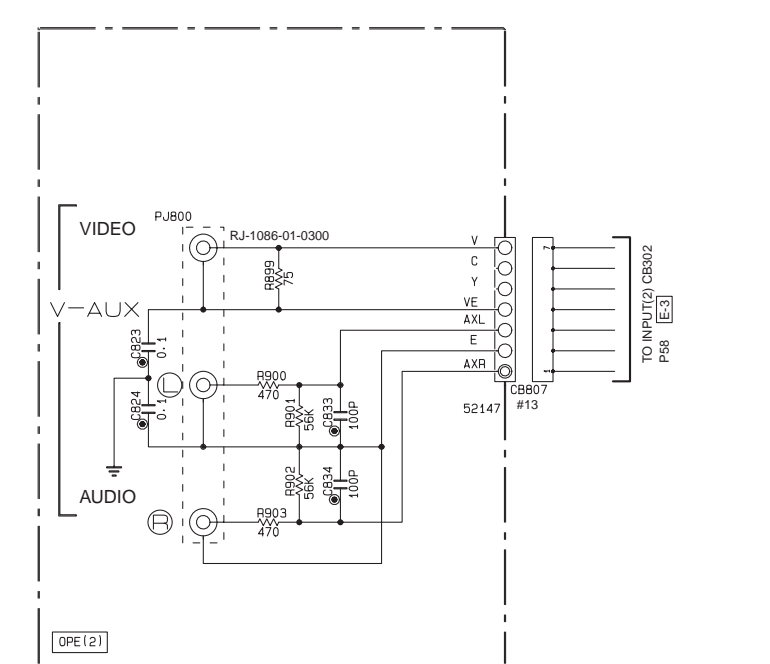
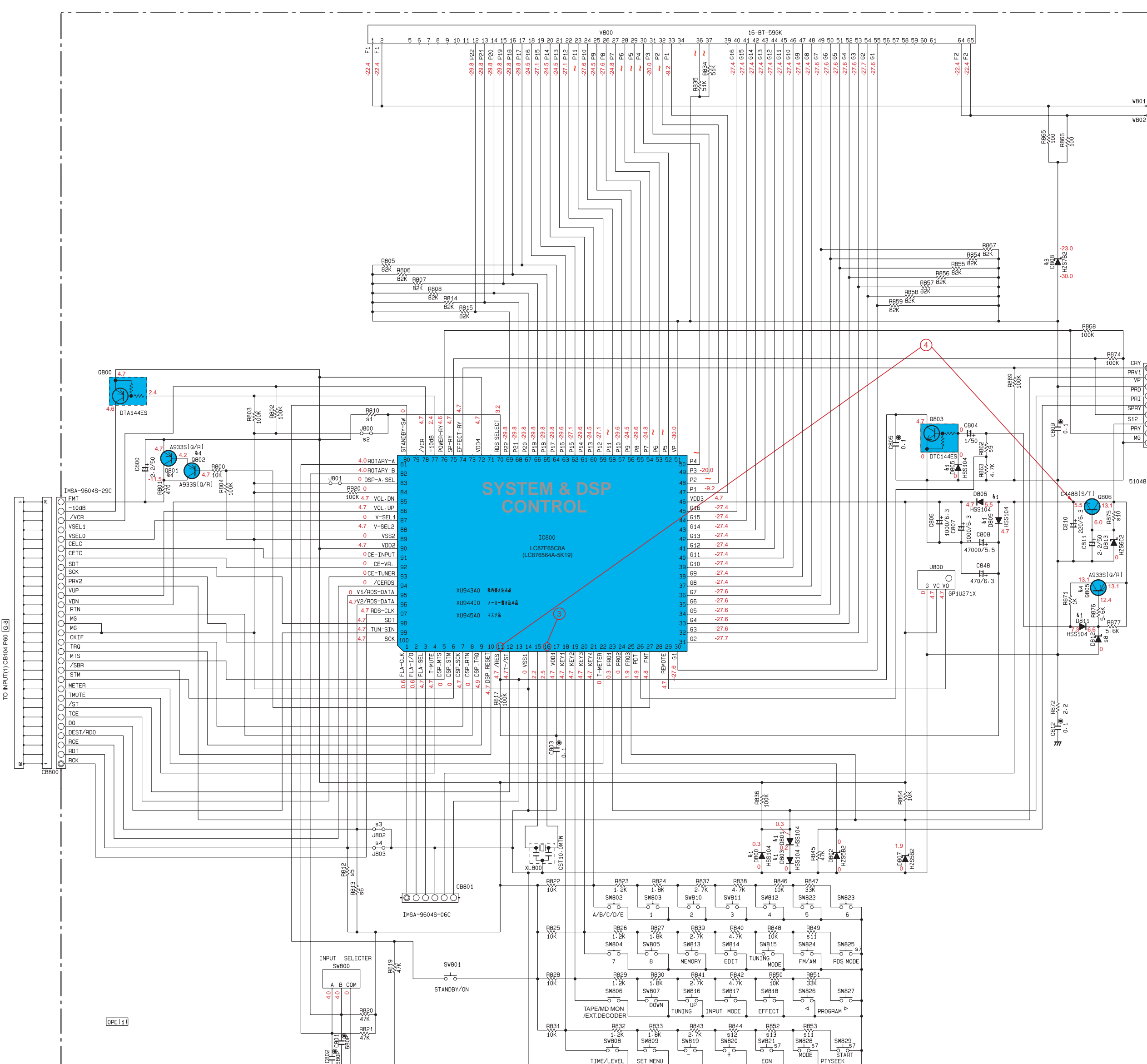
X: NOT USED



Conditions (RX-V495RDS)
 • INPUT → CD
 • VOLUME → minimum(←)
 • IMPEDANCE SELECTOR → Upper
 • PRO LOGIC → On

• 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 (OPERATION)



IC801, 802 : NJM2068LD Dual OP-Amp • IC800 - See page 26-28, IC DATA

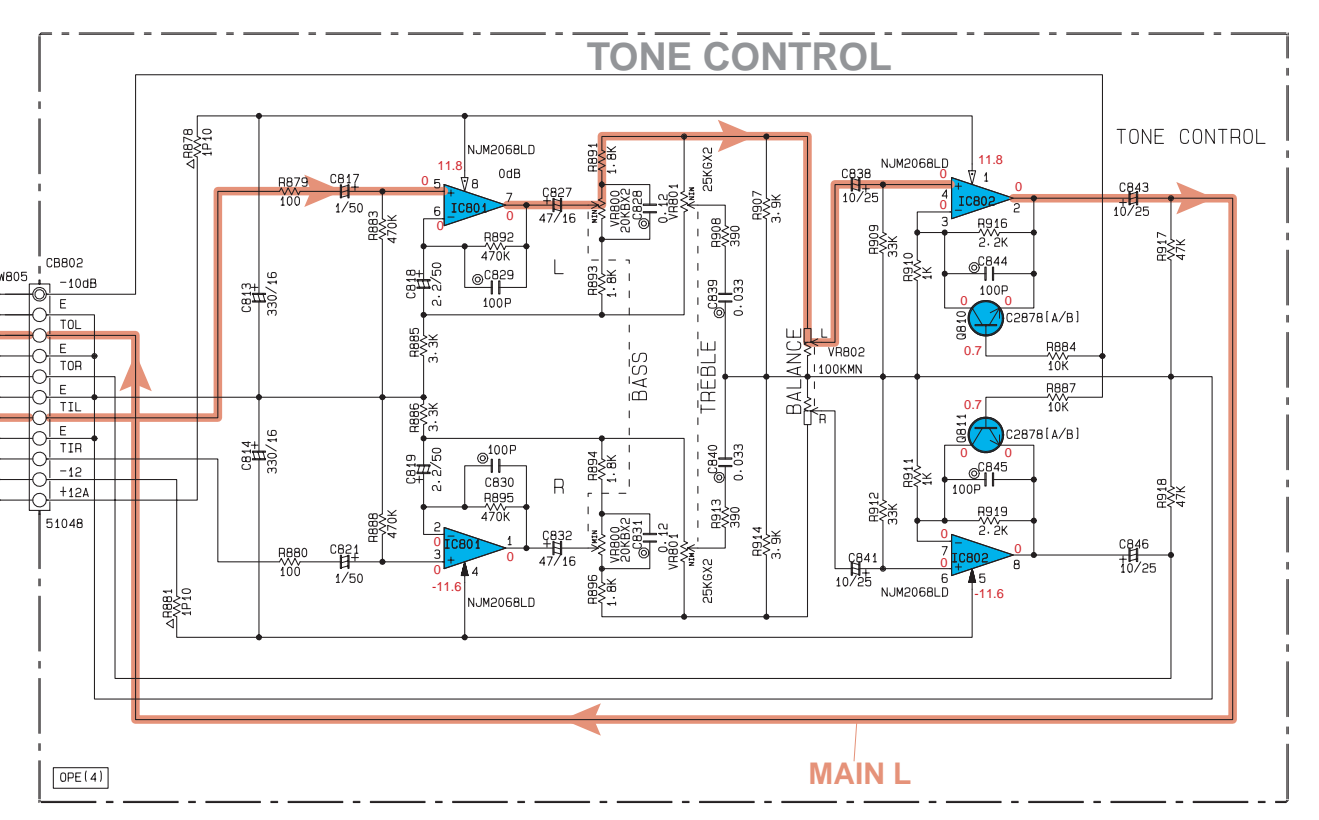
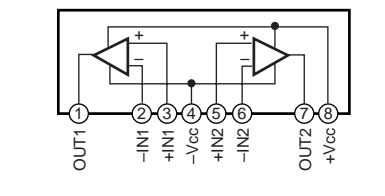


Table with 3 columns: Mark, Reference Parts Number, Parts Name. Lists components like SOT-5-112MR, HF45B10, etc.

Large table with 5 columns: Mark, Reference Parts Number, Parts Name, J, U-C, R-T, A-L, B-G. Lists various components and their interchangeability.

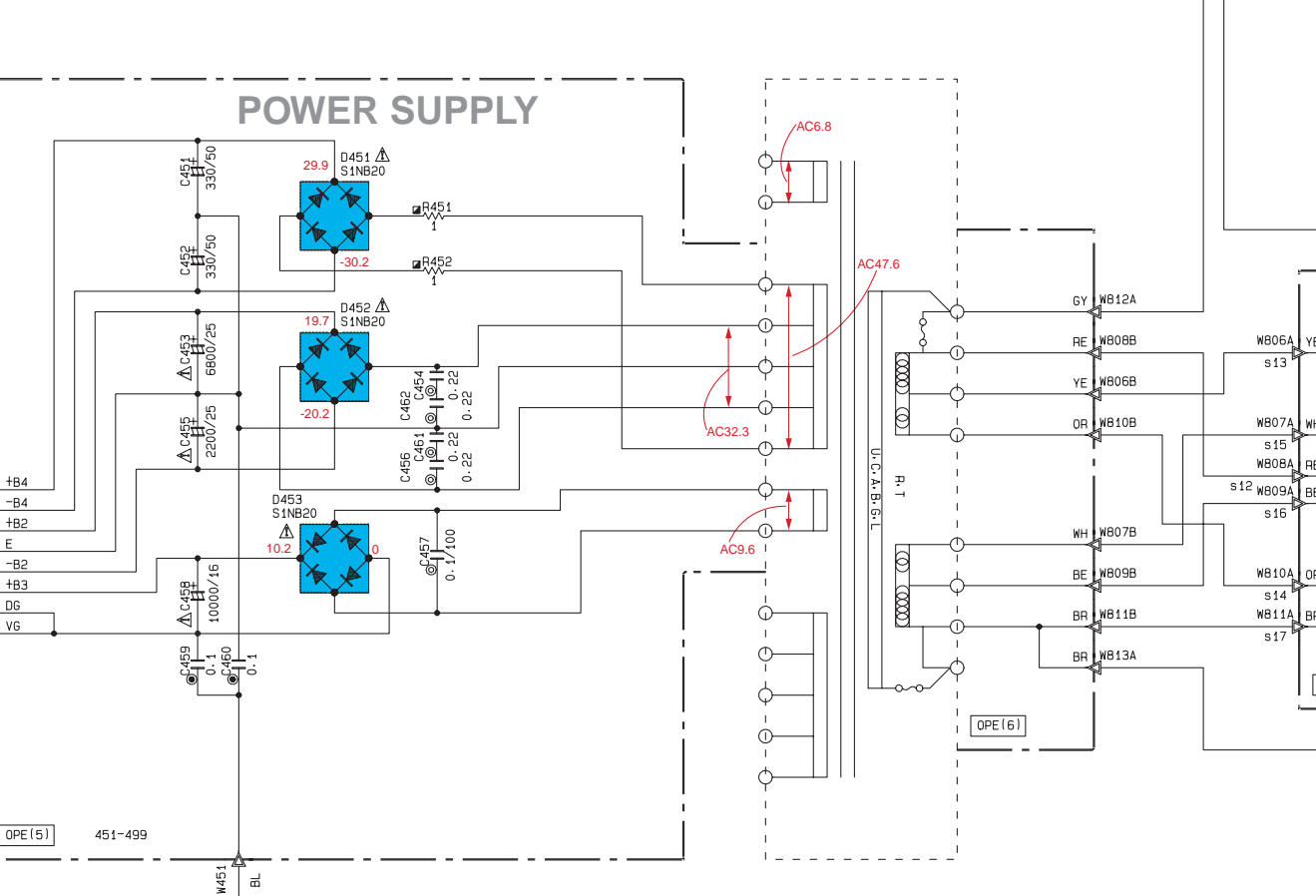
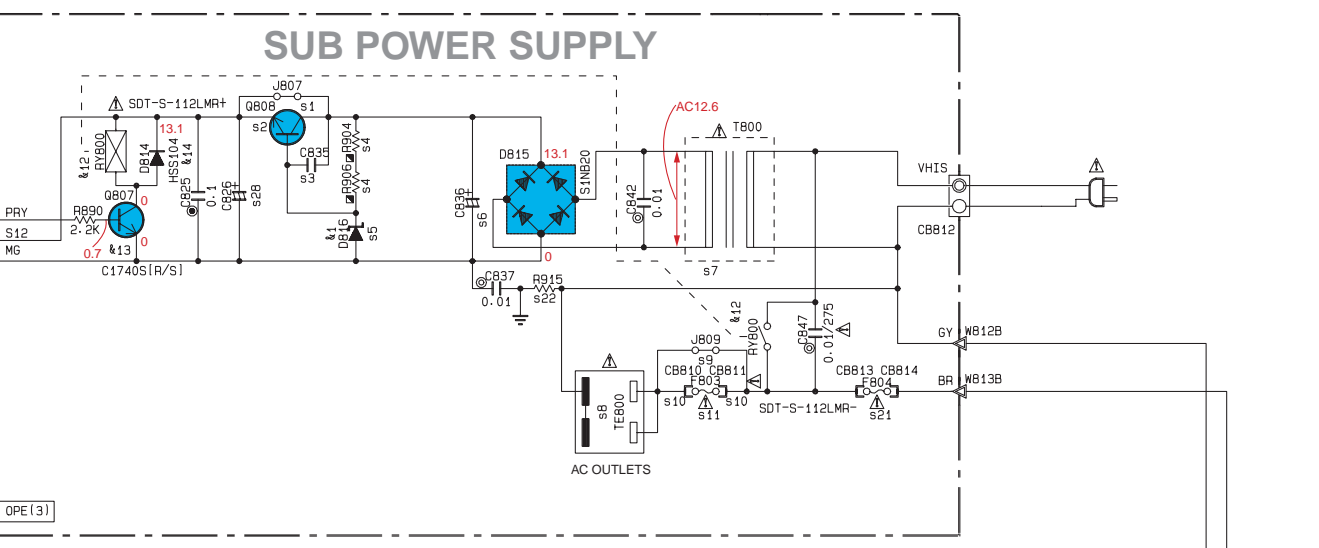
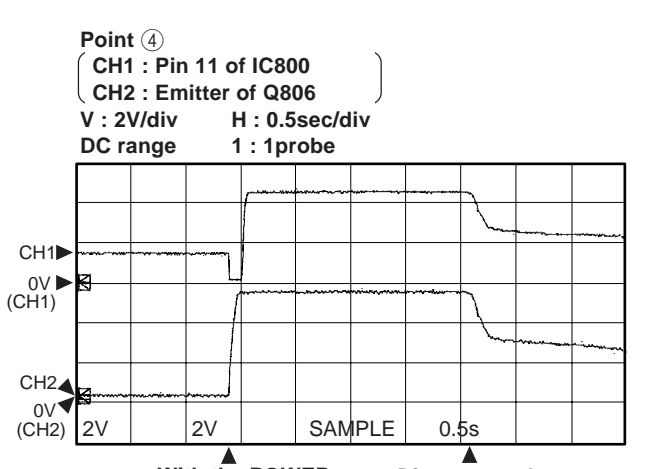
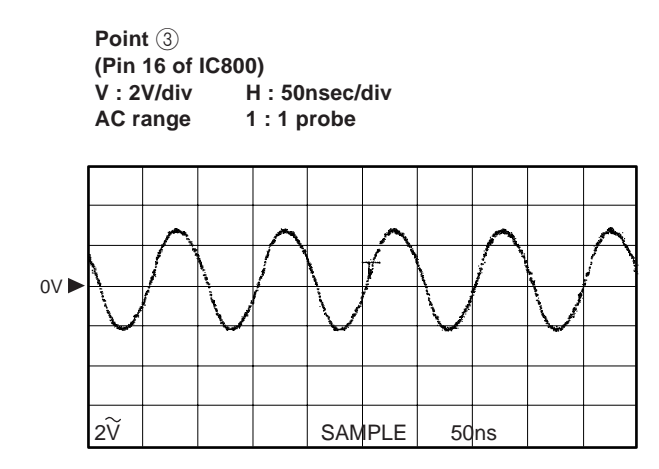


Table with 2 columns: MARK, PARTS NAME. Lists resistor types like CARBON FILM RESISTOR, METAL OXIDE FILM RESISTOR, etc.

Table with 2 columns: MARK, PARTS NAME. Lists capacitor types like TANTALUM CAPACITOR, CERAMIC TUBULAR CAPACITOR, etc.

NOTICE (mode 1) (J)..... JAPANESE (U)..... U.S.A (C)..... CANADIAN (R)..... GENERAL (A)..... AUSTRALIAN (B)..... BRITISH (G)..... EUROPEAN (T)..... CHINA (L)..... SINGAPORE

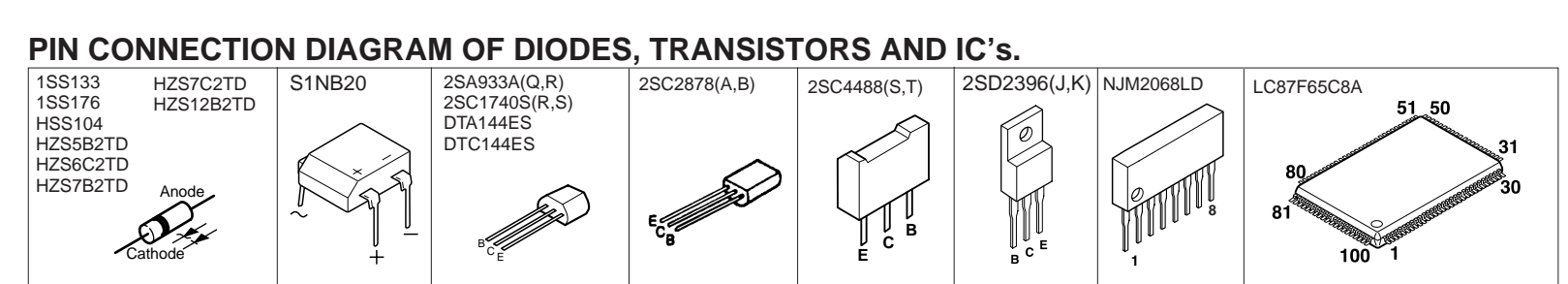


With the POWER switch turned ON, connect the power cord to the AC outlet. Disconnect the power cord from the AC outlet. This waveform is not available by pushing the power switch ON and OFF.

Table with 3 columns: Mark, Reference Parts Number, Parts Name. Lists components like IC800, H51760, etc.

Table with 5 columns: Mark, Reference Parts Number, Parts Name, J, U-C, R-T, A-L, B-G. Lists various components and their interchangeability.

Conditions (RX-V495RDS) INPUT -> CD, VOLUME -> minimum(---), IMPEDANCE SELECTOR -> Upper, PRO LOGIC -> On



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

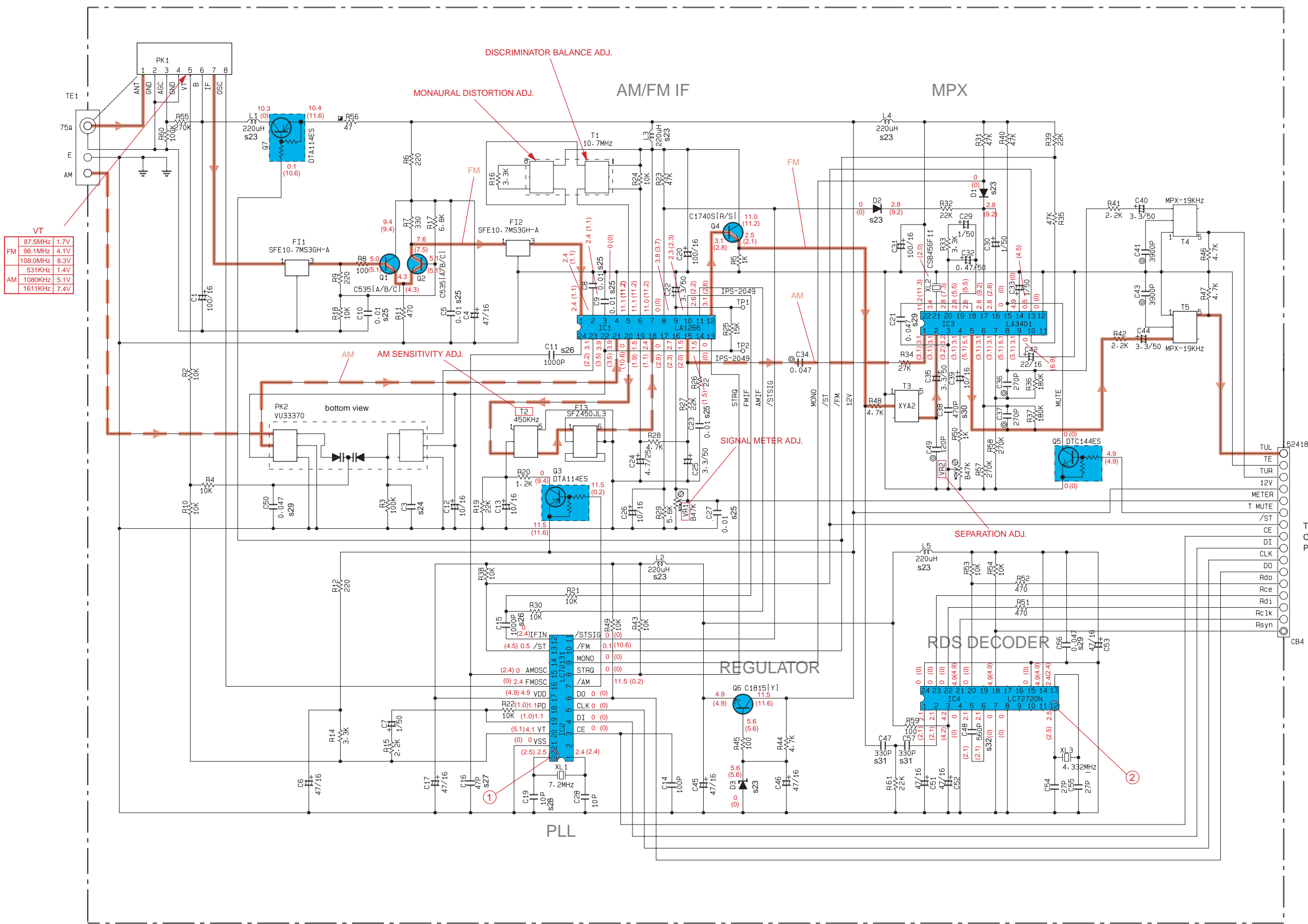
SCHEMATIC DIAGRAM (TUNER) B, G models

Each voltage given here represents that in the FM (98.1MHz STEREO) reception mode but the one in the parentheses () is that in the AM (1080kHz, MAN'L) reception mode.

CAPACITOR	
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

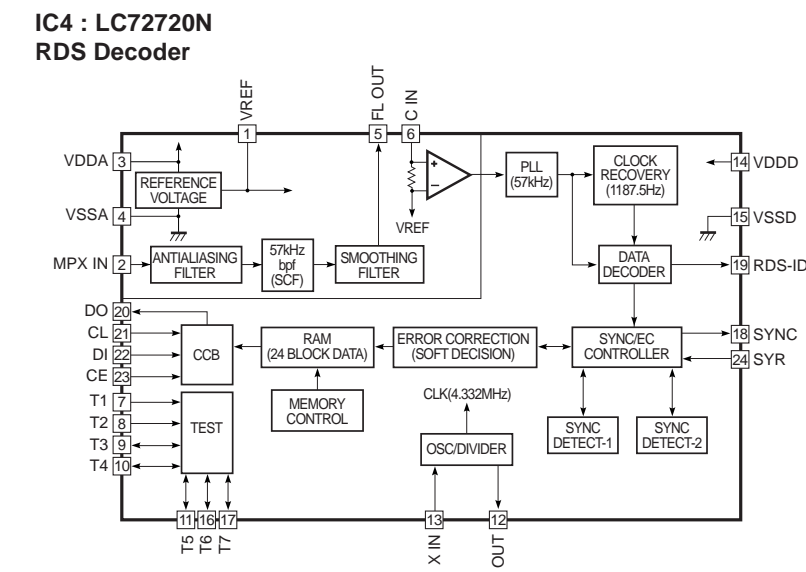
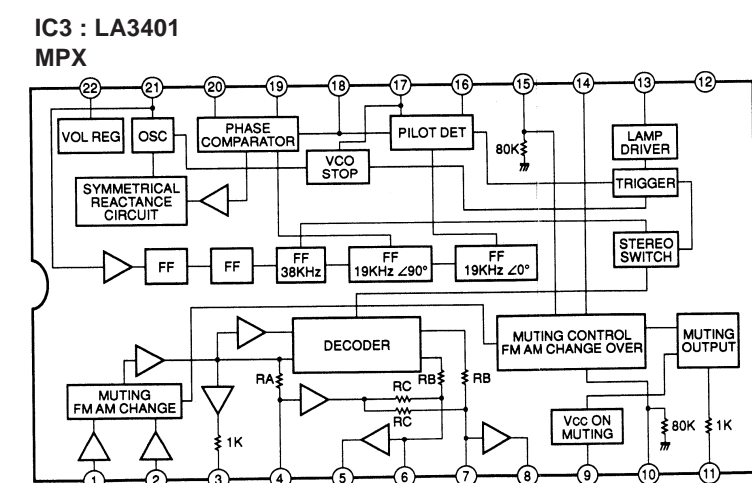
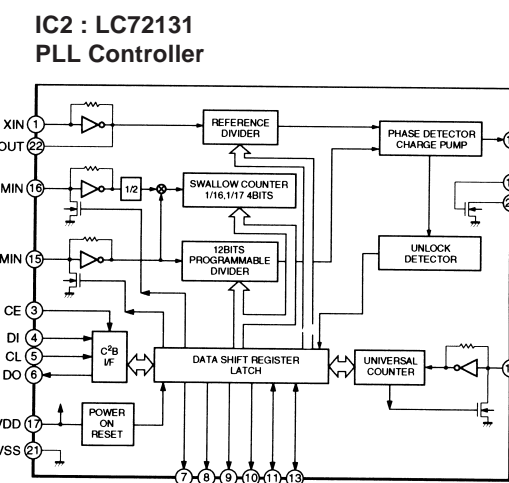
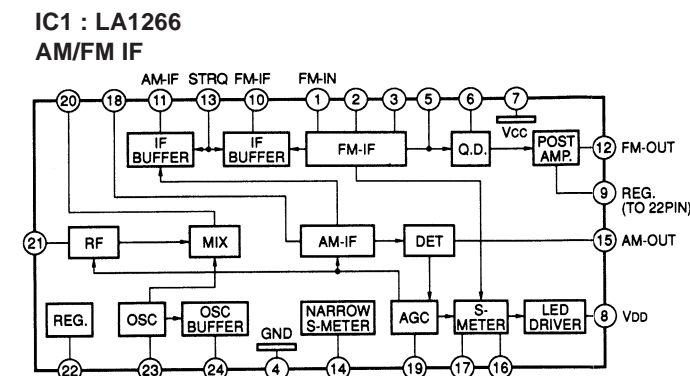
RESISTOR	
REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
⊗	CARBON FILM RESISTOR (P=10)
△	METAL FILM RESISTOR
⊠	METAL PLATE RESISTOR
⊞	FIRE PROOF CARBON FILM RESISTOR
⊞	CEMENT MOLDED RESISTOR
⊞	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

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

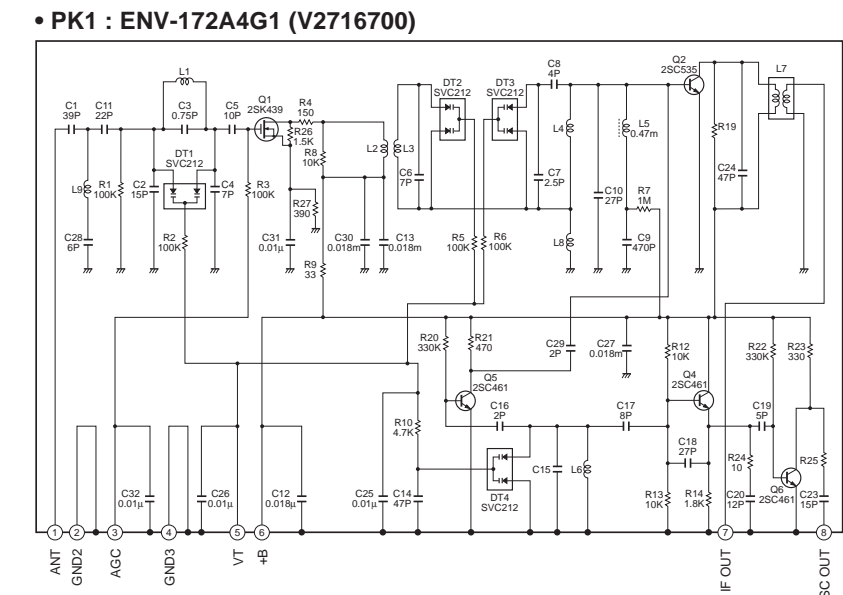


VT

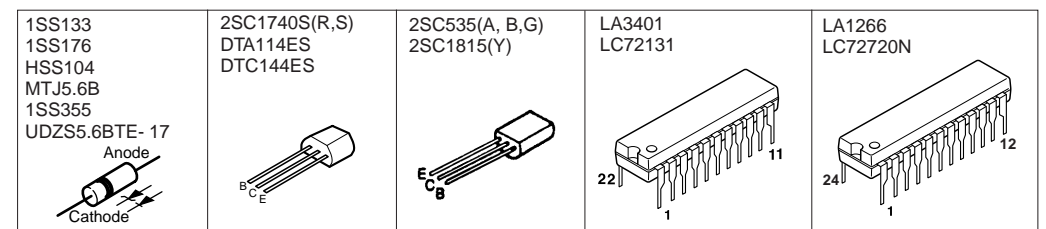
87.5MHz	1.7V
FM 98.1MHz	4.1V
108.0MHz	8.3V
531kHz	1.4V
AM 1080kHz	5.1V
1611kHz	7.4V



s	Lead Type	Lead Type & SMD
21	D1, 2	1SS133, 1SS176, HSS104, VD631600, VT33290
22	D3	MTJ5.6B, UDZ55.6BTE-17, VG43700, VU17200
23	L1,2,3,4,5	VS4610, VU88950
24	C3	8.2P/50V, 8P/50V, VG27580, UB05080
25	C5,8,9,10,23,27	0.0116, 0.0150, F467300, UB04410
26	C11,15	1000P/50, 1000P/50, VF46700, UB01310
27	C16	47P/50, 47P/50, VA46670, UB05147
28	C19	10P/50, 10P/50, VA76060, V400610
29	C21,50,56	0.047/16, 0.047/50, VJ59900, UB04447
30	C38	470P/50, 470P/50, VF46690, UB01247
31	C47,57	330P/50, 330P/50, VG27860, UB01233
32	C48	560P/50, 560P/50, VG27880, UB01256

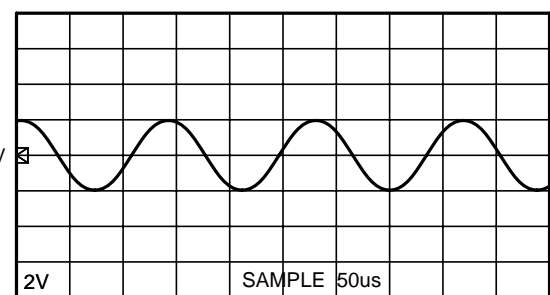


PIN CONNECTION DIAGRAM OF DIODES, TRANSISTORS AND IC'S.



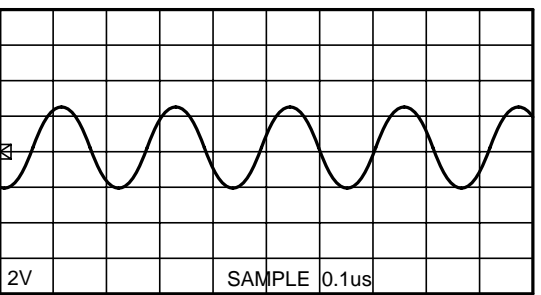
Point ① (Pin22 of IC2)

V : 2V/div H : 50nsec/div DC range 1 : 1 probe



Point ② (Pin12 of IC4)

V : 2V/div H : 0.1µsec/div DC range 1 : 1 probe



* 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.

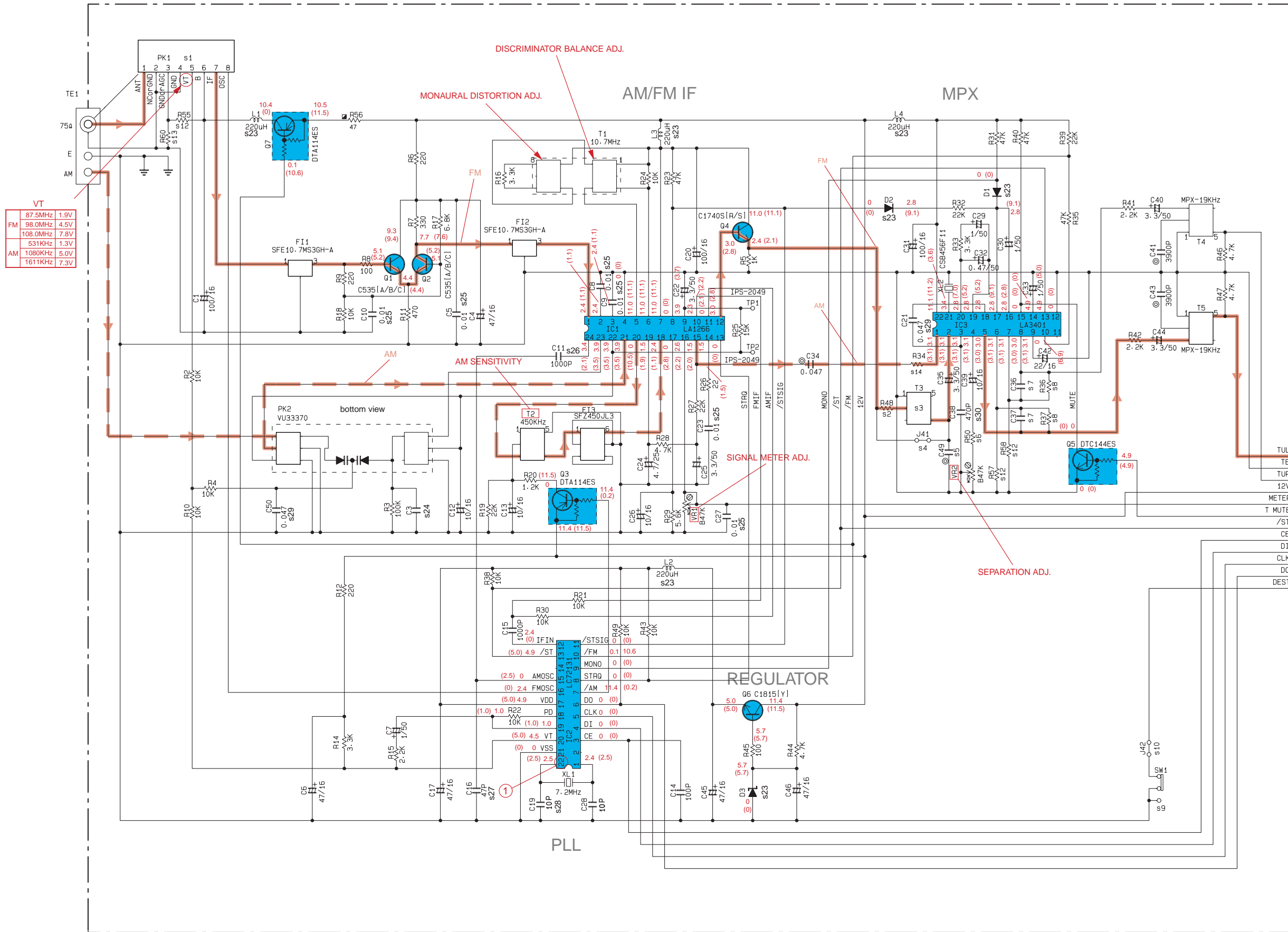
■ SCHEMATIC DIAGRAM (TUNER) J, U, C, R, T, A and L models

Each voltage given here represents that in the FM (98.1MHz STEREO) reception mode but the one in the parentheses () is that in the AM (1080kHz, MAN'L) reception mode.

REMARKS	PARTS NAME	SYMBOL
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	SYMBOL
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	

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



VT

87.5MHz	1.9V
98.0MHz	4.5V
108.0MHz	7.6V
531kHz	1.3V
1080kHz	5.0V
1611kHz	7.3V

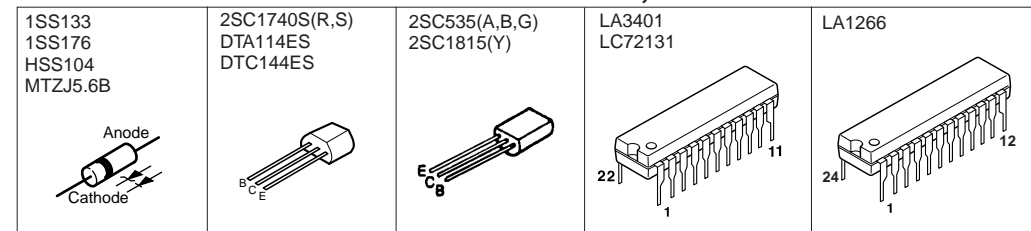
TO INPUT(1)
 CB107
 P60 [H-B]

METER
 T MUTE
 CE
 DI
 CLK
 DO
 DEST

REGULATOR
 06 C1815(Y)
 11.4 (11.5)

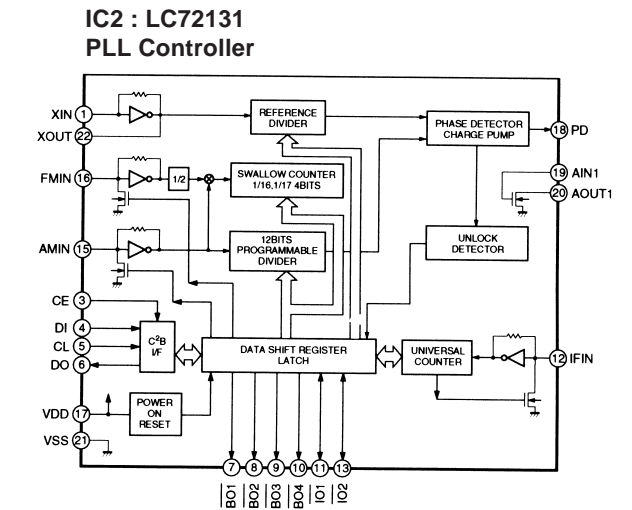
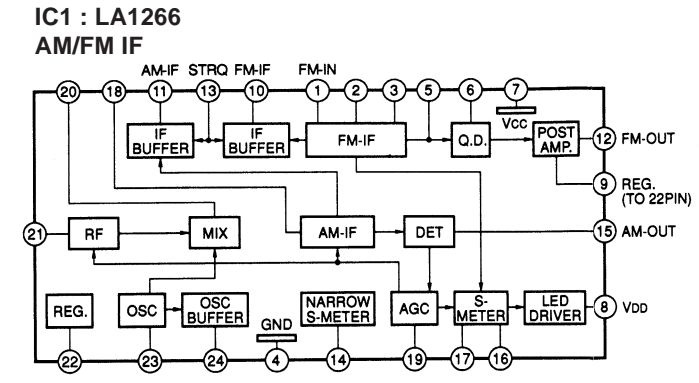
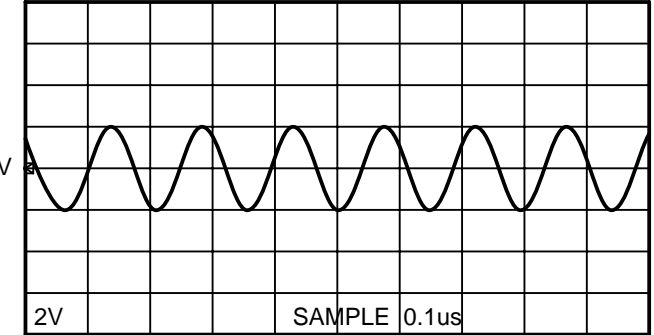
PLL
 06 C1815(Y)
 11.4 (11.5)

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



Point ① (Pin22 of IC2)

V : 2V/div H : 0.1µsec/div DC range 1 : 1 probe

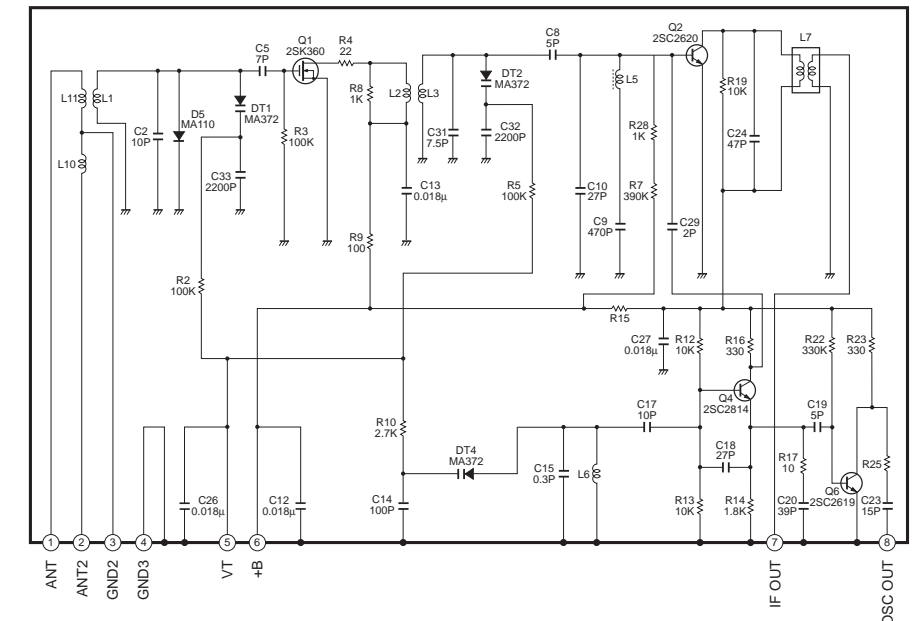


s	J	U-C	R-T	A-B-G-L
1	PK1	V290900	V290910	V271670
2	R48			4.7K
3	T3			YV42 VT48660
4	J41			
5	C49	2200P UAP9322	2200P UAP9322	100P UAP9212
6	R60	20K	20K	1K
7	C36-37	680P UAP9268	1000P UAP9310	270P UAP9227
8	R36-37	75K	75K	180K
9	SW1			YS60265
10	J42			
11				
12	R55-57-58			270K
13	R60			180K
14	R34	10K RD2570	10K RD2570	27K RD2572

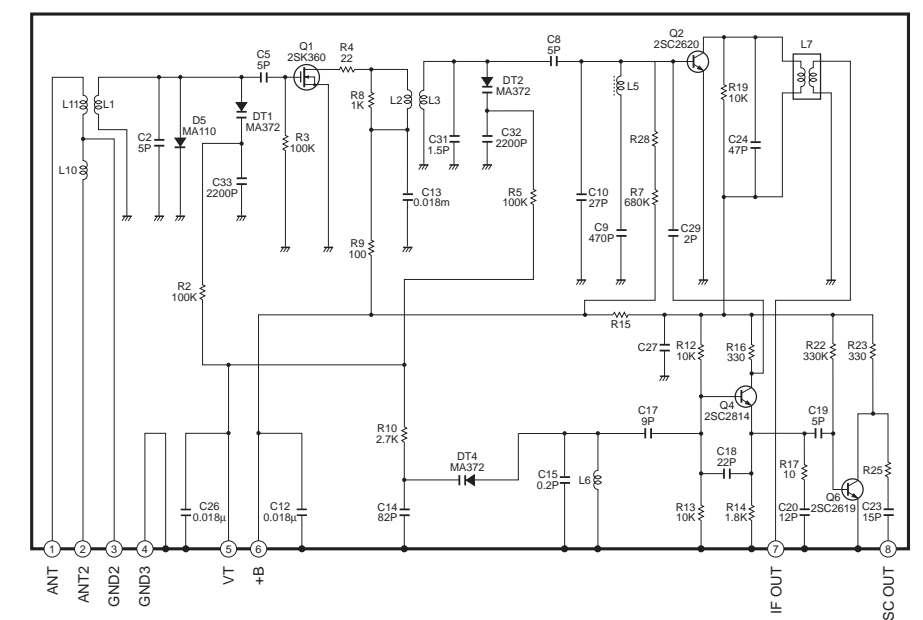
○ USED
 ⊠ NOT USED

s	Lead Type	Lead Type & SMD
21	D1, 2	1SS133, 1SS355
		1SS176, HSS104
		VD631600 VT33290
22	D3	MTZJ5.6B UD255.6BTE-17
		VG43700 VU17200
23	L1,2,3,4	V154610 VU89950
		0.01µF 0.015µF
24	C3	VG27580 UB05080
		1000P/50 1000P/50
25	C5,8,9,10,23,27	F467300 UB04410
		VF46700 UB01310
26	C11,15	47P/50 47P/50
		VA46670 UB05147
27	C16	10P/50 10P/50
		VA76060 V400610
28	C19	0.047µF 0.047µF
		VJ59900 UB04447
29	C21,50	470P/50 470P/50
		VF46690 UB01247

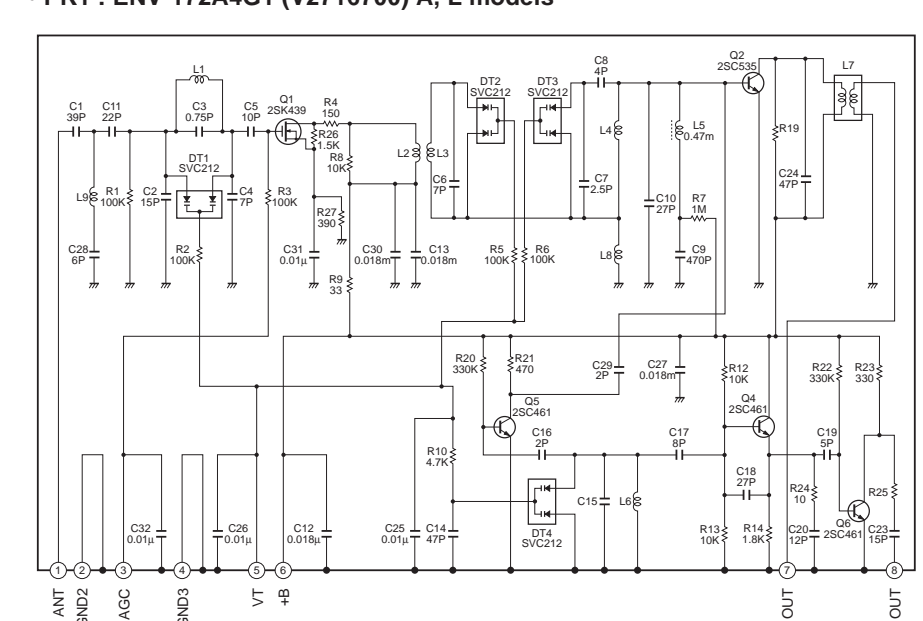
• PK1 : ENV-142C2G1R (V290900) J model



• PK1 : ENV-172C8G1R (V290910) U, C, R, T models



• PK1 : ENV-172A4G1 (V271670) A, L models



* 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.