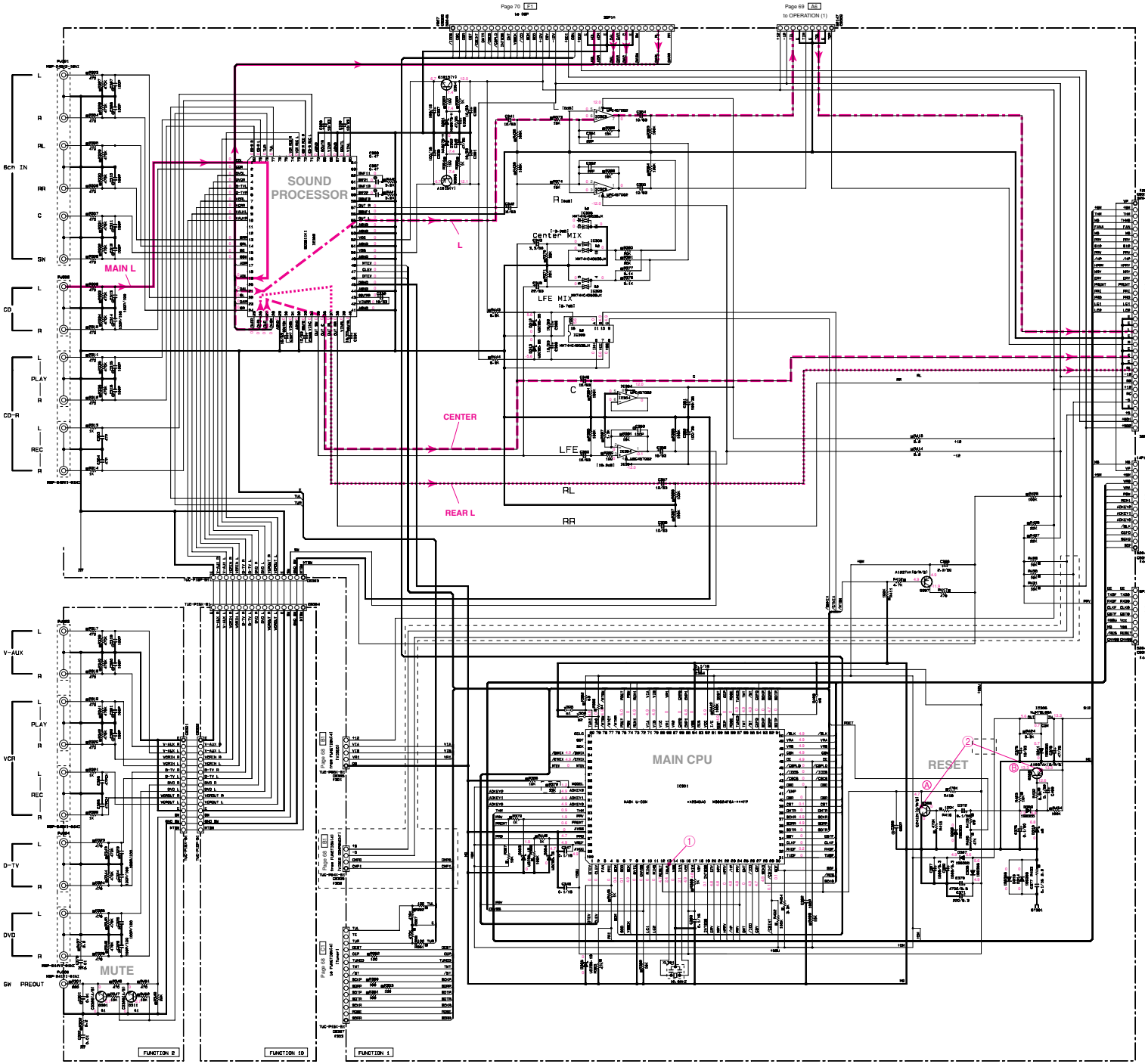
■SCHEMATIC DIAGRAM (FUNCTION 1/2)

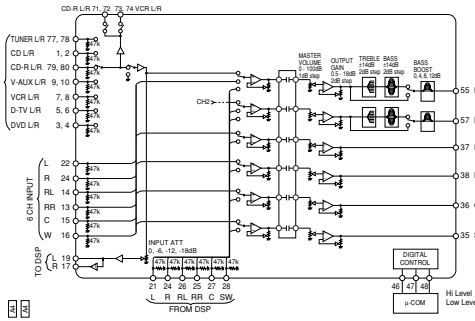
★ All voltages are measured with a 10MΩ/V DC electric volt meter.
★ Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

● 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、安全性確保部品を示しています。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。

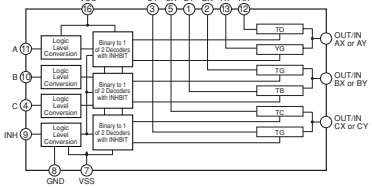


: RX-V530/RX-V530RDS/HTR-5550/HTR-5550RDS/DSP-AX530 only

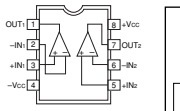
IC302: BD3811K1
Sound Processor



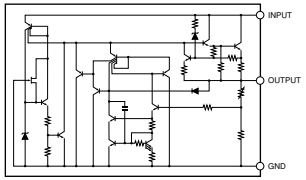
IC305: MM74HC4053SJX
Triple 2-Channel Analog Multiplexer



IC303, 304: μPC4570G2
Dual OP-Amp



IC306: NJM78L05A-T3
Voltage Regulator



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

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

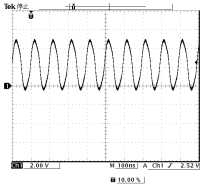
Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
⚠1	D301-341	RD6206B/A/B1 RD6206B/B1
⚠2	IC305	M74HC4053SJX TC74HC4053AF

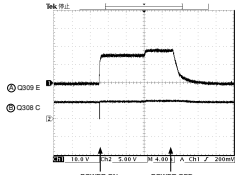
		u	u □	n-k	a-L	a □	
⚠1	J305	○	○	x	x	x	Semi-mount
⚠3	J306	○	x	○	○	x	
⚠3	R309	x	x	100K RD3561G	100K RD3561G	100K RD3561G	
⚠4	R305	x	100K RD3561G	100K RD3561G	x	x	
⚠5							
⚠6	R402	0 RD3309G	0 RD3309G	0 RD3309G	0 RD3309G	×	
⚠7	D310	UD7SB-30 Vo1.7V0	UD7SB-30 Vo1.7V0	UD7SB-30 Vo1.7V0	UD7SB-30 Vo1.7V0	UD7SB-30 Vo1.7V0	
⚠8	R418	22K RD3272G	22K RD3272G	22K RD3272G	22K RD3272G	22K RD3272G	

x: NOT USED
O: USED / APPLICABLE

Point ① Pin 13 of IC301

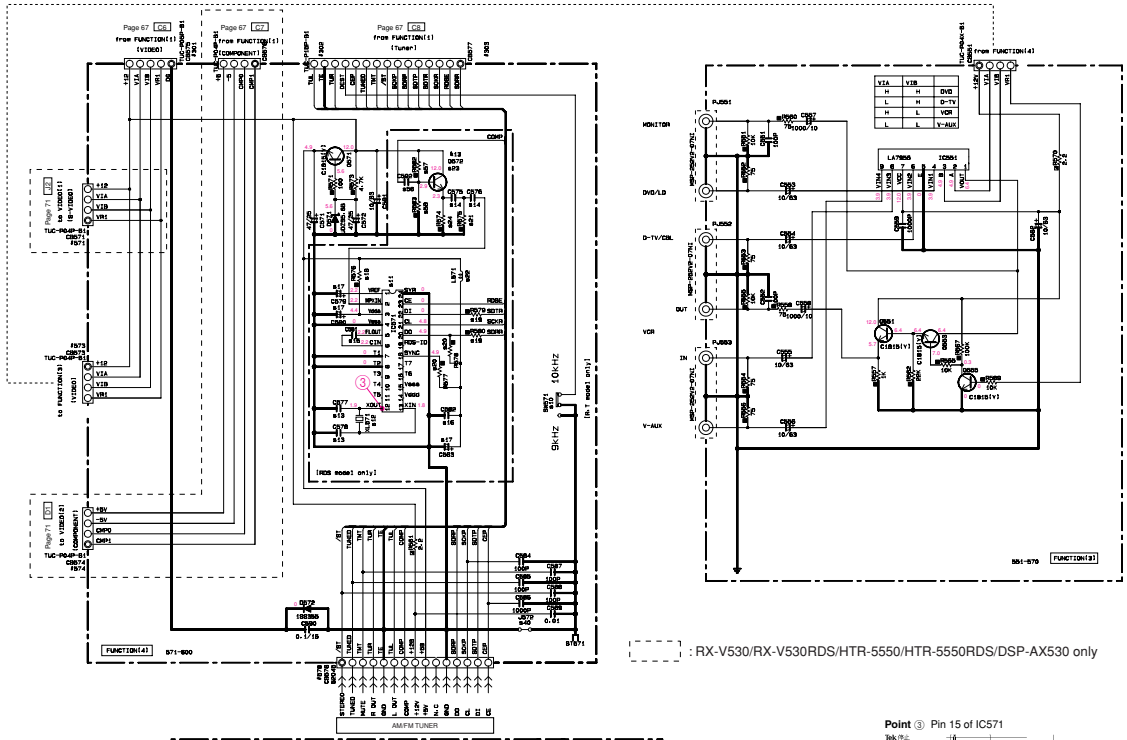


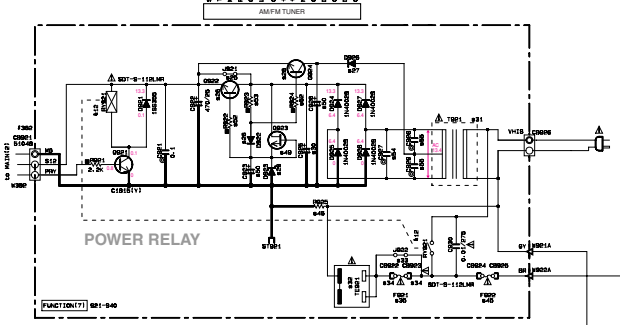
Point ⑥ emitter of Q309 and collector of Q308

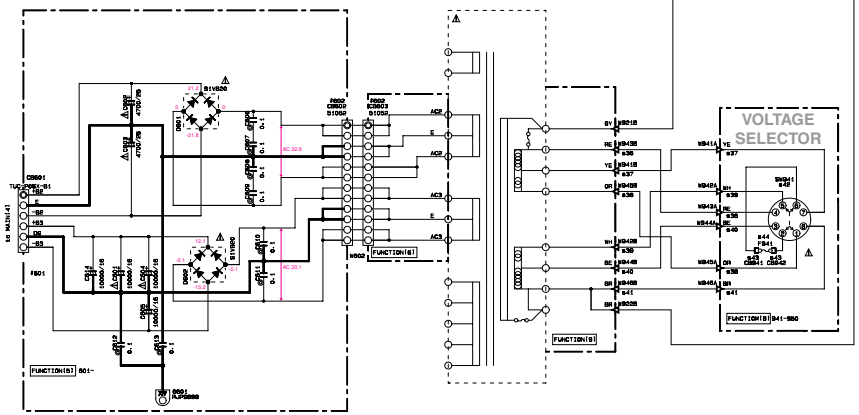


POWER ON (Connect the power cord)
POWER OFF (Disconnect the power cord)

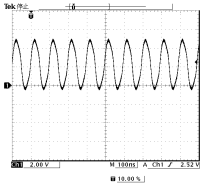
■SCHEMATIC DIAGRAM (FUNCTION 2/2)







Point ③ Pin 15 of IC571



dest. K

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

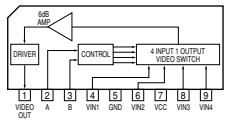
REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
	CARBON FILM RESISTOR (P=10)
	METAL OXIDE FILM RESISTOR
	METAL FILM RESISTOR
	METAL PLATE RESISTOR
	FIRE PROOF CARBON FILM RESISTOR
	CEMENT MOLDED RESISTOR
	SEMI VARIABLE RESISTOR
	CHIP RESISTOR

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

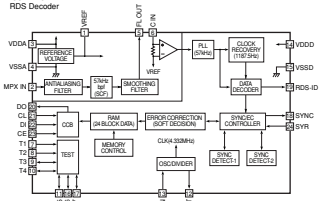
Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
&11		
&12	RY&21	SDT-S-112LMR DG(&D1-D[W]II AL-K&321
&13	Q&72	PSC1740D(R/S) 2SC2603(E/F) PSC2311A(G/R/S)
&14		

IC551: LA7956
Video Switch



IC571: LC72722
RDS Decoder



		J	U-C	A-T	A	B	G	L	K
&10	BW571	x	x	PS20MJB V36&430	x	x	x	x	x
&11	IC571	x	x	x	x	LC72722 XY53&40	LC72722 XY53&40	x	x
&12	XL571	x	x	x	x	4.332MHz V36&090	4.332MHz V36&090	x	x
&13	C577-578	x	x	x	x	27PCH VA75110	27PCH VA75110	x	x
&14	C575-576	x	x	x	x	330P U50&23	330P U50&23	x	x
&15	C581	x	x	x	x	560P U50&06	560P U50&06	x	x
&16	C582	x	x	x	x	0.1/16 U&13610	0.1/16 U&13610	x	x
&17	C578-580-583	x	x	x	x	47/25 UR&3747	47/25 UR&3747	x	x
&18	R575	x	x	x	x	100 RD36510	100 RD36510	x	x
&19	R578-580	x	x	x	x	470 RD36547	470 RD36547	x	x
&20	R577-578	x	x	x	x	10K RD36710	10K RD36710	x	x
&21	R575	x	x	x	x	22K RD36722	22K RD36722	x	x
&22	L571	x	x	x	x	220uH VU60550	220uH VU60550	x	x
&23	Q572	x	x	x	x	IC17402	IC17402	x	x
&24	R574	x	x	x	x	3.3K RD36322	3.3K RD36322	x	x
&25	VR01	0	0	x	0	0	0	0	0
&26	D602-604	x	x	DD3&B[U/K] VR61060	x	x	x	x	x
&27	D606	x	x	1N4002S V130770	x	x	x	x	x
&28	D602	x	x	1&&3&5 V133250	x	x	x	x	x
&29	D623	x	x	LGZ13& VU17250	x	x	x	x	x
&30	C625	x	x	10/100 UR&5710	x	x	x	x	x
&31	TS01	XM505	XM606	XW974	XM606	XM606	XM606	XM606	XM606
&32	TES01	VU54310	VU54310	VU&67&0	VT81500	VU54330	VU54340	VU54340	x
&33	JJ02	0	0	0	0	0	x	x	x
&34	DB6RA-203	x	x	x	x	x	VR20650	VR20650	x
&35	FS01	x	x	x	x	x	T2.5A/250V VT&4250	T2.5A/250V VT&4250	x
&36	XW43	x	x	M-0E614	x	x	x	x	x
&37	XW41	x	x	M-04&20	x	x	x	x	x
&38	XW45	x	x	M-03&70	x	x	x	x	x
&39	XW42	x	x	M-09&18	x	x	x	x	x
&40	XW44	x	x	M-0E&20	x	x	x	x	x
&41	XW46	x	x	M-01&25	x	x	x	x	x
&42	SW541	x	x	V71&230	x	x	x	x	x
&43	C&41-&42	x	x	VR20650	x	x	x	x	x
&44	F&41	x	x	T2.5AL/250V K60076	x	x	x	x	x
&45	F&22	7A/125V VP&0690	7A/125V VP&0690	7A/125V VP&0990	T3.15AL/250V K60076	T3.15AL/250V K60076	T3.15AL/250V K60076	T3.15AL/250V K60076	T3.15AL/250V K60076
&46	R625	x	1/2W2.2K VR73000	x	x	x	x	x	x
&48	D&23	x	x	K247[Y] IE10&62	x	x	x	x	x
&50	C&25-626	x	x	10/&3 UR&7710	x	x	x	x	x
&52	R&50-&24	x	x	100 RD36510	x	x	x	x	x
&53	R&22	x	x	&8K RD35768	x	x	x	x	x
&54	C&27	0.01 UA&5410	0.01 UA&5410	x	0.01 UA&5410	0.01 UA&5410	0.01 UA&5410	0.01 UA&5410	0.01 UA&5410
&55	C&28-&29	x	x	0.01 UA&5410	x	x	x	x	x
&56	C&32	x	x	x	x	100P UB&5310	100P UB&5310	x	x
&57	R&82	x	x	x	x	10K RD36810	10K RD36810	x	x
&58	R&83	x	x	x	x	33K RD36733	33K RD36733	x	x
&59	XW47	x	x	x	x	x	x	x	M-0&807

x: NOT USED
0: USED / APPLICABLE

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★ Schematic diagram is subject to change without notice.

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■SCHEMATIC DIAGRAM (OPERATION)

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
Ⓢ	POLYPHENYLENE SULFIDE FILM 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

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

		J, U, C, R, T, K, A, L	B, G
a5	SW711~714	×	VV02030
a6	R711	×	10K RD35710
a7	R712	×	22K RD35722
a8	R713	×	47K RD35747
a9	R714	×	220K RD35822

×: NOT USED
○: USED / APPLICABLE

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★ Schematic diagram is subject to change without notice.

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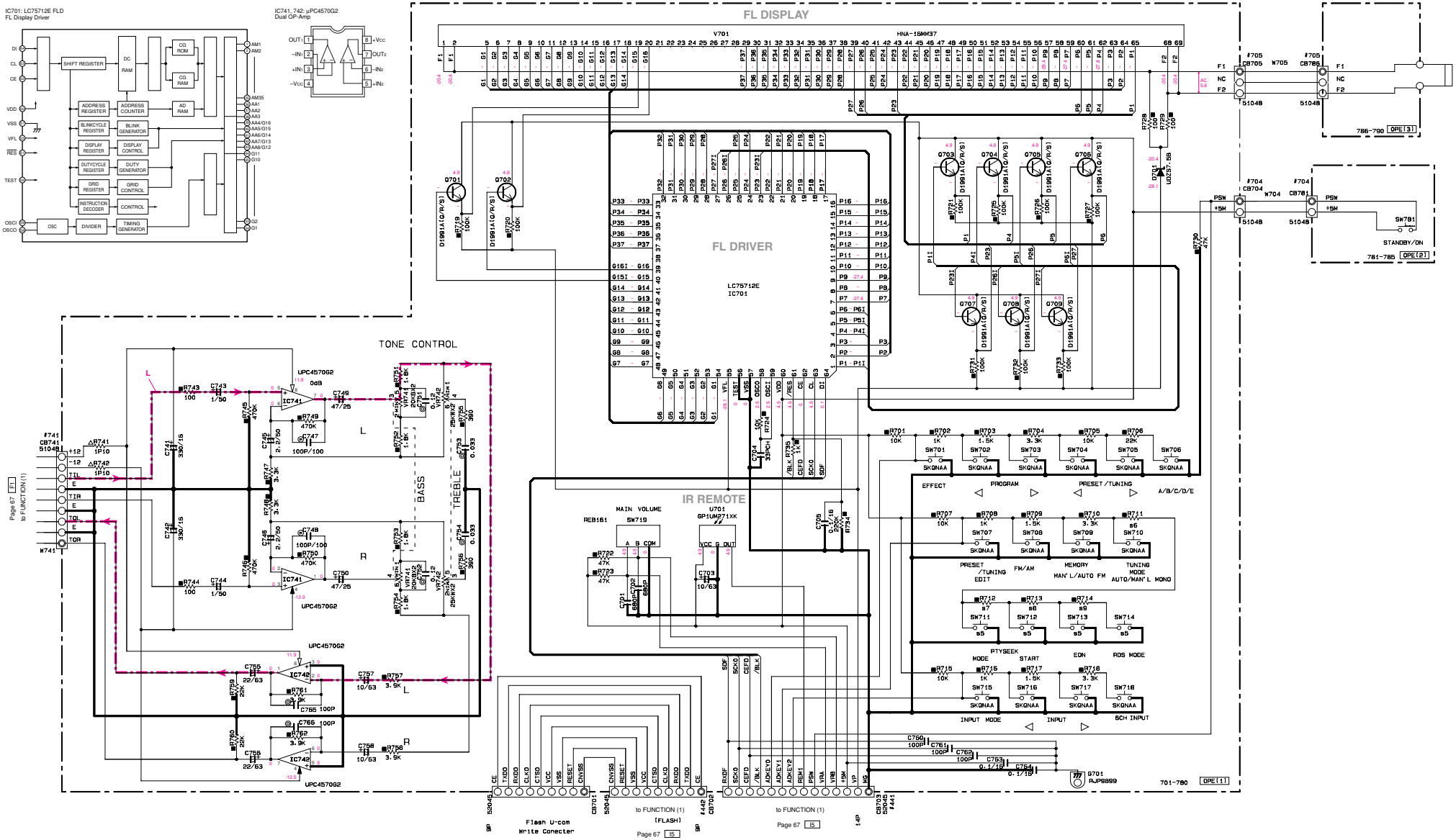
● ↑印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
● 本回路図は標準回路図です。改良のため予告なく変更することがございます。

IC701: LC75712E FLD
FL Display Driver

IC741, 742: μPC4570G2
Dual OP-Amp



■SCHEMATIC DIAGRAM (DSP)

Page 67 ET
to FUNCTION (1)

REGULATOR

4M DRAM

DSP

DUTY CORRECTOR

LEVEL CONVERT & SIGNAL DETECT

J-DESTINATION ONLY

256K SRAM

PLD

CODEC

DECODER

MAIN L (ANALOG IN)

L

CENTER

REAR L

Point ④ Pin 2 of IC600

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

IC601: MSM51V4260C-60JS 4Mbit DRAM

IC602: PQ05EZ5MZP Regulator

IC603: μPC29M33T-E1 Voltage Regulator

IC604: CS493292-CLR Audio Decoder

IC605: NJM2904M Dual OP-Amp

IC606: TC74HCT00AF Quad 2-Input Nand Gate

IC607: TC74HCU04AF Hex Inverters

IC608: CY62256LL Static RAM

IC609: XC9572XL-10TQ100C CPLD

IC610: TC74HCT08AF Quad 2-Input And Gate

IC614: AK4527BVQ 24bit CODEC

IC617~621: μPC4570G2 Dual OP-Amp

: RX-V530/RX-V530RDS/HTR-5550/HTR-5550RDS/DSP-AX530 only

J model only
(DSP-AX530/DSP-AX430)

★ 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。
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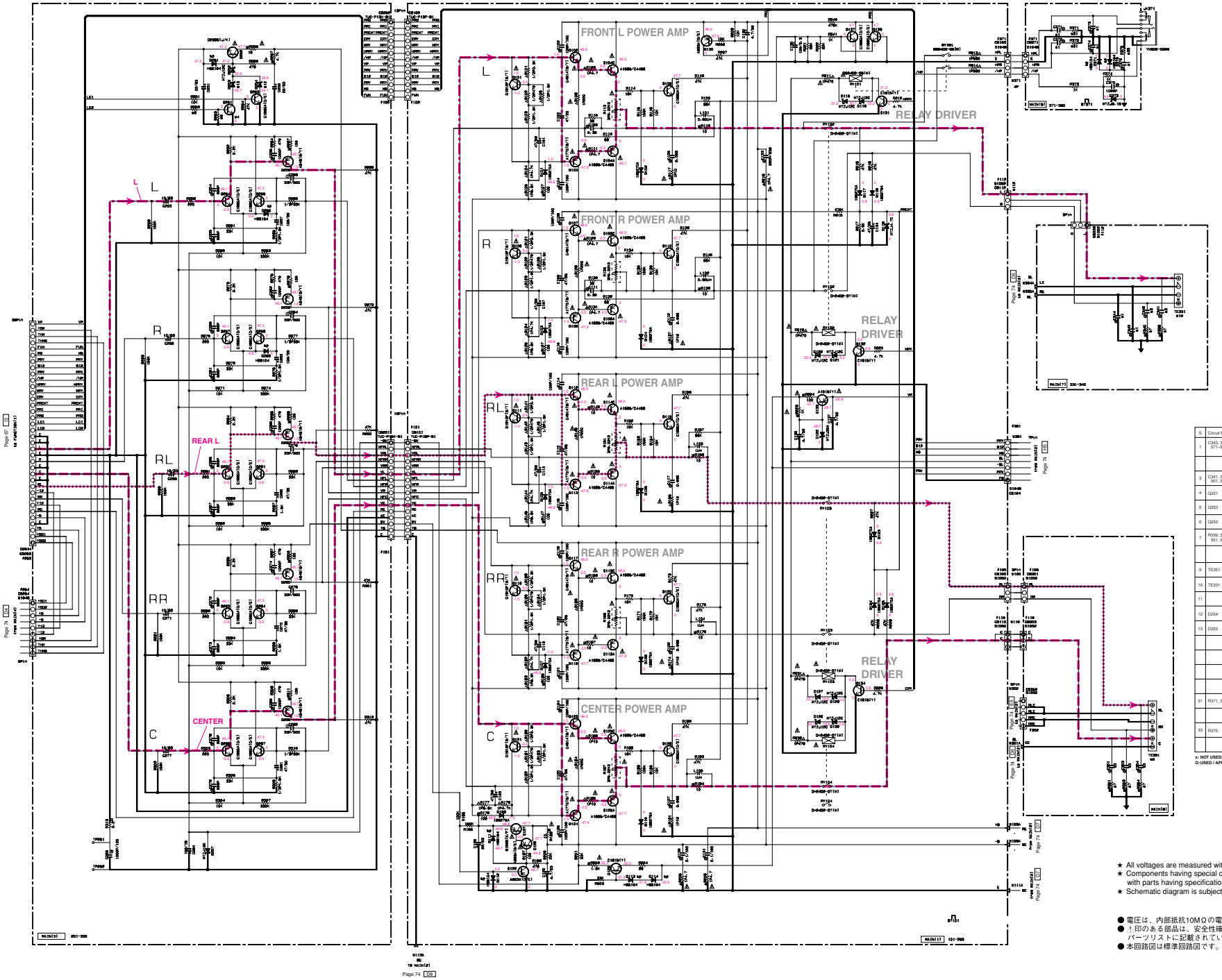
● 本回路図は標準回路図です。改良のため予告なく変更することがございます。

■SCHEMATIC DIAGRAM (MAIN 1/2) RX-V530/RX-V530RDS/HTR-5550/HTR-5550RDS/DSP-AX530/RX-V430RDS/HTR-5540RDS only



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

CAPACITOR

REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	B
⊗	TANTALUM CAPACITOR	
NO MARK	CERAMIC CAPACITOR	
⊗	CERAMIC TUBULAR CAPACITOR	
⊗	POLYESTER FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	
⊙	MICA CAPACITOR	
⊕	POLYPROPYLENE FILM CAPACITOR	
◉	SEMICONDUCTIVE CERAMIC CAPACITOR	
◉	POLYPHENYLENE SULFIDE FILM 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
M	D111-114-891-208-P06	+BS4X4
	371-379	+BS4X8
		+BS4X16

S	Circuit No.	model J	U, C	R, T, K, A	B, G, L	
1	C343, 344 371~374, 376	X	X	0.01 [UA45410]	0.01 [UA45410]	
3	C341, 342 351, 353, 354	X	X	0.022 [UA45422]	0.022 [UA45422]	
4	Q251	X	C1600A[DE] [VP88310]	C1600A[DE] [VP88310]	C1600A[DE] [VP88310]	Under
5	Q253	X	47K [HF45747]	47K [HF45747]	47K [HF45747]	
6	Q252	X	10K [HF45710]	10K [HF45710]	10K [HF45710]	
7	R339, 340 351, 353, 354	X	X	2.2 [HV75322]	2.2 [HV75322]	
9	TE351	LTS0610-1006 [V677110]	LTS0610-1006 [V677110]	LTS0610-1006 [V677110]	LTS0610-1007 [V591200]	
10	TE331	LTS0410-3011 [V642350]	LTS0410-3011 [V642350]	LTS0410-3011 [V642350]	LTS0410-3009 [V642340]	
11						
12	D254	MTZJ10C [VG43950]	MTZJ12C [VG44030]	MTZJ12C [VG44030]	MTZJ12C [VG44030]	Under
13	D253	X	MTZJ6.8B [VG43830]	MTZJ6.8B [VG43830]	MTZJ6.8B [VG43830]	
31	R371, 372	X	X	4.7 [HF45347]	4.7 [HF45347]	
33	R375	X	X	2.2 [HF45322]	2.2 [HF45322]	

x: NOT USED
O:USED / APPLICABLE

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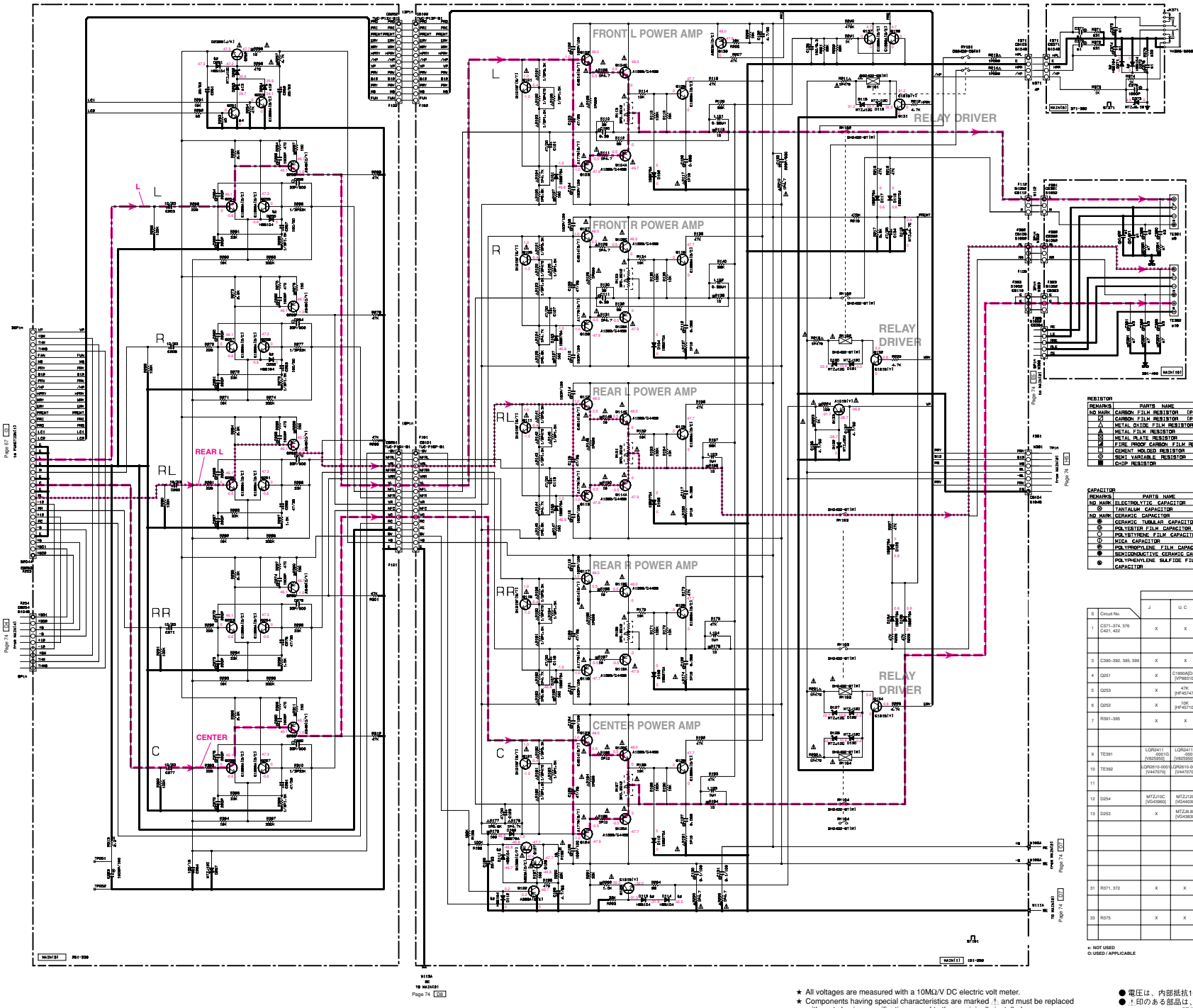
■SCHEMATIC DIAGRAM (MAIN 1/2) RX-V530/HTR-5540/DSP-AX430 only



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
	MICA CAPACITOR
	POLYPROPYLENE FILM CAPACITOR
	SEMICONDUCTIVE CERAMIC CAPACITOR
	POLYPHENYLENE SULFIDE FILM CAPACITOR

Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
★2	D111-114,251-255,258	HSS194
	371-374	HSS192
		HSS178

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

S	Circuit No.	J	U, C	R, T, K, A	L	
1	C371~374, 376 C421, 422	X	X	0.01 [UA65410]	0.01 [UA65410]	
3	C390~392, 395, 399	X	X	0.022 [UA65422]	0.022 [UA65422]	
4	Q251	X	C1890A[D/E] [VP65210]	C1890A[D/E] [VP65210]	C1890A[D/E] [VP65210]	
5	Q253	X	47K [HF45747]	47K [HF45747]	47K [HF45747]	
6	Q252	X	10K [HF45710]	10K [HF45710]	10K [HF45710]	
7	R391~395	X	X	2.2 [HV75322]	2.2 [HV75322]	
9	TE391	LQR2411-0001G [V825050]	LQR2411-0001G [V825050]	LQR2411-0001G [V825050]	LQR2411-0003G [V825060]	
10	TE392	LQR2610-0001 [V447070]	LQR2610-0001 [V447070]	LQR2610-0001 [V447070]	LQR2610-0003 [V447090]	
11						
12	D254	MTZJ10C [V043960]	MTZJ12C [V044030]	MTZJ12C [V044030]	MTZJ12C [V044030]	
13	D253	X	MTZJ6.8B [V043830]	MTZJ6.8B [V043830]	MTZJ6.8B [V043830]	
31	R371, 372	X	X	4.7 [HF45347]	4.7 [HF45347]	
33	R375	X	X	2.2 [HF45322]	2.2 [HF45322]	

x: NOT USED
O: USED / APPLICABLE

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■SCHEMATIC DIAGRAM / (MAIN 2/2)

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

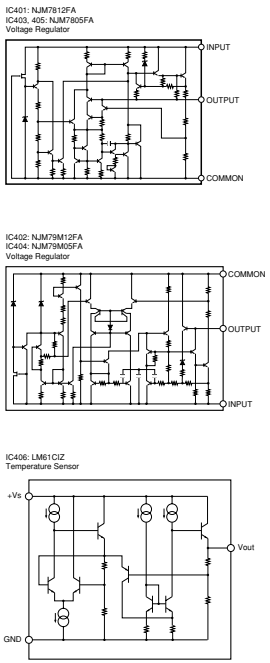
CAPACITOR

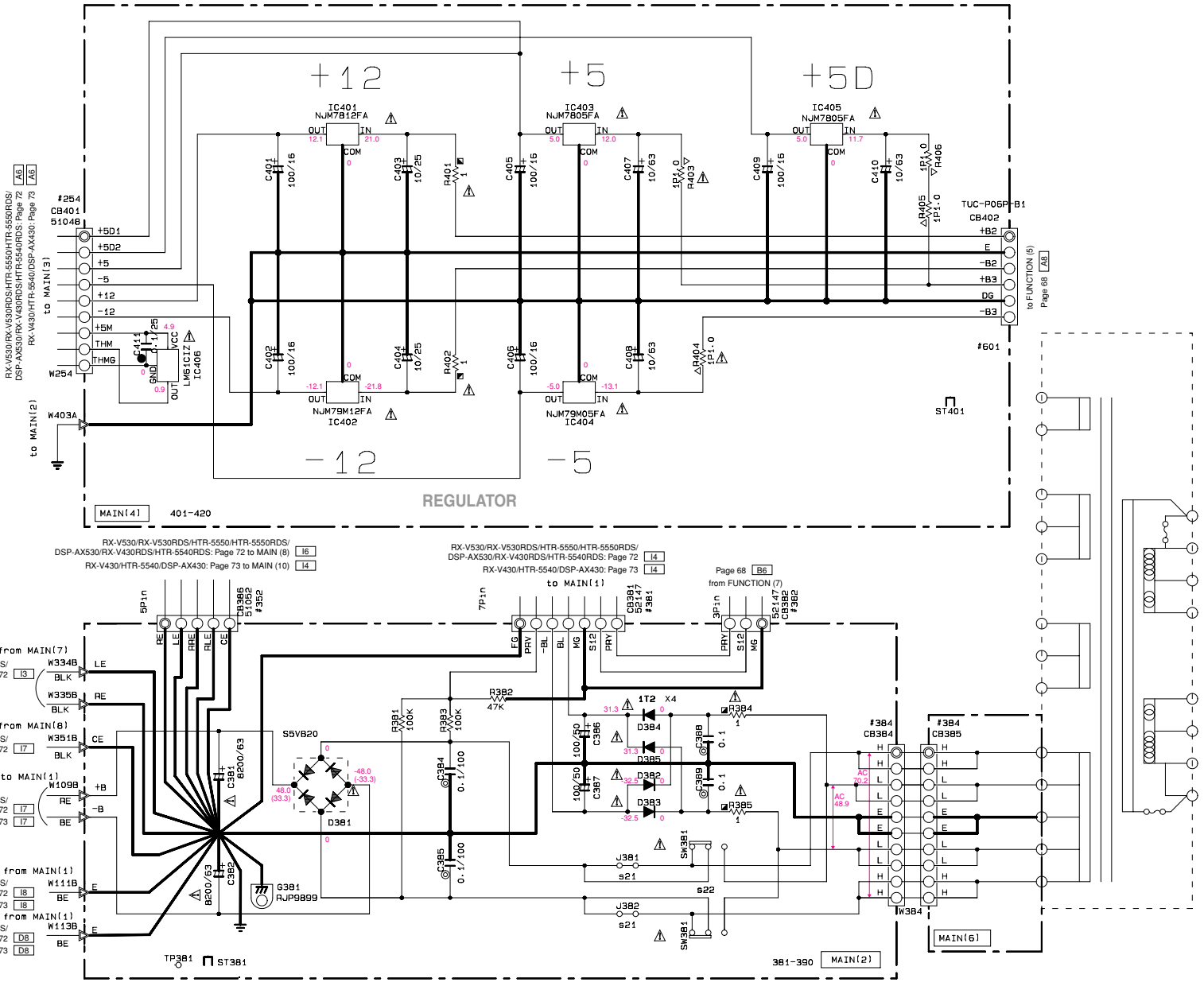
REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	⫻
⊗	TANTALUM CAPACITOR	
NO MARK	CERAMIC CAPACITOR	⫼
◉	CERAMIC TUBULAR CAPACITOR	
◎	POLYESTER FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	
ⓘ	MICA CAPACITOR	
Ⓟ	POLYPROPYLENE FILM CAPACITOR	
◍	SEMICONDUCTIVE CERAMIC CAPACITOR	

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

s	Circuit No.	J	U.C.R.T.K A.B.G.L
21	J381.382	0	X
22	SW381	X	SL13B-022AMCS [V410420]

x: NOT USED
O: USED / APPLICABLE





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