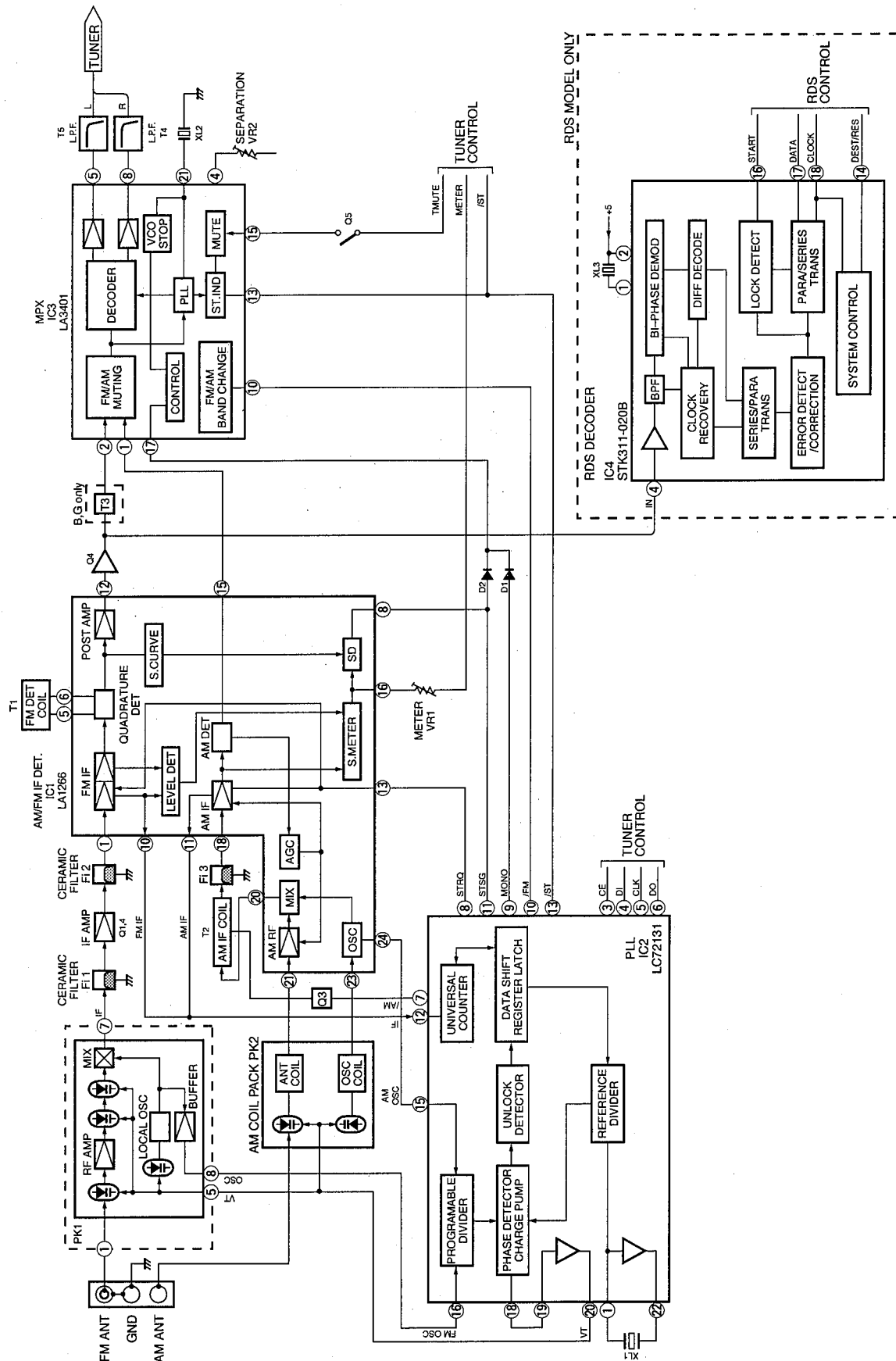


■ BLOCK DIAGRAM



BLOCK DIAGRAM



PIN CONNECTION DIAGRAM

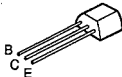
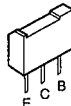
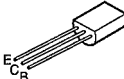
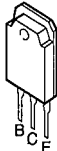
ICs

AN78N05 	M5220L 	μPC4570HA 	LB1641
NJM79M15FA 	NJM2068L-D NJM4558L-D 	LA7956 	
STK311-020B 	LC78213 LC78211 		
LA3401 LC72131 	YSS203B 		
LA1266 	M38172M4-192FP 		
LH5P832D-10 			

Diodes

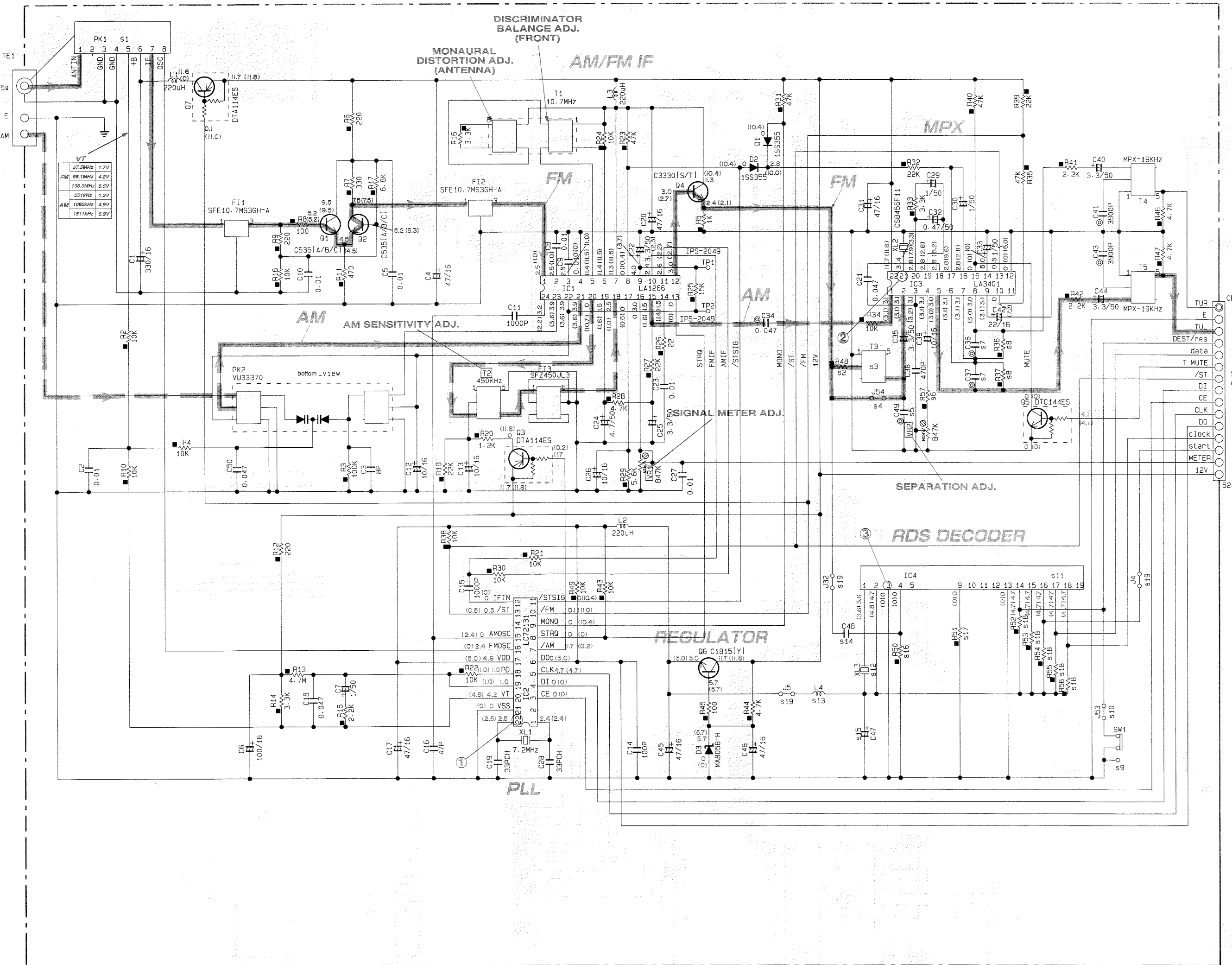
1SS133 1SS355 1SS270A 1T2 2A02M 	HZS5C2TD HZS5B2TD HZS6A2TD HZS7A2TD HZS12B2TD HZS12A2TD HZS152TD HZS242TD MA8056-H
S1NB20 	
S4VB20 	

Transistors

2SA933S (Q, R) 2SA1740S (R, S) 2SC3330 (S, T) 2SD1915F (S, T) DTA114ES DTC144ES 	2SA1708 (S, T) 2SC4488 (S, T) 
2SA893A (D, E) 2SA1015 (Y) 2SB647 (C, D) 	2SC535 (A, B, C) 2SC1815 (Y) 2SC1890A (D, E) 2SC1890E 2SC2229 (O, Y) 2SC2240 (GR, BL) 2SC2878 (A, B) 
2SA1694 (O, P, Y) 2SC4467 (O, P, Y) 2SA1695 (O, P, Y) 2SC4468 (O, P, Y) 2SC4466 (O, P, Y) 	2SD856 (P, Q) 2SC4495 

■ SCHEMATIC DIAGRAM (TUNER)

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



CIRCUIT CHANGES BY MARKET.

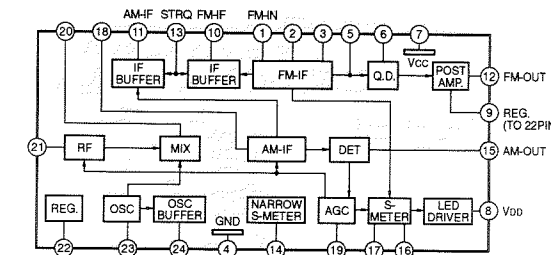
	J	U. C	R	A. B. G. L	B. G. RDS
1 PK1	VR60440	VR24220	VR24220	VQ98760	VQ98760
2 R4B				4.7K	4.7K
3 T3				XYA2	XYA2
4 U54				120P	120P
5 C49				1K	1K
6 R57	22K	22K	22K	1K	1K
7 C36-37	680P	1000P	1000P	470P	470P
8 R36-37	75K	75K	75K	100K	100K
9 SW1				VS60260	
10 U53					
11 IC4				STK311-020B	
12 XL3				CSB456F33	
13 L4				220uH	
14 C48				100P	
15 C47				47/15	
16 R50				47K	
17 R51				33K	
18 R52-56				10K	
19 J4: 5-32					
20					

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

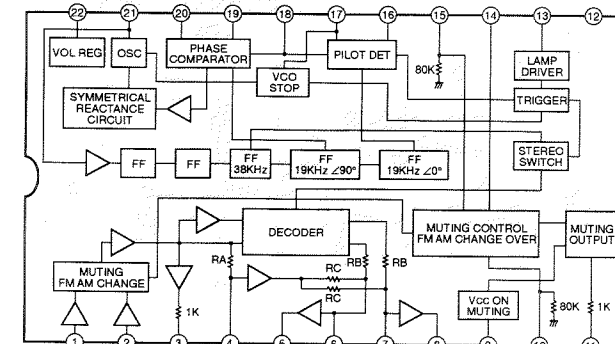
REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
⊗	CARBON FILM RESISTOR (P=10)
△	METAL OXIDE FILM RESISTOR
△	METAL FILM RESISTOR
⊗	METAL PLATE RESISTOR
⊗	FIRE PROOF CARBON FILM RESISTOR
⊗	CEMENT MOLDED RESISTOR
⊗	SEMI VARIABLE RESISTOR
⊗	CHIP RESISTOR

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

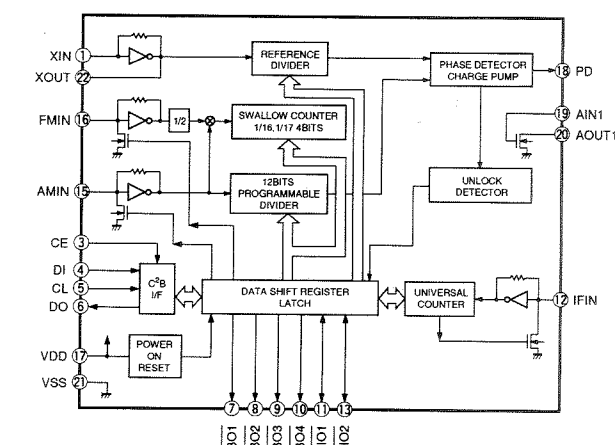
IC1 : LA1286
AM/FM IF



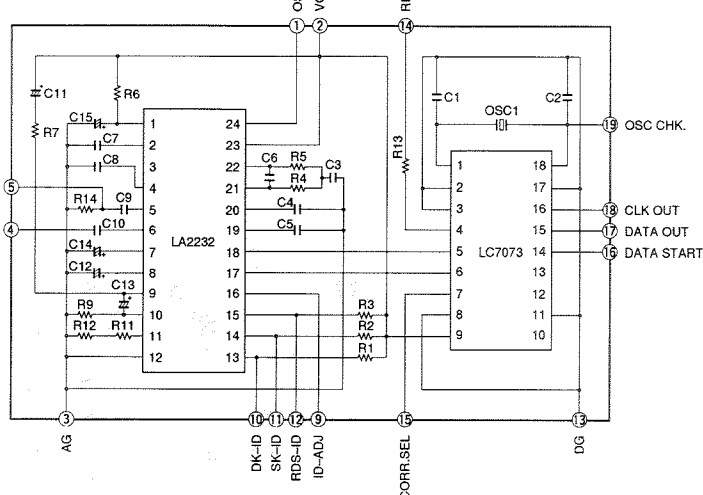
IC3 : LA3401
MPX



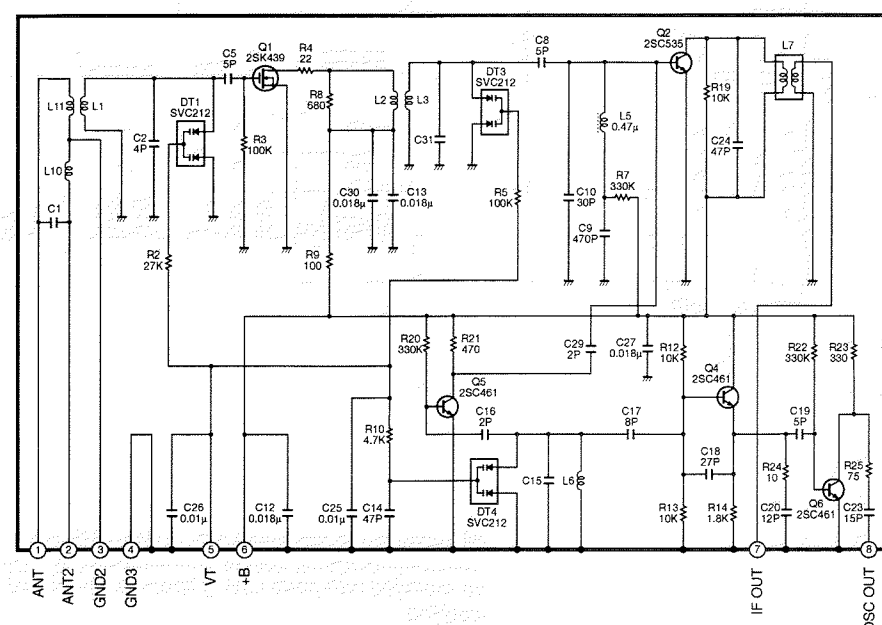
IC2 : LC72131
PLL Controller



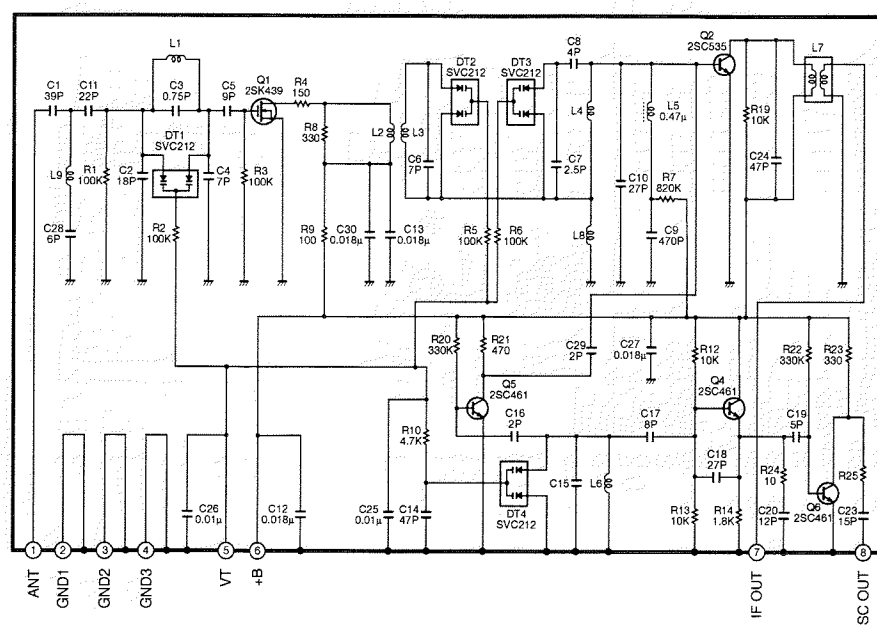
IC4 : STK311-020B
RDS Decoder & Controller



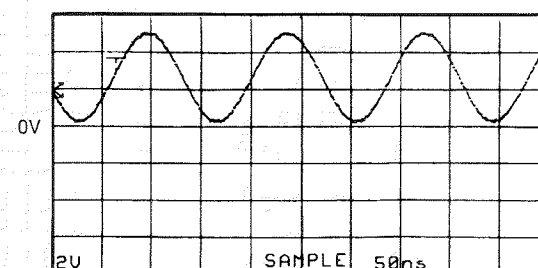
● PK1 : ENV-17298G1 (VR242200) U, C, R models



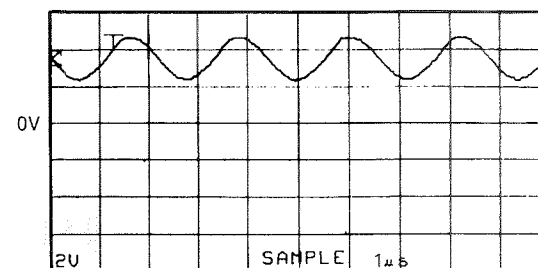
● PK1 : ENV-17297G1 (VQ987600) A, L, B, G models



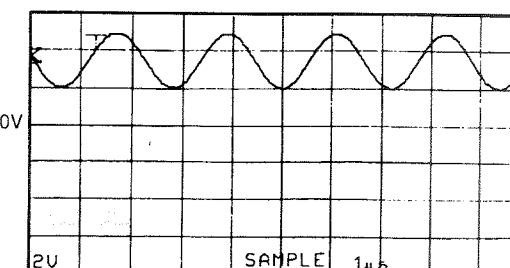
Point ① (Pin22 of IC2) FM reception
V : 2V/div H : 50nsec/div
DC range 1 : 1 probe



Point ② (Pin21 of IC3)
V : 2V/div H : 1μsec/div
DC range 1 : 1 probe

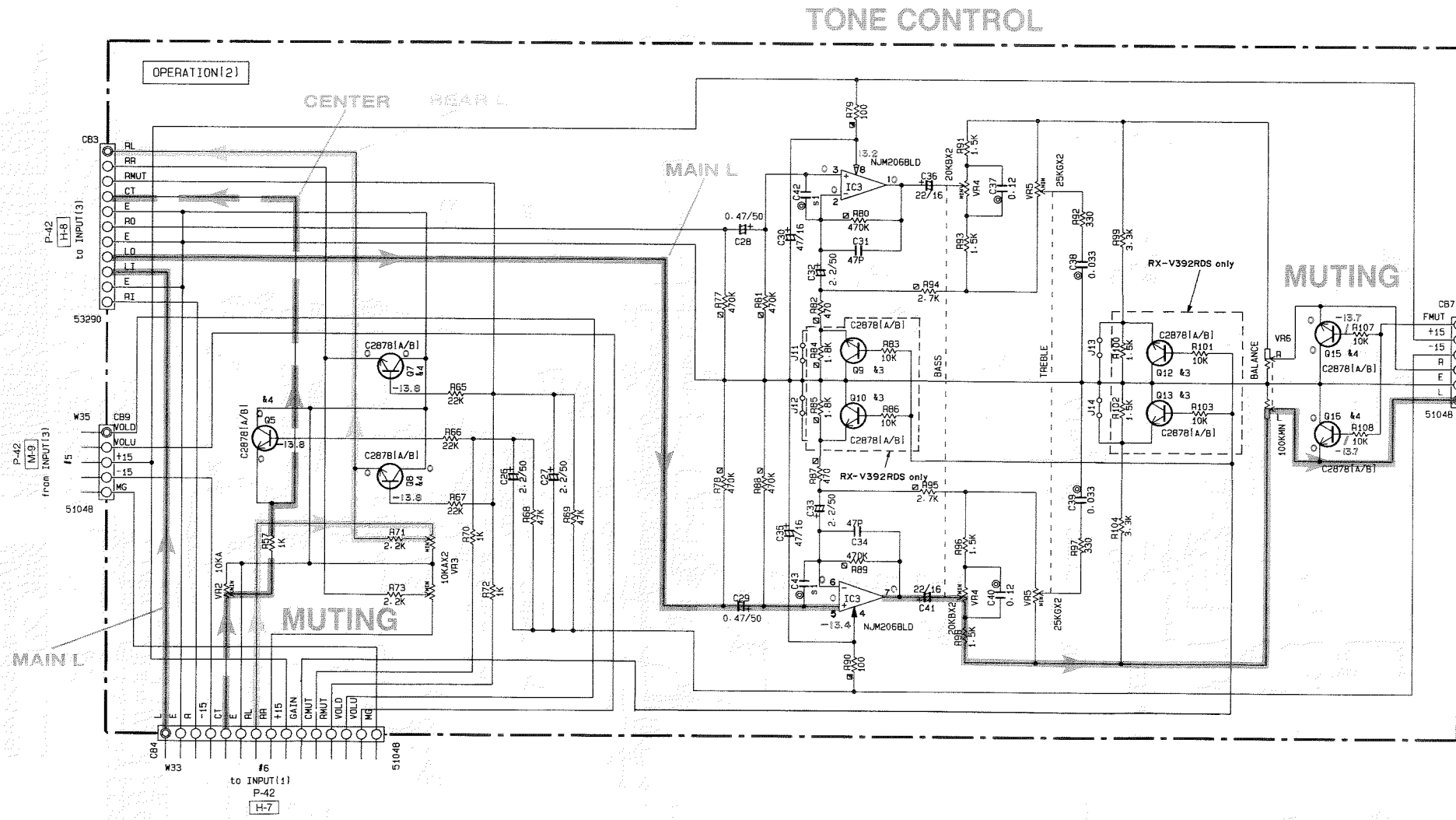
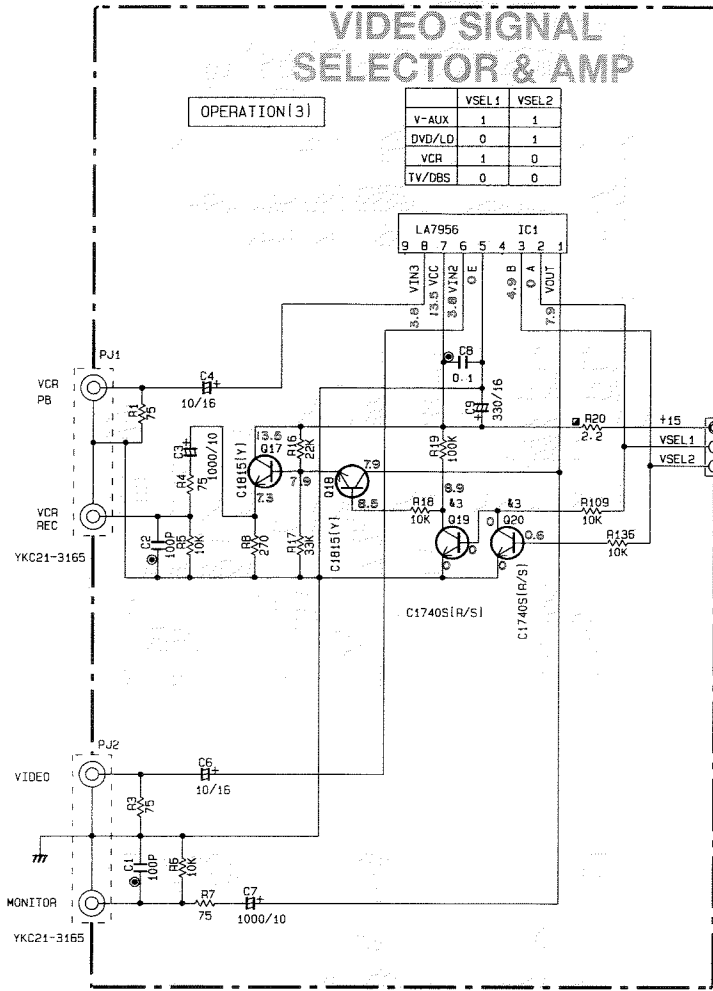


Point ③ (Pin1 of IC4)
V : 5V/div H : 1μsec/div
DC range 1 : 1 probe



* All voltages are measured with a 10MΩ/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 (OPERATION)



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

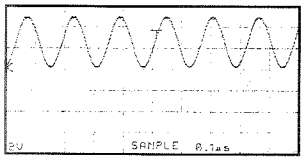
CAPACITOR

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

Interchangeable Parts at Manufacture-Stage

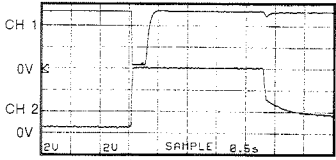
Mark	Reference Parts Number	Parts Name
81	03-6-12-14	HSS104 1SS133 1SS176
82	02-14	2SA933S[G/R] 2SA1115[E/F] 2SA1309A[G/R/S]
83	01-3-15-20	2SC1740S[R/S] 2SC6903A[E/F] 2SC3314A[G/R/S]
84	05-7-8-15-16	2SC2678A[G] 2D1819F[5/7]

Point ⑤ (Pin31 of IC4)
V : 2V/div H : 0.1 μsec/div
DC range 1 : 1 probe

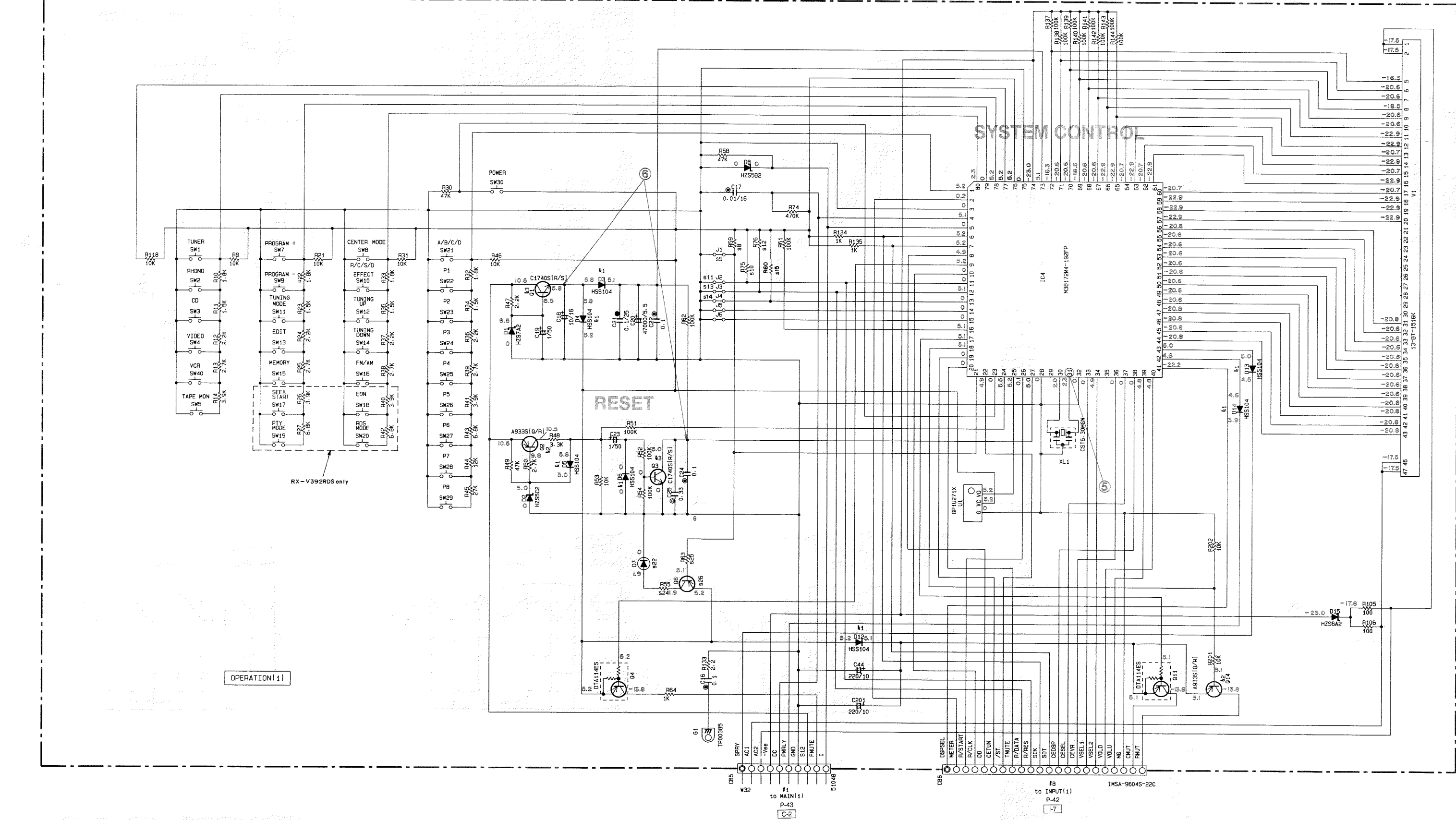


Point ⑥
CH1 : Pin27 of IC4 V : 2V/div (CH1)
CH2 : Anode of D3 V : 2V/div (CH2)

H : 0.5 sec/div DC range 1 : 1 probe
(This waveform is not available by pushing the power switch ON and OFF.)



With the POWER ON, disconnect the A/C power cord and the above waveforms will start. Disconnect the power cord from the AC outlet.



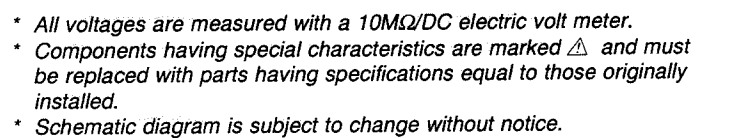
CIRCUIT CHANGES BY MARKET.

		U-C	R	A	6(L)	RDS
s1	C42-43				100P	100P
s2						
s3						
s4						
s5						
s6	R59		100K	100K	100K	100K
s7	J1					
s8						
s9	J1					
s10	R75	100K	100K			
s11	J2					
s12	R76		100K	100K	100K	100K
s13	J3					
s14	J4					
s15	R60					100K
s16						
s17						
s18						
s19						
s20						
s21						
s22	D7	SLR-325VCT31 SLR-305VCA47	SLR-325VCT31 SLR-305VCA47	SLR-325VCT31 SLR-305VCA47	SLR-325VCT31 SLR-305VCA47	SLR-325VCT31 SLR-305VCA47
s23						
s24	R55	470	470	470	470	470
s25	R63	10K	10K	10K	10K	10K
s26	G6	A9336[G/R] A1115[E/F] A1309A[G/R/S]	A9336[G/R] A1115[E/F] A1309A[G/R/S]	A9336[G/R] A1115[E/F] A1309A[G/R/S]	A9336[G/R] A1115[E/F] A1309A[G/R/S]	A9336[G/R] A1115[E/F] A1309A[G/R/S]

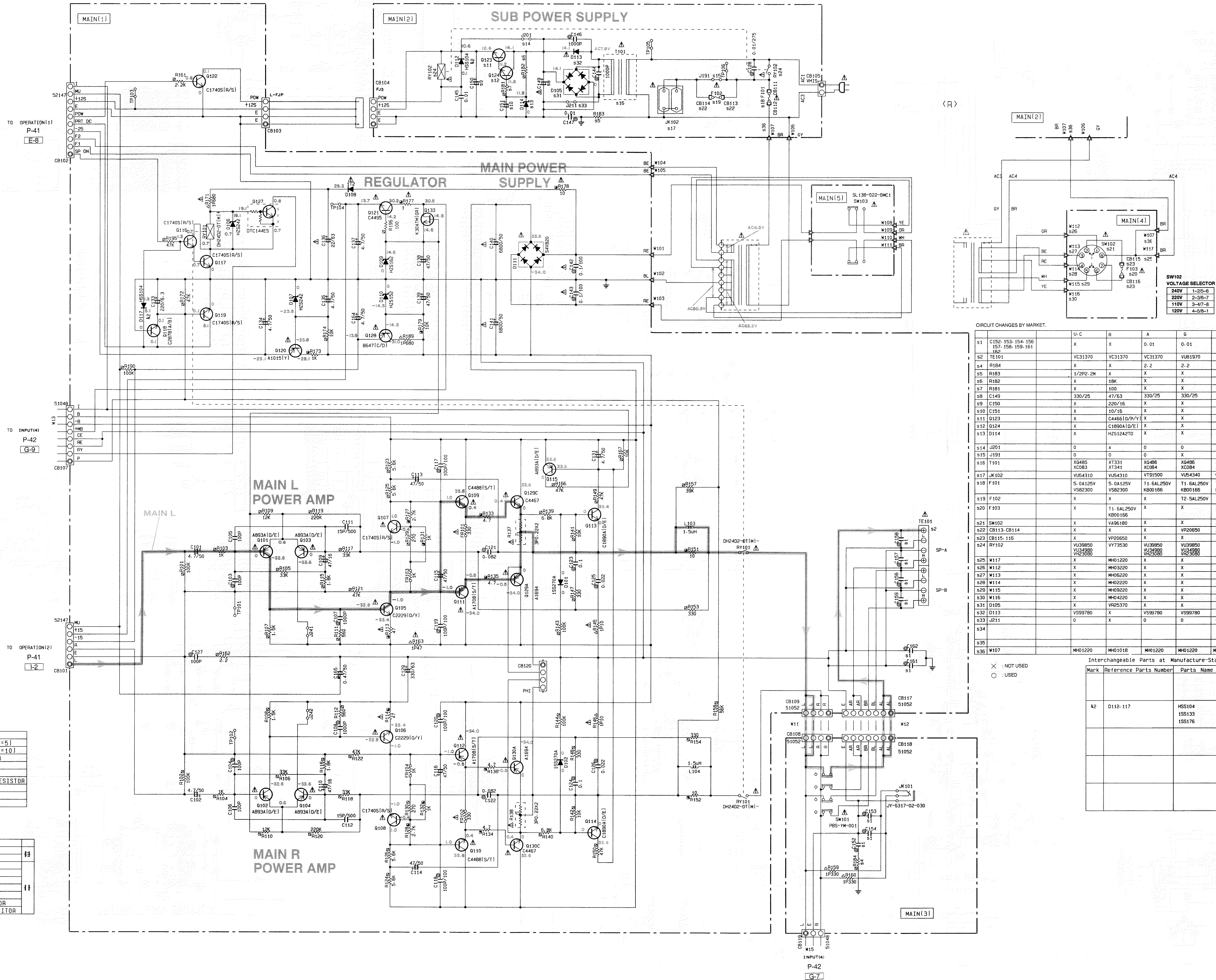
○ : USED

* All voltages are measured with a 10MΩ/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.

1
2
3
4
5
6
7
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9
10



■ SCHEMATIC DIAGRAM (MAIN)



CIRCUIT CHANGES BY MARKET.

		U-C	R	A	G	B
s1	C152, 153, 154, 156, 157, 158, 159, 161, 162	X	X	0.01	0.01	0.01
s2	TE101	VC31370	VC31370	VC31370	VU81970	VU81970
s4	R184	X	X	2.2	2.2	2.2
s5	R185	1/2PP, 2M	X	X	X	X
s6	R182	18K	X	X	X	X
s7	R181	X	100	X	X	X
s8	C148	330/25	47/63	330/25	330/25	330/25
s9	C150	X	220/16	X	X	X
s10	C151	X	10/16	X	X	X
s11	Q123	X	C4466[O/P/Y]	X	X	X
s12	Q124	X	C1890A[D/E]	X	X	X
s13	D114	X	H2S12A210	X	X	X
s14	J201	0	X	0	0	0
s15	J191	0	0	0	X	0
s16	T101	XQ485	XT331	XQ486	XQ486	XQ486
s17	JK102	VJ54310	VJ54310	VT91500	VJ54340	VJ54330
s18	F101	5.0A125V	5.0A125V	T1.5A1250V	T1.5A1250V	T1.5A1250V
s19	F102	X	X	X	T2.5A1250V	X
s20	F103	X	T1.5A1250V	X	X	X
s21	SW102	X	VA96180	X	X	X
s22	CB113, CB114	X	X	X	VP20650	X
s23	CB115, 116	X	VP20650	X	X	X
s24	RY102	VJ39850	VY73530	VJ39850	VJ39850	VJ39850
s25	W117	X	MH01220	X	X	X
s26	W112	X	MH03220	X	X	X
s27	W113	X	MH06220	X	X	X
s28	W114	X	MH02220	X	X	X
s29	W115	X	MH09220	X	X	X
s30	W116	X	MH04220	X	X	X
s31	Q105	X	VR25370	X	X	X
s32	D113	VS99780	X	VS99780	VS99780	VS99780
s33	J211	0	X	0	0	0
s34						
s35						
s36	W107	MH01220	MH01018	MH01220	MH01220	MH01220

Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
k2	D112, 117	HSS104 1S8133 1S8176

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

* All voltages are measured with a 10MQ/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.

PARTS LIST

■ ELECTRICAL PARTS

■ WARNING

Components having special characteristics are marked $\triangle$ and must be replaced with parts having specifications equal to those originally installed.

- Carbon resistors (1/6W or 1/4W) are not included in the ELECTRICAL PARTS List. For the part Nos. of the carbon resistors refer to the last page.

- Chip resistors are listed on page 54.

ABBREVIATIONS IN THIS LIST ARE AS FOLLOWS :

C.A.EL.CHP	: CHIP ALUMI. ELECTROLYTIC CAP	L.EMIT	: LIGHT EMITTING MODULE
C.CE	: CERAMIC CAP	LED.DSPLY	: LED DISPLAY
C.CE.ARRAY	: CERAMIC CAP ARRAY	LED.INFRD	: LED, INFRARED
C.CE.CHP	: CHIP CERAMIC CAP	MODUL.RF	: MODULATOR, RF
C.CE.ML	: MULTILAYER CERAMIC CAP	PHOT.CPL	: PHOTO COUPLER
C.CE.M.CHP	: CHIP MULTILAYER CERAMIC CAP	PHOT.INTR	: PHOTO INTERRUPTER
C.CE.SAFTY	: RECOGNIZED CERAMIC CAP	PHOT.RFLCT	: PHOTO REFLECTOR
C.CE.TUBLR	: CERAMIC TUBULAR CAP	PIN.TEST	: PIN, TEST POINT
C.CE.SMI	: SEMI CONDUCTIVE CERAMIC CAP	PLST.RIVET	: PLASTIC RIVET
C.EL	: ELECTROLYTIC CAP	R.ARRAY	: RESISTOR ARRAY
C.MICA	: MICA CAP	R.CAR	: CARBON RESISTOR
C.ML.FLM	: MULTILAYER FILM CAP	R.CAR.CHP	: CHIP RESISTOR
C.MP	: METALLIZED PAPER CAP	R.CAR.FP	: FLAME PROOF CARBON RESISTOR
C.MYLAR	: MYLAR FILM CAP	R.FUS	: FUSABLE RESISTOR
C.MYLAR.ML	: MULTILAYER MYLAR FILM CAP	R.MTL.CHP	: CHIP METAL FILM RESISTOR
C.PAPER	: PAPER CAPACITOR	R.MTL.FLM	: METAL FILM RESISTOR
C.PLS	: POLYSTYRENE FILM CAP	R.MTL.OXD	: METAL OXIDE FILM RESISTOR
C.POL	: POLYESTER FILM CAP	R.MTL.PLAT	: METAL PLATE RESISTOR
C.POLY	: POLYETHYLENE FILM CAP	RSNR.CE	: CERAMIC RESONATOR
C.PP	: POLYPROPYLENE FILM CAP	RSNR.CRYS	: CRYSTAL RESONATOR
C.TNTL	: TANTALUM CAP	R.TW.CEM	: TWIN CEMENT FIXED RESISTOR
C.TNTL.CHP	: CHIP TANTALUM CAP	R.WW	: WIRE WOUND RESISTOR
C.TRIM	: TRIMMER CAP	SCR.BND.HD	: BIND HEAD B-TITE SCREW
CN	: CONNECTOR	SCR.BW.HD	: BW HEAD TAPPING SCREW
CN.BS.PIN	: CONNECTOR, BASE PIN	SCR.CUP	: CUP TITE SCREW
CN.CANNON	: CONNECTOR, CANNON	SCR.TERM	: SCREW TERMINAL
CN.DIN	: CONNECTOR, DIN	SCR.TR	: SCREW, TRANSISTOR
CN.FLAT	: CONNECTOR, FLAT CABLE	SUPRT.PCB	: SUPPORT, P.C.B.
CN.POST	: CONNECTOR, BASE POST	SURG.PRTCT	: SURGE PROTECTOR
COIL.MX.AM	: COIL, AM MIX	SW.TACT	: TACT SWITCH
COIL.AT.FM	: COIL, FM ANTENNA	SW.LEAF	: LEAF SWITCH
COIL.DT.FM	: COIL, FM DETECT	SW.LEVER	: LEVER SWITCH
COIL.MX.FM	: COIL, FM MIX	SW.MICRO	: MICRO SWITCH
COIL.OUTPT	: OUTPUT COIL	SW.PUSH	: PUSH SWITCH
DIOD.ARRAY	: DIODE ARRAY	SW.RT.ENC	: ROTARY ENCODER
DIODE.BRG	: DIODE BRIDGE	SW.RT.MTR	: ROTARY SWITCH WITH MOTOR
DIODE.CHP	: CHIP DIODE	SW.RT	: ROTARY SWITCH
DIODE.VAR	: VARACTOR DIODE	SW.SLIDE	: SLIDE SWITCH
DIOD.Z.CHP	: CHIP ZENER DIODE	TERM.SP	: SPEAKER TERMINAL
DIODE.ZENR	: ZENER DIODE	TERM.WRAP	: WRAPPING TERMINAL
DSCR.CE	: CERAMIC DISCRIMINATOR	THRMST.CHP	: CHIP THERMISTOR
FER.BEAD	: FERRITE BEADS	TR.CHP	: CHIP TRANSISTOR
FER.CORE	: FERRITE CORE	TR.DGT	: DIGITAL TRANSISTOR
FET.CHP	: CHIP FET	TR.DGT.CHP	: CHIP DIGITAL TRANSISTOR
FL.DSPLY	: FLUORESCENT DISPLAY	TRANS	: TRANSFORMER
FLTR.CE	: CERAMIC FILTER	TRANS.PULS	: PULSE TRANSFORMER
FLTR.COMB	: COMB FILTER MODULE	TRANS.PWR	: POWER TRANSFORMER ASS'y
FLTR.LC.RF	: LC FILTER ,EMI	TUNER.AM	: TUNER PACK, AM
GND.MTL	: GROUND PLATE	TUNER.FM	: TUNER PACK, FM
GND.TERM	: GROUND TERMINAL	TUNER.PK	: FRONT-END TUNER PACK
HOLDER.FUS	: FUSE HOLDER	VR	: ROTARY POTENTIOMETER
IC.PRTCT	: IC PROTECTOR	VR.MTR	: POTENTIOMETER WITH MOTOR
JUMPER.CN	: JUMPER CONNECTOR	VR.SW	: POTENTIOMETER WITH ROTARY SW
JUMPER.TST	: JUMPER, TEST POINT	VR.SLIDE	: SLIDE POTENTIOMETER
L.DTCT	: LIGHT DETECTING MODULE	VR.TRIM	: TRIMMER POTENTIOMETER

Note) Model name abbreviations

- *1 : RX-V395
- *2 : RX-V395RDS
- *3 : R-V502

RX-V392/R-V502 P.C.B. TUNER

Schm Ref.	PART NO.	Description
	VV610200	P. C. B.
	VV610300	P. C. B.
	VV610400	P. C. B.
CB4	VQ961800	CN. BS. PIN
C1	VG287800	C. EL
C2	UB044100	C. CE. M. CHP
C3	UB050800	C. CE. M. CHP
C4	VG291200	C. EL
C5	UB044100	C. CE. M. CHP
C6	VG288900	C. EL
C7	VJ839100	C. EL
C8	UB044100	C. CE. M. CHP
C9	UB044100	C. CE. M. CHP
C10	UB044100	C. CE. M. CHP
C11	UB013100	C. CE. M. CHP
C12	VJ836900	C. EL
C13	VJ836900	C. EL
C14	UB052100	C. CE. M. CHP
C15	UB013100	C. CE. M. CHP
C16	UB051470	C. CE. M. CHP
C17	VG291200	C. EL
C18	UB044470	C. CE. M. CHP
C19	VA761200	C. CE
C20	VG291200	C. EL
C21	UB044470	C. CE. M. CHP
C22	UM216330	C. EL
C23	UB044100	C. CE. M. CHP
C24	UM416470	C. EL
C25	UM216330	C. EL
C26	VJ836900	C. EL
C27	UB044100	C. CE. M. CHP
C28	VA761200	C. CE
C29	VJ839100	C. EL
C30	VJ839100	C. EL
C31	VG291200	C. EL
C32	VJ839000	C. EL
C33	VJ839100	C. EL
C34	UA654470	C. MYLAR
C35	UM216330	C. EL
C36	UA652470	C. MYLAR
C36	UA653100	C. MYLAR
C37	UA652470	C. MYLAR
C37	UA653100	C. MYLAR
C38	UB012470	C. CE. M. CHP
C39	VJ836900	C. EL
C40	UM216330	C. EL
C41	UA653390	C. MYLAR
C42	UM407220	C. EL
C43	UA653390	C. MYLAR
C44	UM216330	C. EL
C45	VG291200	C. EL
C46	VG291200	C. EL
C49	UA652120	C. MYLAR

* New Parts

Schm Ref.	PART NO.	Description
C50	UB044470	C. CE. M. CHP
D1	VT332900	DIODE
D2	VT332900	DIODE
D3	VU993100	DIODE. ZENR
Fi1	GG000560	FLTR. CE
Fi2	GG000560	FLTR. CE
Fi3	VC219000	FLTR. CE
IC1	XB760A00	IC
IC2	XQ944A00	IC
IC3	iG158100	IC
L1	VU889500	COIL
L2	VU889500	COIL
L3	VU889500	COIL
PK1	VQ987600	TUNER. PK
PK1	VR242200	TUNER. PK
PK2	VU333700	COIL. RF. AM
Q1	iC053540	TR
Q2	iC053540	TR
Q3	VD678500	TR. DGT
Q4	VC218900	TR
Q5	VG722000	TR. DGT
Q6	iC1815C0	TR
Q7	VD678500	TR. DGT
SW1	VS602600	SW. SLIDE
T1	VC218600	COIL. DT. FM
T2	VR895700	COIL. IF
T3	VT486800	COIL
T4	VQ138200	FLTR. LC
T5	VQ138200	FLTR. LC
TE1	VU477800	TERM. ANT
TP1	VT969000	PIN. TEST
TP2	VT969000	PIN. TEST
VR1	VJ694000	VR. TRIM
VR2	VJ694000	VR. TRIM
XL1	QU003800	RSNR. CRYST
XL2	GG000750	RSNR. CE
	BB071360	SCR. TERM
	VR282500	PLATE

* New Parts

RX-V392RDS P.C.B. TUNER

Schm Ref.	PART NO.	Description
	VV173600	P.C.B.
		TUNER:RX-V392RDS
CB4	VQ961800	CN.BS.PIN
C1	VG291200	C.EL
C2	VF467300	C.CE.TUBLR
C3	VG275800	C.CE.TUBLR
C4	VG291200	C.EL
C5	VF467300	C.CE.TUBLR
C6	VG291200	C.EL
C7	VJ839100	C.EL
C8	VF467300	C.CE.TUBLR
C9	VF467300	C.CE.TUBLR
C10	VF467300	C.CE.TUBLR
C11	VF467000	C.CE.TUBLR
C12	VJ836900	C.EL
C13	VJ836900	C.EL
C14	VF466800	C.CE.TUBLR
C15	VF467000	C.CE.TUBLR
C16	VF466700	C.CE.TUBLR
C17	VG291200	C.EL
C18	VJ599000	C.CE.TUBLR
C19	VA761200	C.CE
C20	VG291200	C.EL
C21	VJ599000	C.CE.TUBLR
C22	UM216330	C.EL
C23	VF467300	C.CE.TUBLR
C24	UM416470	C.EL
C25	UM216330	C.EL
C26	VJ836900	C.EL
C27	VF467300	C.CE.TUBLR
C28	VA761200	C.CE
C29	VJ839100	C.EL
C30	VJ839100	C.EL
C31	VG291200	C.EL
C32	VJ839000	C.EL
C33	VJ839100	C.EL
C34	UA654470	C.MYLAR
C35	UM216330	C.EL
C36	UA652470	C.MYLAR
C37	UA652470	C.MYLAR
C38	VF466900	C.CE.TUBLR
C39	VJ836900	C.EL
C40	UM216330	C.EL
C41	UA653390	C.MYLAR
C42	UM407220	C.EL
C43	UA653390	C.MYLAR
C44	UM216330	C.EL
C45	VG291200	C.EL
C46	VG291200	C.EL
C47	VG291200	C.EL
C48	VF466800	C.CE.TUBLR
C49	UA652120	C.MYLAR
C50	VJ599000	C.CE.TUBLR
D1	iF004600	DIODE

* New Parts

Schm Ref.	PART NO.	Description
D2	iF004600	DIODE
D3	VG437800	DIODE.ZENR
Fi1	GG000560	FLTR.CE
Fi2	GG000560	FLTR.CE
Fi3	VC219000	FLTR.CE
IC1	XB760A00	IC
IC2	XQ944A00	IC
IC3	iG158100	IC
IC4	XQ359A00	IC
L1	Vi546100	COIL
L2	Vi546100	COIL
L3	Vi546100	COIL
L4	Vi546100	COIL
PK1	VQ987600	TUNER.PK
PK2	VU333700	COIL.RF.AM
Q1	VB433300	TR
Q2	VB433300	TR
Q3	VD678500	TR.DGT
Q4	VC218900	TR
Q5	VG722000	TR.DGT
Q6	iC1815C0	TR
Q7	VD678500	TR.DGT
T1	VC218600	COIL.DT.FM
T2	GE100470	COIL.IF.AM
T3	VT486800	COIL
T4	VQ138200	FLTR.LC
T5	VQ138200	FLTR.LC
TE1	VU477800	TERM.ANT
TP1	VT969000	PIN.TEST
TP2	VT969000	PIN.TEST
VR1	VJ694000	VR.TRIM
VR2	VJ694000	VR.TRIM
XL1	VC219100	RSNR.CRYS
XL2	GG000750	RSNR.CE
XL3	VS860100	RSNR.CE
	BB071360	SCR.TERM
	VR282500	PLATE
		ANT.

* New Parts

P.C.B. OPERATION

Schm Ref.	PART NO.	Description
* VV929700	P. C. B.	OPERATION(UC)
* VV929800	P. C. B.	OPERATION(R)
* VV929900	P. C. B.	OPERATION(A)
* VV930000	P. C. B.	OPERATION(G) *1
VV944500	P. C. B.	OPERATION(BG) *2
CB1	Vi878100	CN.BS. PIN 3P
CB3	VQ963200	CN.BS. PIN 11P
CB4	Vi879300	CN.BS. PIN 15P
CB5	Vi878800	CN.BS. PIN 10P
* CB6	VU272200	CN 22P
CB7	Vi878400	CN.BS. PIN 6P
CB9	Vi878300	CN.BS. PIN 5P
C1	VF466800	C. CE. TUBLR 100pF 50V
C2	VF466800	C. CE. TUBLR 100pF 50V
C3	VF637900	C. EL 1000uF 10V
C4	VJ836900	C. EL 10uF 16V
C6	VJ836900	C. EL 10uF 16V
C7	VF637900	C. EL 1000uF 10V
C8	VH053100	C. CE. TUBLR 0.1uF 50V
C9	UJ638330	C. EL 330uF 16V
C16	VH053100	C. CE. TUBLR 0.1uF 50V
C17	VF467300	C. CE. TUBLR 0.01uF 16V
C18	VJ836900	C. EL 10uF 16V
C19	VJ839100	C. EL 1uF 50V
C20	VU545000	C. EL 47000uF 5.5V
C21	VD930900	C. CE. SMI 0.1uF 25V
C22	VH053100	C. CE. TUBLR 0.1uF 50V
C23	VJ839100	C. EL 1uF 50V
C24	VH053100	C. CE. TUBLR 0.1uF 50V
C25	UA655330	C. MYLAR 0.33uF 50V
C26	VJ839200	C. EL 2.2uF 50V
C27	VJ839200	C. EL 2.2uF 50V
C28	VJ839000	C. EL 0.47uF 50V
C29	VJ839000	C. EL 0.47uF 50V
C30	VJ837200	C. EL 47uF 16V
C31	FG211470	C. CE 47pF 50V
C32	VJ839200	C. EL 2.2uF 50V
C33	VJ839200	C. EL 2.2uF 50V
C34	FG211470	C. CE 47pF 50V
C35	VJ837200	C. EL 47uF 16V
C36	UM407220	C. EL 22uF 16V
C37	UA655120	C. MYLAR 0.12uF 50V
C38	UA654330	C. MYLAR 0.033uF 50V
C39	UA654330	C. MYLAR 0.033uF 50V
C40	UA655120	C. MYLAR 0.12uF 50V
C41	UM407220	C. EL 22uF 16V
C42	UA652100	C. MYLAR 100pF 50V(BG)
C43	UA652100	C. MYLAR 100pF 50V(BG)
C44	VE117600	C. EL 220uF 10V
C201	VE117600	C. EL 220uF 10V
D1	VM974600	DIODE. ZENR HZS7A2TD 7.0V
D2	VM974200	DIODE. ZENR HZS5C2TD 5.0V
D3	VD631600	DIODE 1SS133, 176, HSS104

* New Parts

Schm Ref.	PART NO.	Description
D4	VD631600	DIODE 1SS133, 176, HSS104
D5	VD631600	DIODE 1SS133, 176, HSS104
D6	VD631600	DIODE 1SS133, 176, HSS104
D7	VS132300	LED(re) SLR-325VCT31 (RABG)
D8	VM974100	DIODE. ZENR HZS5B2TD 5.0V
D12	VD631600	DIODE 1SS133, 176, HSS104
D13	VD631600	DIODE 1SS133, 176, HSS104
D14	VD631600	DIODE 1SS133, 176, HSS104
D15	VM974300	DIODE. ZENR HZS6A2TD 6.0V
G1	VR463400	TERM. GND D3.5 TP00385
IC1	XH436A00	IC LA7956
IC3	XM356A00	IC NJM2068LD
IC4	XS983A00	IC M38172M4-192FP*1, 2
IC4	XT009A00	IC M38177MC-068FP*3
PJ1	VR110100	JACK. PIN 2P
PJ2	VR110100	JACK. PIN 2P
Q1	iC174020	TR 2SC1740S R, S
Q2	iA093320	TR 2SA933S Q, R
Q3	iC174020	TR 2SC1740S R, S
Q4	VD678500	TR. DGT DTA114ES
Q5	iC287820	TR 2SC2878 A, B
Q6	iA093320	TR 2SA933S Q, R(RABG)
Q7	iC287820	TR 2SC2878 A, B
Q8	iC287820	TR 2SC2878 A, B
Q9	iC287820	TR 2SC2878 A, B
Q10	iC287820	TR 2SC2878 A, B
Q11	VD678500	TR. DGT DTA114ES
Q12	iC287820	TR 2SC2878 A, B
Q13	iC287820	TR 2SC2878 A, B
Q14	iA093320	TR 2SA933S Q, R
Q15	iC287820	TR 2SC2878 A, B
Q16	iC287820	TR 2SC2878 A, B
Q17	iC1815C0	TR 2SC1815 Y
Q18	iC1815C0	TR 2SC1815 Y
Q19	iC174020	TR 2SC1740S R, S
Q20	iC174020	TR 2SC1740S R, S
R20	HV454470	R. CAR. FP 47Ω 1/4W
R79	HV455100	R. CAR. FP 100Ω 1/4W
R90	HV455100	R. CAR. FP 100Ω 1/4W
SW1	VG392900	SW. TACT SKHVAA
SW2	VG392900	SW. TACT SKHVAA
SW3	VG392900	SW. TACT SKHVAA
SW4	VG392900	SW. TACT SKHVAA
SW5	VG392900	SW. TACT SKHVAA
SW7	VG392900	SW. TACT SKHVAA
SW8	VG392900	SW. TACT SKHVAA
SW9	VG392900	SW. TACT SKHVAA
SW10	VG392900	SW. TACT SKHVAA
SW11	VG392900	SW. TACT SKHVAA
SW12	VG392900	SW. TACT SKHVAA
SW13	VG392900	SW. TACT SKHVAA
SW14	VG392900	SW. TACT SKHVAA
SW15	VG392900	SW. TACT SKHVAA

* New Parts

P.C.B. OPERATION & MAIN

Schm Ref.	PART NO.	Description
SW16	VG392900	SW. TACT SKHVAA
SW17	VG392900	SW. TACT SKHVAA
SW18	VG392900	SW. TACT SKHVAA
SW19	VG392900	SW. TACT SKHVAA
SW20	VG392900	SW. TACT SKHVAA
SW21	VG392900	SW. TACT SKHVAA
SW22	VG392900	SW. TACT SKHVAA
SW23	VG392900	SW. TACT SKHVAA
SW24	VG392900	SW. TACT SKHVAA
SW25	VG392900	SW. TACT SKHVAA
SW26	VG392900	SW. TACT SKHVAA
SW27	VG392900	SW. TACT SKHVAA
SW28	VG392900	SW. TACT SKHVAA
SW29	VG392900	SW. TACT SKHVAA
SW30	VG392900	SW. TACT SKHVAA
SW40	VG392900	SW. TACT SKHVAA
U1	VU591000	L. DTCT GPIU271X
* V1	VV298800	FL. DSPLY 13-BT-151GK
VR2	VR043900	VR A10K Ω
VR3	VR058000	VR A10K Ω
VR4	VP741800	VR B20K Ω
VR5	VP741900	VR G25K Ω
VR6	VP742000	VR MN100K Ω
XL1	VR891500	RSNR. CE 6.30MHz
	VJ828000	PIN IMSA-6024-03E
	VQ859800	SHEET. FL
	VV499900	SPACER FL-T7.5
* * * * *	VV930100	P. C. B. MAIN(U) *1
* * * * *	VV930100	P. C. B. MAIN(C) *1, *3
* * * * *	VV930200	P. C. B. MAIN(R) *1, *3
* * * * *	VV930300	P. C. B. MAIN(A) *1, *3
* * * * *	VV930400	P. C. B. MAIN(G) *1
* * * * *	VV944200	P. C. B. MAIN(B) *2
* * * * *	VV944300	P. C. B. MAIN(G) *2
* * * * *	VV950700	P. C. B. MAIN(U) *3
CB101	VF728300	CN 6P *1, *2
CB102	VF728200	CN. BS. PIN 10P *1, *2
CB103	VS839400	CN. BS. PIN 4P *1, *2
CB104	VS839500	CN 4P *1, *2
CB105	VG879900	CN. BS. PIN 2P *1, *2
CB107	Vi878600	CN. BS. PIN 8P *1, *2
* CB108	VR428900	CN. BS. PIN 4P *1, *2
* CB109	VR428900	CN. BS. PIN 4P *1, *2
CB111	VP206500	HOLDER. FUS EYF-52BC
CB112	VP206500	HOLDER. FUS EYF-52BC
CB113	VP206500	HOLDER. FUS EYF-52BC (G)
CB114	VP206500	HOLDER. FUS EYF-52BC (G)
CB115	VP206500	HOLDER. FUS EYF-52BC (R)
CB116	VP206500	HOLDER. FUS EYF-52BC (R)
CB117	VQ584900	CN. BS. PIN 7P

* New Parts

Schm Ref.	PART NO.	Description
CB118	VQ584900	CN. BS. PIN 7P
CB119	Vi878100	CN. BS. PIN 3P
CB120	VD004700	CN. BS. PIN 4P
C101	UM416470	C. EL 4.7uF 50V
C102	UM416470	C. EL 4.7uF 50V
C103	UA652100	C. MYLAR 100pF 50V
C104	UA652100	C. MYLAR 100pF 50V
C105	FG212100	C. CE 100pF 50V
C106	FG212100	C. CE 100pF 50V
C107	UA653100	C. MYLAR 1000pF 50V
C108	UA653100	C. MYLAR 1000pF 50V
C109	VJ837200	C. EL 47uF 16V
C110	VJ837200	C. EL 47uF 16V
C111	VR516400	C. CE 15p 500V
C112	VR516400	C. CE 15p 500V
C113	UJ667470	C. EL 47uF 50V
C114	UJ667470	C. EL 47uF 50V
C115	VG291200	C. EL 47uF 50V
C116	VG291200	C. EL 47uF 50V
C117	VR325000	C. MYLAR 100pF 100V
C118	VR325000	C. MYLAR 100pF 100V
C119	VR325000	C. MYLAR 100pF 100V
C120	VR325000	C. MYLAR 100pF 100V
C121	UA654820	C. MYLAR 0.082uF 50V
C122	UA654820	C. MYLAR 0.082uF 50V
C123	UA655100	C. MYLAR 0.1uF 50V
C124	UA655100	C. MYLAR 0.1uF 50V
C125	UA654220	C. MYLAR 0.022uF 50V
C126	UA654220	C. MYLAR 0.022uF 50V
C127	UA652100	C. MYLAR 100pF 50V
C128	VS741700	C. CE. SAFTY 0.01uF 275V
C129	VK182500	C. EL 330uF 63V
C131	UM416470	C. EL 4.7uF 50V
C133	VC815000	C. EL 220uF 6.3V
C134	UM416470	C. EL 4.7uF 50V
C135	UM416470	C. EL 4.7uF 50V
△ C136	Vi846000	C. EL 22uF 63V
C137	UM416470	C. EL 4.7uF 50V
C138	UJ667470	C. EL 47uF 50V
C139	UJ667470	C. EL 47uF 50V
△ * C140	VV951700	C. EL 6800uF 50V
△ * C140	VV951800	C. EL 6800uF 56V
△ * C141	VV951700	C. EL 6800uF 50V
△ * C141	VV951800	C. EL 6800uF 56V
△ C142	VR325400	C. MYLAR 0.1uF 100V
△ C143	VR325400	C. MYLAR 0.1uF 100V
C144	UA653100	C. MYLAR 1000pF 50V
C145	FG214100	C. CE 0.01uF 50V
C145	UG444100	C. CE 0.01uF 50V
C146	UA653100	C. MYLAR 1000pF 50V
C147	UA654100	C. MYLAR 0.01uF 50V
△ C149	Ui377470	C. EL 47uF 63V(R)
△ C149	VK457600	C. EL 330uF 25V(UCABG)

* New Parts

P.C.B. MAIN

Schm Ref.	PART NO.	Description
C150	UJ648220	C. EL 220uF 25V(R)
C151	VJ836900	C. EL 10uF 16V(R)
C152	UA654100	C. MYLAR 0.01uF 50V(ABG)
C153	UA654100	C. MYLAR 0.01uF 50V(ABG)
C154	UA654100	C. MYLAR 0.01uF 50V(ABG)
C156	UA654100	C. MYLAR 0.01uF 50V(AG)*1
C156	UA654220	C. MYLAR 0.022uF 50V(BG)*2
C157	UA654100	C. MYLAR 0.01uF 50V(AG)*1
C157	UA654220	C. MYLAR 0.022uF 50V(BG)*2
C158	UA654100	C. MYLAR 0.01uF 50V(AG)*1
C158	UA654220	C. MYLAR 0.022uF 50V(BG)*2
C159	UA654100	C. MYLAR 0.01uF 50V(AG)*1
C159	UA654220	C. MYLAR 0.022uF 50V(BG)*2
C161	UA654100	C. MYLAR 0.01uF 50V(ABG)
C162	UA654100	C. MYLAR 0.01uF 50V(ABG)
C164	UM416470	C. EL 4.7uF 50V
C165	UK665470	C. EL 0.47uF 50V
D101	VN008700	DIODE 1SS270A
D102	VN008700	DIODE 1SS270A
△ D105	VR253700	DIODE. BRG S1NB20 1A 200V(R)
D106	VM976300	DIODE. ZENR HZS242TD 24V
D107	VM976300	DIODE. ZENR HZS242TD 24V
△ D108	VS997800	DIODE 1T2
D109	VM975900	DIODE. ZENR HZS162TD 16V
D110	VM975800	DIODE. ZENR HZS152TD 15V
△ D111	iH001090	DIODE. BRG S4VB20 2.6A 200V
D112	iF004600	DIODE 1SS133
D112	VD631600	DIODE 1SS133, 176, HSS104
△ D113	VS997800	DIODE 1T2(UCABG)
D114	VM975500	DIODE. ZENR HZS12A2TD 12V(R)
D117	VD631600	DIODE 1SS133, 176, HSS104
△ F101	KB001660	FUSE T1.60A 250V(ABG)
△ F101	VS823000	FUSE T5.0A 125V(UCR)
△ F102	KB000690	FUSE T2.5A 250V(G)
△ F103	KB001660	FUSE T1.60A 250V(R)
△ FR101	VK188400	R. FUS 330Ω 1/4W
△ FR102	VK188400	R. FUS 330Ω 1/4W
FR103	VK189000	R. FUS 1KΩ 1/4W
FR104	VK189000	R. FUS 1KΩ 1/4W
△ JK101	VY687200	JACK. PHONE JY-6317-02-030*1, 2
△ JK102	VT915000	OUTLET. AC 2P(A)
△ JK102	VU543100	OUTLET. AC 2P(UCR)
△ JK102	VU543300	OUTLET. AC 1P(B)
△ JK102	VU543400	OUTLET. AC 2P(G)
L103	VP575600	COIL 1.5uH
L104	VP575600	COIL 1.5uH
△ Q101	VP883000	TR 2SA893A D, E
△ Q102	VP883000	TR 2SA893A D, E
△ Q103	VP883000	TR 2SA893A D, E
△ Q104	VP883000	TR 2SA893A D, E
△ Q105	VR325600	TR 2SC2229 O, Y
△ Q106	VR325600	TR 2SC2229 O, Y
△ Q107	iC174020	TR 2SC1740S R, S

* New Parts

Schm Ref.	PART NO.	Description
△ Q108	iC174020	TR 2SC1740S R, S
△ Q109	VP872700	TR 2SC4488 S, T
△ Q110	VP872700	TR 2SC4488 S, T
△ Q111	VP872600	TR 2SA1708 S, T
△ Q112	VP872600	TR 2SA1708 S, T
Q113	VP883100	TR 2SC1890A D, E
Q114	VP883100	TR 2SC1890A D, E
Q115	VP883000	TR 2SA893A D, E
Q116	iC174020	TR 2SC1740S R, S
Q117	iC174020	TR 2SC1740S R, S
Q118	iC287820	TR 2SC2878 A, B
Q119	iC174020	TR 2SC1740S R, S
△ Q120	iA101521	TR 2SA1015 Y
△ Q121	VN996900	TR 2SC4495
Q122	iC174020	TR 2SC1740S R, S
Q123	VP768300	TR 2SC4466 O, P, Y(R)
Q124	VP883100	TR 2SC1890A D, E(R)
Q127	VG722000	TR. DGT DTC144ES
△ Q128	VR402300	TR 2SB647 C, D
△ Q129A	iX615750	TR 2SA1694 O, P, Y
△ Q129C	iX615760	TR 2SC4467 O, P, Y
△ Q130A	iX615750	TR 2SA1694 O, P, Y
△ Q130C	iX615760	TR 2SC4467 O, P, Y
Q133	iE000020	FET 2SK30ATM GR
△ R113	HV454470	R. CAR. FP 47Ω 1/4W
△ R114	HV454470	R. CAR. FP 47Ω 1/4W
R127	HV456270	R. CAR. FP 2.7KΩ 1/4W
R128	HV456270	R. CAR. FP 2.7KΩ 1/4W
R131	HV456100	R. CAR. FP 1KΩ 1/4W
R132	HV456100	R. CAR. FP 1KΩ 1/4W
R133	HV453470	R. CAR. FP 4.7Ω 1/4W
R134	HV453470	R. CAR. FP 4.7Ω 1/4W
R135	HV453470	R. CAR. FP 4.7Ω 1/4W
R136	HV453470	R. CAR. FP 4.7Ω 1/4W
△ R137	VU981700	R. MTL. PLAT 0.22Ω+0.22 3W
△ R138	VU981700	R. MTL. PLAT 0.22Ω+0.22 3W
△ R145	HL314100	R. MTL. OXD 10Ω 1W
△ R146	HL314100	R. MTL. OXD 10Ω 1W
R151	HV454100	R. CAR. FP 10Ω 1/4W
R152	HV454100	R. CAR. FP 10Ω 1/4W
R159	HL315330	R. MTL. OXD 330Ω 1W
R160	HL315330	R. MTL. OXD 330Ω 1W
△ R163	HL314470	R. MTL. OXD 47Ω 1W
△ R171	HL315680	R. MTL. OXD 680Ω 1W
R173	HV456100	R. CAR. FP 1KΩ 1/4W
△ R177	HV453100	R. CAR. FP 1Ω 1/4W
△ R178	HV454100	R. CAR. FP 10Ω 1/4W
R179	HV457100	R. CAR. FP 10KΩ 1/4W
R189	HL315680	R. MTL. OXD 680Ω 1W
R196	HV455100	R. CAR. FP 100Ω 1/4W
△ RY101	VK438300	RELAY DH24D2-OT/M2
△ RY102	VH230800	RELAY G5P-1-DC12V(BG)*2
△ *	RY102	RELAY LK1AF-12V(UCAG)*1

* New Parts

P.C.B. MAIN & INPUT

Schm Ref.	PART NO.	Description
△ RY102	VY735300	RELAY DC G5P-1(R)
△ SW101	VV523900	SW. PUSH PBS-YM-001
△ SW102	VA961800	VOLT. SELCT ESE-37247-F(R)
△ SW103	VV523800	SW. SLIDE SL13B-022-BMC1
△ T101	XC084A00	TRANS. PWR (BG) *2
△ T101	XQ485B00	TRANS. PWR (UC)
△ T101	XQ486B00	TRANS. PWR (AG) *1
△ T101	XT331A00	TRANS. PWR (R)
△ TE101	VC313700	TERM. SP 8P(UCRA)
△ TE101	VU819700	TERM. SP 8P(BG)
	VJ828000	PIN IMSA-6024-03E
	BB071360	SCR. TERM 8.3x13
	VR264300	PLATE. GND
	VP753100	HEAT. SINK IC-1625-MML
	Ei330166	SCR. BND. HD 3x16 FCRM3-BL
	VY834500	SHEET (RABG)
* VV929500	P. C. B.	INPUT(UC)
* VV929600	P. C. B.	INPUT(G) *1
VV944400	P. C. B.	INPUT(BG) *2
VY805400	P. C. B.	INPUT(R)
CB1	Vi878300	CN. BS. PIN 5P
CB2	Vi878900	CN. BS. PIN 11P
CB3	VF667600	CN. BS. PIN 15P
* CB5	VU272200	CN 22P
CB6	VQ963600	CN. BS. PIN 15P
CB7	Vi878500	CN. BS. PIN 7P
CB8	VK024700	CN. BS. PIN 3P
* CB301	VK026600	CN. BS. PIN 7P
* CB302	VK026600	CN. BS. PIN 7P
CB304	VQ961400	CN. BS. PIN 11P
CB305	VK024900	CN. BS. PIN 5P
* CB306	VK027000	CN. BS. PIN 11P
CB307	VK024700	CN. BS. PIN 3P
CB308	VK025200	CN. BS. PIN 8P
CB309	Vi878400	CN. BS. PIN 6P
CB310	Vi878400	CN. BS. PIN 6P
CB311	Vi878500	CN. BS. PIN 7P
CB313	VK024900	CN. BS. PIN 5P
C1	VJ839100	C. EL 1uF 50V
C2	UA652100	C. MYLAR 100pF 50V
C3	UA652100	C. MYLAR 100pF 50V
C4	VJ839100	C. EL 1uF 50V
C5	FG251330	C. CE 33pF 50V
C6	UM417100	C. EL 10uF 50V
C7	UA652100	C. MYLAR 100pF 50V
C8	VJ839100	C. EL 1uF 50V
C9	UM417100	C. EL 10uF 50V
C10	VJ839100	C. EL 1uF 50V
C11	UM417100	C. EL 10uF 50V
C12	UA652100	C. MYLAR 100pF 50V

* New Parts

Schm Ref.	PART NO.	Description
C13	UA652100	C. MYLAR 100pF 50V
C14	UA652100	C. MYLAR 100pF 50V
C15	UA655150	C. MYLAR 0.15uF 50V
C16	VF466800	C. CE. TUBLR 100pF 50V
C17	UM417100	C. EL 10uF 50V
C18	UM417100	C. EL 10uF 50V
C19	UM417100	C. EL 10uF 50V
C20	VF466800	C. CE. TUBLR 100pF 50V
C21	VF964800	C. EL 100uF 16V
C22	UM417100	C. EL 10uF 50V
C23	UM417100	C. EL 10uF 50V
C24	VF964800	C. EL 100uF 16V
C25	UA652680	C. MYLAR 680pF 50V
C26	UA652680	C. MYLAR 680pF 50V
C27	UM407220	C. EL 22uF 16V
C28	UM407220	C. EL 22uF 16V
C29	UM417100	C. EL 10uF 50V
C30	VG279600	C. CE. TUBLR 3300pF 16V
C31	VG278400	C. CE. TUBLR 220pF 50V
C32	VG278400	C. CE. TUBLR 220pF 50V
C33	VG279600	C. CE. TUBLR 3300pF 16V
C34	VG279900	C. CE. TUBLR 6800pF 16V
C35	VG278600	C. CE. TUBLR 330pF 50V
C36	VG279500	C. CE. TUBLR 2700pF 16V
C37	VG278600	C. CE. TUBLR 330pF 50V
C38	VG279500	C. CE. TUBLR 2700pF 16V
C39	VG279900	C. CE. TUBLR 6800pF 16V
C40	UA653470	C. MYLAR 4700pF 50V
C41	FG212330	C. CE 330pF 50V
C42	FG212330	C. CE 330pF 50V
C43	UA653470	C. MYLAR 4700pF 50V
C44	UM407220	C. EL 22uF 16V
C45	UM407220	C. EL 22uF 16V
C46	UA652330	C. MYLAR 330pF 50V
C47	UM407220	C. EL 22uF 16V
C48	UA652330	C. MYLAR 330pF 50V
C49	UA652330	C. MYLAR 330pF 50V
C50	UM407220	C. EL 22uF 16V
C51	VJ839100	C. EL 1uF 50V
C52	VG279500	C. CE. TUBLR 2700pF 16V
C53	VG279500	C. CE. TUBLR 2700pF 16V
C54	VJ839100	C. EL 1uF 50V
C55	VF466600	C. CE. TUBLR 10pF 50V
C56	VF466600	C. CE. TUBLR 10pF 50V
C58	UA654100	C. MYLAR 0.01uF 50V
C59	VF466800	C. CE. TUBLR 100pF 50V
C60	VF466800	C. CE. TUBLR 100pF 50V
C61	UA654100	C. MYLAR 0.01uF 50V
C63	UM407220	C. EL 22uF 16V
C64	UM407220	C. EL 22uF 16V
C65	VG277000	C. CE. TUBLR 33pF 50V
C66	VG277000	C. CE. TUBLR 33pF 50V
C67	VG277000	C. CE. TUBLR 33pF 50V

* New Parts

P.C.B. INPUT

Schm Ref.	PART NO.	Description		
C68	VG277000	C. CE. TUBLR	33pF	50V
C69	UM407220	C. EL	22uF	16V
C70	UM407220	C. EL	22uF	16V
C71	VG279600	C. CE. TUBLR	3300pF	16V
C72	VG279600	C. CE. TUBLR	3300pF	16V
C73	VH053100	C. CE. TUBLR	0.1uF	50V
C74	VH053100	C. CE. TUBLR	0.1uF	50V
C75	VH053100	C. CE. TUBLR	0.1uF	50V
C76	UJ638330	C. EL	330uF	16V
C78	VJ837200	C. EL	47uF	16V
C79	VJ837200	C. EL	47uF	16V
C80	VF760000	C. EL	100uF	10V
C81	VH053100	C. CE. TUBLR	0.1uF	50V
C82	VF964800	C. EL	100uF	16V
C83	VE117600	C. EL	220uF	10V
C86	VH053100	C. CE. TUBLR	0.1uF	50V
C87	VJ837200	C. EL	47uF	16V
C88	VJ837200	C. EL	47uF	16V
C89	VJ837200	C. EL	47uF	16V
C90	VH053100	C. CE. TUBLR	0.1uF	50V
C91	VF466800	C. CE. TUBLR	100pF	50V
C93	VF466800	C. CE. TUBLR	100pF	50V
C94	VF466800	C. CE. TUBLR	100pF	50V
C301	VF760000	C. EL	100uF	10V
C301	VK679700	C. EL	100uF	6.3V
C302	UA652220	C. MYLAR	220pF	50V (BG)
C303	UA652220	C. MYLAR	220pF	50V
C304	UA652220	C. MYLAR	220pF	50V (BG)
C305	UA652220	C. MYLAR	220pF	50V
C306	VF760000	C. EL	100uF	10V
C306	VK679700	C. EL	100uF	6.3V
C307	UA652100	C. MYLAR	100pF	50V
C308	UA652100	C. MYLAR	100pF	50V
C309	VF466700	C. CE. TUBLR	47pF	50V
C310	VF466700	C. CE. TUBLR	47pF	50V
C311	VF466800	C. CE. TUBLR	100pF	50V
C312	VF466800	C. CE. TUBLR	100pF	50V
C313	VF466800	C. CE. TUBLR	100pF	50V
C314	VF466800	C. CE. TUBLR	100pF	50V
C315	VF466700	C. CE. TUBLR	47pF	50V
C316	VF466700	C. CE. TUBLR	47pF	50V
C319	UA652470	C. MYLAR	470pF	50V (UCAR)
C319	UA653100	C. MYLAR	1000pF	50V (BG)
C321	UA652470	C. MYLAR	470pF	50V (UCAR)
C321	UA653100	C. MYLAR	1000pF	50V (BG)
C323	VH053100	C. CE. TUBLR	0.1uF	50V
C324	UJ668100	C. EL	100uF	50V
C325	UM417100	C. EL	10uF	50V
C326	VE117600	C. EL	220uF	10V
C327	FG212100	C. CE	100pF	50V
C328	Ui367220	C. EL	22uF	50V
C329	VH053100	C. CE. TUBLR	0.1uF	50V
C330	VJ839200	C. EL	2.2uF	50V

* New Parts

Schm Ref.	PART NO.	Description		
C331	UA653910	C. MYLAR	9100pF	50V
C332	UA654330	C. MYLAR	0.033uF	50V
C333	UA653910	C. MYLAR	9100pF	50V
C334	UA654330	C. MYLAR	0.033uF	50V
C335	VJ839200	C. EL	2.2uF	50V
C336	UJ668100	C. EL	100uF	50V
C337	VJ839200	C. EL	2.2uF	50V
C338	FG212220	C. CE	220pF	50V
C339	UA653330	C. MYLAR	3300pF	50V
C340	UH178100	C. EL	100uF	63V
C341	VJ837200	C. EL	47uF	16V
C342	VJ837200	C. EL	47uF	16V
C343	FH611220	C. CE	22pF	500V
C344	UM417100	C. EL	10uF	50V
C345	VF466800	C. CE. TUBLR	100pF	50V (BG)
C347	UM407220	C. EL	22uF	16V
C348	UM417100	C. EL	10uF	50V
C349	UM417100	C. EL	10uF	50V
C350	UM407220	C. EL	22uF	16V
C352	VF466800	C. CE. TUBLR	100pF	50V (BG)
C353	UM417100	C. EL	10uF	50V
C354	FG212100	C. CE	100pF	50V
C355	UA654100	C. MYLAR	0.01uF	50V
C356	FG210500	C. CE	5pF	50V (BG)
C356	FG251220	C. CE	22pF	50V (UCAR)
C357	UJ668100	C. EL	100uF	50V
C358	VF466800	C. CE. TUBLR	100pF	50V
C359	FG212100	C. CE	100pF	50V
C360	FG212100	C. CE	100pF	50V
C361	VF466800	C. CE. TUBLR	100pF	50V
C362	UJ668100	C. EL	100uF	50V
C363	FG210500	C. CE	5pF	50V (BG)
C363	FG251220	C. CE	22pF	50V (UCAR)
C364	UA654100	C. MYLAR	0.01uF	50V
C365	FG212100	C. CE	100pF	50V
C366	VF964800	C. EL	100uF	16V
C367	VF964800	C. EL	100uF	16V
C368	VJ839200	C. EL	2.2uF	50V
C369	UA654470	C. MYLAR	0.047uF	50V
C370	UA654470	C. MYLAR	0.047uF	50V
C371	VR325000	C. MYLAR	100pF	100V
C372	VJ839100	C. EL	1uF	50V
C373	Ui367220	C. EL	22uF	50V
C374	VR325000	C. MYLAR	100pF	100V
C375	VJ839100	C. EL	1uF	50V
C376	UA654470	C. MYLAR	0.047uF	50V
C377	VE117600	C. EL	220uF	10V
C378	UJ648100	C. EL	100uF	25V
C379	VL544800	C. EL	3300uF	35V
C380	VG289900	C. EL	2200uF	35V
C381	VG722100	C. EL	1uF	50V
C382	FG212470	C. CE	470pF	50V
C383	VD930900	C. CE. SMI	0.1uF	25V

* New Parts

P.C.B. INPUT

Schm Ref.	PART NO.	Description
C384	FG244220	C. CE 0.022uF 50V(BG)
C385	FG244220	C. CE 0.022uF 50V(BG)
C386	FG214100	C. CE 0.01uF 50V(BG)
C387	FG214100	C. CE 0.01uF 50V(BG)
C387	FG244220	C. CE 0.022uF 50V(BG)*2
C388	FG214100	C. CE 0.01uF 50V(G) *1
C388	UG444100	C. CE 0.01uF 50V
C389	UA654470	C. MYLAR 0.047uF 50V
C390	UA654470	C. MYLAR 0.047uF 50V
C391	VH053100	C. CE. TUBLR 0.1uF 50V
C392	VJ839200	C. EL 2.2uF 50V
C395	UJ667470	C. EL 47uF 50V
C396	UJ667470	C. EL 47uF 50V
C397	VJ839200	C. EL 2.2uF 50V
C398	VJ839200	C. EL 2.2uF 50V
C399	UA652220	C. MYLAR 220pF 50V
C401	UA652220	C. MYLAR 220pF 50V
C402	UA652220	C. MYLAR 220pF 50V
C404	VF466800	C. CE. TUBLR 100pF 50V(BG)
C405	VJ837200	C. EL 47uF 16V
C406	VJ837200	C. EL 47uF 16V
C407	VF466800	C. CE. TUBLR 100pF 50V(BG)
C408	UA652100	C. MYLAR 100pF 50V
C409	UA652100	C. MYLAR 100pF 50V
C411	FG211100	C. CE 10pF 50V
C412	FG211100	C. CE 10pF 50V
C413	UM417100	C. EL 10uF 50V
C415	UM417100	C. EL 10uF 50V
C416	UM417100	C. EL 10uF 50V
C417	VJ837200	C. EL 47uF 16V
C418	VJ837200	C. EL 47uF 16V
C419	UJ638470	C. EL 470uF 16V
C420	VG722100	C. EL 1uF 50V
C421	VH053100	C. CE. TUBLR 0.1uF 50V
C501	UJ638330	C. EL 330uF 16V
C502	VH053100	C. CE. TUBLR 0.1uF 50V
C503	VH053100	C. CE. TUBLR 0.1uF 50V
C504	VH053100	C. CE. TUBLR 0.1uF 50V
C505	VH053100	C. CE. TUBLR 0.1uF 50V
C506	VH053100	C. CE. TUBLR 0.1uF 50V
C507	VH053100	C. CE. TUBLR 0.1uF 50V
C508	VH053100	C. CE. TUBLR 0.1uF 50V
D1	VD631600	DIODE 1SS133, 176, HSS104
D3	VM975500	DIODE. ZENR HZS12A2TD 12V
D301	VM975600	DIODE. ZENR HZS12B2TD 12V
D302	VM975600	DIODE. ZENR HZS12B2TD 12V
D303	VM975600	DIODE. ZENR HZS12B2TD 12V
D304	VM975600	DIODE. ZENR HZS12B2TD 12V
D305	VD631600	DIODE 1SS133, 176, HSS104
D306	VD631600	DIODE 1SS133, 176, HSS104
D307	VD631600	DIODE 1SS133, 176, HSS104
D308	VD631600	DIODE 1SS133, 176, HSS104
D309	VN008700	DIODE 1SS270A

* New Parts

Schm Ref.	PART NO.	Description
D310	VM976300	DIODE. ZENR HZS242TD 24V
D311	VD631600	DIODE 1SS133, 176, HSS104
D312	VD631600	DIODE 1SS133, 176, HSS104
D313	VM974100	DIODE. ZENR HZS5B2TD 5.0V
D314	VV731400	DIODE 2A02M
D315	VV731400	DIODE 2A02M
D316	VV731400	DIODE 2A02M
D317	VV731400	DIODE 2A02M
D318	VM974200	DIODE. ZENR HZS5C2TD 5.0V
D319	VD631600	DIODE 1SS133, 176, HSS104
D501	VS997800	DIODE 1T2
IC1	XP896A00	IC LC78213
IC2	XB247301	IC uPC4570HA
IC3	XM356A00	IC NJM2068LD
IC4	XB247301	IC uPC4570HA
IC5	XB247301	IC uPC4570HA
IC6	XB247301	IC uPC4570HA
IC7	XB247301	IC uPC4570HA
IC8	XB247301	IC uPC4570HA
IC9	XB247301	IC uPC4570HA
IC10	XB247301	IC uPC4570HA
IC11	XQ212A00	IC NJM4558LD
IC12	XQ212A00	IC NJM4558LD
IC14	XA507A00	IC AN78N05
IC16	Xi022B00	IC YSS203B-F
IC17	XS881A00	IC LH5P832D-10 PSRAM
IC302	XM356A00	IC NJM2068LD
IC303	XP894A00	IC LC78211
IC304	iG092000	IC M5220L
IC305	XG505A00	IC NJM79M15FA
IC308	XB247301	IC uPC4570HA
IC309	XB247301	IC uPC4570HA
IC310	XF494A00	IC LB1641
L301	VP575600	COIL 1.5uH
L302	VP575600	COIL 1.5uH
L303	VP575600	COIL 1.5uH
PJ1	VR765100	JACK. PIN 2P
PJ301	VZ410600	JACK. PIN 6P
PJ302	VU857800	JACK. PIN 6P
PJ305	VP768000	JACK. PIN 2P
Q1	VP872700	TR 2SC4488 S, T
Q303	iC174020	TR 2SC1740S R, S
Q304	iC174020	TR 2SC1740S R, S
Q305	VP883000	TR 2SA893A D, E
Q306	VP872700	TR 2SC4488 S, T
Q307	VP872600	TR 2SA1708 S, T
Q308	iC224030	TR 2SC2240 GR, BL
Q308	VC276100	TR 2SC2909 S, T
Q309	iC224030	TR 2SC2240 GR, BL
Q309	VC276100	TR 2SC2909 S, T
Q310	VP872600	TR 2SA1708 S, T
Q311	VP872700	TR 2SC4488 S, T
Q312	VV855300	TR 2SD856 Q, P

* New Parts

P.C.B. INPUT

Schm Ref.	PART NO.	Description
Q313	iC1815C0	TR 2SC1815 Y
Q314	VV855300	TR 2SD856 Q, P
Q315	VV855300	TR 2SD856 Q, P
Q316	iC1815C0	TR 2SC1815 Y
Q317	VV855300	TR 2SD856 Q, P
Q319	VP872700	TR 2SC4488 S, T
Q320	iC174020	TR 2SC1740S R, S
Q321	VP872600	TR 2SA1708 S, T
Q322	VP883000	TR 2SA893A D, E
Q323A	iX615750	TR 2SA1694 O, P, Y
Q323C	iX615760	TR 2SC4467 O, P, Y
Q324	VP882900	TR 2SC1890 E
Q326	iC287820	TR 2SC2878 A, B
Q327	iC287820	TR 2SC2878 A, B
R79	HV453220	R. CAR. FP 2.2 Ω 1/4W
R84	HL314470	R. MTL. OXD 47 Ω 1W
R85	HV453220	R. CAR. FP 2.2 Ω 1/4W
R86	HV453220	R. CAR. FP 2.2 Ω 1/4W
R87	HV453220	R. CAR. FP 2.2 Ω 1/4W
R88	HV453220	R. CAR. FP 2.2 Ω 1/4W
R95	HV453470	R. CAR. FP 4.7 Ω 1/4W
R353	HV454100	R. CAR. FP 10 Ω 1/4W
R360	HV455470	R. CAR. FP 470 Ω 1/4W
R365	HV455470	R. CAR. FP 470 Ω 1/4W
R370	HV455330	R. CAR. FP 330 Ω 1/4W
R376	HV455220	R. CAR. FP 220 Ω 1/4W
R377	HV455100	R. CAR. FP 100 Ω 1/4W
R378	HV455100	R. CAR. FP 100 Ω 1/4W
R379	HV455220	R. CAR. FP 220 Ω 1/4W
R385	HV455330	R. CAR. FP 330 Ω 1/4W
R386	HV456150	R. CAR. FP 1.5K Ω 1/4W
R387	VE869300	R. MTL. OXD 0.1 Ω 2W
R389	HV454220	R. CAR. FP 22 Ω 1/4W
R390	HV454220	R. CAR. FP 22 Ω 1/4W
R392	HV456150	R. CAR. FP 1.5K Ω 1/4W
R394	VE869300	R. MTL. OXD 0.1 Ω 2W
R398	HV454100	R. CAR. FP 10 Ω 1/4W
R400	HV454100	R. CAR. FP 10 Ω 1/4W
R401	VK188600	R. FUS 470 Ω 1/4W
R402	HV456270	R. CAR. FP 2.7K Ω 1/4W
R403	HV455470	R. CAR. FP 470 Ω 1/4W
R404	HV456820	R. CAR. FP 8.2K Ω 1/4W
R405	HV456150	R. CAR. FP 1.5K Ω 1/4W
R410	HV453470	R. CAR. FP 4.7 Ω 1/4W
R412	HV457100	R. CAR. FP 10K Ω 1/4W
R415	VU981700	R. MTL. PLAT 0.22 Ω +0.22 3W
R416	HV453470	R. CAR. FP 4.7 Ω 1/4W
R417	HV454100	R. CAR. FP 10 Ω 1/4W
R418	HL425820	R. MTL. OXD 820 Ω 2W
R419	HV454100	R. CAR. FP 10 Ω 1/4W
R420	HV454100	R. CAR. FP 10 Ω 1/4W
R430	HV453220	R. CAR. FP 2.2 Ω 1/4W
R433	HV454100	R. CAR. FP 10 Ω 1/4W

* New Parts

Schm Ref.	PART NO.	Description
R434	HL314680	R. MTL. OXD 68 Ω 1W
R455	HV453470	R. CAR. FP 4.7 Ω 1/4W
R456	HV453470	R. CAR. FP 4.7 Ω 1/4W
R457	HV454100	R. CAR. FP 10 Ω 1/4W
R458	HV454100	R. CAR. FP 10 Ω 1/4W
R501	HL314680	R. MTL. OXD 68 Ω 1W
R504	HV454100	R. CAR. FP 10 Ω 1/4W
R505	HV454100	R. CAR. FP 10 Ω 1/4W
R506	HL314220	R. MTL. OXD 22 Ω 1W
RY301	VU566700	RELAY DG24D2-OS/M
SW1	VS602600	SW. SLIDE SS070-P022 A
TE301	VS578600	TERM. SP 8P
VR301	VV135100	VR. MTR A100K Ω
XL1	VK175200	RSNR. CE 11.28MHz
	VJ828000	PIN IMSA-6024-03E
	BB071360	SCR. TERM 8.3x13

* New Parts

CHIP RESISTORS

Schm Ref.	PART NO.	Description
	RD254220	R. CAR. CHP 22 Ω 1/10W
	RD255100	R. CAR. CHP 100 Ω 1/10W
	RD255220	R. CAR. CHP 220 Ω 1/10W
	RD255330	R. CAR. CHP 330 Ω 1/10W
	RD255470	R. CAR. CHP 470 Ω 1/10W
	RD256100	R. CAR. CHP 1K Ω 1/10W
	RD256120	R. CAR. CHP 1.2K Ω 1/10W
	RD256220	R. CAR. CHP 2.2K Ω 1/10W
	RD256330	R. CAR. CHP 3.3K Ω 1/10W
	RD256470	R. CAR. CHP 4.7K Ω 1/10W
	RD256560	R. CAR. CHP 5.6K Ω 1/10W
	RD256680	R. CAR. CHP 6.8K Ω 1/10W
	RD257100	R. CAR. CHP 10K Ω 1/10W
	RD257150	R. CAR. CHP 15K Ω 1/10W
	RD257220	R. CAR. CHP 22K Ω 1/10W
	RD257470	R. CAR. CHP 47K Ω 1/10W
	RD257750	R. CAR. CHP 75K Ω 1/10W
	RD258100	R. CAR. CHP 100K Ω 1/10W
	RD259470	R. CAR. CHP 4.7M Ω 1/10W

* New Parts