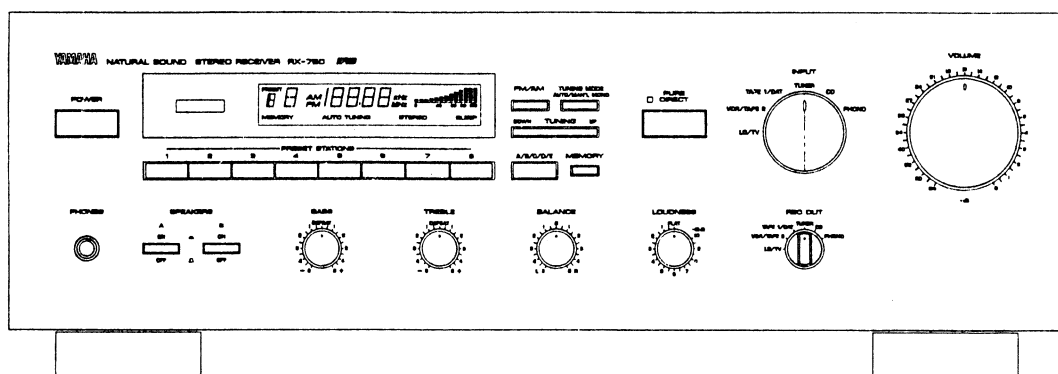
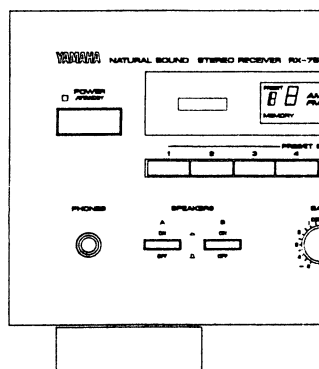


STEREO RECEIVER RX-750

SERVICE MANUAL



G model only



IMPORTANT NOTICE

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

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

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

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

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

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

CONTENTS

TO SERVICE PERSONNEL	1	PRINTED CIRCUIT BOARD	12~21
REAR PANELS	1~2	INTERCONNECT WIRING DIAGRAM	22~23
SPECIFICATIONS	3~4	DISPLAY DATA	24
INTERNAL VIEW	4	μ-COM DATA	25~26
DISASSEMBLY PROCEDURES	5	FRONT END PACK	27
ADJUSTMENT IN POWER AMPLIFIER SECTION	5	SCHEMATIC DIAGRAM	28~30
ADJUSTMENT IN TUNER SECTION	6~9	PARTS LIST	31~40
TEST MODE	9	REMOTE CONTROL TRANSMITTER	41
BLOCK DIAGRAM	10~11		

SPECIFICATIONS

AUDIO SECTION

Minimum RMS Output Power per Channel	
8Ω, 20Hz to 20kHz, 0.015% THD	80W
6Ω, 20Hz to 20kHz, 0.03% THD	
U, C models	90W
Dynamic Power per Channel (IHF)	
8/6/4/2Ω	
U, C models	120/150/185/200W
A, B, G, R models	115/130/155/180W
DIN Standard Output Power per Channel	
4Ω, 1kHz, 0.7% THD	
G model only	110W
IEC Power (1kHz, 0.01% THD, 8Ω)	
G model only	85W
Power Band Width	
8Ω, 40W, 0.1% THD	10Hz to 50kHz
Damping Factor	
8Ω, 1kHz	150 or more
Input Sensitivity/Impedance	
PHONO MM	2.5mV/47kΩ
CD etc	150mV/47kΩ
MAIN IN	1V/14kΩ
Maximum Input Signal Level (1kHz, 0.01% THD)	
PHONO MM	115mV
Output Level/Impedance	
REC OUT	150mV/470Ω
PRE OUT	1V/470Ω
Headphone Jack Rated Output/Impedance	
0.01% THD, RL= 8Ω	0.5V/390Ω
Frequency Response (20Hz to 20kHz)	
CD etc	±0.5dB
MAIN IN	±0.5dB
RIAA Equalization Deviation (20Hz to 20kHz)	
PHONO MM	±0.3dB
Total Harmonic Distortion (20Hz to 20kHz)	
PHONO MM to REC OUT (3V)	0.007%
CD etc to PRE OUT (1V)	0.005%
CD etc to SP OUT (40W/8Ω)	0.008%
MAIN IN to SP OUT (40W/8Ω)	0.008%
Intermodulation Distortion	
CD etc (Rated Output/8Ω)	0.01%
Signal-to-Noise Ratio (IHF-A Network)	
(Pure Direct SW ON)	
PHONO MM (5mV Input Shorted)	88dB
CD etc (Shorted)	108dB
Residual Noise (IHF-A Network)	
(Pure Direct SW ON)	70μV
Channel Separation (Vol. -30dB)	
PHONO MM (Input Shorted) 1kHz/10kHz	65dB/50dB
CD etc 1kHz/10kHz (Input 5.1kΩ Terminated)	65dB/50dB
Tone Control Characteristics	
BASS : Boost/cut	±10dB (20Hz)
Turnover Frequency	350Hz
TREBLE : Boost/cut	±10dB (20kHz)
Turnover Frequency	3.5kHz
Continuous Loudness Control	
(Level related equalization)	-40dB (1kHz)

VIDEO SECTION

Video Signal	
Input/Output	1Vp-p/75Ω

FM SECTION

Tuning Range	
U, C models	87.5 to 107.9MHz
A, B, G, R models	87.5 to 108.0MHz
50dB Quieting Sensitivity (IHF, 75Ω)	
Except Europe model	
Mono	1.55μV (15.1dBf)
Stereo	21μV (37.7dBf)
Usable Sensitivity (75Ω)	
(30dB S/N Quieting, 1kHz, 100% mod.)	
Except G model	0.8μV (9.3dBf)
DIN, Mono (S/N 26dB) G model	0.9μV
DIN, Stereo (S/N 46dB) G model	24μV
Image Response Ratio	
Except G model	45dB
G model	75dB
IF Response Ratio	
Except G model	80dB
G model	75dB
Spurious Response Ratio	
	70dB
AM Suppression Ratio	
	55dB
Capture Ratio	
	1.5dB
Alternate Channel Selectivity	
Except G model	85dB
Selectivity (two signals, 40kHz Dev.)	
G model	70dB
Signal-to-Noise Ratio	
(IHF) Mono/Stereo	
Except G model	81/76dB
(DIN-weighted, 40kHz Dev.) Mono/Stereo	
G model	75/70dB
Harmonic Distortion (1kHz)	
Mono/Stereo	
Except G model	0.1/0.2%
Mono/Stereo (40kHz Dev.)	
G model	0.1/0.2%
Frequency Response	
20Hz to 15kHz	0±1.5dB
Stereo Separation (1kHz)	
Except G model	50dB
G model (40kHz Dev.)	50dB

AM SECTION

Tuning Range	
U, C, R models	530 to 1,710kHz
A, B, G, R models	531 to 1,611kHz
Usable Sensitivity	
	100μV/m
Selectivity	
	32dB
Signal-to-Noise Ratio	
	50dB
Image Response Ratio	
	40dB
Spurious Response Ratio	
	50dB
Harmonic Distortion (400Hz)	
	0.3%

AUDIO SECTION

Output Level/Impedance	
FM (30% mod., 1kHz)	
Except G model	700mV/2.9kΩ
G model (40kHz Dev.)	400mV/3.3kΩ
AM (30% mod., 400Hz)	
Except G model	200mV/2.9kΩ
G model (40kHz Dev.)	150mV/3.3kΩ

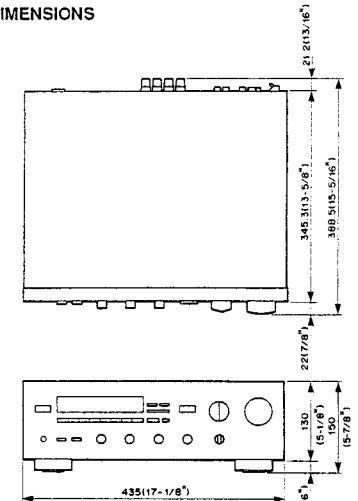
GENERAL

Power Supply	
U, C models	AC 120V, 60Hz
A, B models	AC 240V, 50Hz
G model	AC 230V, 50Hz
R model	AC 110/120/220/240V, 60/50Hz
Power Consumption	
U model	200W
C model	420W
G model	190W
A, B, R models	240W
AC Outlets	
Switched x 2	
U, R models	200W max. (Total)
C, G models	100W max. (Total)
Switched x 1	
A, B models	100W max.
Dimensions (W x H x D)	
	435 x 150 x 388.5mm
	(17-1/8" x 5-7/8" x 15-5/16")
Weight	
	10 kg (22 lbs. 1 oz.)
Accessories	
	AM loop antenna x 1
	Indoor FM antenna x 1
	Remote Control Transmitter x 1
	Battery (size "AA," R06) x 2

* Specifications subject to change Without notice.

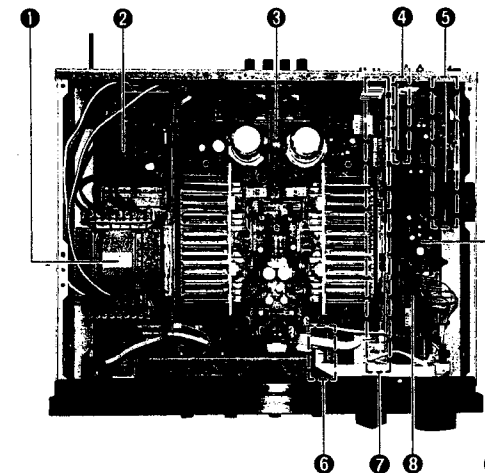
U USA model	B British model
C Canadian model	G European model
A Australian model	R General model

DIMENSIONS



Units : mm (inch)

INTERNAL VIEW



- 1 POWER TRANSFORMER
- 2 MAIN CIRCUIT BOARD (2)
- 3 MAIN CIRCUIT BOARD (1)
- 4 FUNCTION CIRCUIT BOARD (5)
- 5 TUNER CIRCUIT BOARD
- 6 MAIN CIRCUIT BOARD (4)
- 7 FUNCTION CIRCUIT BOARD (2)
- 8 8 bit μ-COM (IC305: M50747)
- 9 FUNCTION CIRCUIT BOARD (1)

DISASSEMBLY PROCEDURES

(Remove parts in the order as numbered.)

- 1. Removal of Top Cover**
Remove 7 screws (①) in Fig. 1.
- 2. Removal of Bottom Cover**
Remove 20 screws (②) in Fig. 1.
- 3. Removal of Front Panel**
Remove 3 screws (③) in Fig. 1.

CAUTION FOR SERVICING-USE ONLY
COPPER COLORED SCREWS (3X10 #8) FOR
POINTS INDICATED BY ARROWS (⇒).

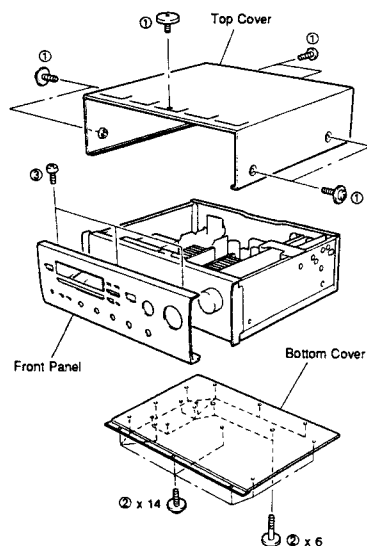
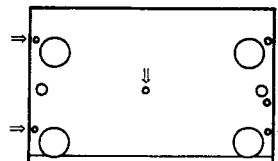


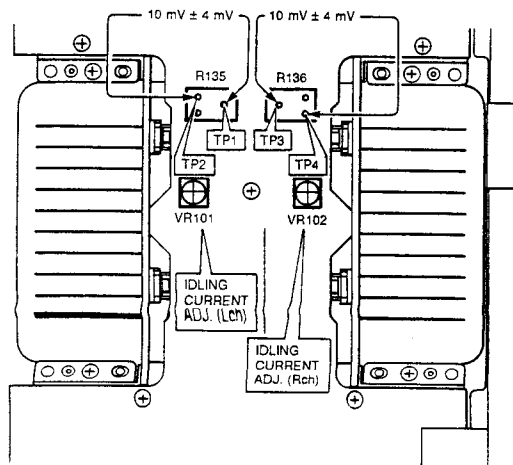
Fig. 1

ADJUSTMENT IN POWER AMPLIFIER SECTION

IDLING CURRENT ADJUSTMENT

When replacing the power and drive transistors, adjust idling current. After the power has been turned on, age about 10 minutes in non loaded condition. Adjust VR101 (Lch) and VR102 (Rch) so that the voltage across the terminals of R135 (TP1 — TP2) and R136 (TP3 — TP4) come to $10 \text{ mV} \pm 4 \text{ mV DC}$.

	Test points	Adjustment point	Rating
Lch	Across the terminals of R135 (TP1—TP2)	VR101	$10 \text{ mV} \pm 4 \text{ mV DC}$
Rch	Across the terminals of R136 (TP3—TP4)	VR102	$10 \text{ mV} \pm 4 \text{ mV DC}$

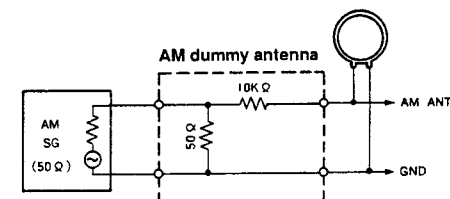
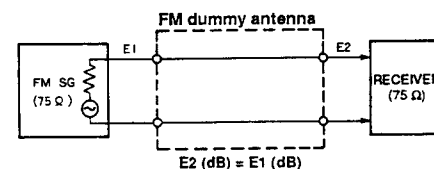
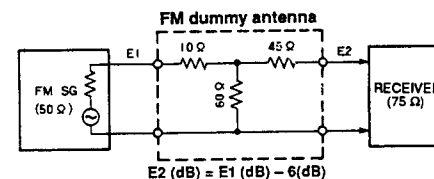


ADJUSTMENT IN TUNER SECTION

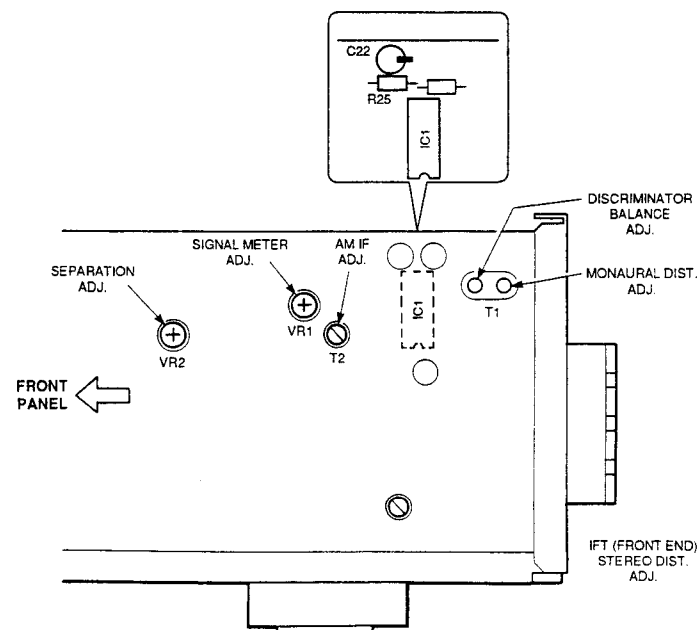
Measuring Instruments

FM signal generator (FM SG)
Stereo signal generator (SSG)
AM signal generator (AM SG)
Distortion meter (DIST. M)
AC voltmeter (ACVM)
DC voltmeter (DCVM)
Oscilloscope
Low pass filter (YLF-15, $f_c=15\text{kHz}$)
Oscillator

Dummy antenna



Adjustment points



FM Adjustment

● Before Adjustment

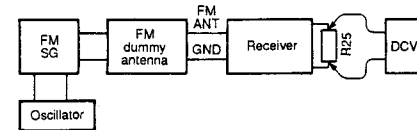
- 1) For dB, $1\mu V=0dB\mu$ applies.
Example : $60dB\mu=1mV$
- 2) 100% modulation means that the frequency deviation is 75kHz. (R, U, C, A, B)
- 3) For the G model, Frequency Deviation is 40kHz.
- 4) For the G, A models, install the Matching Transformer and connect FM SG.

- 5) Set each switch at the following position unless otherwise specified.

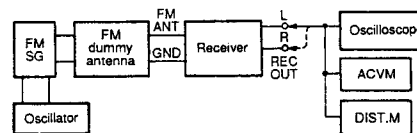
INPUT SELECTOR TUNER
REC OUT TUNER
TUNING MODE AUTO

● Connection diagram (Measuring Instruments)

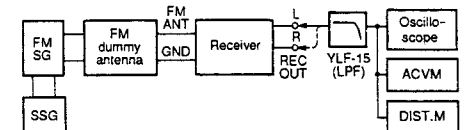
1) Discriminator balance adjustment



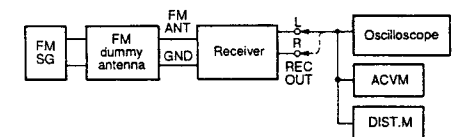
2) Monaural distortion adjustment



3) Stereo distortion adjustment/separation adjustment



4) Sensitivity Verification



Step	Adjustment Item	Signal (ANT IN)	Reception frequency	Adjusted point	Test point	Rating
1	Rough adjustment of discriminator balance	FM ANT (75Ω) 98.1MHz 70dBμ MONO 100Hz 100% modulation	98.1MHz * (A-4)	T1 (IC side core)	Both ends of R25	DC 0V±100mV
2	Rough adjustment of monaural distortion	Same as Step 1.	98.1MHz * (A-4)	T1 (Antenna side core)	REC OUT L, R	Minimize the distortion.
3	Fine adjustment of discriminator balance	Same as Step 1.	98.1MHz * (A-4)	T1 (IC side core)	Both ends of R25	DC 0V±50mV
4	Fine adjustment of monaural distortion	Same as Step 1.	98.1MHz * (A-4)	T1 (Antenna side core)	REC OUT L, R	Minimize the distortion (to 52dB or less).
5	Verification of discriminator balance	Same as Step 1.	98.1MHz * (A-4)	T1 (IC side core)	Both ends of R25	DC 0V±50mV
6	Stereo distortion	FM ANT (75Ω) 98.1MHz 70dBμ Stereo (L or R) 1kHz, 100% modulation	98.1MHz * (A-4) * Tuning mode should be AUTO.	Front end IFT	REC OUT L, R	Distortion should be minimized (40dB or less) * STEREO indicator should light. * Note that over-turning IFT will reduce sensitivity.
7	Verification of monaural distortion	FM ANT (75Ω) 98.1MHz 70dBμ MONO 1kHz, 100% modulation	98.1MHz * (A-4)		REC OUT L, R	48dB or less

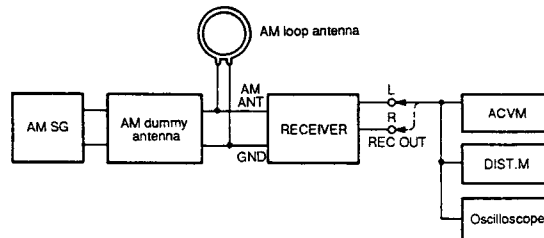
Step	Adjustment Item	Signal (ANT IN)	Reception frequency	Adjusted point	Test point	Rating
8	Verification of sensitivity	FM ANT (75Ω) 88.1MHz 98.1MHz 106.1MHz	88.1MHz * (A-6) 98.1MHz * (A-4) 106.1MHz * (A-7)		ANT (75Ω)	Set the tuning mode to MAN'L MONO. S/N should be 30dB at each frequency of 88.1MHz, 98.1MHz, and 106.1MHz. Check to ensure that the voltage at the ANT terminal is 3dBμ or less.
9	Separation	FM ANT (75Ω) 98.1MHz 70dBμ Stereo (L or R) 1kHz, 100% modulation	98.1MHz * (A-4)	VR2	REC OUT L, R	With SSG output at L or R, the signal leakage level at the other channel should be minimized. 36dB or more
10	Signal meter	FM ANT (75Ω) 98.1MHz 45dBμ MONO 1kHz 30% modulation -10dBμ or less	98.1MHz * (A-4)	VR1		Adjust so that all signal meters light. Check to ensure that signal meters turn OFF.
11	Verification of auto tuning	FM ANT (75Ω) 98.1MHz 23dBμ Stereo (L or R) 1kHz, 30% modulation	98.1MHz			<ul style="list-style-type: none"> Automatic reception should be available when the tuning key is moved UP and DOWN. The stereo indicator should light. Voice muting should be applied during tuning.

* : Execution of MAKER PRESET (Refer to TEST MODE on page 9.) will facilitate setting reception frequency for adjustment.

AM Adjustment (This should be done after FM adjustment.)

● Connection Diagram (Measuring instruments)

1) Adjustment of sensitivity



Step	Adjustment Item	Signal (ANT IN)	Reception frequency	Adjusted point	Test point	Rating
1	Adjustment of sensitivity	AM ANT 630kHz 50dBμ 400Hz, 30% modulation	630kHz * (B-1)	T2	REC OUT	Wave detection output should be maximized.
2	Verification of sensitivity	AM ANT 630kHz 1080kHz 1440kHz 400Hz, 30% modulation	630kHz * (B-1) 1080kHz * (B-2) 1440kHz * (B-3)		AM ANT	Distortion should be 10% or less at each frequency. Check to ensure that the voltage at the ANT terminal is 54dBμ or less.
3	Verification of signal meter	AM ANT 1080kHz 90dBμ -10dBμ or less	1080kHz * (B-2)			All signal meters should light. All signal meters should turn OFF.
4	Verification of auto tuning	AM ANT 60dBμ				Auto reception should be available when the tuning key is moved UP and DOWN.

■ TEST MODE

CAUTION : Before setting to the TEST mode, write down the existing preset memory content of the Tuner in a table as shown below. (This is because setting to the TEST mode will cause the memory content to be as factory set, i.e., all the preset memory by the user will be erased.)

Preset group	P1	P2	P3	P4	P5	P6	P7	P8
A								
B								
C								
D								
E								

● How to start

Turn the POWER switch ON while pressing the PRESET STATION keys No.1, 2 and 3 simultaneously, and the unit enters the TEST mode for the display check. (ALL LIGHTS mode becomes effective immediately after starting.) After that, the DISPLAY mode switches by means of PRESET STATION key No.1, 2, 3 or 8.

● Content of the TEST mode key

PRESET STATION "1" key : ALL LIGHTS ON mode
PRESET STATION "2" key : LIGHTS OFF mode
PRESET STATION "3" key : 7-segment (figure) display mode
PRESET STATION "8" key : The mode is switched to the PRODUCT mode when the TEST mode is cancelled.



Mode to display only 1 digit of 7 segments (figures)
(Others remain OFF.)

● How to cancel

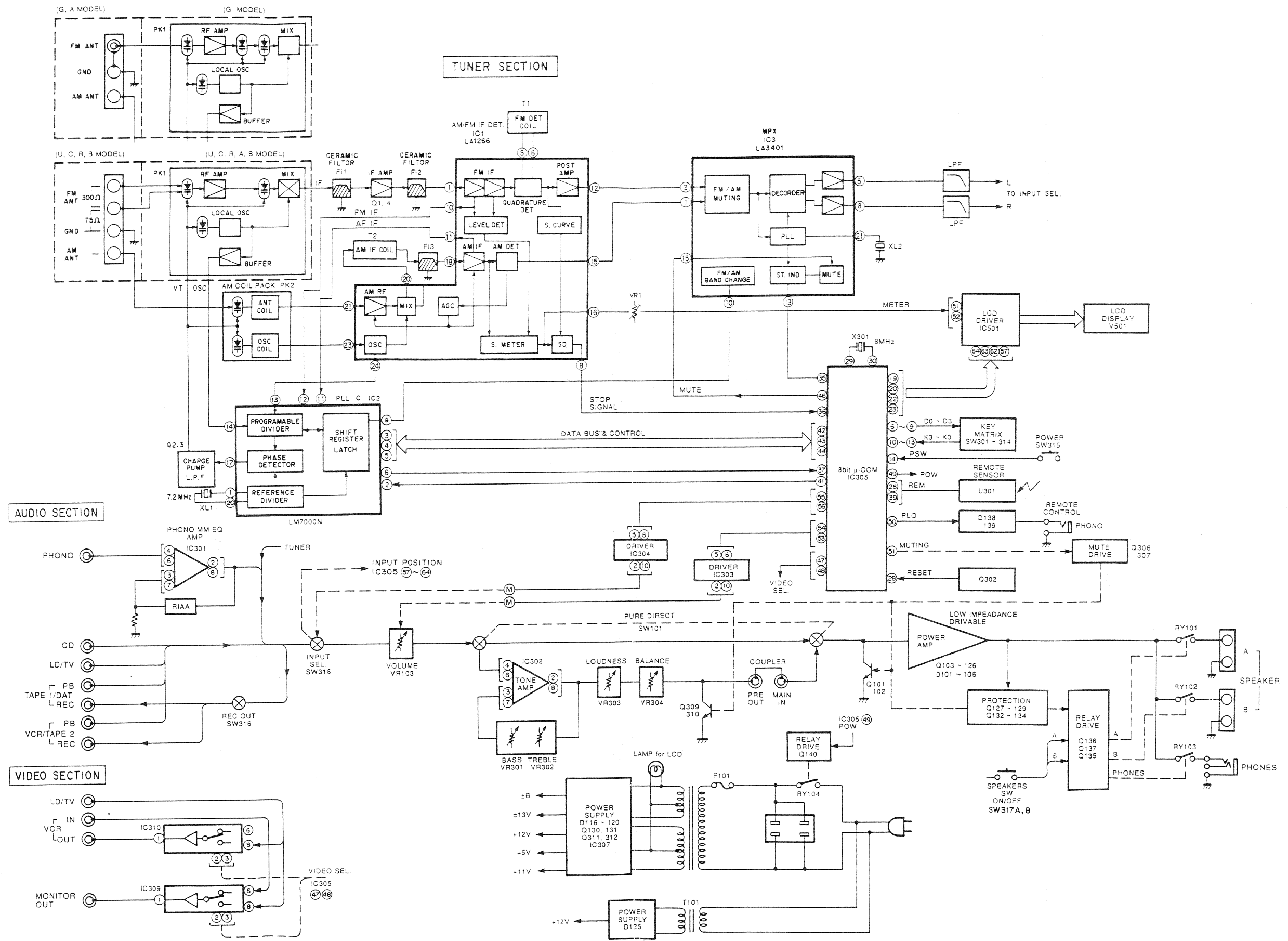
The normal operation is restored when the POWER switch is turned OFF or the PRESET STATION key No.8 pressed. At the same time, the factory preset memory is also restored.

● Factory preset memory content

Preset group	P1	P2	P3	P4	P5	P6	P7	P8
A / C / E	87.5MHz	90.1MHz	95.1MHz	98.1MHz	108MHz	88.1MHz	106.1MHz	107.9MHz (U, C) 108MHz (R, A, B, G)
B / D	630kHz	1080kHz	1440kHz	530kHz (U, C) 531kHz (R, A, B, G)	1710kHz (U, C) 1611kHz (R, A, B, G)	900kHz	1350kHz	1400kHz (U, C) 1404kHz (R, A, B, G)

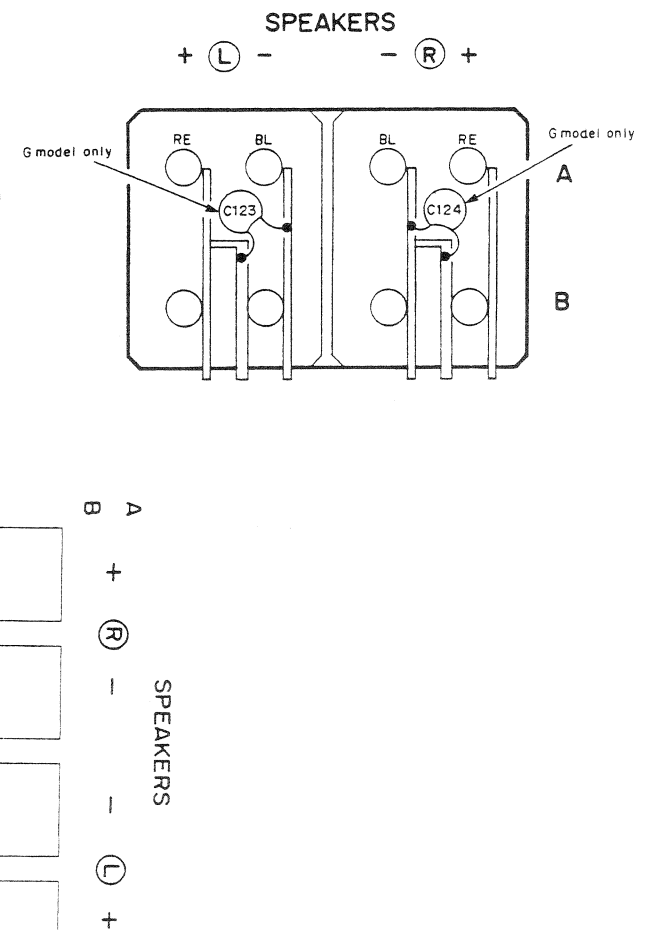
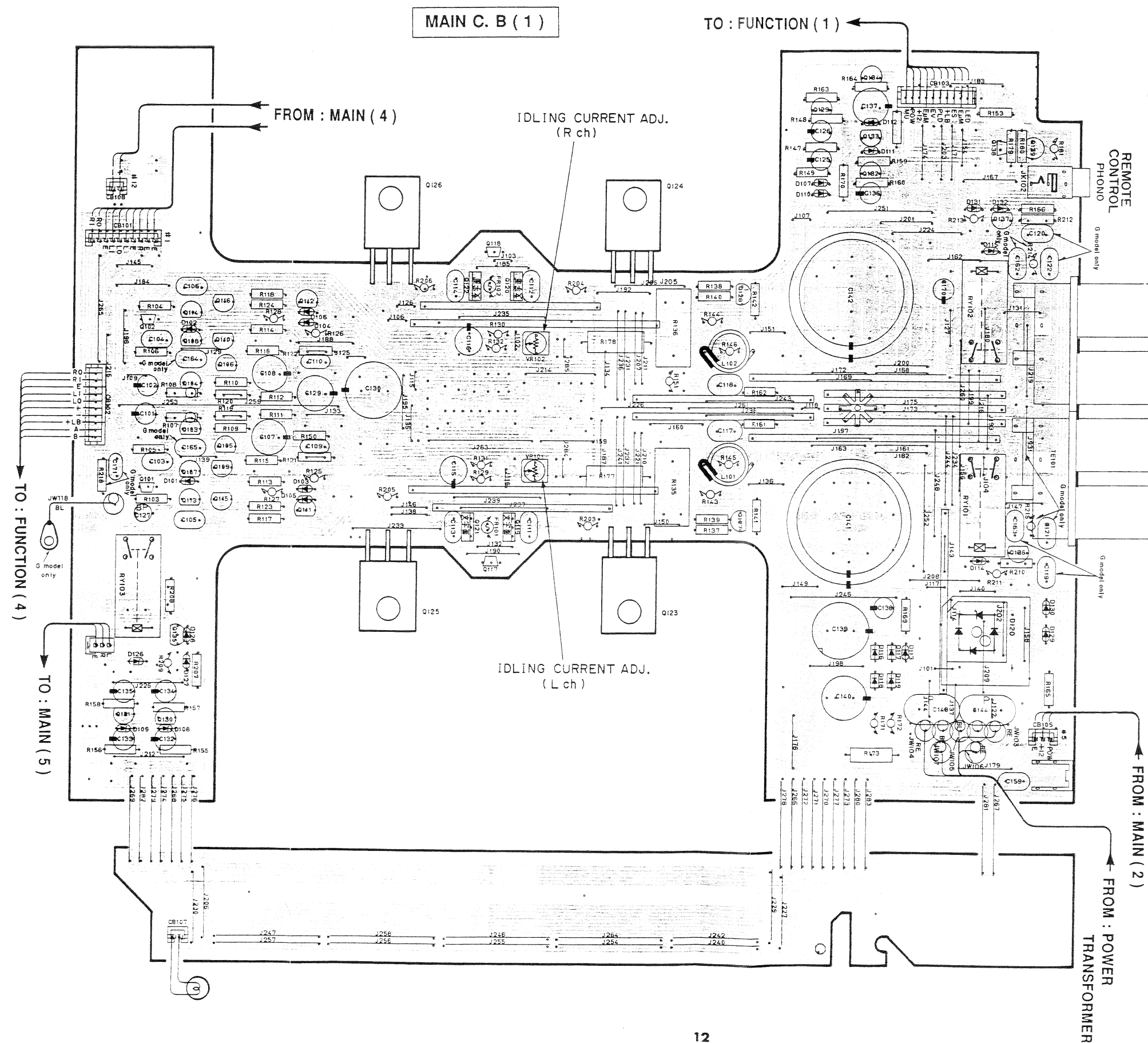
For all the above, AUTO TUNING and AUTO STEREO are selected as the TUNING mode.

■ BLOCK DIAGRAM



■ PRINTED CIRCUIT BOARD (Foil side)

Note) 文字面 : Component side

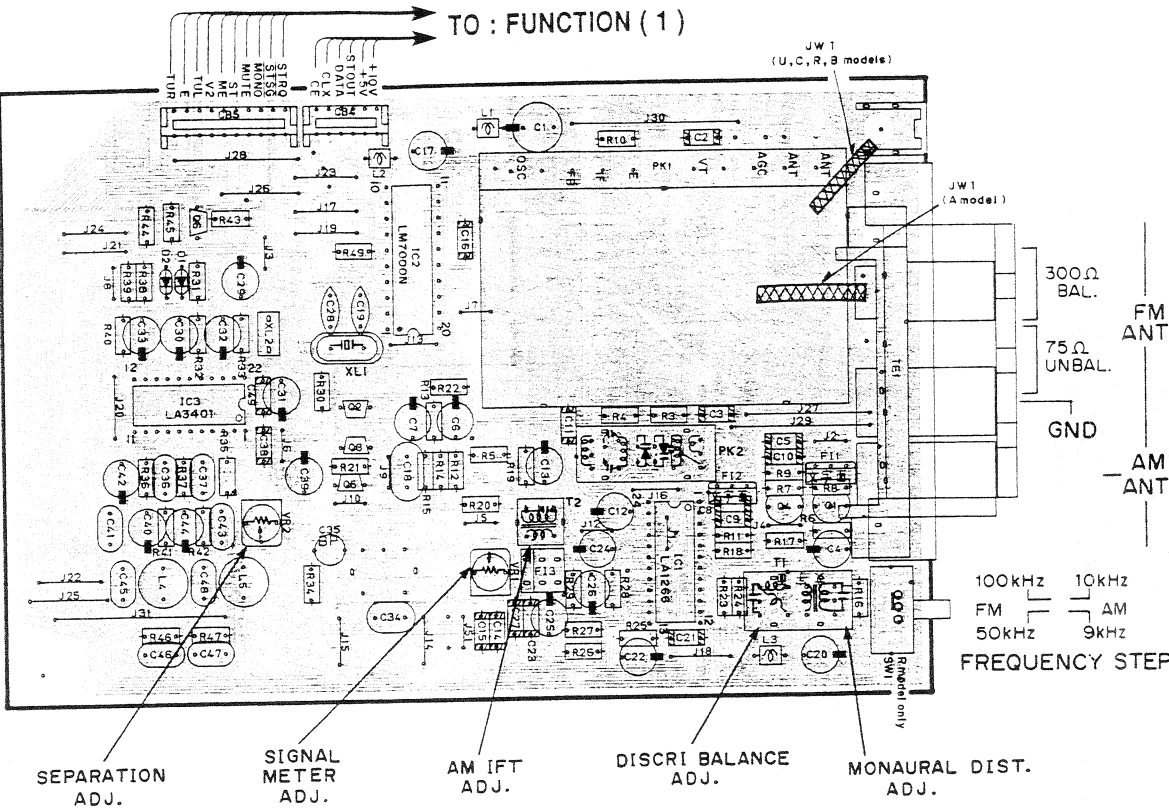


PRINTED CIRCUIT BOARD (Foil side)

Note) 文字面 : Component side

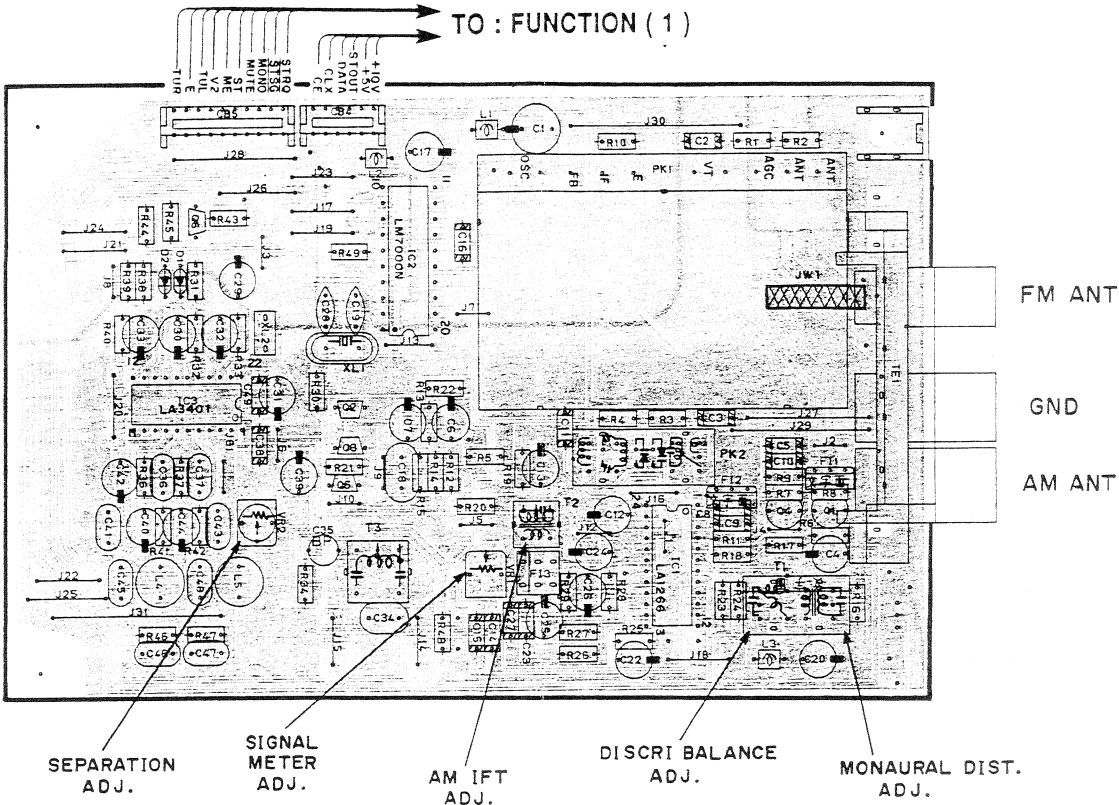
TUNER C. B (1)

● Except G model

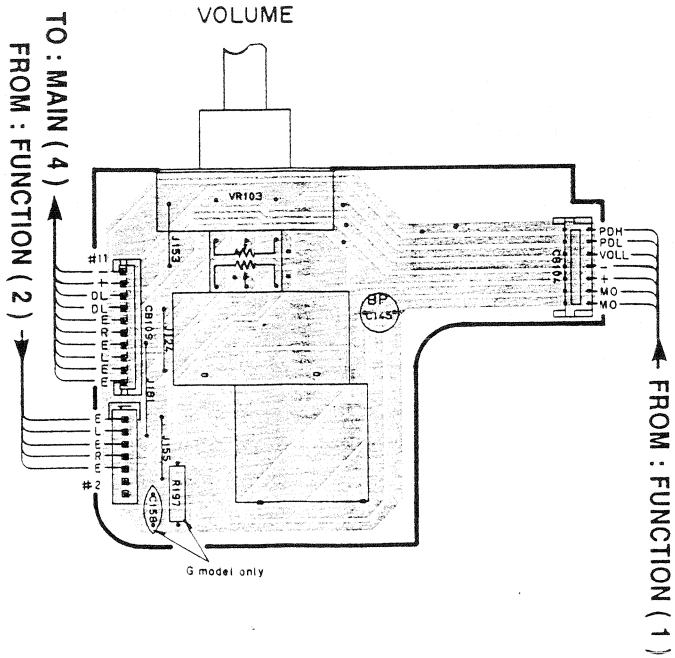


TUNER C. B (1)

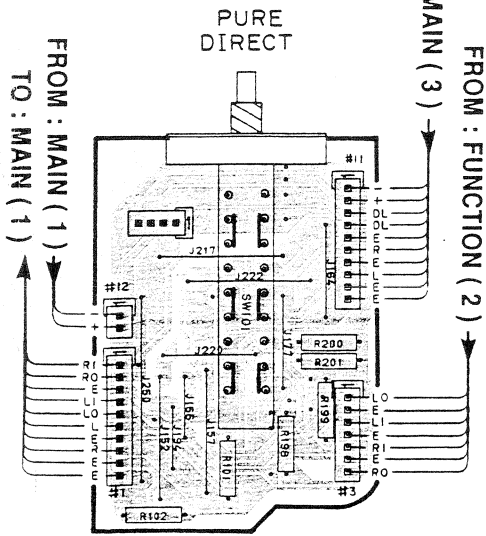
● G model



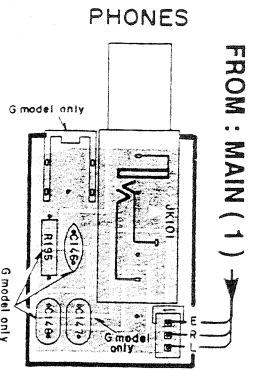
MAIN C. B (3)



MAIN C. B (4)



MAIN C. B (5)

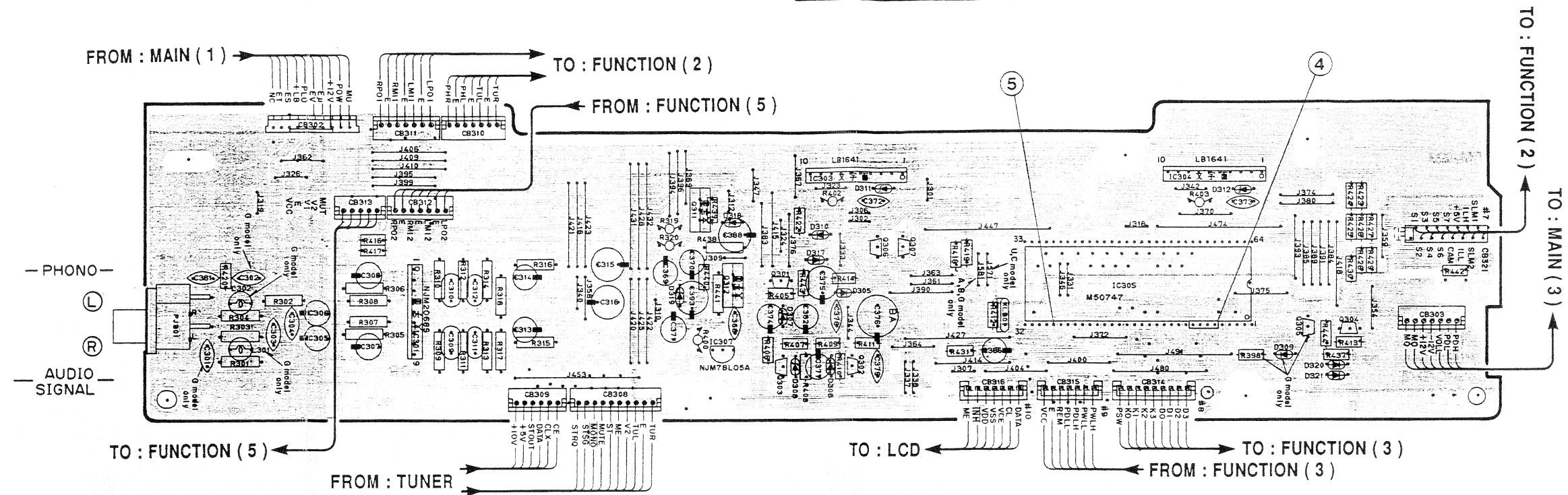


PRINTED CIRCUIT BOARD (Foil side)

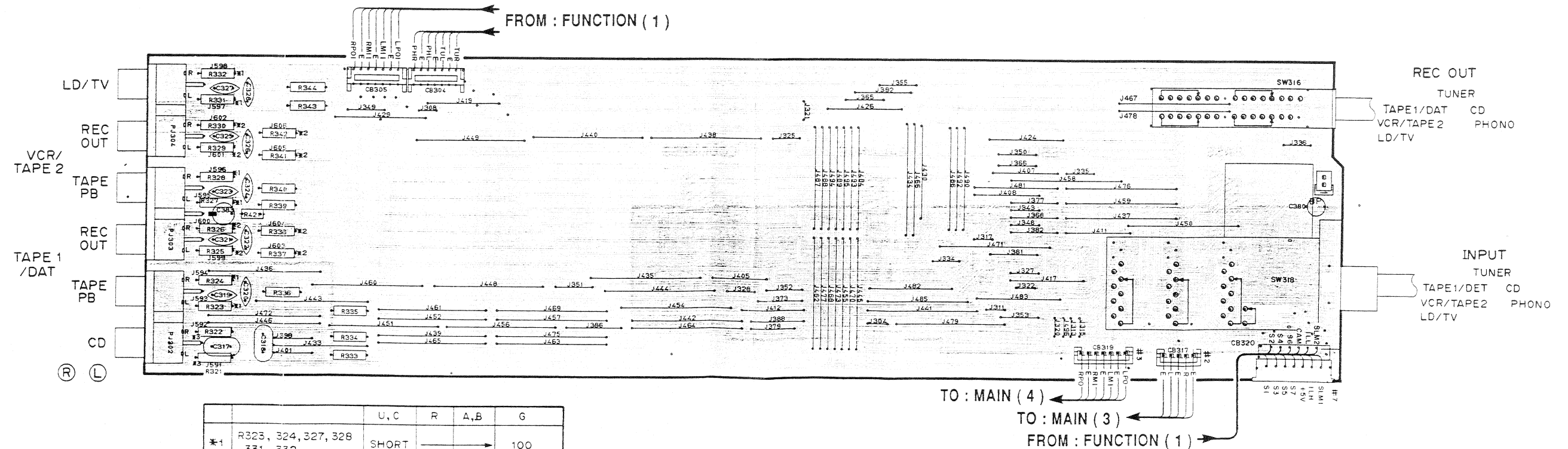
Note) 文字面 : Component side

④ and ⑤ : WAVEFORM OF TEST POINT (See page 30)

FUNCTION C. B (1)



FUNCTION C. B (2)



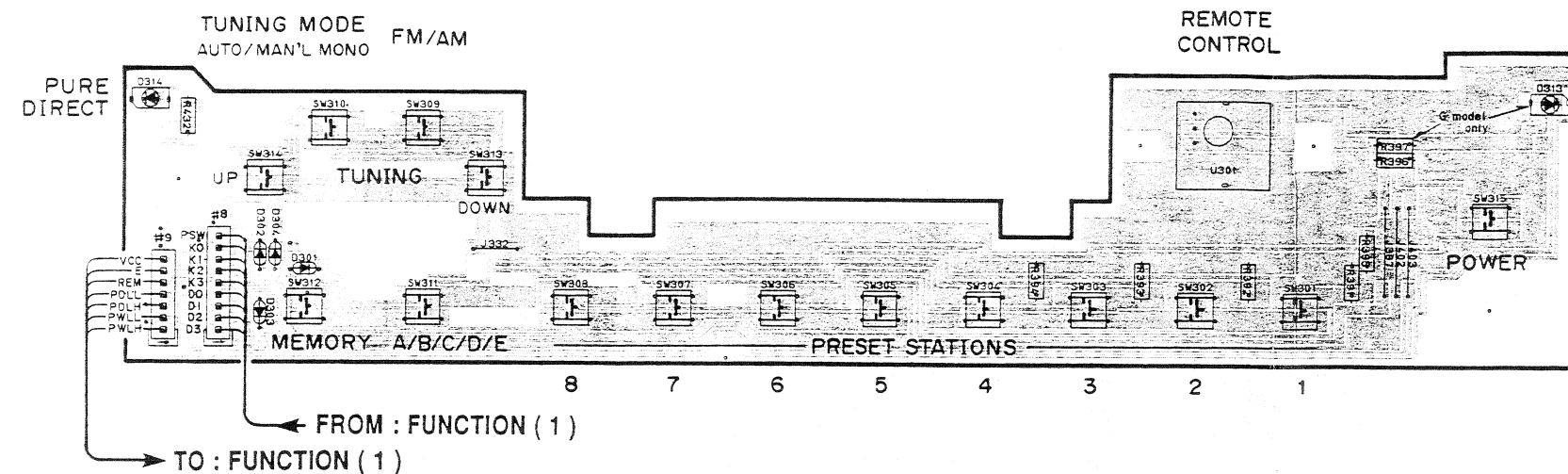
		U, C	R	A, B	G
*1	R323, 324, 327, 328 331, 332	SHORT	→	→	100
*2	R325, 326, 329, 330 337, 338, 341, 342	SHORT	→	→	220
*3	R321, 322	SHORT	→	→	100

PRINTED CIRCUIT BOARD (Foil side)

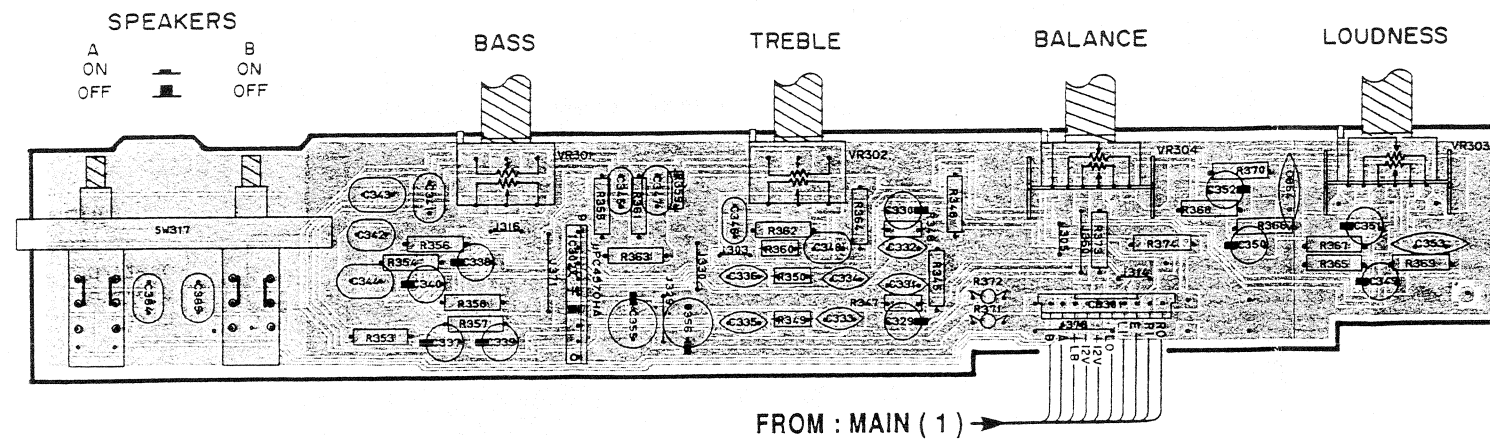
Note) 文字面 : Component side

① to ③ : WAVEFORM OF TEST POINT (See page 28)

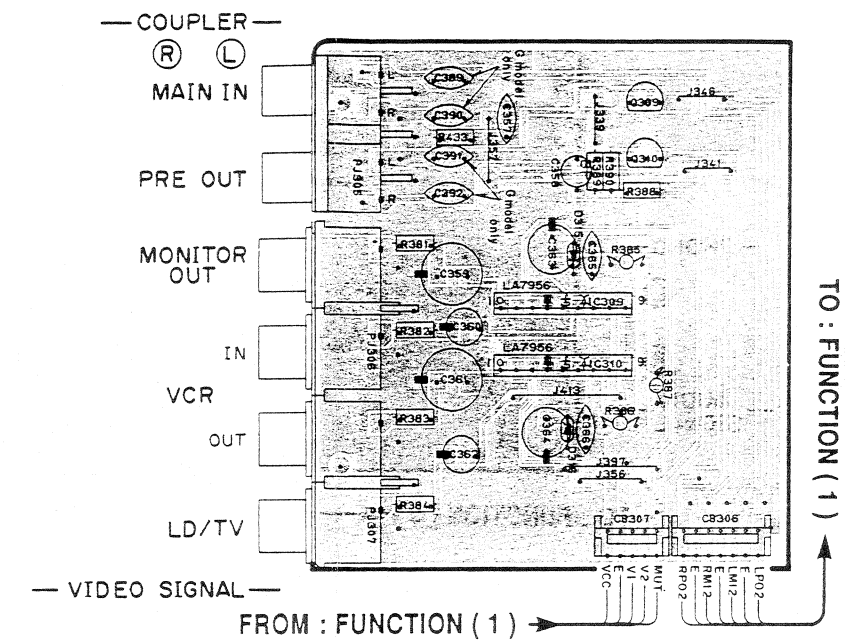
FUNCTION C. B (3)



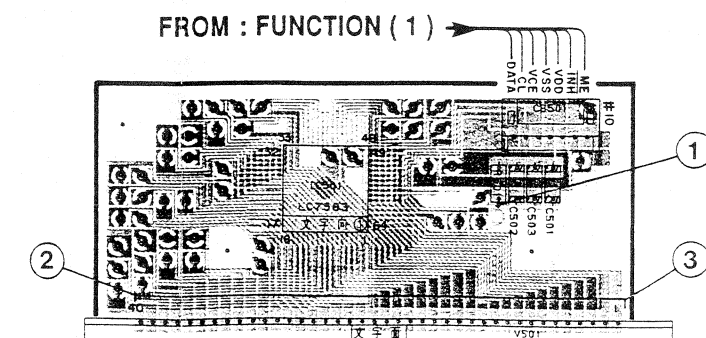
FUNCTION C. B (4)



FUNCTION C. B (5)

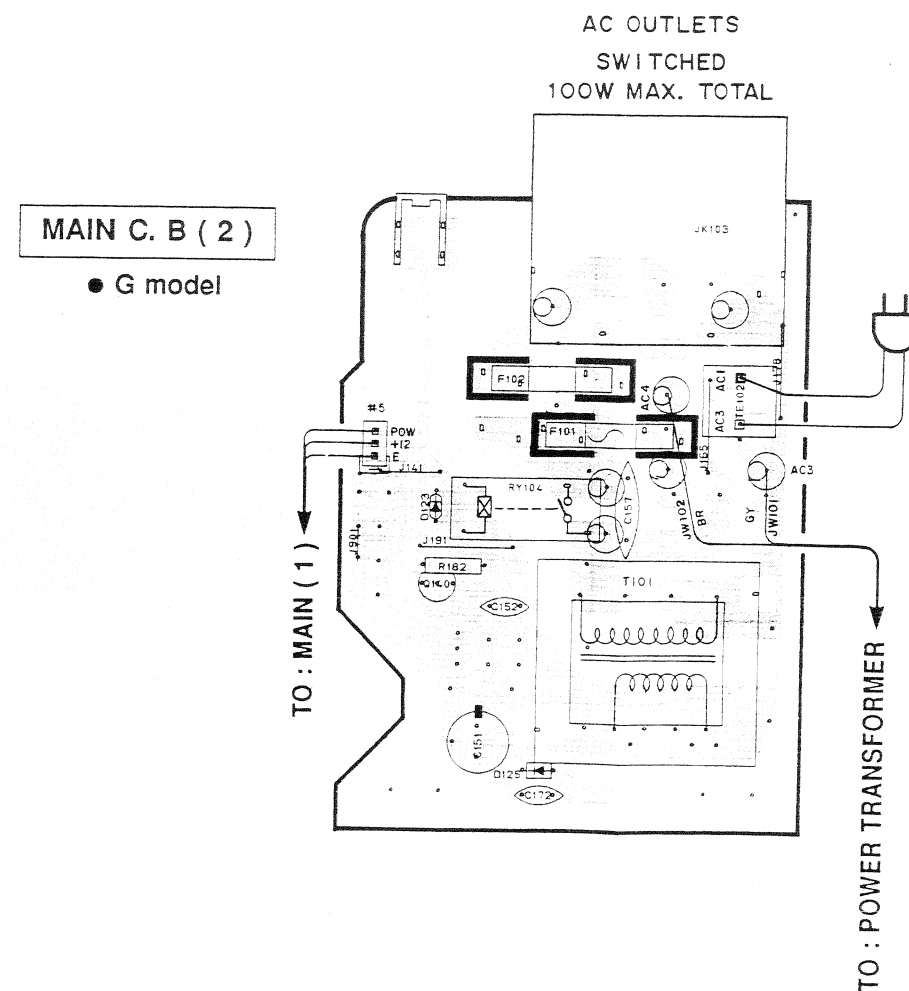
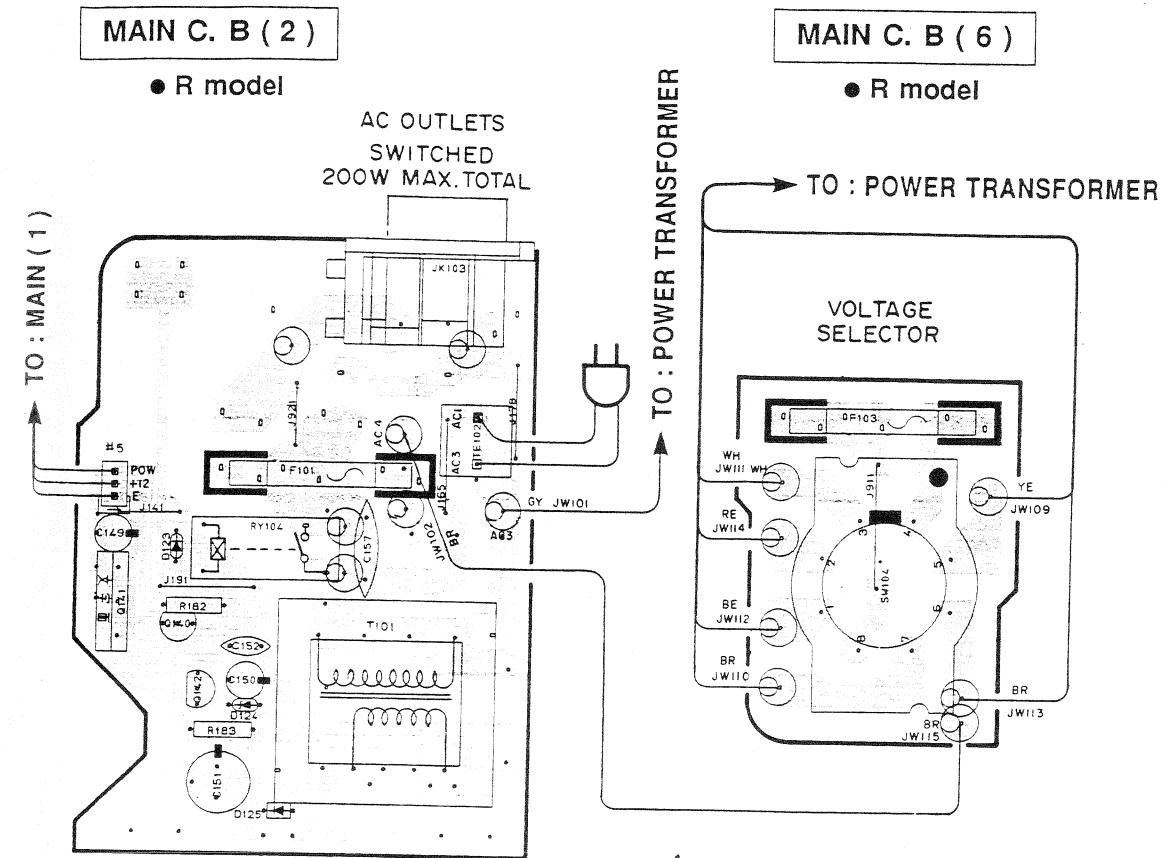
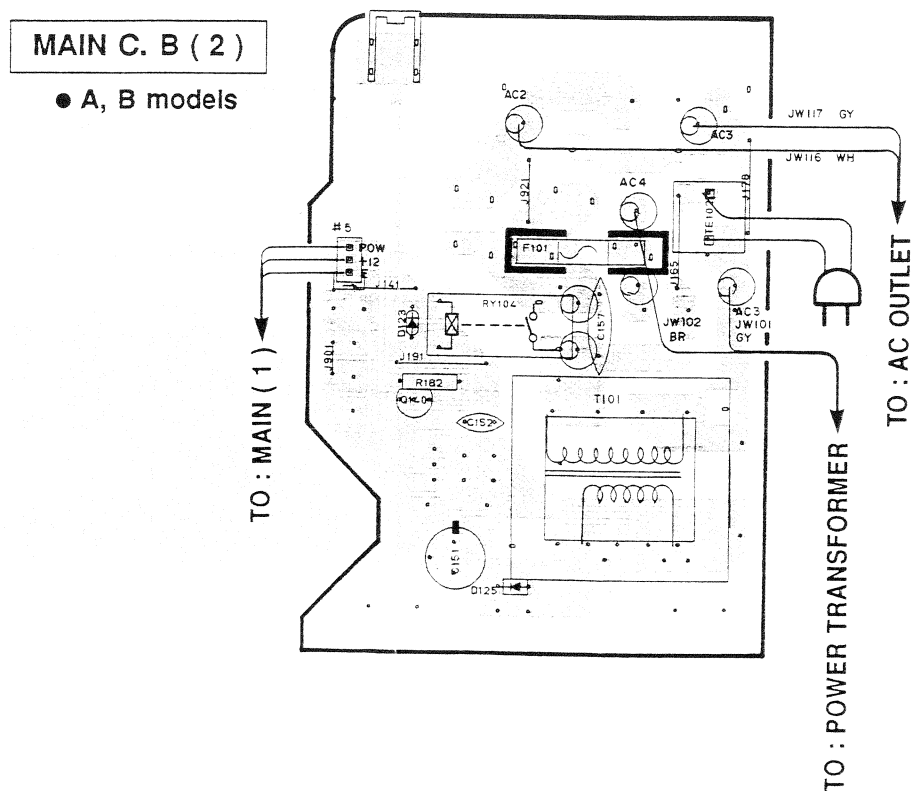
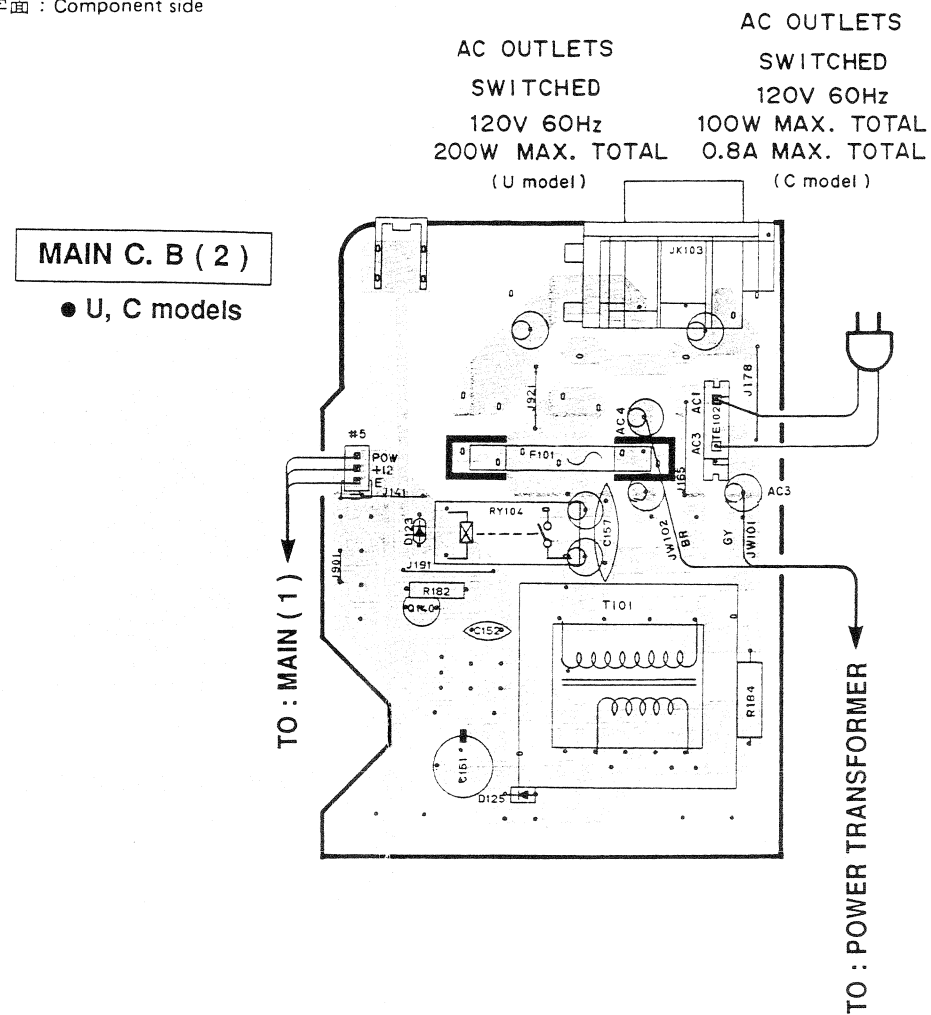


LCD C. B



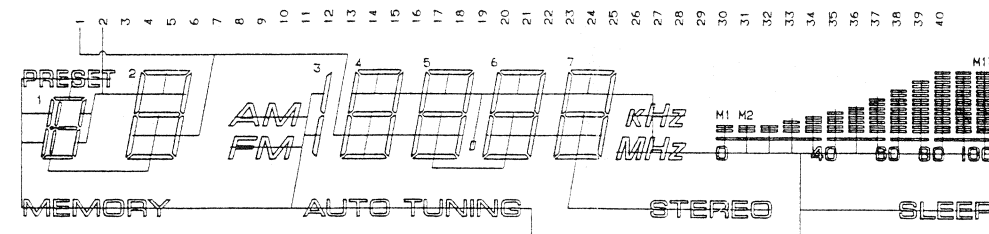
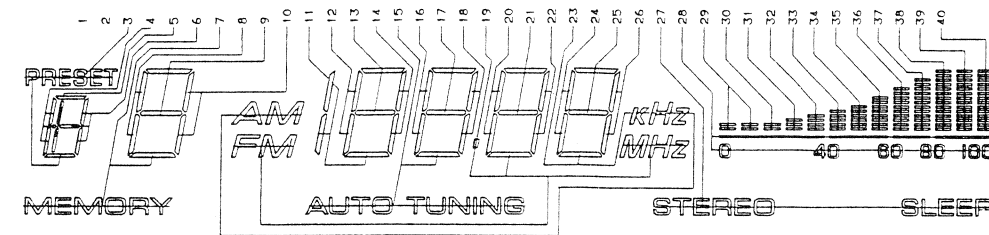
■ PRINTED CIRCUIT BOARD (Foil side)

Note) 文字面 : Component side



DISPLAY DATA

V501: LCD8159B1JP



No.	COM1	COM2	No.	COM1	COM2	No.	COM1	COM2	No.	COM1	COM2
1	—	COM	11	3 bc	4 d	21	6 a	6 g	31	M4	—
2	COM	—	12	4 f	4 e	22	6 b	6 c	32	M5	—
3	PRESET	1 d	13	4 a	4 g	23	AM	7 d	33	M6	—
4	1 ef	1 g	14	4 b	4 c	24	7 f	7 e	34	M7	—
5	1 a	1 ij	15	AUTO TUNING	5 d	25	7 a	7 g	35	M8	—
6	1 bc	1 h	16	5 f	5 e	26	7 b	7 c	36	M9	—
7	MEMORY	2 d	17	5 a	5 g	27	SLEEP	STEREO	37	M10	—
8	2 f	2 e	18	5 b	5 c	28	1)	—	38	M11	—
9	2 a	2 g	19	FM, DP	6 d	29	M1, M2	—	39	M12	—
10	2 b	2 c	20	6 f	6 e	30	M3	—	40	M13	—

1) : 0 40 60 80 100

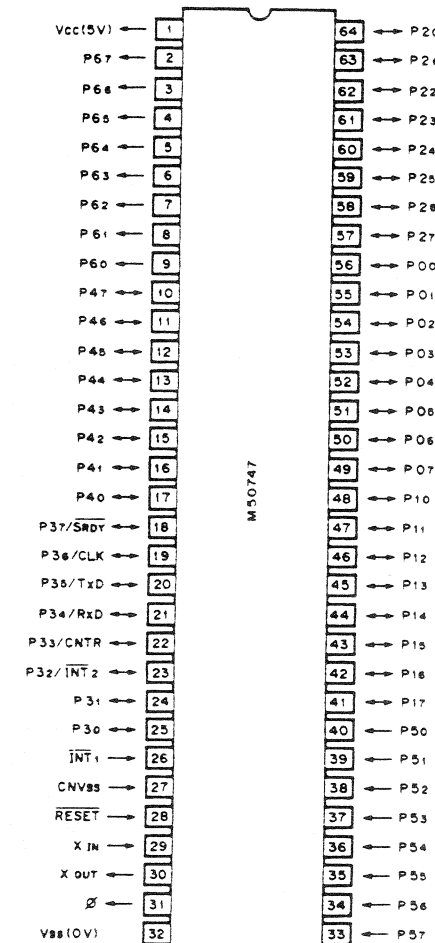


06/50

06/50

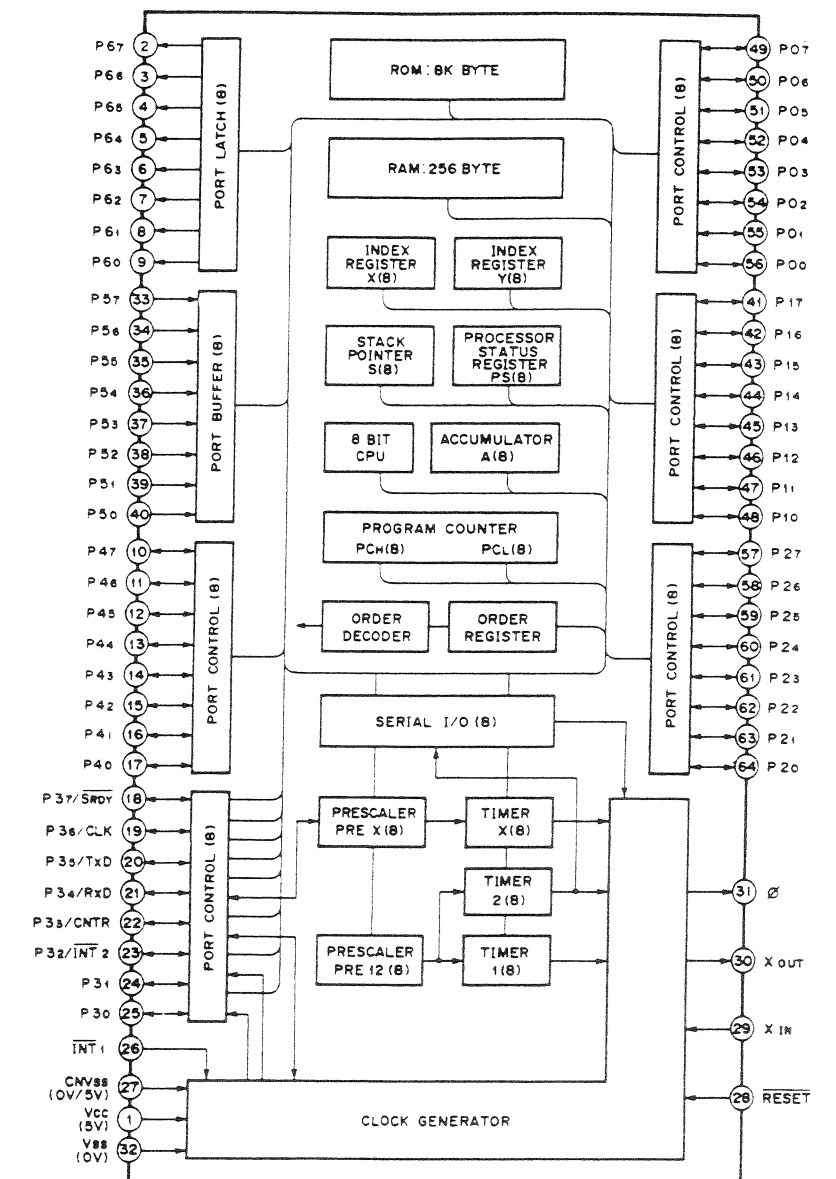
IC DATA

IC305 : M50747
8bit μ -COM



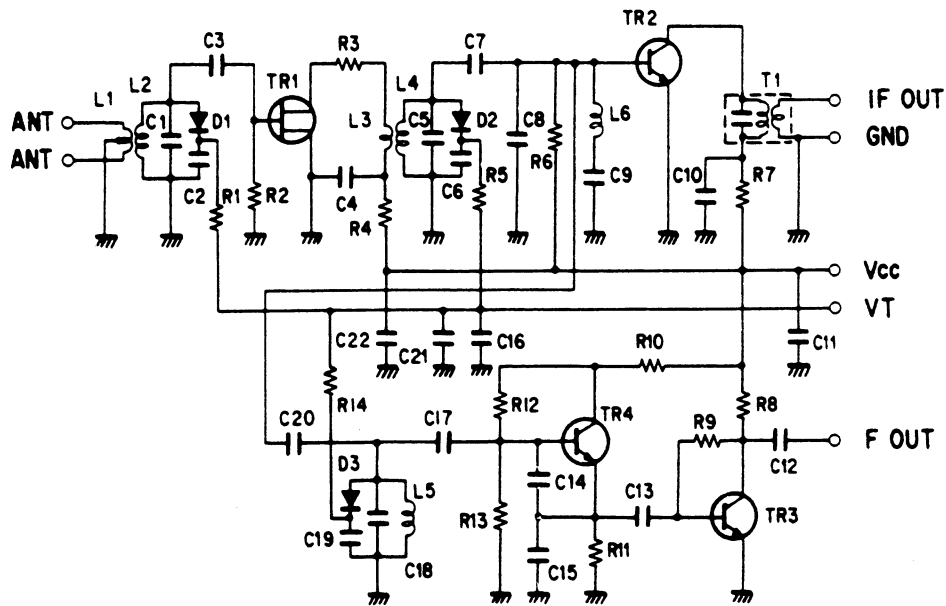
Tuner Market Select (Table A)

A1 (34)	A2 (33)	Market
0	0	J
1	0	A, B, G
0	1	U, C
1	1	R

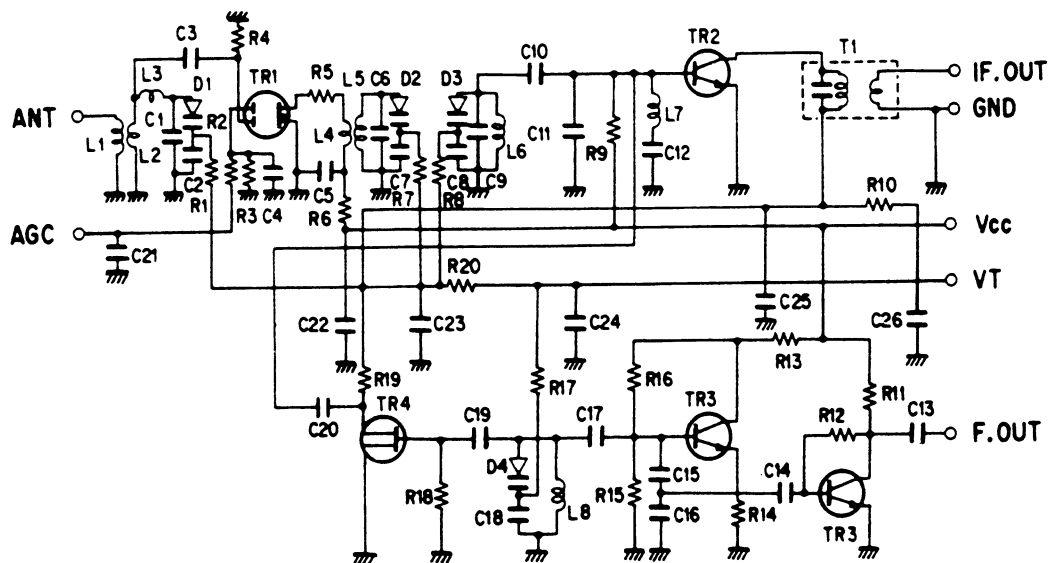


■ FRONT END PACK

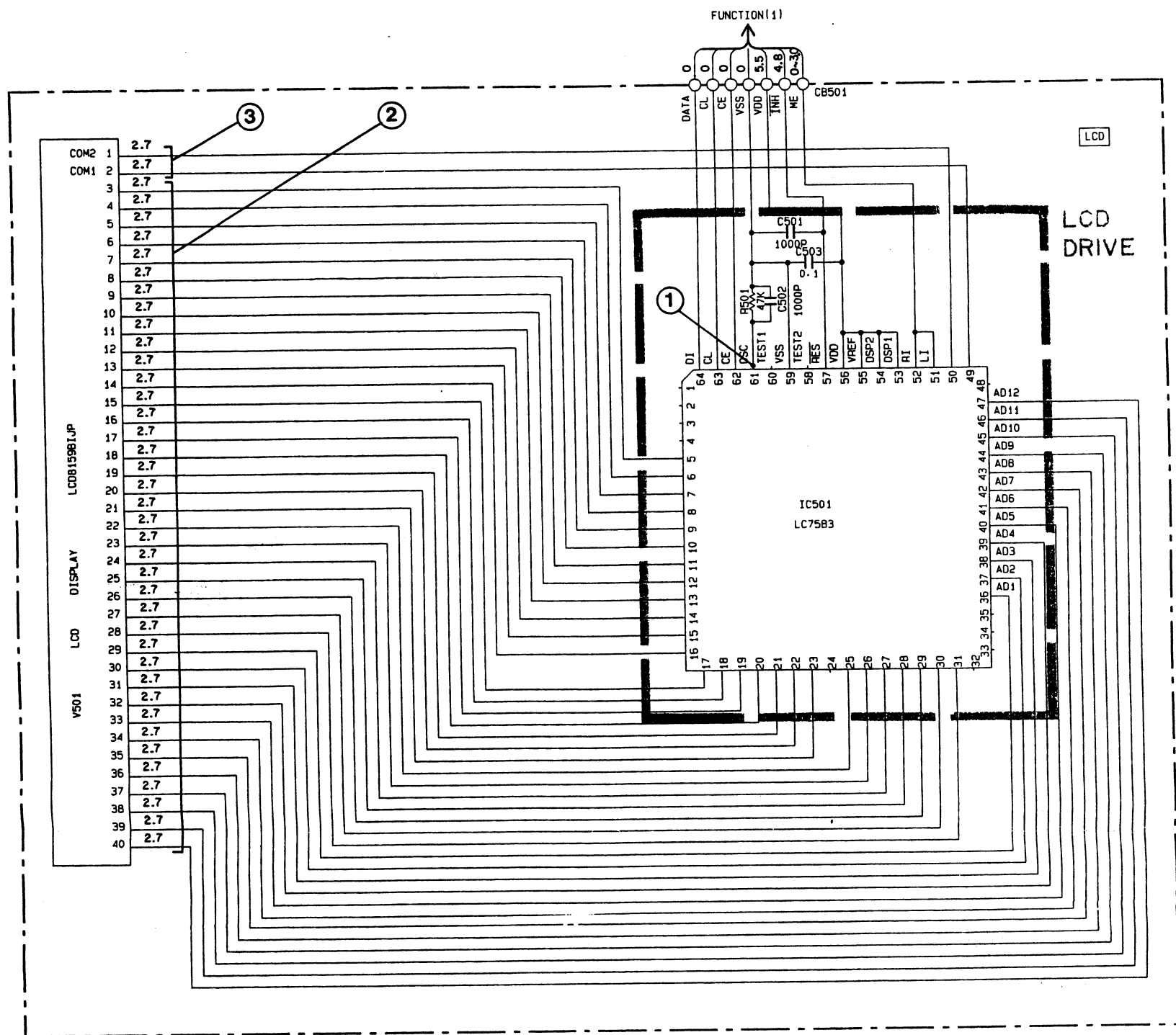
● Except G model



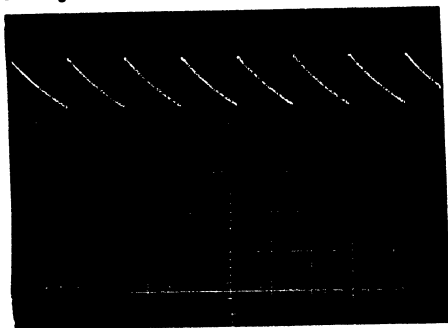
● G model only



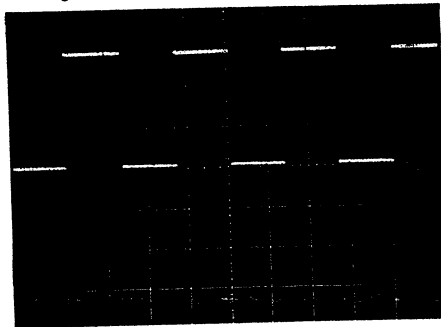
Pin No.	Pin name	Function Name	I/O	Description
1	Vcc	Vcc	—	+5V
2	P67	STBY	O	LED for Stand By
3	P66		O	N.C.
4	P65		O	
5	P64	VRLED	O	LED for Volume, ON/OFF (N.C.)
6	P63	D3	O	KEY DIGIT
7	P62	D2	O	
8	P61	D1	O	
9	P60	D0	O	
10	P47	K3	I	KEY IN
11	P46	K2	I	
12	P45	K1	I	
13	P44	K0	I	
14	P43	PSW	I	POWER SW
15	P42		I/O	N.C.
16	P41		I/O	
17	P40		I/O	
18	P37/SRDY		O	
19	P36/CLK	CL	O	LC7583, Clock
20	P35/TXD	DATA	O	LC7583, Data
21	P34/RXD		I/O	N.C.
22	P33/CNTR	CE	O	LC7583, Chip enable
23	P32/INT2	INH	O	LC7583, Drive OFF
24	P31	Area	O	INITIAL High
25	P30	CLK	O	LC7583, External Clock
26	INT1	REM	I	Remote Control Input
27	CNVSS	CN Vss	—	GND
28	RESET	RES	I	Reset
29	X IN	X IN	—	Clock (8MHz)
30	X OUT	X OUT	—	
31	φ		O	N.C.
32	Vss	Vss	—	GND
33	P57	A2	I	Tuner Market Select (Table A)
34	P56	A1	I	
35	P55	ST	I	Stereo
36	P54	STSIG	I	Stop Signal (Station Detector)
37	P53	STOUT	I	IF Count OK signal
38	P52		I	N.C.
39	P51	REM	I	Remote Control Input
40	P50	PODN	I	Power Down Detect
41	P17	STRQ	O	IF Count Request
42	P16	CE	O	LM7000, Chip enable
43	P15	CL	O	LM7000, Clock
44	P14	DA	O	LM7000, Data
45	P13	MONO	O	Monoural
46	P12	TMUTE	O	Tuner Mute
47	P11	V2	O	Video Select V2 : VCR V1 : LD
48	P10	V1	O	
49	P07	POW	O	Main Relay ON
50	P06	PLO	O	Player RS Control
51	P05	MUTE	O	Muting
52	P04	AMUT	O	N.C. (Audio Mute, -20dB)
53	P03	VLDN	O	Volume Control DOWN UP
54	P02	VLUP	O	
55	P01	ISL	O	Input Selector Control Turn Left Turn Right
56	P00	ISR	O	
57	P27	CAM	I	Input Selector, Timing
58	P26	S1	I	Input Selector, Position Detect
59	P25	S2	I	
60	P24	S3	I	
61	P23	S4	I	
62	P22	S5	I	
63	P21	S6	I	
64	P20	S7	I	



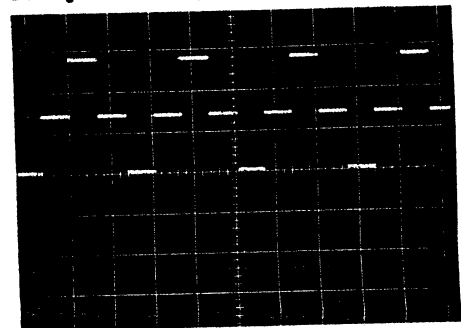
Point ①: OSC
(Pin 61 of IC501)
V : 2V/div H : 20μsec/div
DC range 1 : 1 probe



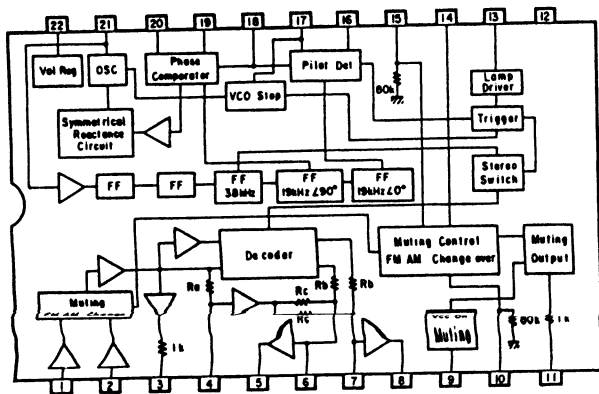
Point ②
(Pin 5 to 23 of IC501, Pin 25 to 31 of IC501,
Pin 36 to 47 of IC501)
V : 2V/div H : 5msec/div
DC range 1 : 1 probe



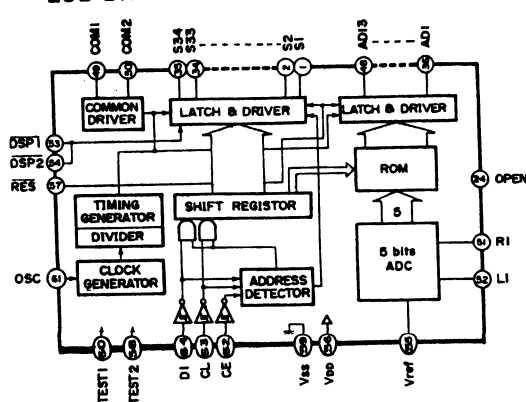
Point ③: COM 1 and COM 2
(Pin 49 and 50 of IC501)
V : 2V/div H : 5msec/div
DC range 1 : 1 probe



IC3 : LA3401
MPX



IC501 : LC7583
LCD Driver



- * All voltage 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 & LCD)

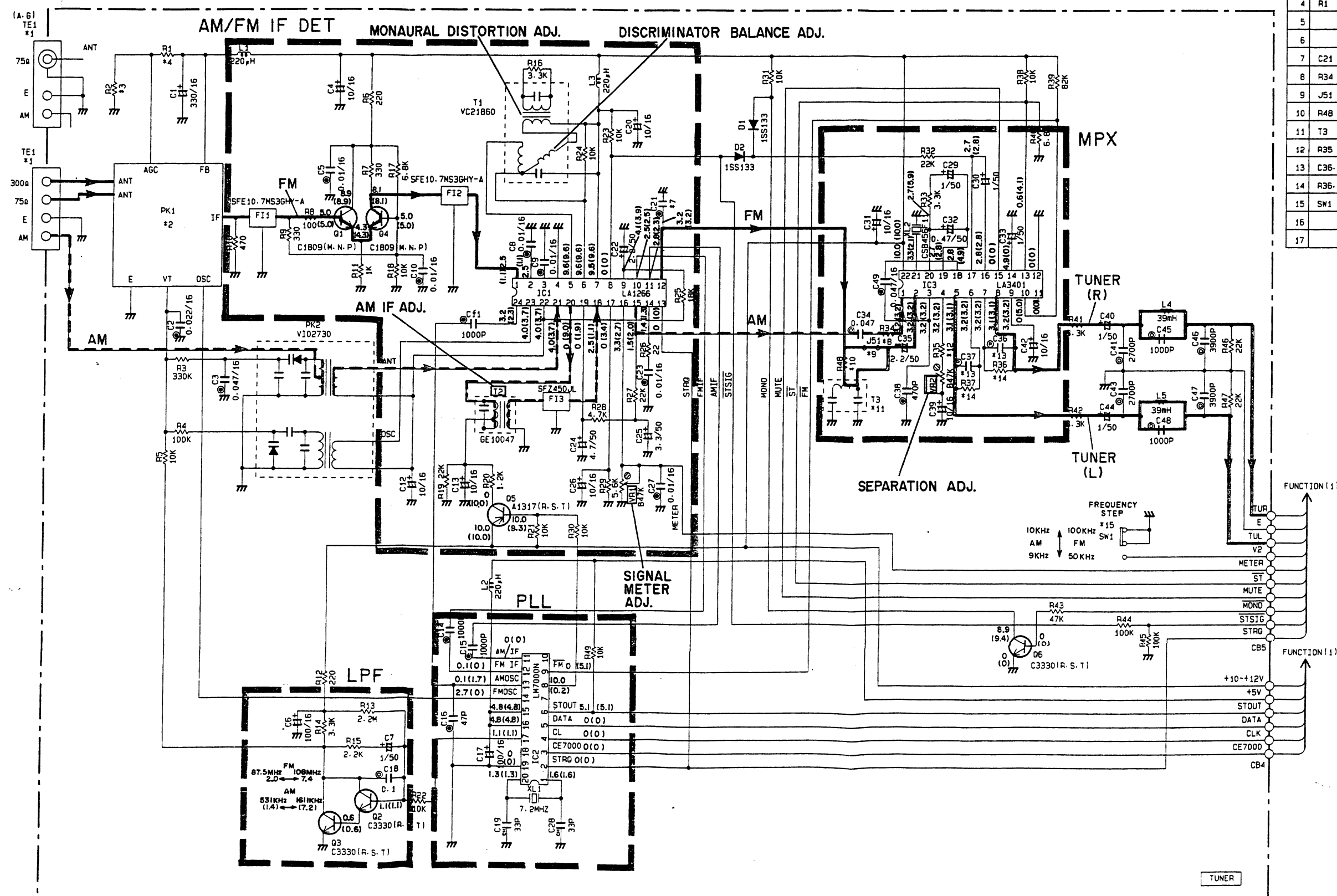
Each voltage given here represents that in the FM (88MHz, STEREO) reception mode but the one in the parentheses () is that in the AM (1404kHz) reception mode.

RESISTOR	
REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (1/6W)
□	CARBON FILM RESISTOR (1/4W)
△	METAL OXIDE FILM RESISTOR
▲	METAL FILM RESISTOR
⊠	METAL PLATE RESISTOR
■	FIRE PROOF CARBON FILM RESISTOR
□	CEMENT MOLDED RESISTOR
⊙	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

CAPACITOR	
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
⊙	AXIAL LEAD CERAMIC CAPACITOR
⊖	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
①	MICA CAPACITOR
⊖	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

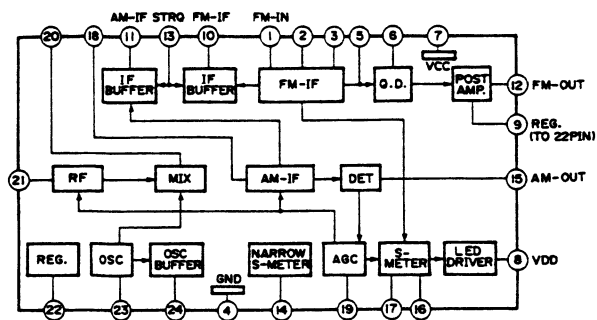
NOTICE
(J)..... Japanese model
(U)..... U.S.A model
(C)..... Canadian model
(A)..... Australian model
(G)..... European model
(B)..... British model
(R)..... General model
(P)..... RP model

#		U.C	R	A	B	G
1	TE1	VA84590		LA00580	VA84590	LA00580
2	PK1	VK20850				VC21940
3	R2	OPEN				390K
4	R1	OPEN				470K
5						
6						
7	C21	100P				OPEN
8	R34	10K				22K
9	J51	SHORT				OPEN
10	R48	OPEN				4.7K
11	T3	OPEN				GE20053
12	R35	22K				SHORT
13	C36-37	680P/100		470P/100		390P/100
14	R36-37	100K				120K
15	SW1	OPEN	VF54120	OPEN		
16						
17						

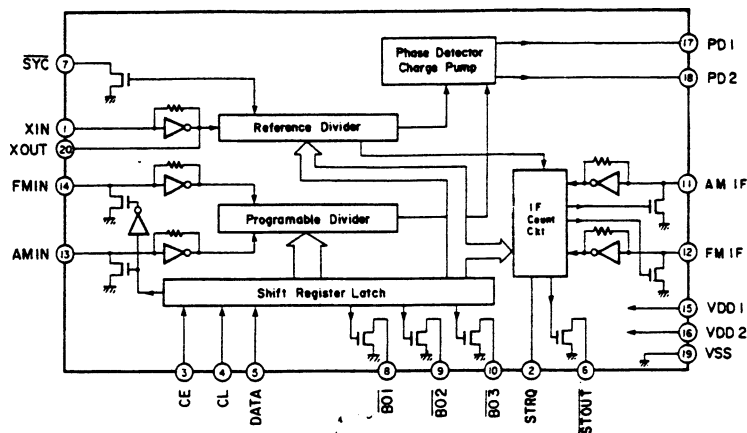


	LAST NO.
C	49
F	49
Q	6
D	2
IC	3

IC1 : LA1266
AM/FM IF



IC2 : LM700N
PLL Controller



PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICS.

<p>2SA1317(R,S,T) 2SC1809(M,N,P) 2SC3330(R,S,T)</p>	<p>1SS133</p>	<p>LM7000N</p>	<p>LA3401</p>	<p>LA1266</p>	<p>LC7583</p>
---	---------------	----------------	---------------	---------------	---------------

- * All voltage 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.

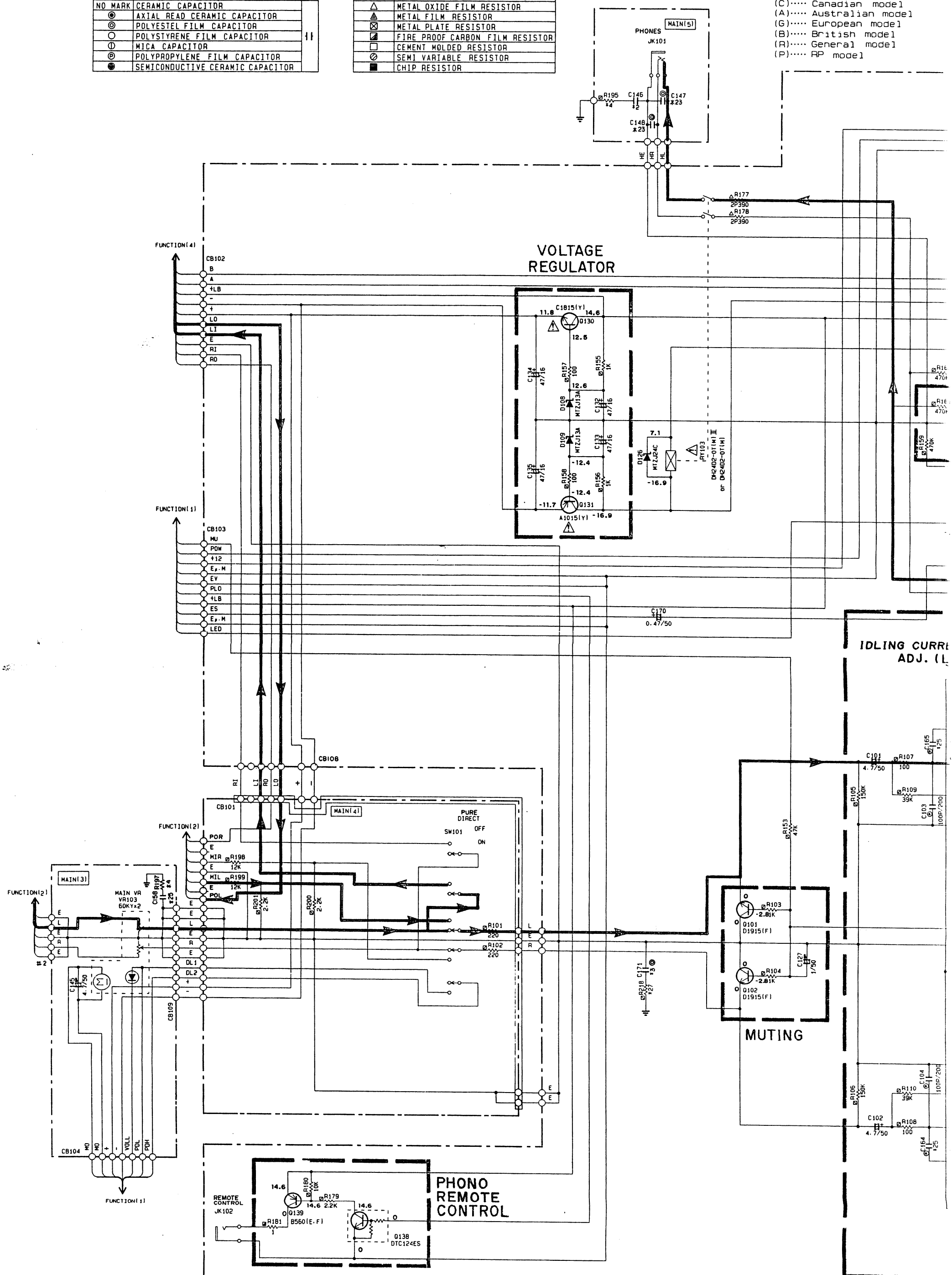
PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICS.

<p>2SA970(GR,BL) 2SA1015(Y) 2SA1145(O,Y) 2SB560(E,F) 2SC1815(Y) 2SC2240(GR,BL) 2SC2603(E,F) 2SC2705(O,Y) 2SD1915(F) DTC124ES</p>	<p>2SC2577(O,P,Y) 2SA1492(O,Y) 2SC3856(O,Y)</p>	<p>2SA1358 2SC3421</p>	<p>1SS176 1SS133 1SR139-100T32 MA185 MTZJ3.0A MTZJ13A MTZJ24C</p>	<p>RB402 S4VB20</p>
--	---	----------------------------	---	-------------------------

RESISTOR	
REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (1/6W)
<input checked="" type="checkbox"/>	CARBON FILM RESISTOR (1/4W)
<input type="checkbox"/>	METAL OXIDE FILM RESISTOR
<input type="checkbox"/>	METAL FILM RESISTOR
<input checked="" type="checkbox"/>	METAL PLATE RESISTOR
<input checked="" type="checkbox"/>	FIRE PROOF CARBON FILM RESISTOR
<input type="checkbox"/>	CEMENT MOLDED RESISTOR
<input checked="" type="checkbox"/>	SEMI VARIABLE RESISTOR
<input type="checkbox"/>	CHIP RESISTOR

NOTICE

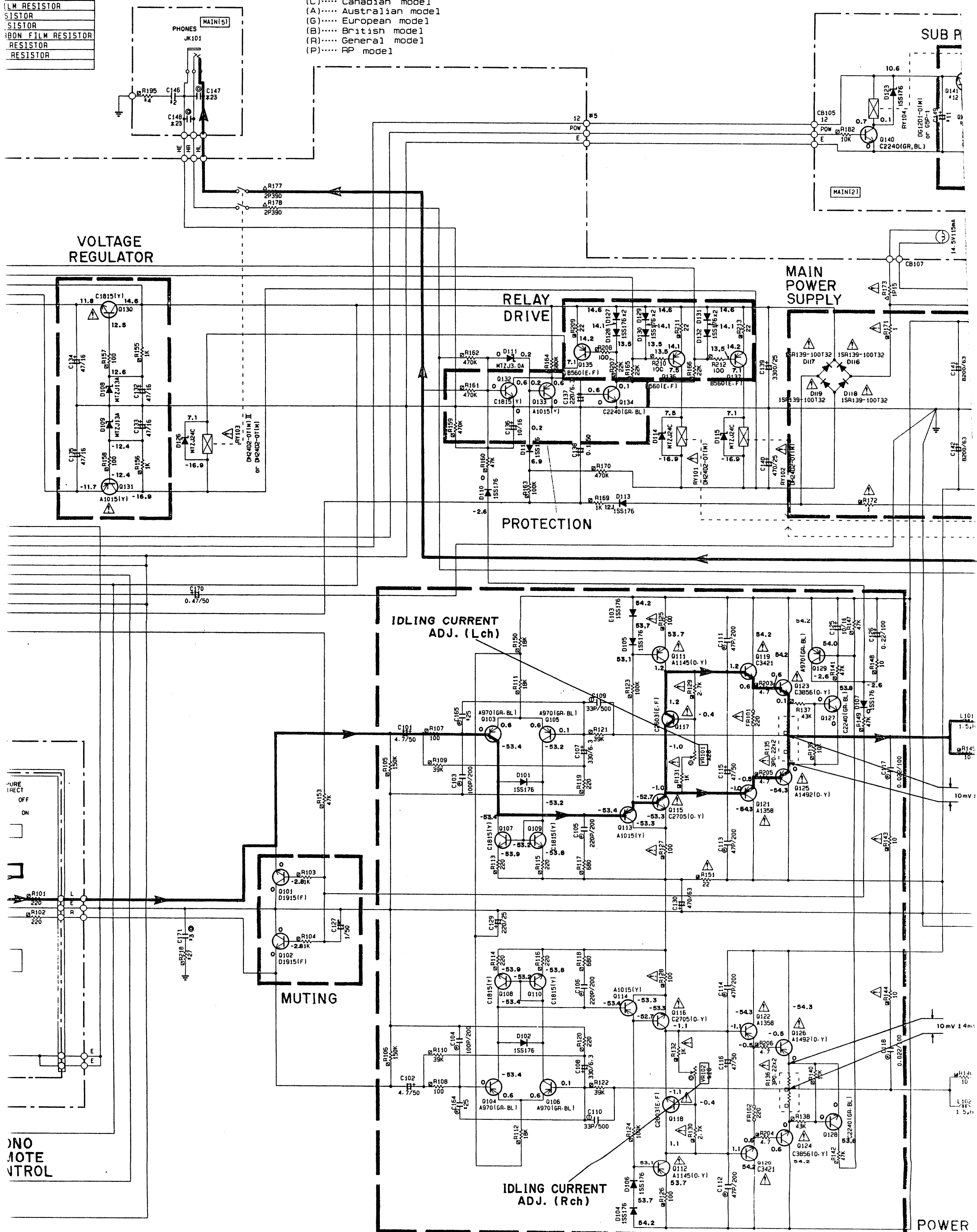
(J)..... Japanese model
(U)..... U. S. A model
(C)..... Canadian model
(A)..... Australian model
(G)..... European model
(B)..... British model
(R)..... General model
(P)..... RP model



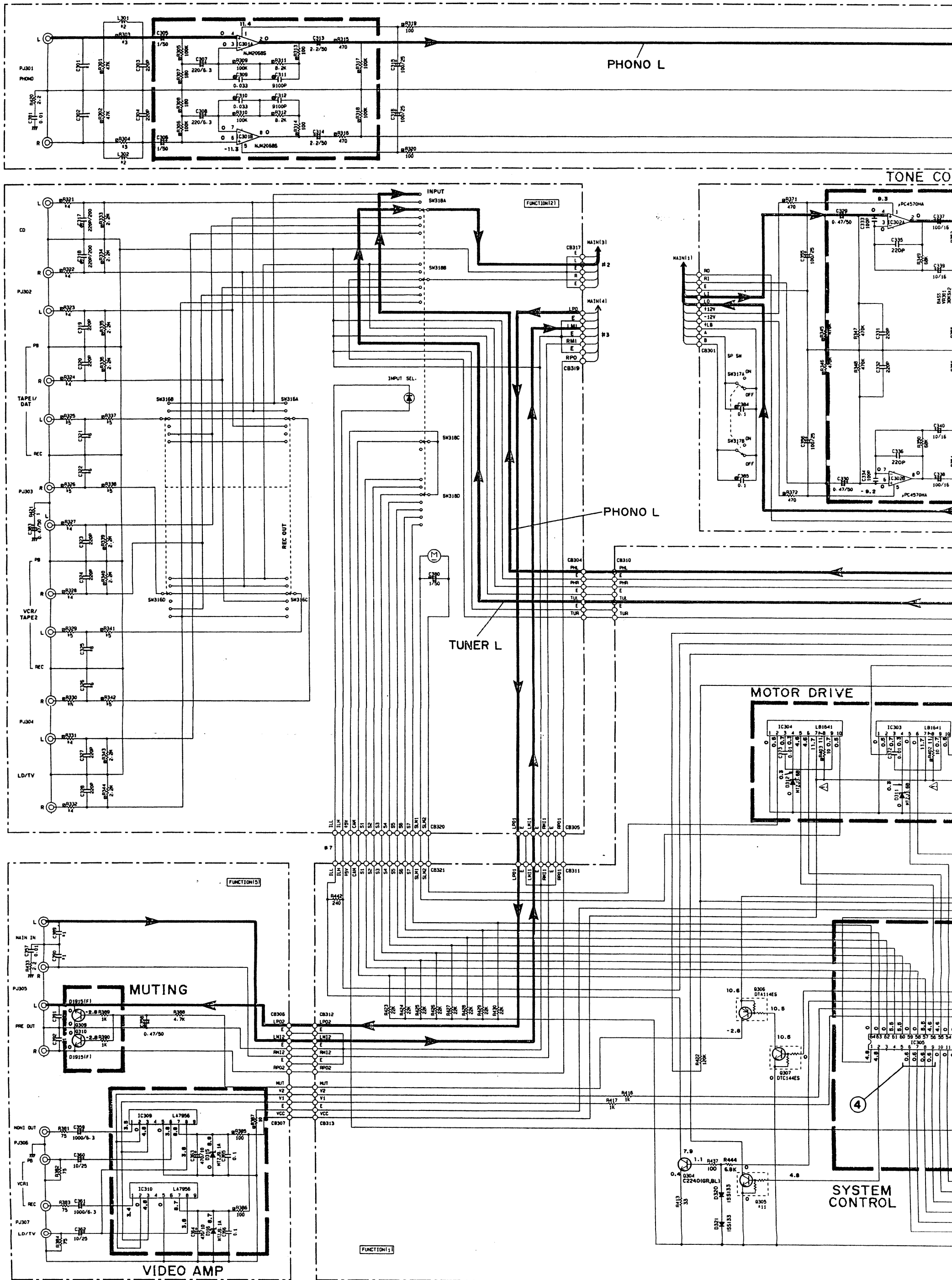
NAME
RESISTOR (1/6W)
RESISTOR (1/4W)
FLM RESISTOR
SISTOR
SISTOR
PHON FILM RESISTOR
RESISTOR
RESISTOR

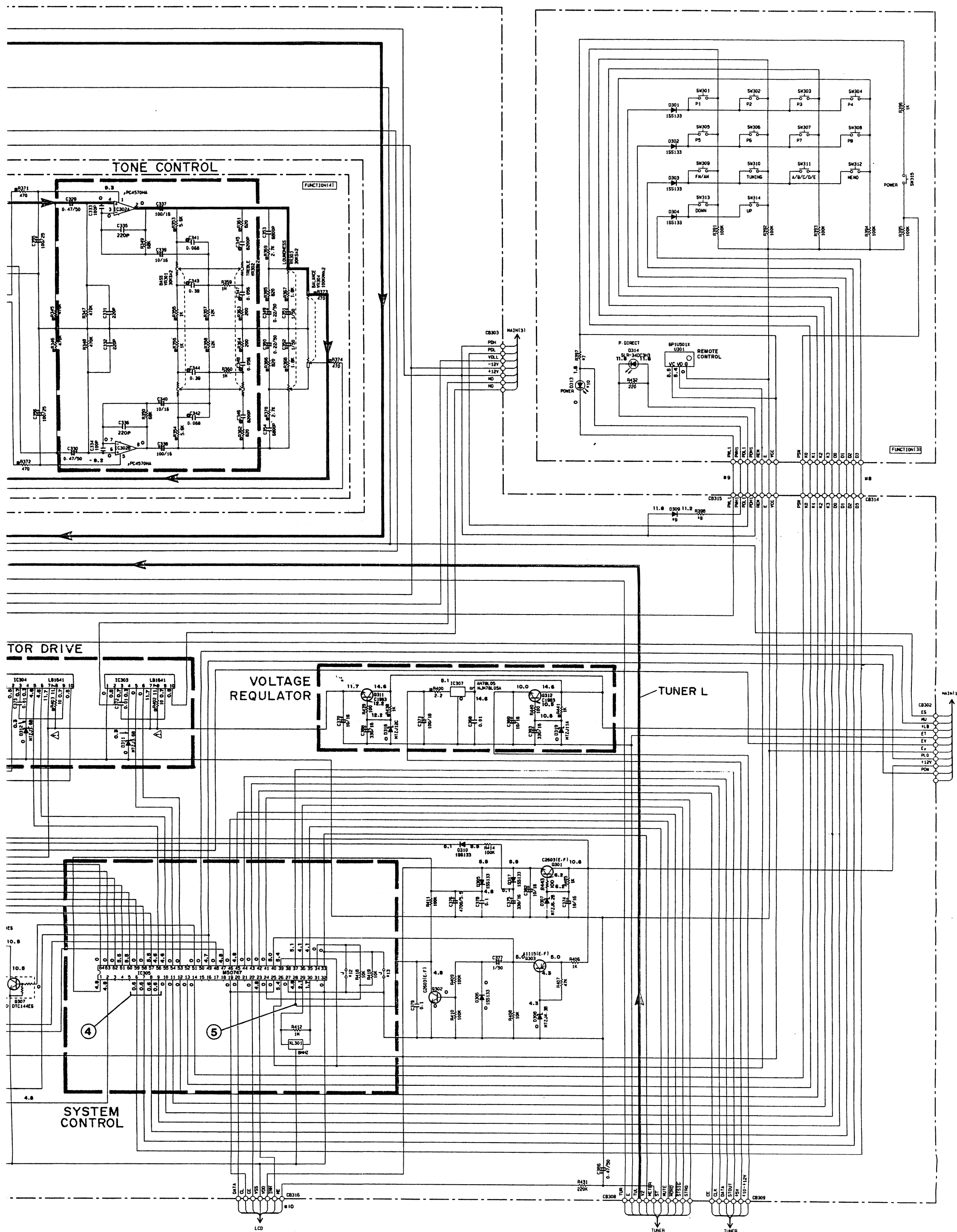
NOTICE

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



■ SCHEMATIC DIAGRAM (FUNCTION) PHONO MM EQ AMP





A		U.C	R	A.B	S
1	C301-302-309-392	OPEN			220P
2	L301-302	OPEN			220μH
3	R303-304	47			2.2K
4	R321-324-327-328 331-332	SHORT			100
5	R325-326-329-330 337-338-341-342	SHORT			220
6	C321-322-325-326	100P			220P
7	R397	OPEN			1.5K
8	R398	OPEN			3.6K
9	Q309	OPEN			19S133
10	D313	OPEN			SLR-34VC343
11	Q309	OPEN			DTC114ES
12	J	SHORT	OPEN		
13	J	OPEN		SHORT	
14					
15					

RESISTOR

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (1/6W)
□	CARBON FILM RESISTOR (1/4W)
△	METAL OXIDE FILM RESISTOR
▲	METAL FILM RESISTOR
⊗	METAL PLATE RESISTOR
⊠	FIRE PROOF CARBON FILM RESISTOR
□	CEMENT MOLDED RESISTOR
⊙	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

CAPACITOR

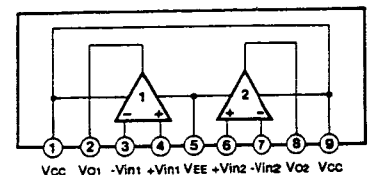
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
●	AXIAL LEAD CERAMIC CAPACITOR
⊙	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
①	NICA CAPACITOR
⊕	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

	LAST NO.
C	393
R	442
Q	312
D	319
IC	310

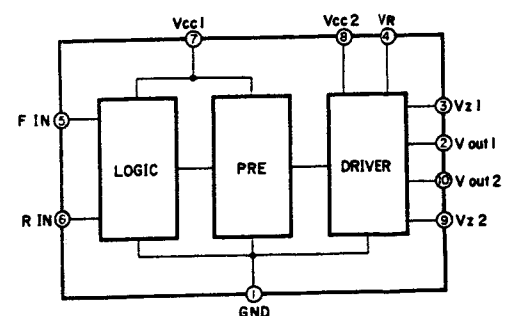
NOTICE

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

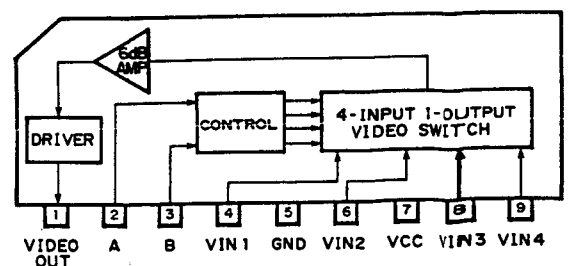
IC301 : NJM2068S
 IC302 : μPC4570HA
 Dual Ope-amp



IC303, 304 : LB1641
 Motor Drive



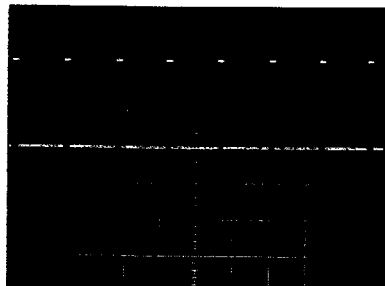
IC309, 310 : LA7956
 Video Switch



Point ④: D0 to D3

(Pin 6 to 9 of IC305)

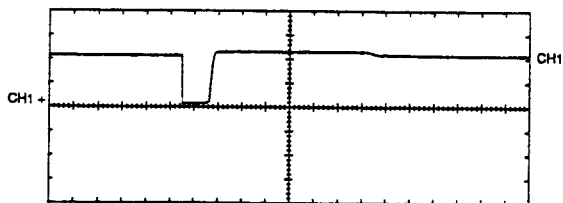
V : 2V/div H : 10msec/div
DC range 1 : 1 probe



Point ⑤: RES

(Pin 28 of IC305)

V : 2V/div H : 200msec/div
DC range 1 : 1 probe



When the power cord is
connected to AC outlet.

When the power cord is
disconnected from AC
outlet.

Note : When the power switch ON/OFF
will produce the above waveform.

PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICs.

2SA1115(E,F) 2SC2603(E,F) 2SD1915(F) DTC144ES DTA114ES DTC114ES 	2SC1983 	AN78L05 NJM78L05A 	1SS133 MTZJ3.6B MTZJ4.3B MTZJ6.2B MTZJ9.1A MTZJ11A MTZJ12C 	NJM2068S LA7956 	μPC4570HA 	LB1641 	M50747
--	-------------	--------------------------	--	------------------------	---------------	------------	------------

- * All voltage 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.

PARTS LIST

■ WARNING

RX-750

Components having special characteristics are marked Δ 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 parts No. of the carbon resistors, refer to P. 42.

■ ELECTRICAL PARTS

Ref. No.	PART NO.	Description	部 品 名	Remarks	Markets	ランク
	VK520300	FUNCTION CIRCUIT BOARD	ファンクションシート			
	VK520200	FUNCTION CIRCUIT BOARD	ファンクションシート		U.C.	
	VK520500	FUNCTION CIRCUIT BOARD	ファンクションシート		G.	
	VK520400	FUNCTION CIRCUIT BOARD	ファンクションシート		A.B.	
	FA153820	MYLAR FILM CAP 8200nF 50V	マイラーコン	C345, 346		
	FA153910	MYLAR FILM CAP 9100nF 50V	マイラーコン	C311, 312		
	FA154500	MYLAR FILM CAP 0.056uF 50V	マイラーコン	C347, 348		
	FA154080	MYLAR FILM CAP 0.068uF 50V	マイラーコン	C341, 312		
	FA154330	MYLAR FILM CAP 0.33uF 50V	マイラーコン	C309, 310		
	FA155309	MYLAR FILM CAP 0.39uF 50V	マイラーコン	C343, 344		
	VK398700	MULTILAYER MYLAR FILM CAP 0.1uF 50V	積層マイラーコン	C384, 385		
	VK534000	POLYPROPYLENE FILM CAP 220nF 200V	P.Pコン	C317, 318		
	FG212100	CERAMIC CAP 100nF 50V	セラコン	C333, 334		
	FG212220	CERAMIC CAP 220nF 50V	セラコン	C303, 304, 331, 332, 319, 320, 323, 324, 327, 328, 335, 336		
	FG212220	CERAMIC CAP 220nF 50V	セラコン	C301, 302, 389, 392	G	
	FG212100	CERAMIC CAP 100nF 50V	セラコン	C321, 322, 325, 326	U.C.R.A.B	
	FG212220	CERAMIC CAP 220nF 50V	セラコン	C321, 322, 325, 326	G	
	FG213680	CERAMIC CAP 6800pF 50V	セラコン	C353, 354		
	FG244100	CERAMIC CAP 0.01uF 50V	セラコン	C357, 368, 372, 373, 381		
	VF611200	MULTILAYER CERAMIC CAP 0.1uF 50V	積層セラコン	C365, 366, 378, 379		
	VG286300	ELECTROLYTIC CAP 220uF 6.3V	ケミコン	C307, 308		
	VG286600	ELECTROLYTIC CAP 1000uF 6.3V	ケミコン	C359, 361		
	VG287100	ELECTROLYTIC CAP 470uF 10V	ケミコン	C363, 364		
	VG287200	ELECTROLYTIC CAP 10uF 10V	ケミコン	C374, 382, 339, 340, 369, 370		
	VG287600	ELECTROLYTIC CAP 100uF 16V	ケミコン	C371, 337, 338		
	VG287800	ELECTROLYTIC CAP 330uF 16V	ケミコン	C375, 388, 393		
	VG288500	ELECTROLYTIC CAP 10uF 25V	ケミコン	C360, 362		
	VG288900	ELECTROLYTIC CAP 100uF 25V	ケミコン	C315, 316, 355, 356		
	VG290100	ELECTROLYTIC CAP 0.22uF 50V	ケミコン	C349, 350		
	VG290300	ELECTROLYTIC CAP 0.47uF 50V	ケミコン	C320, 330, 386, 383		
	VG290500	ELECTROLYTIC CAP 1uF 50V	ケミコン	C305, 306, 351, 352, 377		
	VG290600	ELECTROLYTIC CAP 2.2uF 50V	ケミコン	C313, 314		
	HK565470	ELECTROLYTIC CAP 0.47uF 50V	ビドケミコン	C358		
	HK166100	ELECTROLYTIC CAP 1uF 50V	ビドケミコン	C380		
	VR170100	ELECTROLYTIC CAP 4.7mF 5.5V	バックアップケミコン	C376		
	VR056900	COIL 220uH	コイル	L301, 302	G	
	HV453220	FLAME PROOF CARBON RESISTOR 2.2 Ω 1/4W	不燃化カーボン抵抗	R400		
	HV451100	FLAME PROOF CARBON RESISTOR 10 Ω 1/4W	不燃化カーボン抵抗	R387, 402, 403		Δ
	HV455100	FLAME PROOF CARBON RESISTOR 100 Ω 1/4W	不燃化カーボン抵抗	R319, 320, 385, 386		
	HV455470	FLAME PROOF CARBON RESISTOR 470 Ω 1/4W	不燃化カーボン抵抗	R371, 372		
	XA056A00	IC NJM2068S	IC	IC301		
	XB247A00	IC uPC4570HA	IC	IC302		
	XF494A00	IC LB1641	IC	IC303, 304		
	YD000510	IC NJM78L05A	IC	IC307		
	XH436A00	IC LA7956	IC	IC309, 310		
	Y1801C00	IC M50747-XXX	IC	IC305		
	VF026500	LIGHT DETECTING MODULE GP1U501X	リモコン受光ユニット	H301		

※ New Parts (新規部品)

ランク : Japan only

Ref. NO.	PART NO.	Description	部 品 名	Remarks	Markets	ランク
	VJ779400	ROTARY SWITCH	ロータリーSW	SW318		
	VJ786400	ROTARY SWITCH	ロータリーSW	SW316		
	KA906380	PUSH SWITCH	プッシュSW	SW301-315		
	VK475500	PUSH SWITCH	プッシュSW	SW317		
	LR202260	PIN JACK	ピンジャック	PJ301		
	LB401030	PIN JACK	ピンジャック	PJ302,304		
	LB401040	PIN JACK	ピンジャック	PJ303,305		
	VG217400	PIN JACK	ピンジャック	PJ306,307		
	V1378300	SOCKET	MQコネクタソケット	CB307		
	V1378500	SOCKET	MQコネクタソケット	CB304-306		
	VA252300	CONNECTOR	MQコネクタ	CB313		
	V1377600	BASE PIN	ベースピン	CB309		
	VB904800	CONNECTOR	MQコネクタ	CB303,310-312		
	V1378000	BASE PIN	ベースピン	CB308		
	VK216500	PLUG	F-J-L プラグ	CB301,302		
	VD004800	BASE PIN	ベースピン	CB317		
	VD005000	BASE PIN	ベースピン	CB315,316,319		
	VD005200	BASE PIN	ベースピン	CB314		
	VK485000	CONNECTOR	FPC用コネクタ	CB320		
	VK492500	WAFER	サボーテングウェハー	CB321		
	VB657100	CERAMIC RESONATOR	セラミック共振子	XL301		
	VK695800	POTENTIOMETER	25KΩ	VR302		
	VK696000	POTENTIOMETER	30KΩ	VR301		
	VK314700	POTENTIOMETER	100KΩ	VR304		
	VK314800	POTENTIOMETER	30KΩ	VR303		
	IA111510	TRANSISTOR	2SA1115 E,F	Q303		
	IC224030	TRANSISTOR	2SC2240 GR,BL	Q304		
	IC260320	TRANSISTOR	2SC2603 E,F	Q301,302		
	VK432900	TRANSISTOR	2SD1915 (F) ST	Q309,310		
	IC198300	TRANSISTOR	2SC1983	Q311,312		
	VG722000	DIGITAL TRANSISTOR	DTC144ES	Q307		
	VD678500	DIGITAL TRANSISTOR	DTA114ES	Q306		
	VD678700	DIGITAL TRANSISTOR	DTC114ES	Q305		
	IF004800	DIODE	1SS133 T-77	D301-306,310,317,320,321		
	IF004000	DIODE	1SS133 T-77	D309		
	VG436400	ZENER DIODE	HTZJ3.68	D311,312		
	VG436900	ZENER DIODE	HTZJ4.38	D308		
	VG438000	ZENER DIODE	HTZJ6.28	D307		
	VG439100	ZENER DIODE	HTZJ9.1A	D315,316		
	VG439800	ZENER DIODE	HTZJ11A	D319		
	VG440300	ZENER DIODE	HTZJ12C	D318		
	VF402500	LED	SLR-34VC3H3	D314		
	VF013000	LED	SLR-34VC3H3	D313		
	VR905000	PIN	1MSA-6024			
	VK492600	CABLE	13P	HCUジョイナー		

※New Parts (新規部品)

ランク: Japan only

Ref. NO.	PART NO.	Description	部 品 名	Remarks	Markets	ランク
	VK520100	LCD CIRCUIT BOARD	LCDシート			
	VF407000	CERAMIC CAP	1000pF 50V	C501,502		
	VJ509100	CERAMIC CAP	0.1uF 50V	C503		
	XB764A00	IC	LC7583 IC	IC501		
	VB858000	BASE PIN	PH L-TYPE 7P SE	CB501		
	VJ805600	LCD	LCD 815981JP	V501		
	VJ835300	LAMP	1.7W 115mA L=100			
	VK235400	REFLECTOR	リフレクタ LCD			
	VK235500	SHEET, LCD	シート LCD			
	VF444500	LAMP CAP	AG-4015			
	CB005620	PLASTIC RIVET	NO.1057	ブラリベット		
	VK537300	MAIN CIRCUIT BOARD	メインシート			
	VK537600	MAIN CIRCUIT BOARD	メインシート			
	VK537400	MAIN CIRCUIT BOARD	メインシート			
	VK537200	MAIN CIRCUIT BOARD	メインシート			
	VK537500	MAIN CIRCUIT BOARD	メインシート			
	VK533800	POLYPROPYLENE FILM CAP	47pF 200V	PPコン	C111-114	
	VK533900	POLYPROPYLENE FILM CAP	100pF 200V	PPコン	C103,104	
	VK534000	POLYPROPYLENE FILM CAP	220pF 200V	PPコン	C105,106	
	VK534000	POLYPROPYLENE FILM CAP	220pF 200V	PPコン	C164,165	
	VK534100	POLYPROPYLENE FILM CAP	0.01uF 100V	PPコン	C119-122,162,163	
	VK534200	POLYPROPYLENE FILM CAP	0.022uF 100V	PPコン	C117,118	
	VK534200	POLYPROPYLENE FILM CAP	0.022uF 100V	PPコン	C123,124	
	VK534400	POLYPROPYLENE FILM CAP	0.047uF 100V	PPコン	C143,144	
	FA985300	CERAMIC CAP	0.01uF 400V	規格認定コン	C157	
	FI514100	CERAMIC CAP	0.01uF VA-1	スパークキラーコン	C157	
	FI553100	CERAMIC CAP	1000pF 50V	セラコン	C158,172	
	FI554100	CERAMIC CAP	0.01uF 50V	セラコン	C152	
	FG244100	CERAMIC CAP	0.01uF 50V	セラコン	C146	
	FA154220	MYLAR FILM CAP	0.022uF 50V	マイラーコン	C171	
	FA154220	MYLAR FILM CAP	0.022uF 50V	マイラーコン	C159	
	FA154100	MYLAR FILM CAP	0.01uF 50V	マイラーコン	C147,148	
	UH195220	ELECTROLYTIC CAP	0.22uF 100V	ケミコン	C126	
	VG287200	ELECTROLYTIC CAP	10uF 16V	ケミコン	C136,125	
	VG287200	ELECTROLYTIC CAP	10uF 16V	ケミコン	C149,150	
	VG287500	ELECTROLYTIC CAP	47uF 16V	ケミコン	C132-135	
	VG290000	ELECTROLYTIC CAP	0.1uF 50V	ケミコン	C138	
	VG290300	ELECTROLYTIC CAP	0.47uF 50V	ケミコン	C170	
	VG289200	ELECTROLYTIC CAP	470uF 25V	ケミコン	C140	
	VK347900	ELECTROLYTIC CAP	470uF 63V	ケミコン	C151	
	VG289200	ELECTROLYTIC CAP	470uF 25V	ケミコン	C151	
	VG289400	ELECTROLYTIC CAP	3300uF 25V	ケミコン	C139	
	VE018800	ELECTROLYTIC CAP	220uF 25V	ケミコン	C129	
	VE020100	ELECTROLYTIC CAP	4.7uF 50V	ケミコン	C101,102	
	VE020500	ELECTROLYTIC CAP	47uF 50V	ケミコン	C115,116	
	UV678470	ELECTROLYTIC CAP	470uF 63V	ケミコン	C130	
	VI531400	ELECTROLYTIC CAP	220uF 6.3V	ケミコン	C137	

※New Parts (新規部品)

ランク: Japan only

Ref. NO.	PART NO.	Description	部 品 名	Remarks	Markets	ランク
	V1531500	ELECTROLYTIC CAP	330uF 6.3V	ケミコン	C107,108	
	VK574500	ELECTROLYTIC CAP	8200uF 63V	ケミコン	C141,142	
	UK166100	ELECTROLYTIC CAP	1uF 50V	B P ケミコン	C127	
	UK166470	ELECTROLYTIC CAP	4.7uF 50V	B P ケミコン	C145	
	FU451330	WCA CAP	33uF 500V	マイカコン	C109,110	
	XC084A00	POWER TRANSFORMER		電源トランス	TJ01	A,B,G
	XC083A00	POWER TRANSFORMER		電源トランス	TJ01	U.C
	XC082A00	POWER TRANSFORMER		電源トランス	TJ01	R
	VC793700	COIL	1.5uH	空芯コイル	L101,102	
	HW453100	FLAME PROOF CARBON RESISTOR	1 Ω 1/4W	不燃化カーボン抵抗	R171,172,181	
	HW453470	FLAME PROOF CARBON RESISTOR	4.7 Ω 1/4W	不燃化カーボン抵抗	R214,215	G
	HW453470	FLAME PROOF CARBON RESISTOR	4.7 Ω 1/4W	不燃化カーボン抵抗	R203,206	
	HW454100	FLAME PROOF CARBON RESISTOR	10 Ω 1/4W	不燃化カーボン抵抗	R143,146	
	HW454220	FLAME PROOF CARBON RESISTOR	22 Ω 1/4W	不燃化カーボン抵抗	R151,209,211,213	
	HW455100	FLAME PROOF CARBON RESISTOR	100 Ω 1/4W	不燃化カーボン抵抗	R125-128	
	HW456100	FLAME PROOF CARBON RESISTOR	1K Ω 1/4W	不燃化カーボン抵抗	R131,132	
	HW456270	FLAME PROOF CARBON RESISTOR	2.7K Ω 1/4W	不燃化カーボン抵抗	R129,130	
	HL314150	METAL OXIDE RESISTOR	15 Ω 1W	酸化金属被膜抵抗	R173	
	HL325390	METAL OXIDE RESISTOR	390 Ω 2W	酸化金属被膜抵抗	R177	
	VJ695400	WIRE WOUND RESISTOR	0.22 Ω x2 3W	セメント抵抗	R135,136	
	VK188200	FUSABLE RESISTOR	220 Ω 1/4W	ヒューズ抵抗	FR101,102	
	VA961800	VOLTAGE SELECTOR	ESE-37247-F	電圧切替器	SW104	R
	VK475400	PUSH SWITCH	SPUL12	プッシュ SW	SW101	
	KB001280	FUSE	6A 250V	ヒューズ	F101	R
	KB001250	FUSE	6A 250V	ヒューズ	F101	U.C
	KB000750	FUSE	T2A 250V	ヒューズ	F101	A,B,G
	KB000690	FUSE	2.5A 250V	ヒューズ	F102	G
	KB000360	FUSE	3A 250V	ヒューズ	F103	R
	KC001940	RELAY	DI124D2-OT (W)	リレー	RY101,102	
	VD506000	RELAY		リレー	RY104	
	VK438300	RELAY	DI124D2-OT (W)-11	リレー	RY103	
	VK506200	SPEAKER TERMINAL	1T-51K	スピーカターミナル	TE101	G
	VK506100	SPEAKER TERMINAL	1T-51K	スピーカターミナル	TE101	U.C,R,A,B
	VK480700	AC OUTLET		A C アウトレット	JK103	G
	VK480600	AC OUTLET		A C アウトレット	JK103	U.C,R
	LB301720	PHONES JACK	M1069-A	ホンジャック	JK101	
	VJ720800	MIXTURE JACK, MONIARAL		モノラル ミニジャック	JK102	
	VE225700	BASE PIN	2P P=7.5	ベースポスト	TE102	R,A,B,G
	LA093870	LAPPING TERMINAL	2P L-102NE	ラッピング端子	TE102	U.C
	VK217300	CONNECTOR	FJ 10P	F J - リセブタクル	CB102,103	
	V1378500	SOCKET	MU 7P	コネクタソケット	CB104	
	V1031500	BASE PIN	PH 2P TE	ベースピン	CB107,108	
	V1034600	BASE PIN	PH 3P TE	ベースピン	CB105	
	VD053300	BASE PIN	PH 10P TE	ベースピン	CB101,109	
	VJ693000	PRE-SET POTENTIOMETER	B1K Ω	半固定 V R	VR101,102	U.C,R
	VJ692800	PRE-SET POTENTIOMETER	B470 Ω	半固定 V R	VR101,102	A,B,G
	VK473700	POTENTIOMETER	Y0V R 2	二重ロ-テリ- V R	VK103	
	JA097000	TRANSISTOR	2SA970 GR,BL	トランジスタ	Q103,106,129	
	JA101511	TRANSISTOR	2SA1015 Y	トランジスタ	Q113,114,131,133	
	VE198700	TRANSISTOR	2SA1145 O,Y	トランジスタ	Q111,112	

*New Parts (新規部品)

ランク: Japan only

Ref. NO.	PART NO.	Description	部 品 名	Remarks	Markets	ランク
	I8050020	TRANSISTOR	2S8500 E,F	Q139,135-137		△
	IC181511	TRANSISTOR	2SC1815 Y	Q107-110,130,132		△
	IC181510	TRANSISTOR	2SC1815 Y	Q142	R	
	IC224030	TRANSISTOR	2SC2240 GR,BL	Q127,128,134,140		
	IC257700	TRANSISTOR	2577 O,P,Y	Q141	R	
	IC260320	TRANSISTOR	2SC2603 E,F	Q117,118		△
	VE108800	TRANSISTOR	2SC2705 O,Y	Q115,116		△
	VK432900	TRANSISTOR	2SD1915 (F) ST	Q101,102		△
	IX608510	TRANSISTOR	2SA1358	Q121,122		△
	IX608520	TRANSISTOR	2SC3421	Q119,120		△
	VF331200	DIGITAL TRANSISTOR	DTC124ES	Q138		
	VB236300	DIODE	1SS176	D101-107,110,112,113,127-132,123		
	VH770800	DIODE	1SR139-100 T-32	D116-119,125		△
	I1H01090	DIODE BRIDGE	S4VB20 2.6A 200V	D120	U,R,A,B,G	△
	I1H01040	DIODE BRIDGE	RB402	D120	C	△
	VG435800	ZENER DIODE	MTZJ3A	D111		
	VG440400	ZENER DIODE	MTZJ13A	D108,109		
	VG440400	ZENER DIODE	MTZJ13A	D124	R	
	VG442600	ZENER DIODE	MTZJ24C	D114,115,126		
	VB960900	PIN	1MSA-6024	スタイルピン		
	LB201880	FUSE HOLDER PIN	PC-FH1	ヒューズホルダピン		
	BB070700	MATAL.GROUND		アース金具		
	RB071360	TERMINAL,SCREW	8.3x13	ネジ端子		
	VES10900	TUNER CIRCUIT BOARD				
	VES10900	TUNER CIRCUIT BOARD				
	VES20000	TUNER CIRCUIT BOARD				
	VES10800	TUNER CIRCUIT BOARD				
	VES19700	TUNER CIRCUIT BOARD				
	FA153100	MYLAR FILM CAP	1000pF 50V	マイラーコン	C45,48	
	FA153270	MYLAR FILM CAP	2700pF 50V	マイラーコン	C41,43	
	FA153390	MYLAR FILM CAP	3900pF 50V	マイラーコン	C46,47	
	FA154470	MYLAR FILM CAP	0.047uF 50V	マイラーコン	C34	
	FA155100	MYLAR FILM CAP	0.1uF 50V	マイラーコン	C18	
	UT452470	POLYPROPYLENE FILM CAP	470pF 100V	P Pコン	C36,37	A,B
	UT452390	POLYPROPYLENE FILM CAP	390pF 100V	P Pコン	C36,37	G
	UT452680	POLYPROPYLENE FILM CAP	080pF 100V	P Pコン	C36,37	U,C,R
	VA761200	CERAMIC CAP	33pF 50V	セラコン	C19,28	
	VF466700	CERAMIC CAP	47pF 50V	円筒セラコン	C16	
	VF466800	CERAMIC CAP	100pF 50V	円筒セラコン	C21	U,C,R,A,B
	VF466900	CERAMIC CAP	470pF 50V	円筒セラコン	C38	
	VF467000	CERAMIC CAP	1000pF 50V	円筒セラコン	C11,14,15	
	VF467300	CERAMIC CAP	0.01uF 16V	円筒セラコン	C5,8-10,23,27	
	VG280100	CERAMIC CAP	0.022uF 25V	円筒セラコン	C2	
	VJ509000	CERAMIC CAP	0.047uF 16V	円筒セラコン	C3,49	
	VI842200	ELECTROLYTIC CAP	10uF 16V	ケミコン	C4,12,13,20,26,31,39,42	

※(新規部品) (新規部品)

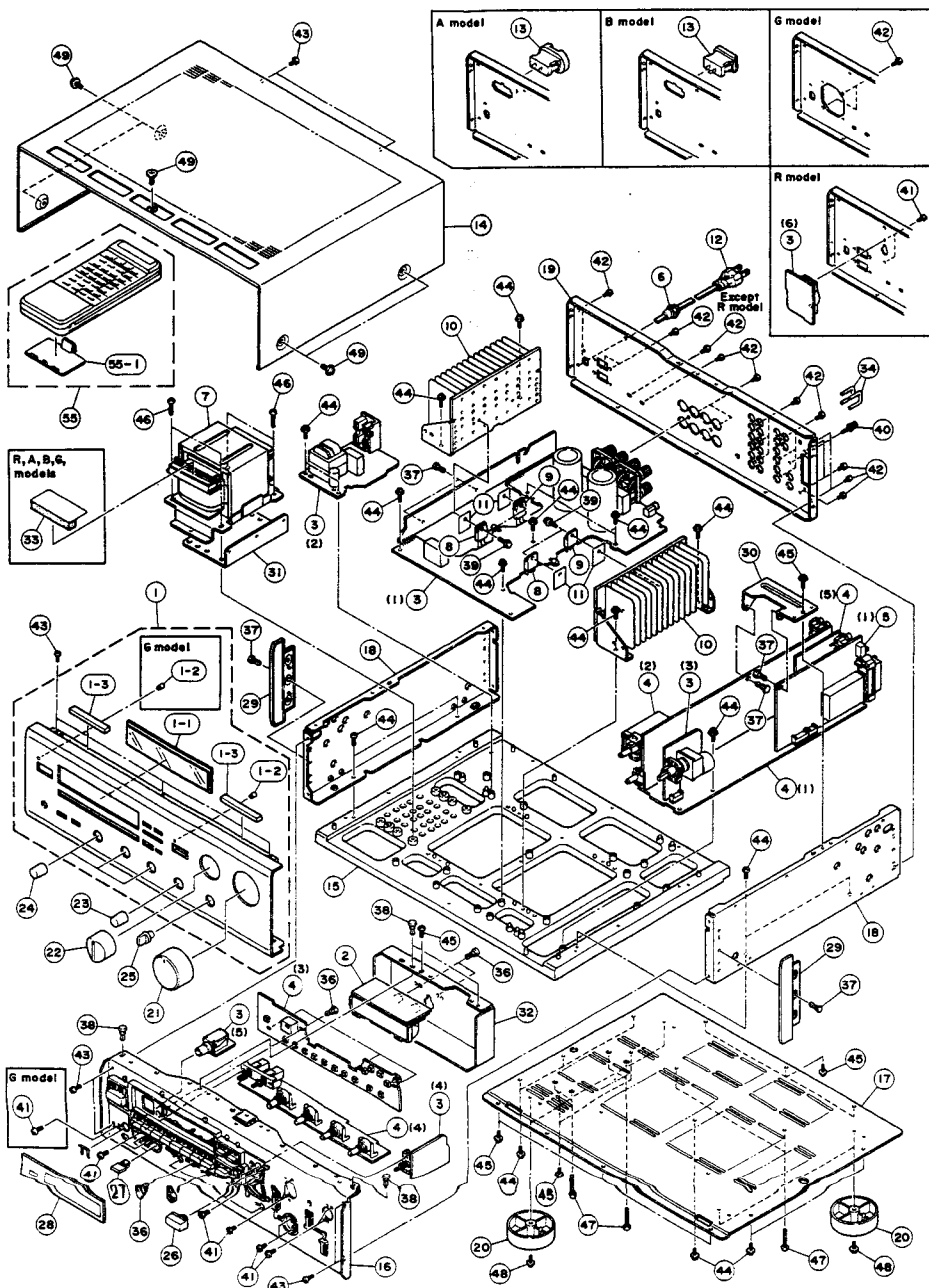
ランク: Japan only

Ref. NO.	PART NO.	Description	部 品 名	Remarks	Markets	ランク
	VI842600	ELECTROLYTIC CAP	100uF 16V	ケミコン	C6,17	
	VI842800	ELECTROLYTIC CAP	330uF 16V	ケミコン	C1	
	VI844800	ELECTROLYTIC CAP	0.47uF 50V	ケミコン	C32	
	VI844900	ELECTROLYTIC CAP	1uF 50V	ケミコン	C7,29,30,33,40,44	
	VI845000	ELECTROLYTIC CAP	2.2uF 50V	ケミコン	C22	
	VI845100	ELECTROLYTIC CAP	3.3uF 50V	ケミコン	C25	
	VI845200	ELECTROLYTIC CAP	4.7uF 50V	ケミコン	C24	
	UK166220	ELECTROLYTIC CAP	2.2uF 50V	B P ケミコン	C35	
	GE901850	COIL, INDUCTOR	39mH	固定インダクター	L4,5	
	VI546100	COIL	220 uH	固定コイル	L1-3	
	GE100470	AM COIL	450KHz	AM I F T コイル	T2	
	GE200530	FILTER	114KHz	L C フィルター	T3	G
	VC218600	COIL, FM DETECT	10.7MHz	F M 検波コイル	T1	
	IG158100	IC	LA3401	I C	IC3	
	XB760A00	IC	LA1266	I C	IC1	
	XB818A00	IC	LM7000N	I C	IC2	
	VF541200	SLIDE SWITCH	SSSF11	スライド S W	SW1	R
	VA845900	ANTENNA TERMINAL	YKD21-0028A	アンテナ端子	TE1	U,C,R,B
	LA005800	ANTENNA TERMINAL	YKD31-0215	アンテナ端子	TE1	A,G
	VI378400	SOCKET	NQ 0P	コネクタソケット	CB4	
	VI378800	SOCKET	NQ 10P	コネクタソケット	CB5	
	VI027300	AM COIL PACK		AM コイルバック	PK2	
	VK208500	FRONT-END TUNER PACK	TFPG1U145A	フロントエンドバック	PK1	U,C,R,A,B
	VC219400	FRONT-END TUNER PACK	TFPG3E114A	バック	PK1	G
	GG000560	CERAMIC FILTER	SFE10.7MS3GHY-A	セラミックフィルタ	F11,2	
	VC219000	CERAMIC FILTER	SFZ450JL3	セラミックフィルタ	F13	
	Q0003800	QUARTZ CRYSTAL UNIT	7.2MHz	水晶振動子	XL1	
	GG000750	CERAMIC RESONATOR	18.95MHz CS8450F11	セラミック振動子	XL2	
	VJ604000	PRE-SET POTENTIOMETER	B47K Q	半固定 V R	VR1,2	
	VC218700	TRANSISTOR	2SA1317 R,S,T	トランジスタ	Q5	
	VB433300	TRANSISTOR	2SC1809 N.H.P	トランジスタ	Q1,4	
	VC218900	TRANSISTOR	2SC3330 R,S,T	トランジスタ	Q2,3,6	
	IF004600	DIODE	1SS133 T-77	ダイオード	D1,2	
	BB071360	TERMINAL,SCREW	8.3x13	ネジ端子		

※New Parts (新規部品)

ランク: Japan only

■ EXPLODED VIEW



■ MECHANICAL PARTS Note) Ø : Diameter

Ref. NO.	PART NO.	Description	部 品 名	Remarks	Markets	寸法
01	VK540800	PANEL UNIT	パネルユニット	BL	U.C.R.A.B	
01	VK541000	PANEL UNIT	パネルユニット	T	U.C.R.A.B	
01	VK540900	PANEL UNIT	パネルユニット	BL	G	
01	VK541100	PANEL UNIT	パネルユニット	T		
01-1	VJ832800	WINDOW	ウインドウ			
01-2	VH897700	LENS	レンズ			
01-3	VK863200	DAMPER	ダンパー			
02	VK520100	LCD CIRCUIT BOARD	LCDシート			6/55
03	VK537600	MAIN CIRCUIT BOARD	メインシート		G	
03	VK537500	MAIN CIRCUIT BOARD	メインシート		A,B	
03	VK537400	MAIN CIRCUIT BOARD	メインシート		R	
03	VK537200	MAIN CIRCUIT BOARD	メインシート		U	
03	VK537300	MAIN CIRCUIT BOARD	メインシート		C	
04	VK520400	FUNCTION CIRCUIT BOARD	ファンクションシート		A,B	
04	VK520200	FUNCTION CIRCUIT BOARD	ファンクションシート		U,C	
04	VK520300	FUNCTION CIRCUIT BOARD	ファンクションシート		R	
04	VK520500	FUNCTION CIRCUIT BOARD	ファンクションシート		G	
05	VK519800	TUNER CIRCUIT BOARD	チューナシート		A	
05	VK519700	TUNER CIRCUIT BOARD	チューナシート		R	
05	VK519600	TUNER CIRCUIT BOARD	チューナシート		U,C	
05	VK520000	TUNER CIRCUIT BOARD	チューナシート		G	
05	VK519900	TUNER CIRCUIT BOARD	チューナシート		B	
06	CR620100	CORD STOPPER	コードストッパー		R,A,B,G	
06	CR620200	CORD STOPPER	コードストッパー		U,C	
07	X1636800	POWER TRANSFORMER	電源トランス		C	
07	X1637400	POWER TRANSFORMER	電源トランス		R	
07	X1638400	POWER TRANSFORMER	電源トランス		A,B	
07	X1635400	POWER TRANSFORMER	電源トランス		G	
08	1X609750	TRANSISTOR	トランジスタ	Q125,126		
09	1X609760	TRANSISTOR	トランジスタ	Q123,124		
10	VK235900	RADIATOR ASS'Y	ラジエータ ASSY			
11	VK195900	SHEET	シート			19x24
12	VE043400	POWER CORD ASS'Y	パワーコード ASSY		G	
12	VK815600	POWER CORD ASS'Y	パワーコード ASSY		B	
12	MG002220	POWER CORD	電源コード		U,C	
12	VE042900	POWER CORD ASS'Y	パワーコード ASSY		A	
12	VE222900	POWER CORD ASS'Y	パワーコード ASSY		R	
13	VJ775000	AC OUTLET	ACアウトレット		B	
13	VC526100	AC OUTLET	電源コネクタ		A	
14	VK233100	TOP COVER	トップカバー	BL		
14	VK233200	TOP COVER	トップカバー	T		
15	VK233300	CHASSIS	シャーシ アートベース			
16	VK236100	SUB CHASSIS	サブシャーシ (T)	T		
16	VK236000	SUB CHASSIS	サブシャーシ (B)	BL		
17	VK443600	BOTTOM COVER	ボトムカバー			
18	VK234000	FRAME SIDE	フレーム サイド			
19	VK233700	REAR PANEL	リヤパネル		A	
19	VK233400	REAR PANEL	リヤパネル		U	
19	VK233800	REAR PANEL	リヤパネル		R	

* New Parts (新規部品)

ランク : Japan only

Ref. NO.	PART NO.	Description	部 品 名	Remarks	Markets	リンク
19	VK233900	REAR PANEL	リヤパネル		G	
19	VK233600	REAR PANEL	リヤパネル		R	
19	VK233500	REAR PANEL	リヤパネル		C	
20	V1615200	LEG	レッグ			
21	VK015100	KNOB	ノブ	BL		
21	VK015200	KNOB	ノブ	T		
22	VK220000	KNOB	ノブ	T		
22	VK219900	KNOB	ノブ	RL		
23	VK234300	KNOB	ノブ	BL		
23	VK234400	KNOB	ノブ	T		
24	VH880300	KNOB	D14 ノブ	T		
24	VH880200	KNOB	D14 ノブ	BL		
25	V1251000	KNOB	D14 ノブ	RL		
25	V1251100	KNOB	D14 ノブ	T		
26	VH841900	BUTTON	10/25 ボタン	BL		
26	VH842000	BUTTON	10/25 ボタン	T		
27	VH816100	BUTTON	3/14 ボタン	T		
27	VH816000	BUTTON	3/14 ボタン	RL		
28	VK234500	PLATE, LCD	プレート LCD	T		
29	VK234600	PLATE SIDE	プレートサイド	BL		
29	VK234700	PLATE SIDE	プレートサイド	T		
30	VK234800	FRAME	フレーム PCB	T		
31	VK296200	FRAME	フレーム	BL		
32	VK234900	FRAME SHIELD	フレーム シールド	T		
33	VL040300	SHEET	シート プロテクター		R, A, B, G	
34	LB101110	SHORT PIN	ショートピン			
35	CB069250	RINDING TIE	BK-1 束縛止め		C	
36	CB005620	PLASTIC RIVET	NO.1057 ブラリベット			
37	CB099600	PLASTIC RIVET	ブラリベット			
38	CB068880	PLASTIC RIVET	#1027 ブラリベット			
39	VK173200	SCREW, TRANSISTOR	スクリュー T R			
40	AM627310	GROUND TERMINAL	GNDターミナル			
41	ED330066	BIND HEAD SCREW	3x6 FCM3-BL バインド小ネジ			
42	EZ000460	BIND HEAD BONDING TAP. SCREW	3x8 FCM3-BL ボンディングタッピング			
43	E1330086	BIND HEAD P-TITE SCREW	3x8 FCM3-BL バインドタッピングネジ			
44	VB770200	BW HEAD TAPPING SCREW	3x10 FCM3 BWヘッドタッピングネジ			
45	EK330030	BW HEAD TAPPING SCREW	3x10-8 FCM3-BL BWヘッドタッピングネジ			
46	E1340166	BIND HEAD P-TITE SCREW	4x16 FCM3-BL バインドタッピングネジ			
47	VL184400	RIND HEAD B-TITE SCREW	4x22 FCM3-BL バインドタッピングネジ			
48	EK336010	BW HEAD TAPPING SCREW	3x8 FCM3 BWヘッドタッピングネジ			
49	EXG01850	S-TITE SCREW	4x8 FCM3-BL 化粧ネジSタイ			
49	EXG01860	S-TITE SCREW	1x8 FCM3-BL 化粧ネジSタイ			
50	EXG01150	BW HEAD SCREW	4x8-10 FCM3-BL BWヘッド小ネジ			
50	EK365090	BW HEAD SCREW	4x8-10 FCM3-BL BWヘッドSタイネジ			
		ACCESSORIES				
55	VK379900	REMOTE CONTROL TRANSMITTER	SBFA03P53A EX 付属品 トランスミッター			
55-1	CX016900	LID	電池蓋			

※New Parts (新規部品)

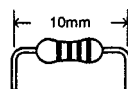
リンク : Japan only

Parts List for Carbon Resistors

Value	1/4W Type Part No.	1/6W Type Part No.	Value	1/4W Type Part No.	1/6W Type Part No.
1.0 Ω	HJ35 3100	HF85 3100	12 K Ω	HJ35 7120	HF85 7120
1.8 Ω	HJ35 3180	*	15 K Ω	HJ35 7150	HF85 7150
2.2 Ω	HJ35 3220	HF85 3220	18 K Ω	HJ35 7180	HF85 7180
3.3 Ω	HJ35 3330	HF85 3330	22 K Ω	HJ35 7220	HF85 7220
4.7 Ω	HJ35 3470	HF85 3470	27 K Ω	HJ35 7270	HF85 7270
5.6 Ω	HJ35 3560	HF85 3560	33 K Ω	HJ35 7330	HF85 7330
10 Ω	HJ35 4100	HF85 4100	39 K Ω	HJ35 7390	HF85 7390
15 Ω	HJ35 4150	HF85 4150	47 K Ω	HJ35 7470	HF85 7470
22 Ω	HJ35 4220	HF85 4220	56 K Ω	HJ35 7560	HF85 7560
27 Ω	HJ35 4270	HF85 4270	68 K Ω	HJ35 7680	HF85 7680
33 Ω	HJ35 4330	HF85 4330	82 K Ω	HJ35 7820	HF85 7820
39 Ω	HJ35 4390	HF85 4390	91 K Ω	HJ35 7910	HF85 7910
47 Ω	HJ35 4470	HF85 4470	100 K Ω	HJ35 8100	HF85 8100
56 Ω	HJ35 4560	HF85 4560	120 K Ω	HJ35 8120	HF85 8120
68 Ω	HJ35 4680	HF85 4680	150 K Ω	HJ35 8150	HF85 8150
82 Ω	HJ35 4820	HF85 4820	180 K Ω	HJ35 8180	HF85 8180
100 Ω	HJ35 5100	HF85 5100	220 K Ω	HJ35 8220	HF85 8220
110 Ω	HJ35 5110	HF85 5110	270 K Ω	HJ35 8270	HF85 8270
120 Ω	HJ35 5120	HF85 5120	330 K Ω	HJ35 8330	HF85 8330
150 Ω	HJ35 5150	HF85 5150	390 K Ω	HJ35 8390	HF85 8390
160 Ω	HJ35 5160	*	470 K Ω	HJ35 8470	HF85 8470
180 Ω	HJ35 5180	HF85 5180	560 K Ω	HJ35 8560	HF85 8560
220 Ω	HJ35 5220	HF85 5220	680 K Ω	HJ35 8680	HF85 8680
270 Ω	HJ35 5270	HF85 5270	820 K Ω	HJ35 8820	HF85 8820
330 Ω	HJ35 5330	HF85 5330	1.0 M Ω	HJ35 9100	HF85 9100
390 Ω	HJ35 5390	HF85 5390	1.2 M Ω	HJ35 9120	*
470 Ω	HJ35 5470	HF85 5470	1.5 M Ω	HJ35 9150	HF85 9150
510 Ω	*	HF85 5510	1.8 M Ω	HJ35 9180	HF85 9180
560 Ω	HJ35 5560	HF85 5560	2.2 M Ω	HJ35 9220	HF85 9220
680 Ω	HJ35 5680	HF85 5680	3.3 M Ω	HJ35 9330	HF85 9330
820 Ω	HJ35 5820	HF85 5820	3.9 M Ω	HJ35 9390	*
910 Ω	HJ35 5910	HF85 5910	4.7 M Ω	HJ35 9470	HF85 9470
1.0 K Ω	HJ35 6100	HF85 6100			
1.2 K Ω	HJ35 6120	HF85 6120			
1.5 K Ω	HJ35 6150	HF85 6150			
1.8 K Ω	HJ35 6180	HF85 6180			
2.0 K Ω	HJ35 6200	HF85 6200			
2.2 K Ω	HJ35 6220	HF85 6220			
2.4 K Ω	HJ35 6240	HF85 6240			
2.7 K Ω	HJ35 6270	HF85 6270			
3.0 K Ω	HJ35 6300	HF85 6300			
3.3 K Ω	HJ35 6330	HF85 6330			
3.6 K Ω	HJ35 6360	HF85 6360			
3.9 K Ω	HJ35 6390	HF85 6390			
4.7 K Ω	HJ35 6470	HF85 6470			
5.1 K Ω	HJ35 6510	HF85 6510			
5.6 K Ω	HJ35 6560	HF85 6560			
6.8 K Ω	HJ35 6680	HF85 6680			
8.2 K Ω	HJ35 6820	HF85 6820			
9.1 K Ω	HJ35 6910	HF85 6910			
10 K Ω	HJ35 7100	HF85 7100			

1/4W Type

HJ35 ○○○○



1/6W Type

HF85 ○○○○



Printed by: Schaltungsdienst Lange Berlin (Germany)