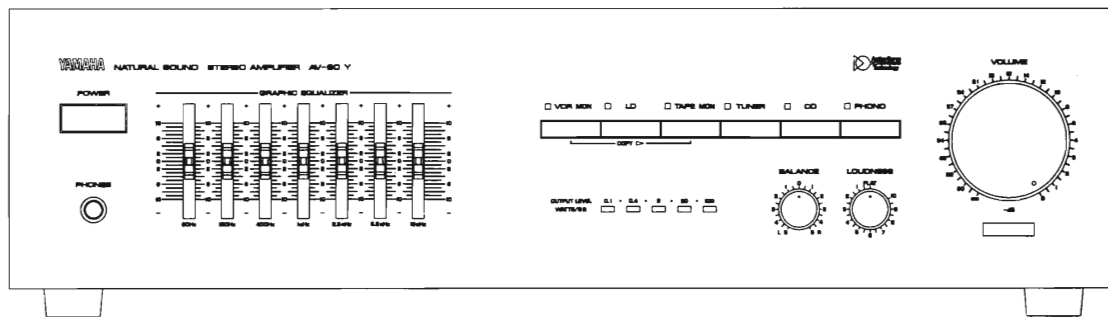
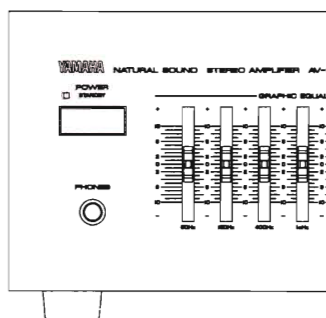


STEREO AMPLIFIER AV-80Y

SERVICE MANUAL



H 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 all 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 parts replacement. Recheck all work before you apply power to the unit.

■ CONTENTS

TO SERVICE PERSONNEL	1
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100380

YAMAHA

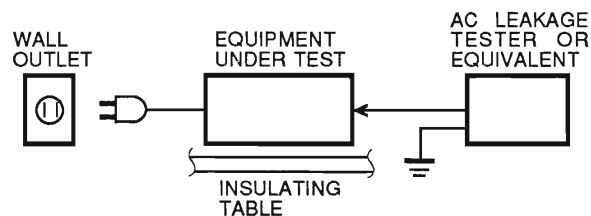
YAMAHA CORPORATION
P.O. Box 1, Hamamatsu, Japan

1.4k-346 Printed in Japan. '91.2

AV-80Y

■ TO SERVICE PERSONNEL

1. Critical Components Information.
Components having special characteristics are marked and must be replaced with parts having specifications equal to those originally installed.
2. Leakage Current Measurement (For 120V Model Only).
When service has been completed, it is imperative that you verify that all exposed conductive surfaces are properly insulated from supply circuits.
 - Meter impedance should be equivalent to 1500 ohm shunted by 0.15 μ F.
 - Leakage current must not exceed 0.5mA.
 - Be sure to test for leakage with the AC plug in both polarities.



• POLARIZATION (U, C models only)

This amplifier product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature.

WARNING: CHEMICAL CONTENT NOTICE!

The solder used in the production of this product contains LEAD. In addition, other electrical/electronic and/or plastic (where applicable) components may also contain traces of chemicals found by the California Health and Welfare Agency (and possibly other entities) to cause cancer and/or birth defects or other reproductive harm.

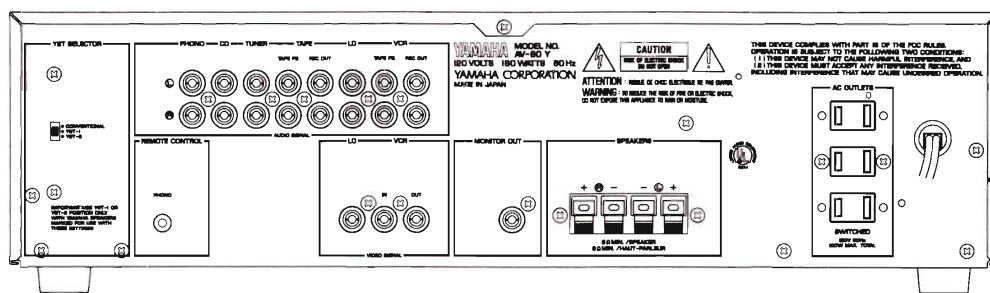
DO NOT PLACE SOLDER, ELECTRICAL/ELECTRONIC OR PLASTIC COMPONENTS IN YOUR MOUTH FOR ANY REASON WHATSOEVER!

Avoid prolonged, unprotected contact between solder and your skin! When soldering, do not inhale solder fumes or expose eyes to solder/flux vapor!

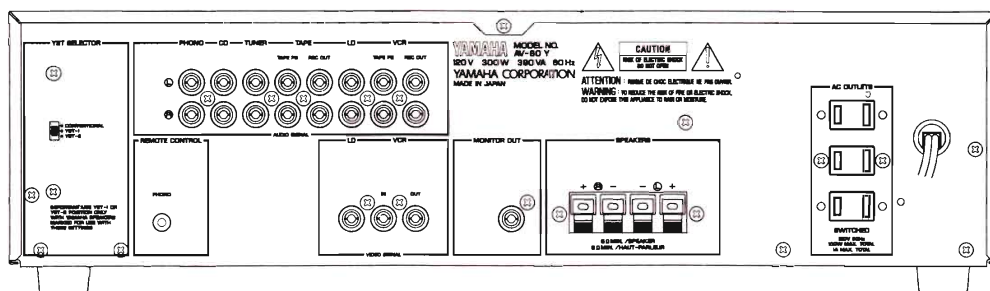
If you come in contact with solder or components located inside the enclosure of this product, wash your hands before handling food.

■ REAR PANELS

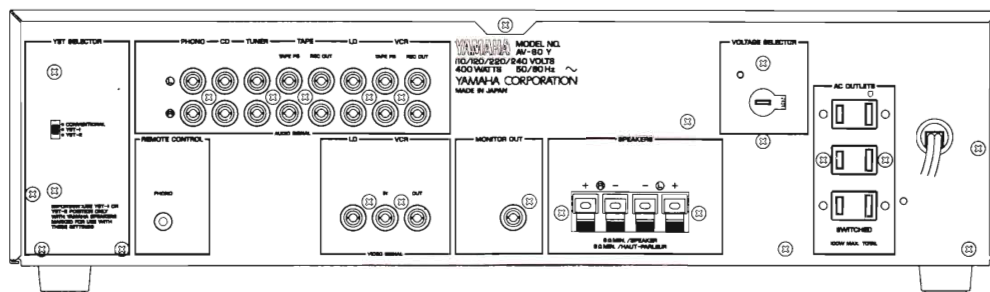
▼ U model



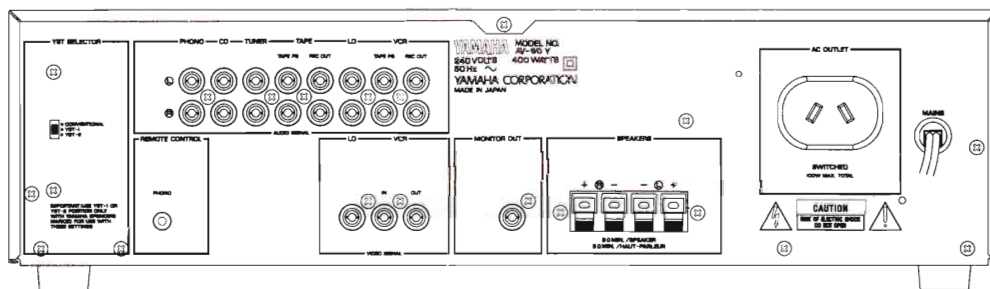
▼ C model



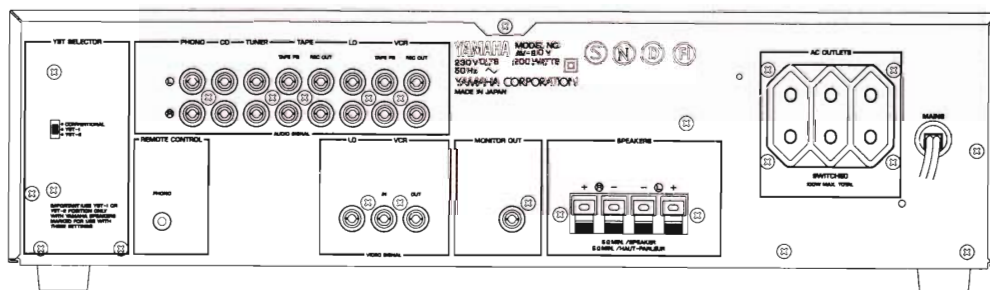
▼ R model



▼ A model



▼ H model



SPECIFICATIONS

AUDIO SECTION

Minimum RMS Output Power Per Channel

20Hz~20kHz, 0.15% THD, 8Ω	100W (U, C)
0.3% THD, 8Ω	70W (R, A)
0.3% THD, 8Ω	55W (H)

Dynamic Power Per Channel

(by IHF Dynamic Headroom measuring method)

8Ω	145W (U, C)
	90W (R, A)
	60W (H)
6Ω	180W (U, C)
	100W (R, A)
	75W (H)

Dynamic Headroom

8Ω	1.6dB (U, C)
----	--------------

IEC Power

1kHz, 0.1% THD, 8Ω/6Ω	60W/70W (H)
-----------------------	-------------

Damping Factor

1kHz, 8Ω	50
----------	----

Input Sensitivity/Impedance

Phono MM	2.5mV/47kΩ
CD etc.	150mV/47kΩ

Input Sensitivity (New IHF)

Phono MM	0.25mV
CD etc.	15mV

Maximum-Input Signal

1kHz, 0.02% THD, Phono MM	80mV
---------------------------	------

Output Level/Impedance

Rec Out	150mV/1.4kΩ
---------	-------------

Headphone Jack Rated Output/Impedance

0.1% THD, RL=8Ω	180mV/150Ω (U, C)
	220mV/100Ω (R, A)
	180mV/100Ω (H)

Frequency Response

20Hz~20kHz, CD etc.	-0.5dB±0.5dB
---------------------	--------------

RIAA Equalization Deviation

Phono MM	0dB±0.5dB
----------	-----------

Total Harmonic Distortion (20Hz~20kHz)

Phono MM to Rec Out, 3V	0.1%
CD etc to Speaker Out, 50W/8Ω	0.05% (U, C)
35W/8Ω	0.1% (R, A)
22W/8Ω	0.1% (H)

Signal to Noise Ratio (IHF-A-Network)

Phono MM (5mV Input Shorted)	79dB
CD etc. (Shorted)	92dB

Residual Noise (IHF-A-Network)

200μV

Channel Separation (Vol. -30dB)

Phono MM input shorted 1kHz/10kHz	55dB/50dB
CD etc input 5.1kΩ terminated 1kHz/10kHz	55dB/50dB

Graphic Equalizer

Control Frequency	60Hz, 150Hz, 400Hz, 1kHz, 2.5kHz, 6.3kHz, 16kHz
Boost/Cut	±10dB

Continuous Loudness Control (Level related equalization)

Attenuation	-20dB (1kHz)
-------------	--------------

Gain tracking error (0dB~60dB)

3dB

VIDEO SECTION

Video Signal

Input/Output	1Vp-p/75Ω
--------------	-----------

GENERAL

Power Supply

U, C models	AC120V, 60Hz
A model	AC240V, 50Hz
H model	AC230V, 50Hz
R model	AC110/120/220/240V, 60/50Hz

Power Consumption

U model	180W
C model	390VA/300W
A model	400W
C model	200W
A model	400W

AC Outlet

Switched x 3 (U, R, H)	100W max. (Total)
Switched x 1 (A)	100W max.
Switched x 3 (C)	100W max. (Total)
	1A max. (Total)

Dimensions (WxHxD)

435 x 122.5 x 304.7 mm
(17-1/8" x 4-13/16" x 12")

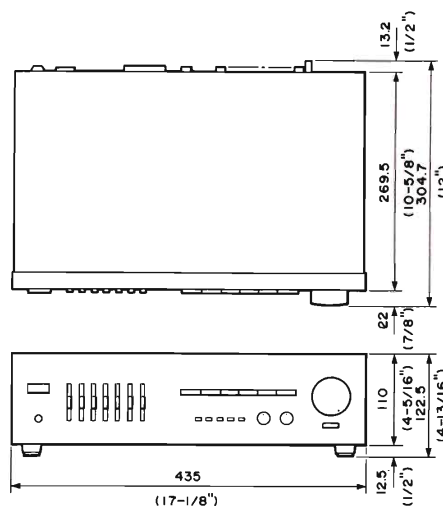
Weight

7.4kg (16 lbs 5 oz)

*Specifications subject to change without notice.

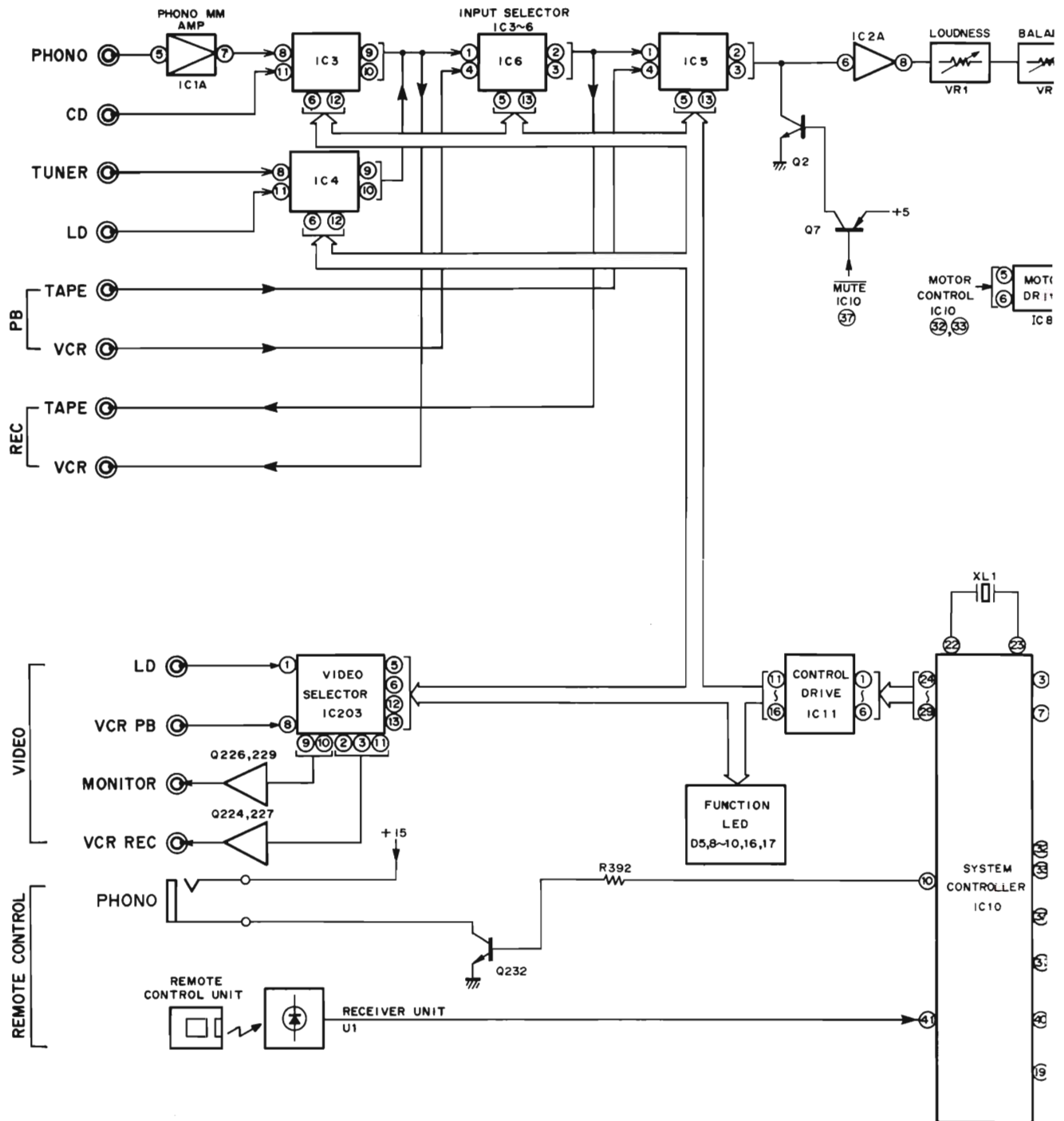
C Canadian model
U U. S. A. model
A Australian model
H North European model
R General model

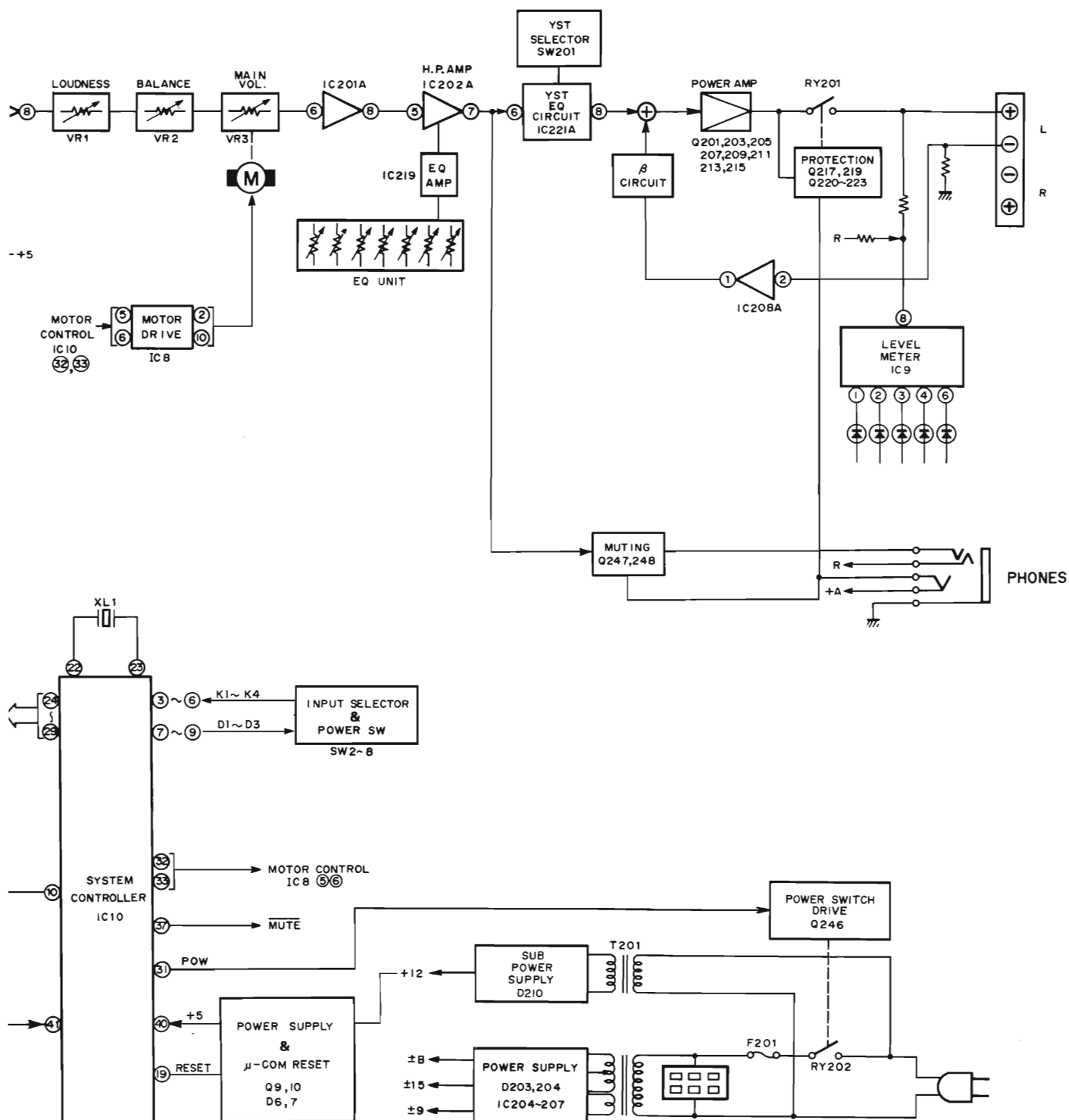
DIMENSIONS



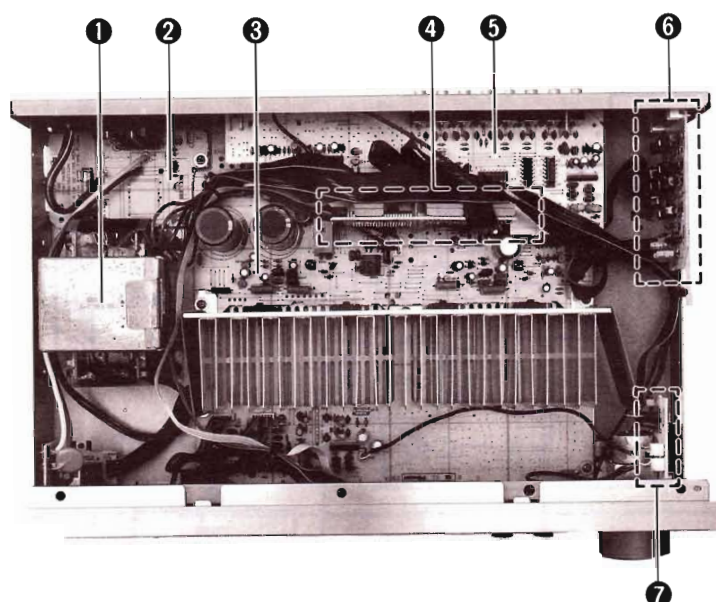
Unit : mm (Inch)

■ BLOCK DIAGRAM





■ INTERNAL VIEW



- ① POWER TRANSFORMER
- ② MAIN CIRCUIT BOARD (2)
- ③ MAIN CIRCUIT BOARD (1)
- ④ μ-COM CIRCUIT BOARD (9)
- ⑤ μ-COM CIRCUIT BOARD (1)
- ⑥ MAIN CIRCUIT BOARD (4)
- ⑦ μ-COM CIRCUIT BOARD (3)

■ DISASSEMBLY PROCEDURES

(Remove parts in disassembly order as numbered.)

1. Removal of Top Cover

Remove 5 screws (①) in Fig. 1, and slide the TOP Cover back.

2. Removal of Front Panel

Remove 6 screws (②) in Fig. 1, and pull the Front Panel forward.

3. Removal of Bottom Cover

Remove 4 screws (③) in Fig. 1.

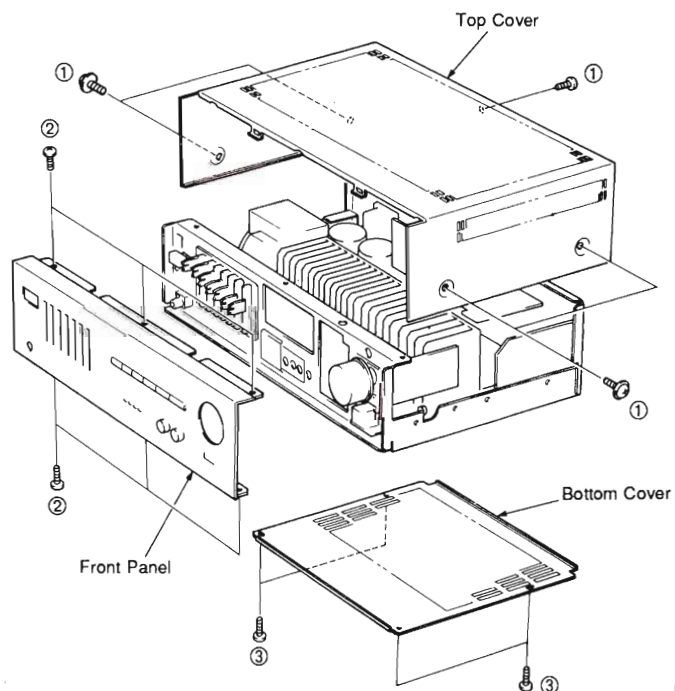


Fig. 1

● Installation of Top Cover

< Example of incorrect installation >

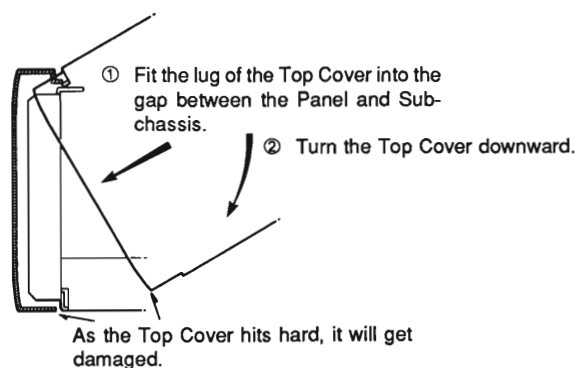


Fig. 2

< Example of correct installation >

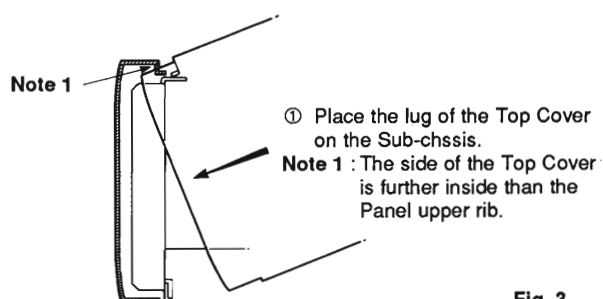


Fig. 3

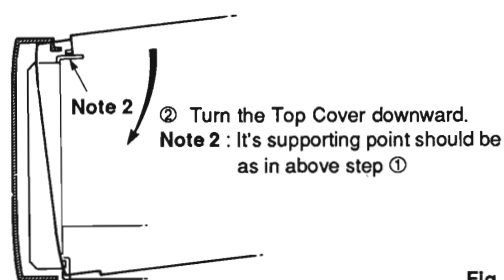


Fig. 4

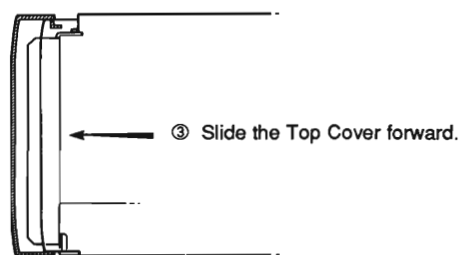


Fig. 5

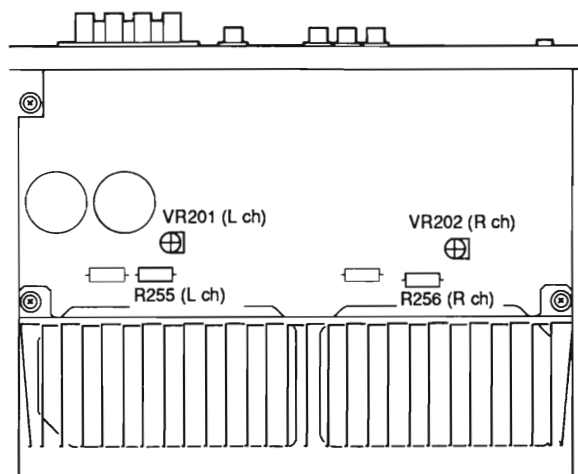
■ ADJUSTMENTS

● Idling Adjustment

To stabilize operation of the amplifier, turn ON the power in the no-signal state and wait for two minutes before the adjustment.

Adjust VR201 (L ch) so that the voltage at both R255 (L ch) becomes $DC1.5mV \pm 0.3mV$.

Adjust VR202 (R ch) so that the voltage at both R256 (R ch) becomes $DC1.5mV \pm 0.3mV$.



PRINTED CIRCUIT BOARD (Foil side)

Note) 文字面 : Component side

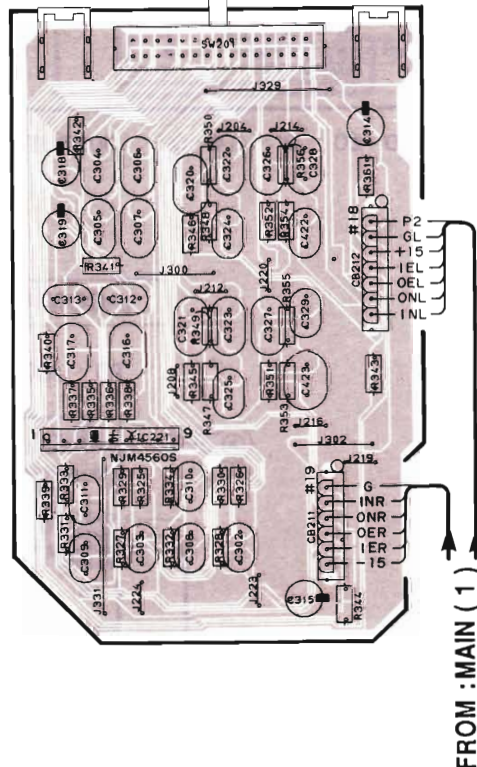
MAIN C. B (1)

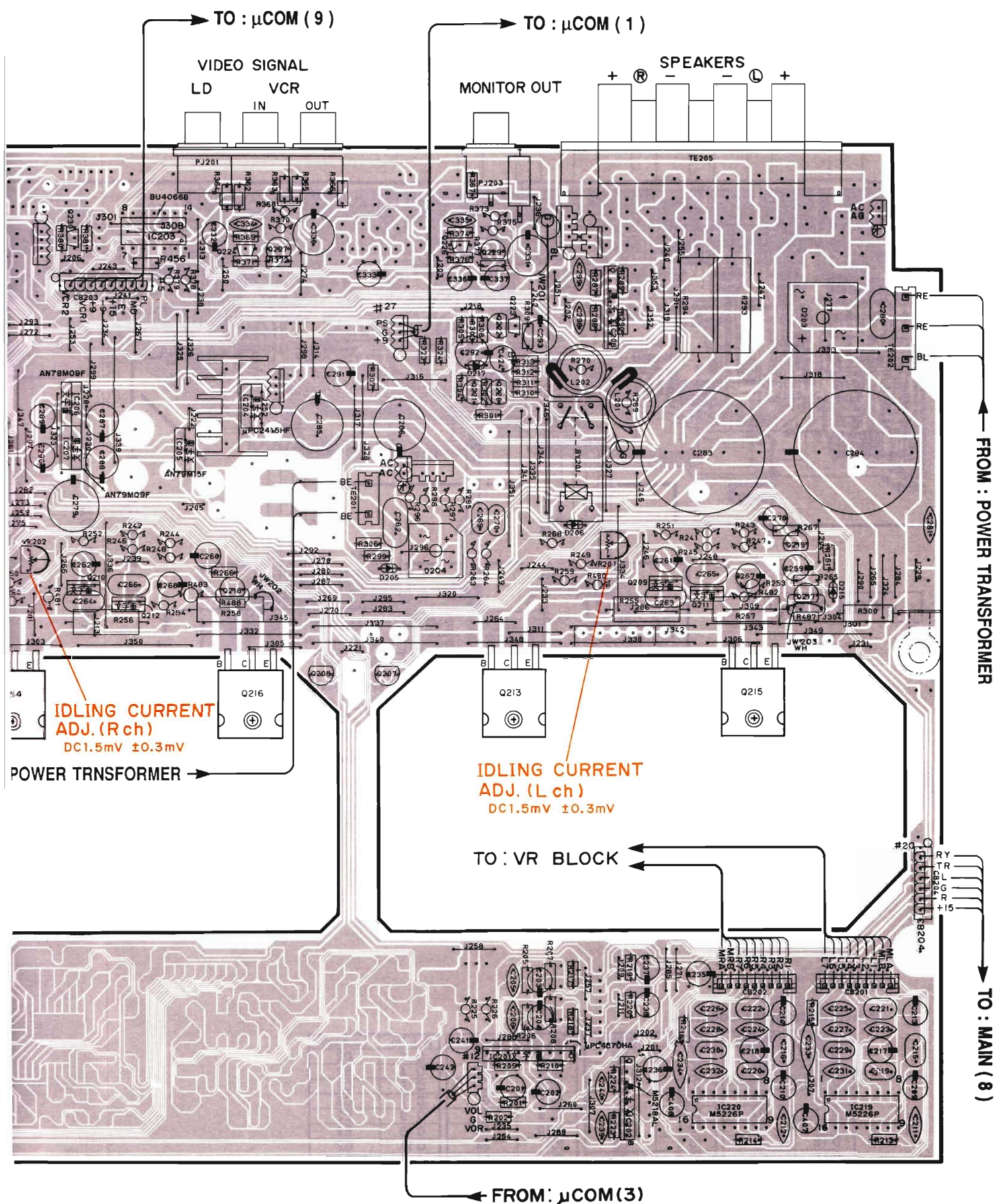
● Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D 201	D2	IC220	G5	Q 216	E4
D 202	D3	IC221	B5	Q 217	G3
D 203	G2	Q 201	D2	Q 218	E3
D 205	E3	Q 202	C3	Q 219	G3
D 206	F3	Q 203	C2	Q 220	F2
D 215	G3	Q 204	C3	Q 221	F2
D 216	D3	Q 205	D2	Q 222	F2
D 217	F2	Q 206	D3	Q 223	F2
IC201	F5	Q 207	E4	Q 224	E2
IC202	F5	Q 208	E4	Q 226	F2
IC203	D2	Q 209	G3	Q 227	E2
IC204	E2	Q 210	D3	Q 229	F2
IC205	E3	Q 211	G3	Q 230	D2
IC206	D2	Q 212	D3	Q 232	C2
IC207	D3	Q 213	F4	Q 237	C3
IC208	F2	Q 214	D4	Q 238	C3
IC219	G5	Q 215	G4		

MAIN C. B (4)

— YST SELECTOR —
 · CONVENTIONAL
 · YST-1
 · YST-2



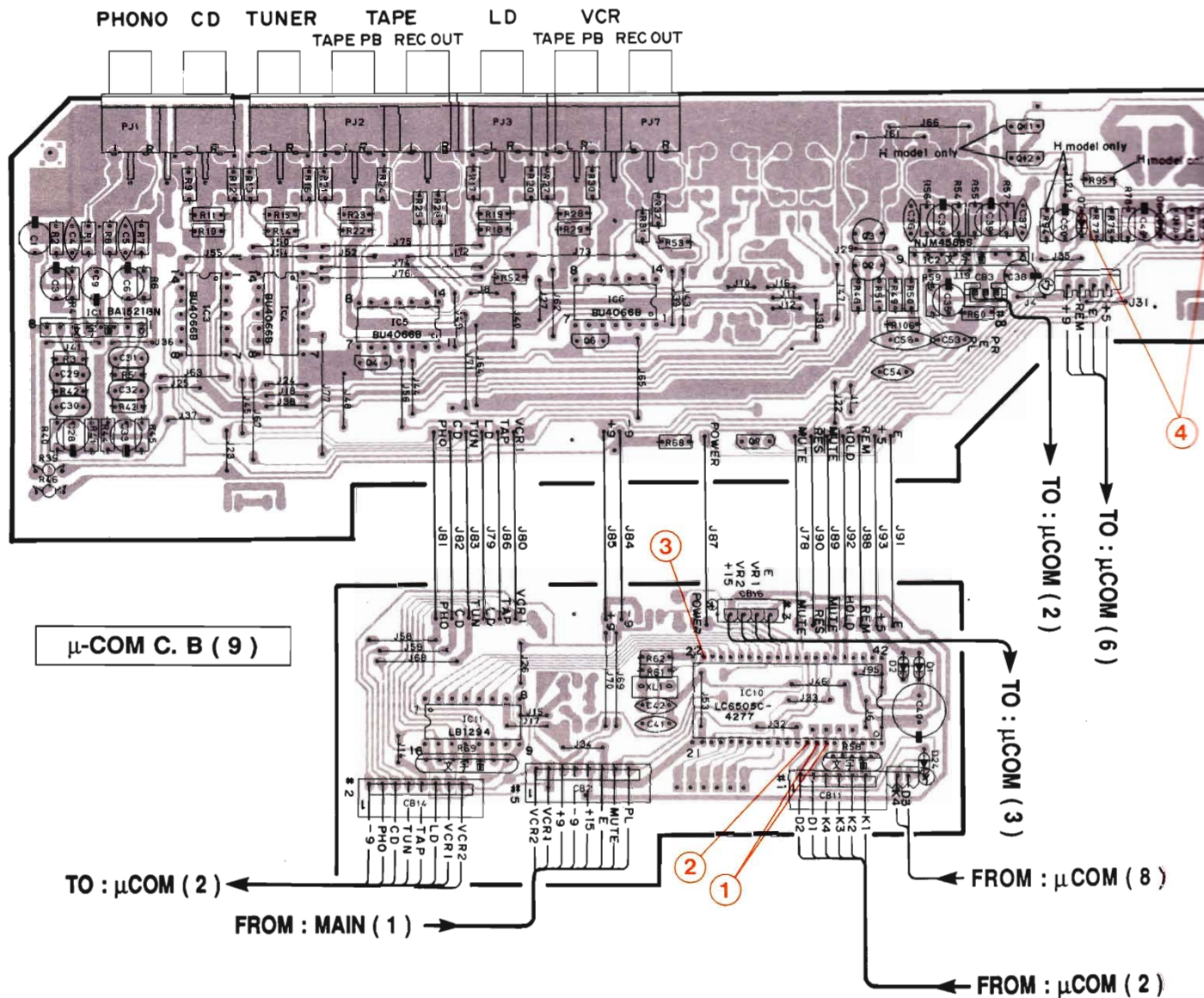


PRINTED CIRCUIT BOARD (Foil side)

Note) 文字面 : Component side

① to ④ : WAVEFORM OF TEST POINT (See page 17)

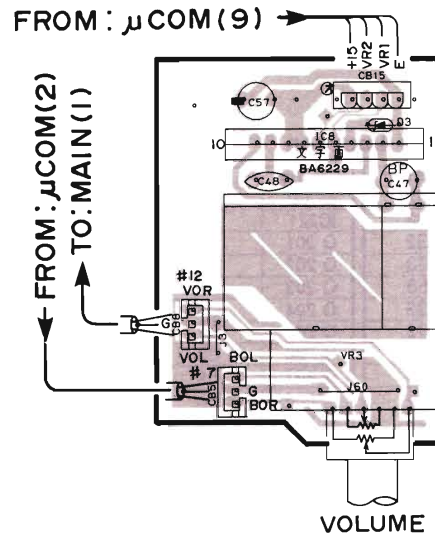
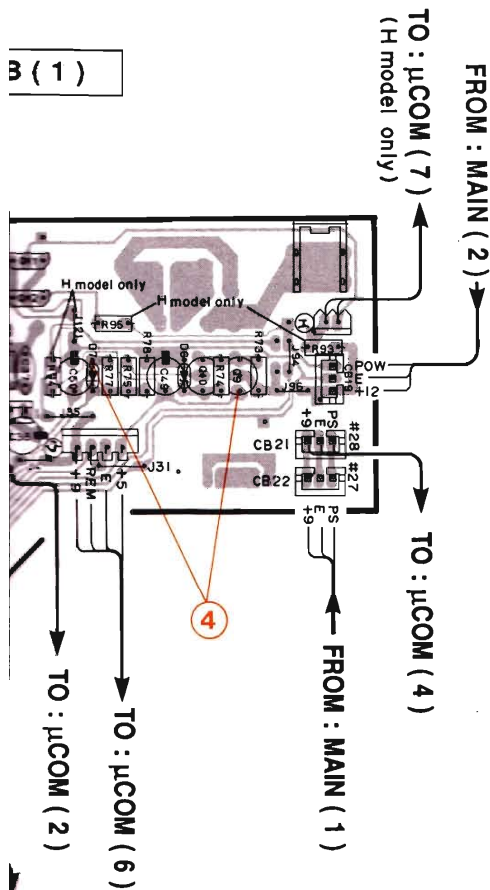
μ-COM C. B (1)



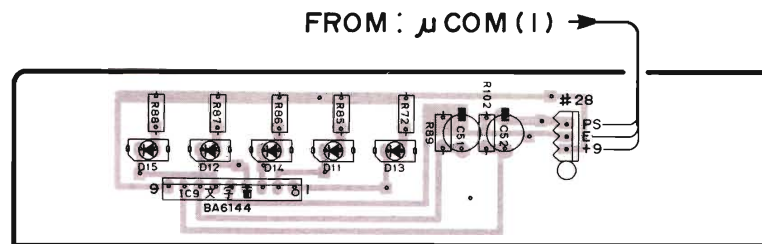
Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D 1	D3	D 14	G4	IC 4	B2	Q 3	D2
D 2	D3	D 15	F4	IC 5	B2	Q 4	B2
D 3	G2	D 20	F5	IC 6	C2	Q 5	C2
D 6	E2	D 23	G5	IC 8	G2	Q 7	C3
D 7	D2	D 24	D4	IC 9	F4	Q 9	E2
D 11	G4	IC 1	A2	IC10	C4	Q10	E2
D 12	F4	IC 2	D2	IC11	B4	Q11	D2
D 13	G4	IC 3	B2	Q 2	D2	Q12	D2

μ-COM C. B (3)



μ-COM C. B (4)

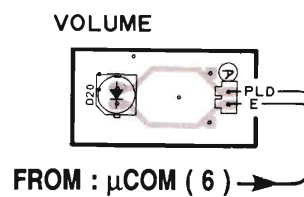


100 · 20 · 2 · 0.4 · 0.1 OUTPUT LEVEL

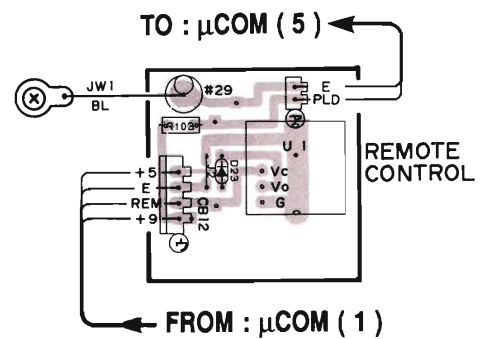
DM : μ COM (8)

DM : μCOM (2)

μ-COM C. B (5)



μ-COM C. B (6)

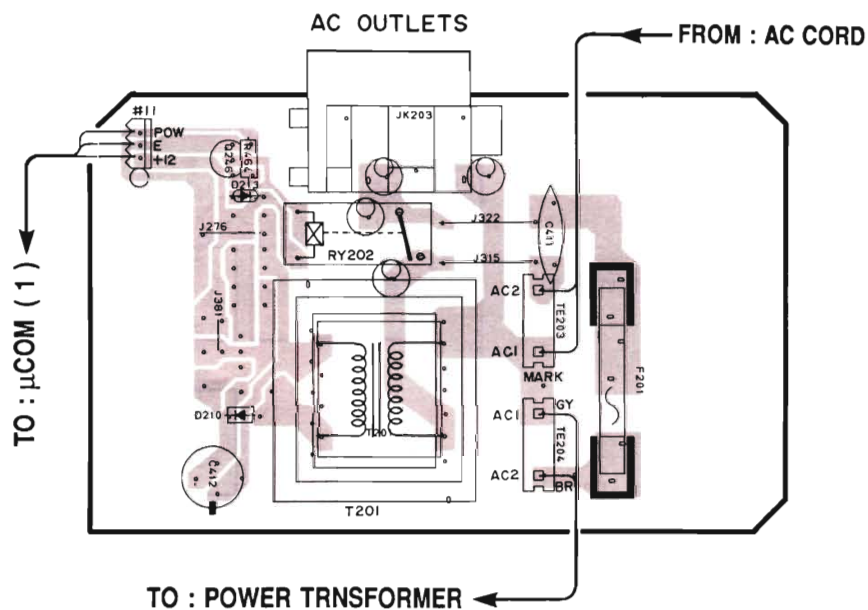


PRINTED CIRCUIT BOARD (Foil side)

Note) 文字面 : Component side

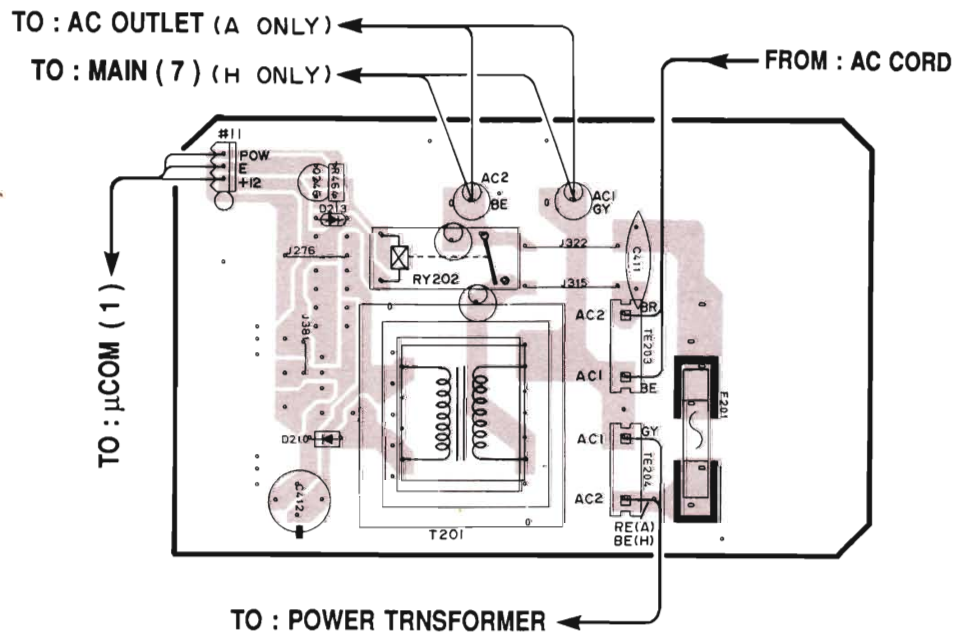
MAIN C. B (2)

● U, C models



MAIN C. B (2)

● A, H models

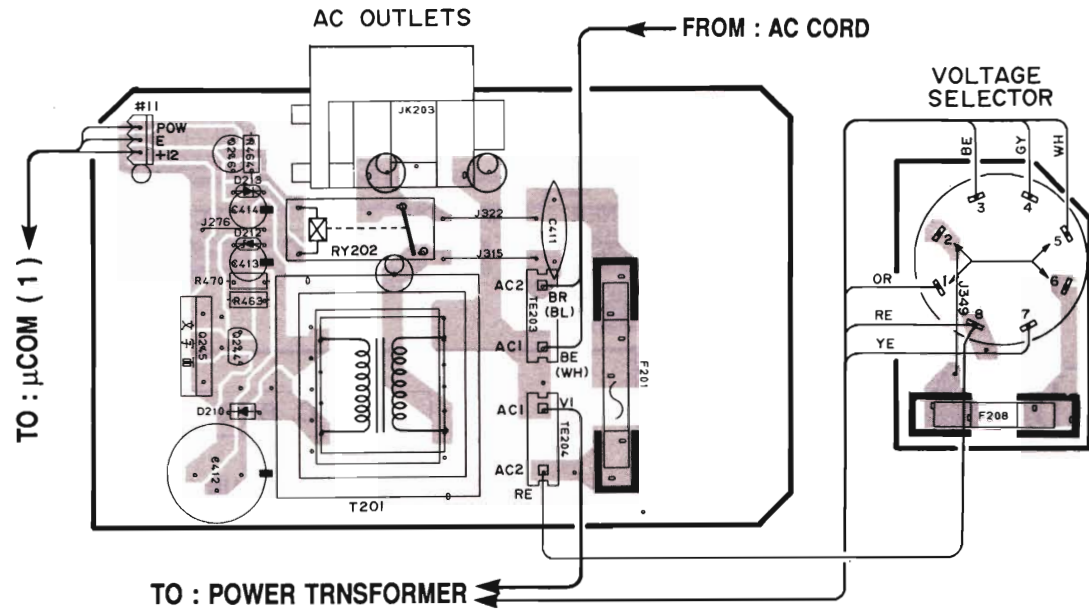


MAIN C. B (2)

● R model

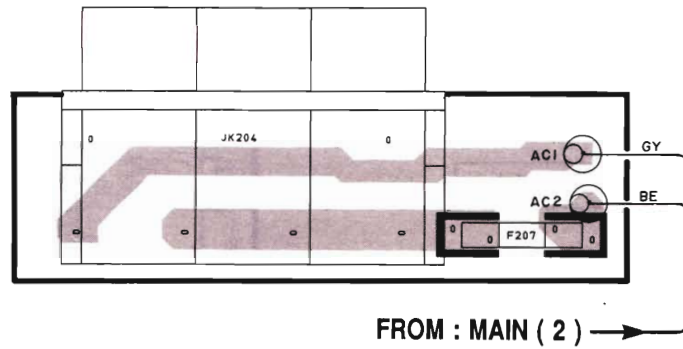
MAIN C. B (6)

● R model

**MAIN C. B (7)**

● H model

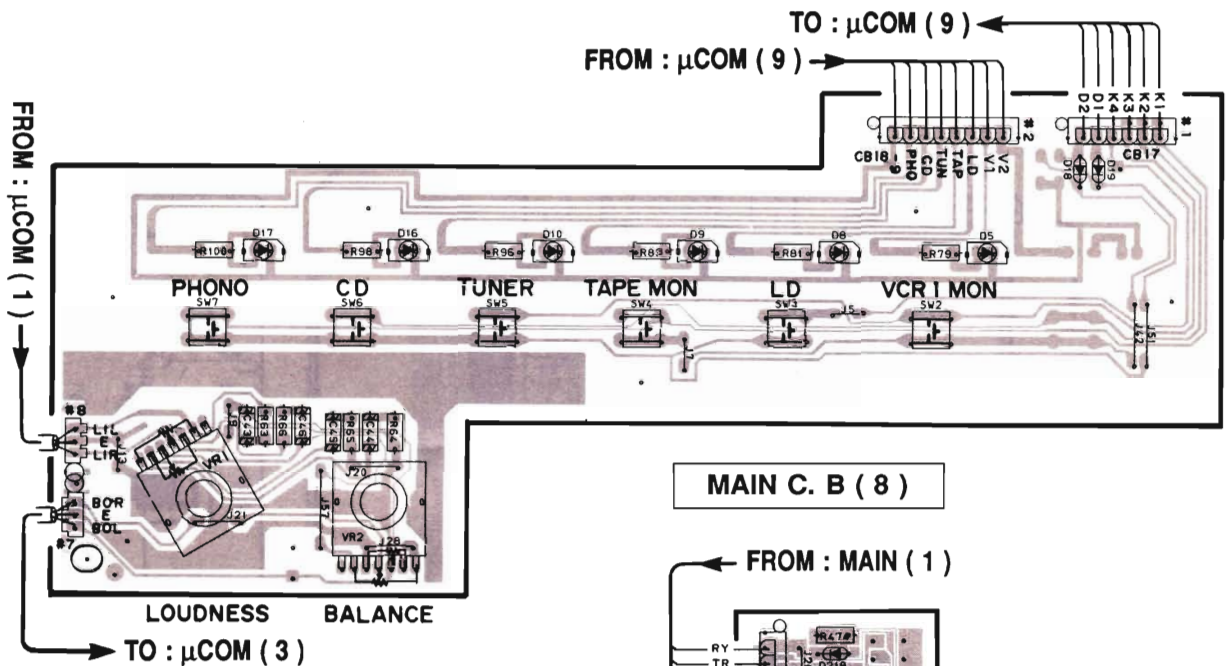
AC OUTLETS



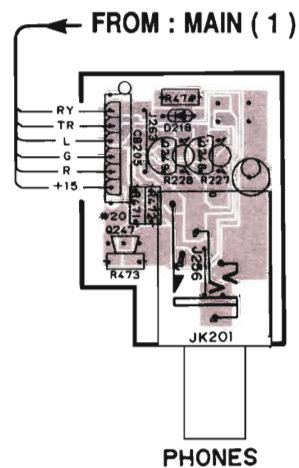
PRINTED CIRCUIT BOARD (Foil side)

Note) 文字面 : Component side

μ -COM C. B (2)

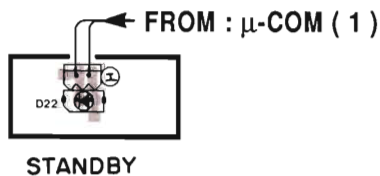


MAIN C. B (8)

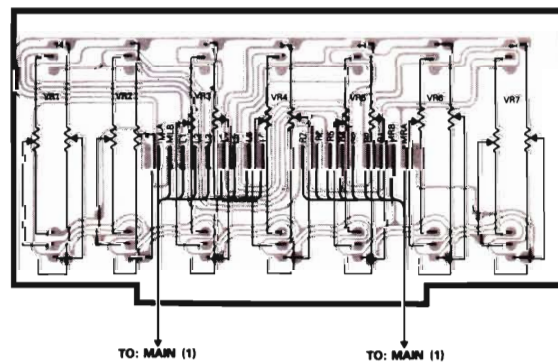


μ -COM C. B (7)

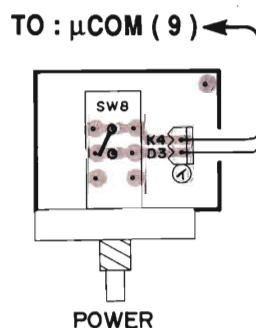
● H model



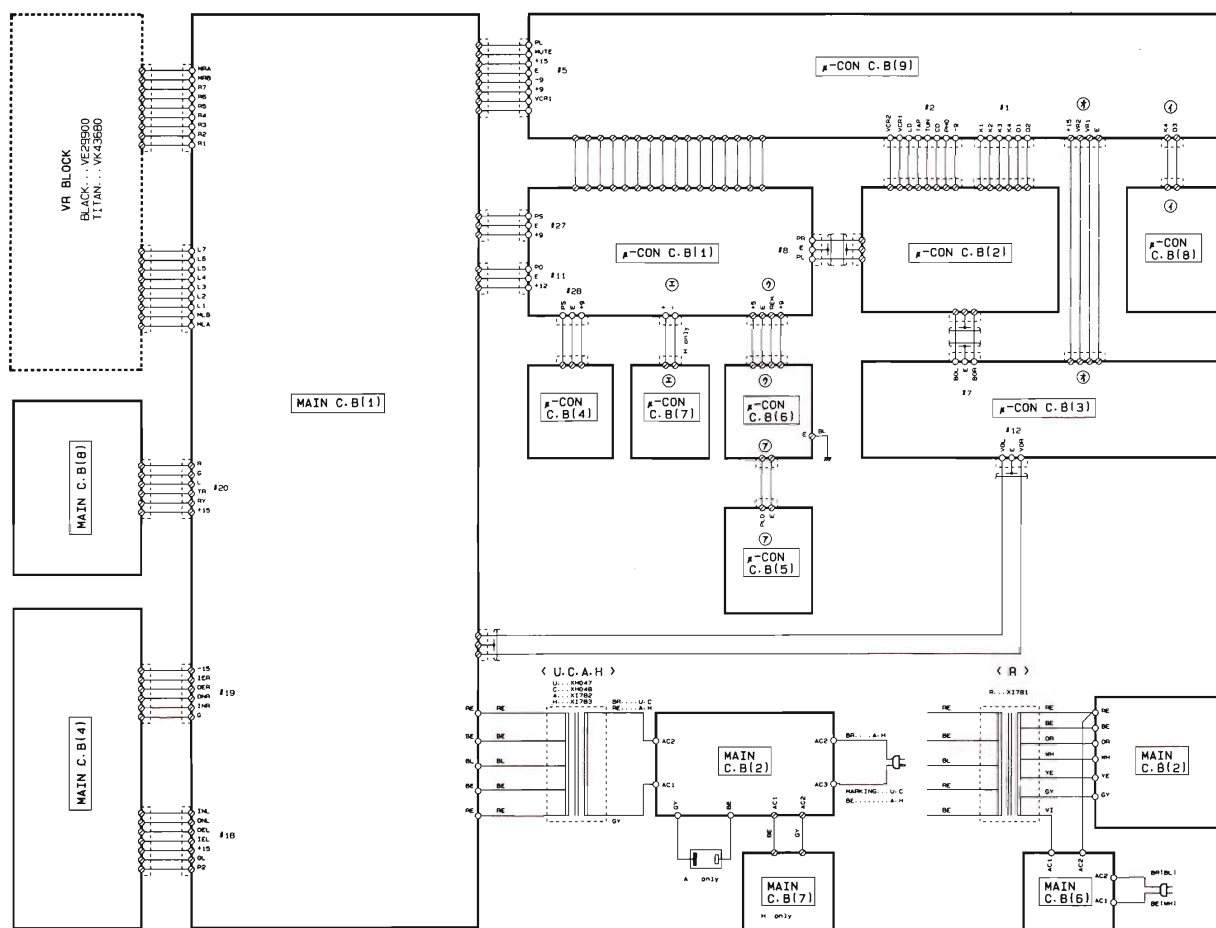
EQ. UNIT (SLIDE POTENTIOMETER BLOCK)



μ -COM C. B (8)

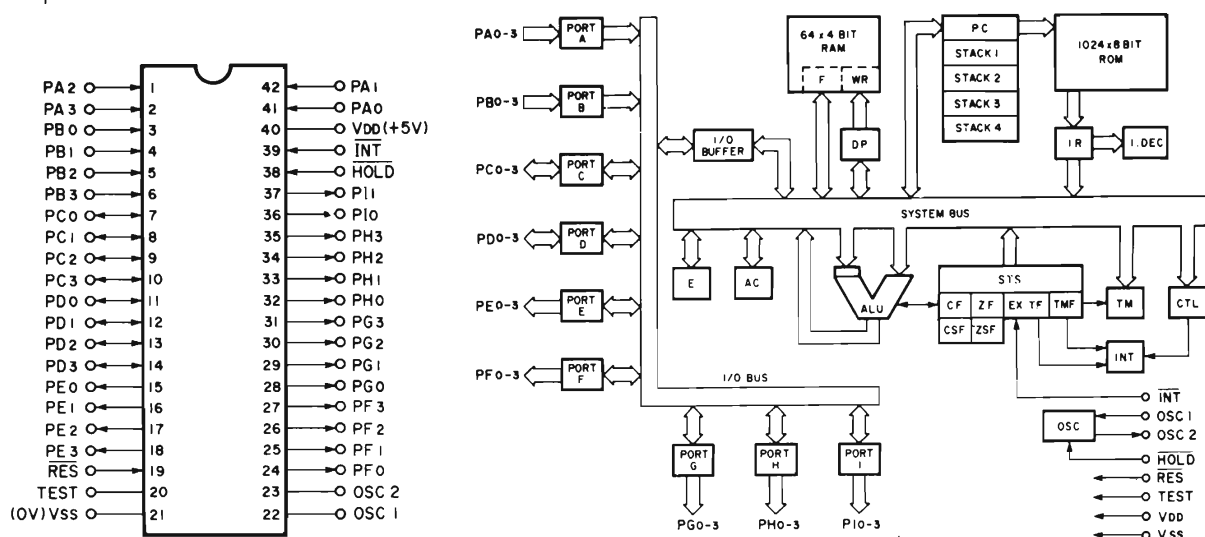


■ INTERCONNECT WIRING DIAGRAM



■ IC DATA

IC10 : LC6505C-4277
4 bit μ -COM



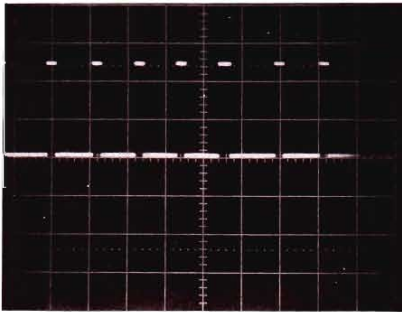
Pin No.	Name	I/O	Function	Pin No.	Name	I/O	Function
1	PA2	I	Not used	24	PF0	O	PHONO
2	PA3	I	H level (TAPE MON)	25	PF1	O	CD
3	PB0	I	K1 } Key input (H : ON)	26	PF2	O	TUNER
4	PB1	I		27	PF3	O	VDP
5	PB2	I		28	PG0	O	TAPE
6	PB3	I		29	PG1	O	VCR
7	PC0	I/O	D1 } Key scan signal (H : Active)	30	PG2	O	Not used
8	PC1	I/O	D2 } Key scan signal (H : Active)	31	PG3	O	Power control signal (H : ON)
9	PC2	I/O	D3 } Key scan signal (H : Active)	32	PH0	O	Volume Up control signal
10	PC3	I/O	PLO PHONO PLAY/CUT Control signal	33	PH1	O	Volume Down control signal
11	PD0	I/O	Not used	34	PH2	O	TU2 } Tuner control signal (Not used)
12	PD1	I/O	CD0 } CD control signal (Not used)	35	PH3	O	
13	PD2	I/O	CD1 } CD control signal (Not used)	36	PI0	O	AMUTE Audio Muting control signal (L : Active) (Not used)
14	PD3	I/O	CD2 } CD control signal (Not used)	37	PI1	O	MUTE Muting control signal (L : Active)
15	PE0	I/O	TP0 } DECK control signal (Not used)	38	HOLD	I	μ -COM Back up control (L : Back up, H : Active)
16	PE1	O	TP1 } DECK control signal (Not used)	39	INT	I	+5V
17	PE2	O	TP2 } DECK control signal (Not used)	40	VDD	—	+5V
18	PE3	O	TP3 } DECK control signal (Not used)	41	PA0	I	Remote control Data input
19	RES	O	Reset input	42	PA1	I	Power ON/OFF back up (H : Back up, L : Ever ON)
20	TEST	I	LSI test terminal (GND)				
21	VSS	—	GND				
22	OSC1	—	μ -COM clock circuit 400kHz				
23	OSC2	I					

■ WAVEFORM OF TEST POINT

Point ①: D1, D2

(Pin 7 and 8 of IC10)

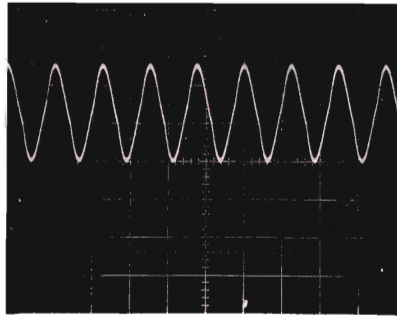
V : 2V/div H : 2msec/div
DC range 1 : 1 probe



Point ③: OSC

(Pin 23 of IC10)

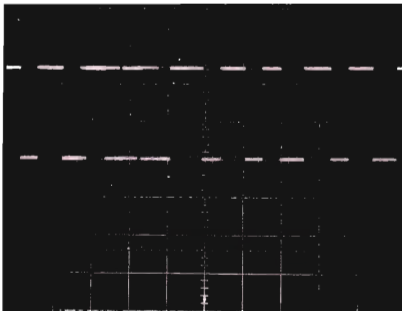
V : 2V/div H : 2μsec/div
DC range 1 : 1 probe



Point ②: D3

(Pin 9 of IC10)

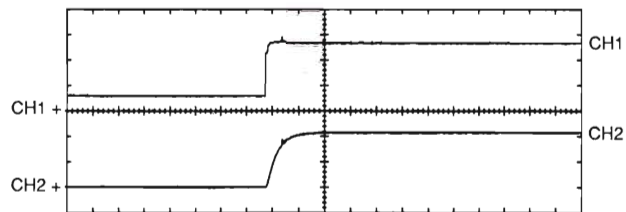
V : 2V/div H : 2msec/div
DC range 1 : 1 probe



Point ④: +5, $\overline{RES}$

(CH 1 : Emitter of Q9 CH 2 : Pin 19 of IC10)

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



When the power cord is connected to AC outlet.
(This waveform is not available by the power switch ON.)

3

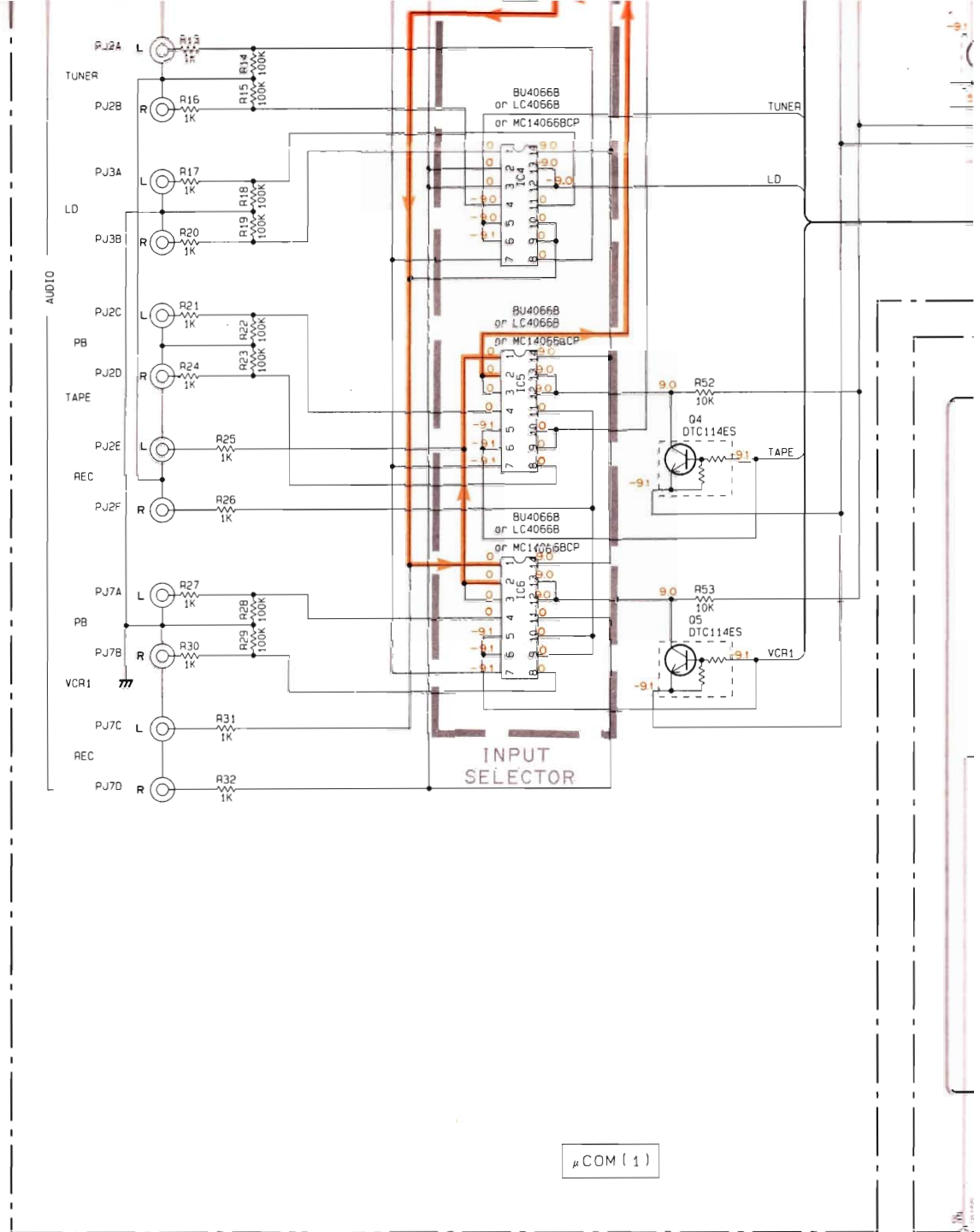
4

5

6

7

8



μCOM (1)

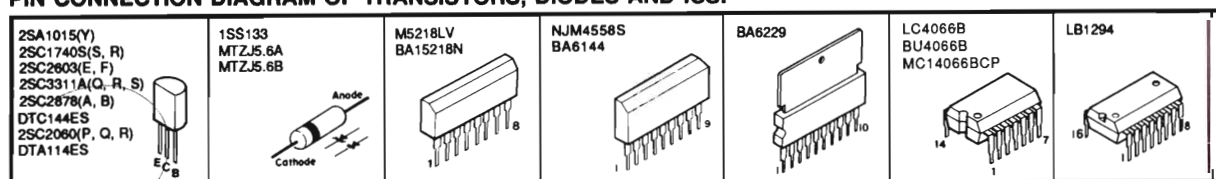
CAPACITOR

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

RESISTOR

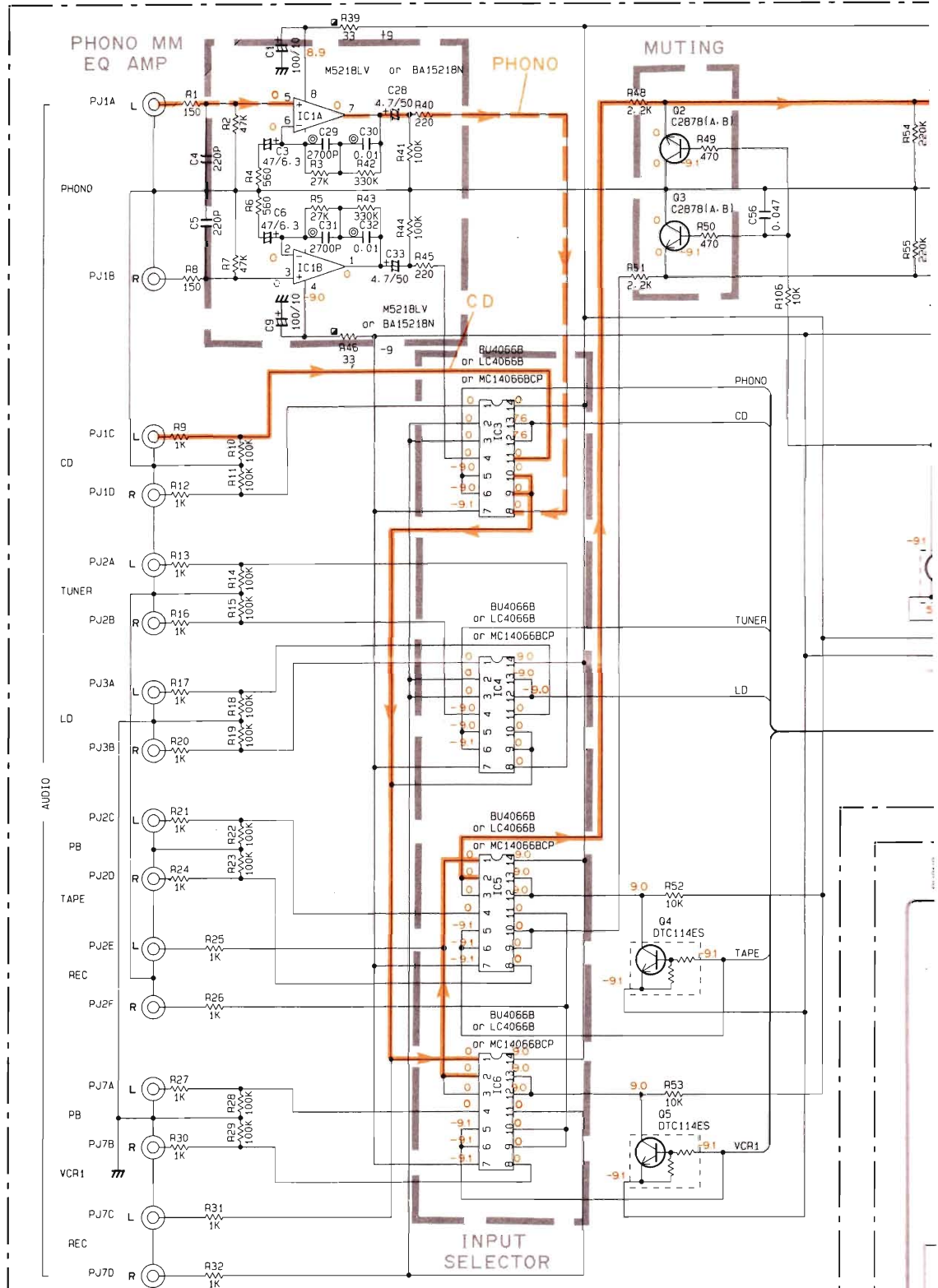
REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (1/6W)
⊗	CARBON FILM RESISTOR (1/4W)
△	METAL OXIDE FILM RESISTOR
⊗	METAL FILM RESISTOR
⊗	METAL PLATE RESISTOR
⊗	FIRE PROOF CARBON FILM RESISTOR
⊗	CEMENT MOLDED RESISTOR
⊗	SEMI VARIABLE RESISTOR
⊗	CHIP RESISTOR

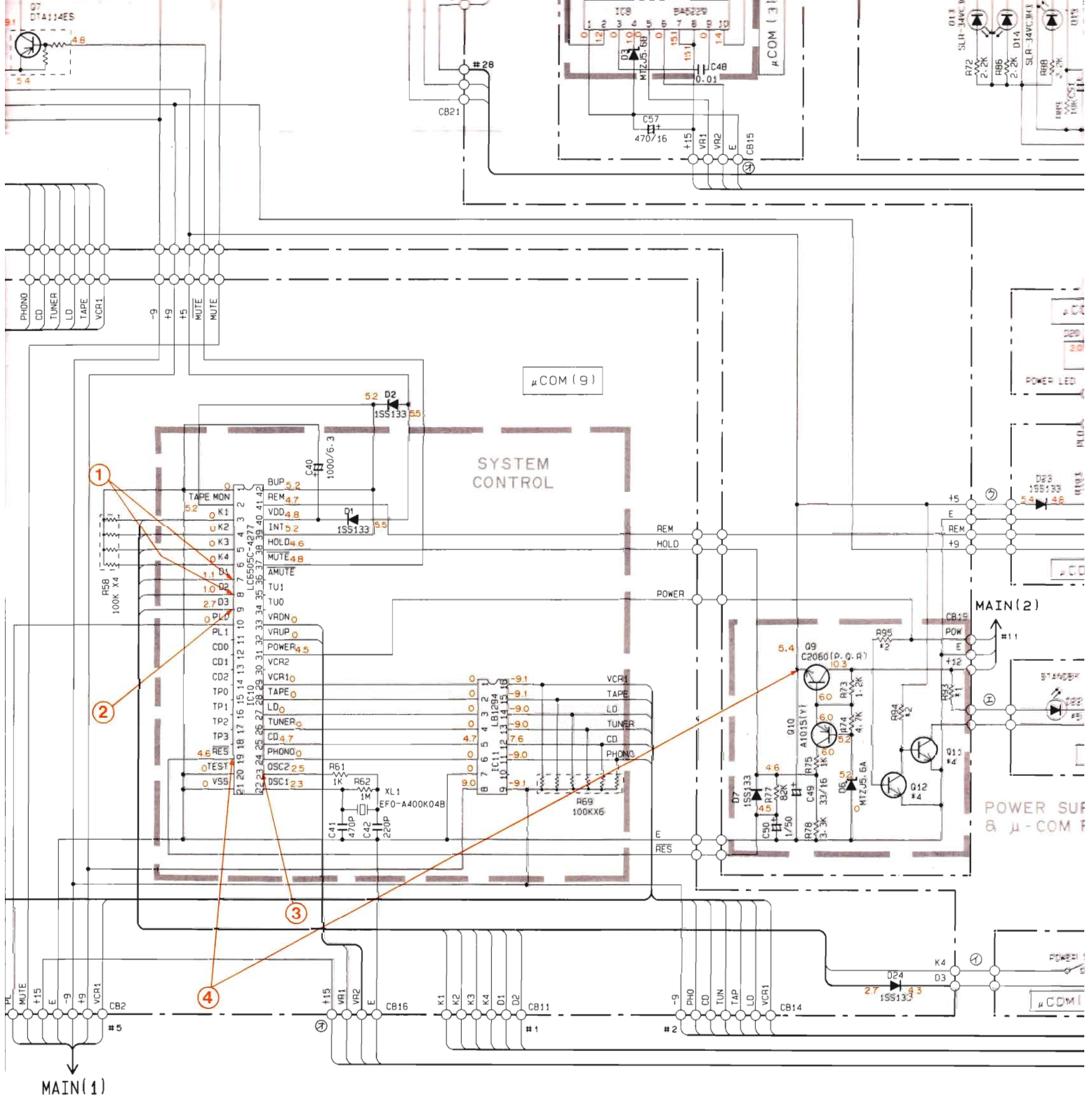
PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICs.



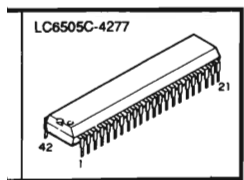
■ SCHEMATIC DIAGRAM

Condition : Set the Input selector to CD position.

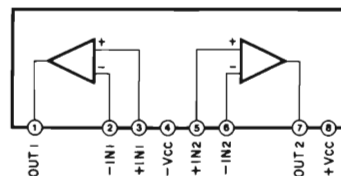




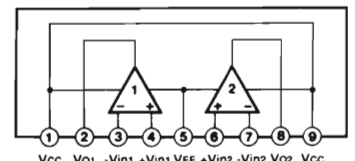
- Japanese model
 U.S.A model
 Canadian model
 Australian model
 European model
 British model
 General model
 AP model

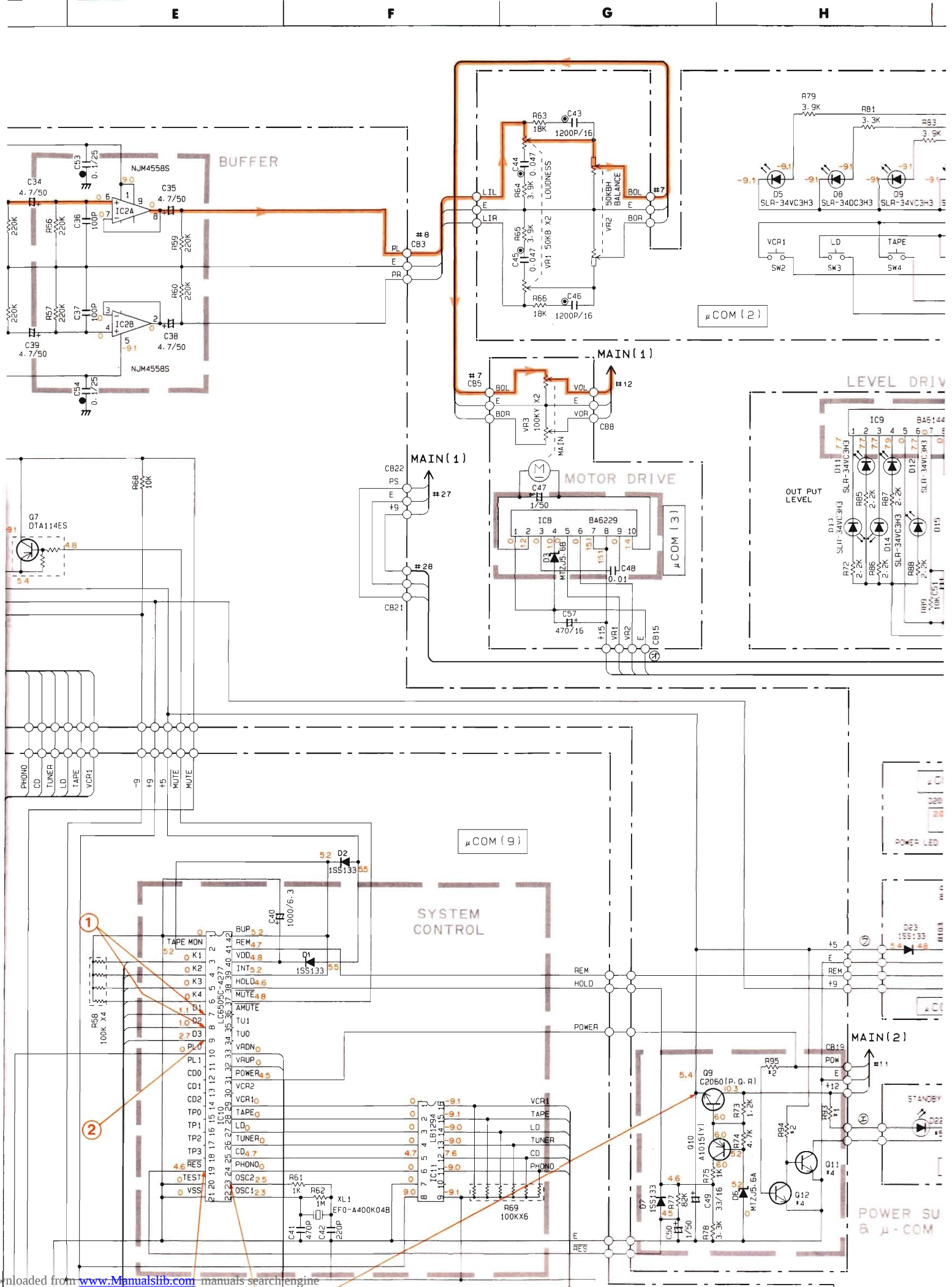


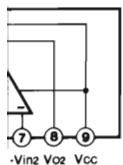
IC1 : BA15218N or M5218L (V)
Dual Ope-amp



IC2 : NJM4558S
Dual Ope-amp

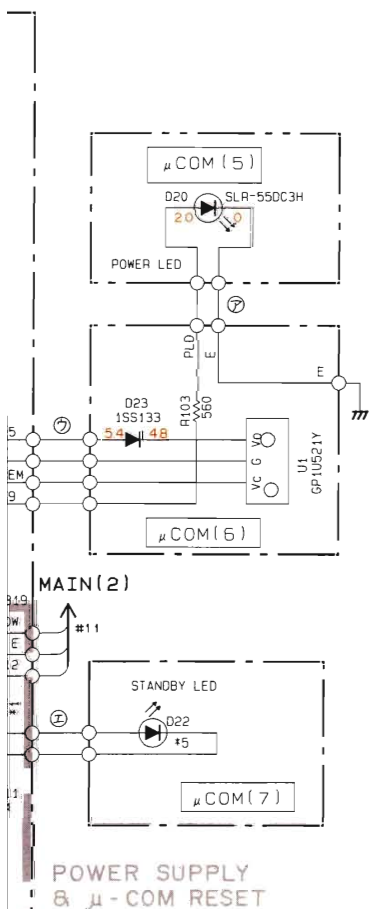
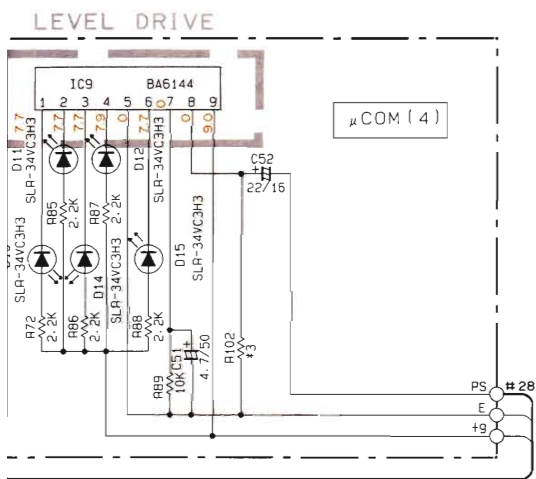
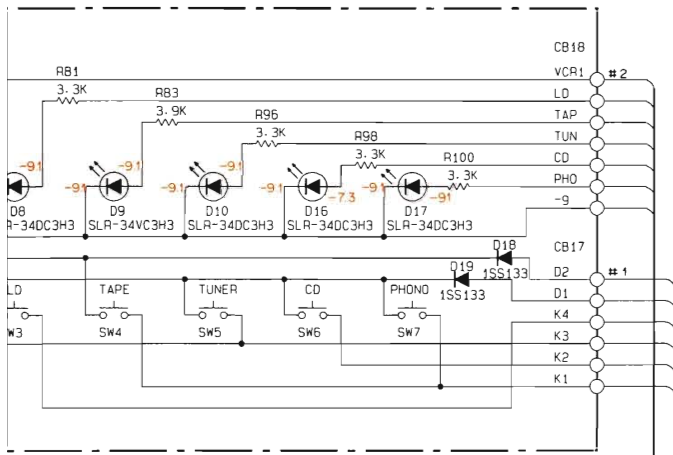






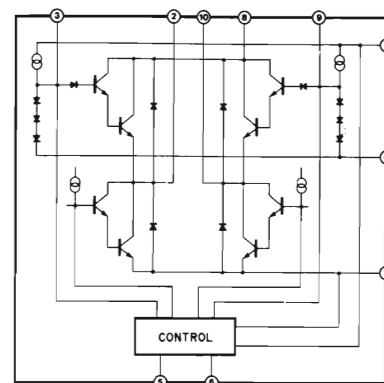
	LAST NO.
C	57
R	106
Q	12
D	24
IC	11
SW	8

- * All voltage are measured with a 10M Ω /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.



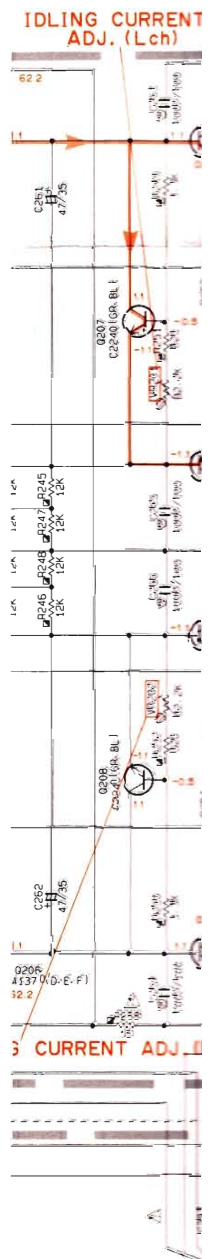
#		U. C. R. A	H
1	R93	OPEN	3.3K
2	R94, 95	OPEN	4.7K
3	R102	470	620
4	D11, 12	OPEN	2SC1740S(R. S) 2SC2603(E. F) 2SC3311A(Q. R. S)
5	D22	OPEN	SLR-34VC3H3

IC8 : BA6229
Motor Drive



IC11 : LB1294
LED Drive

	LAST NO.
C	57
R	105



NOTICE

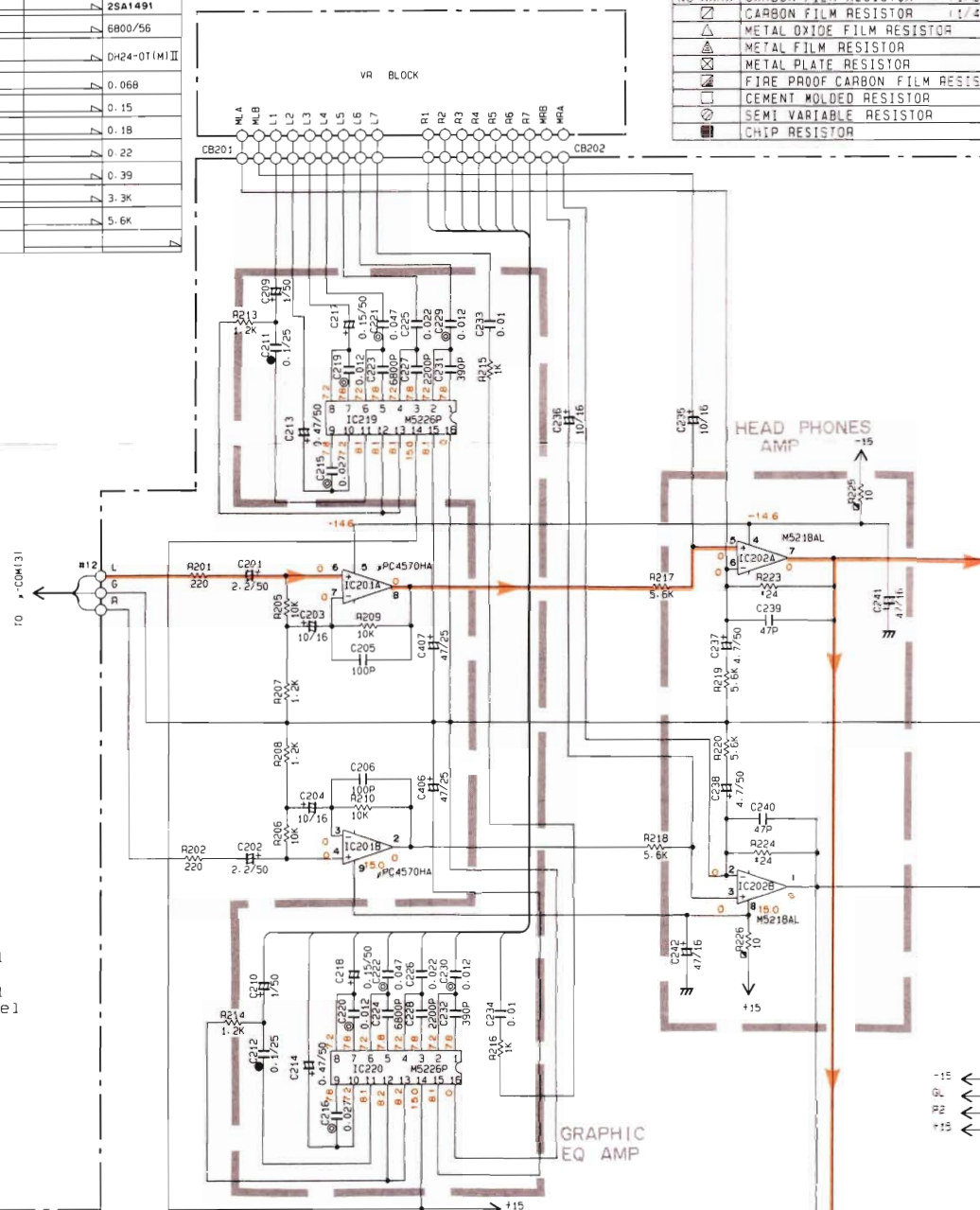
(J)..... Japanese model
 (U)..... U.S.A model
 (C)..... Canadian model
 (A)..... Australian model
 (G)..... European model
 (B)..... British model
 (R)..... General model
 (P)..... RP model

PIN CONNECTION DIAGRAM OF TRANSISTORS, DIODES AND ICS.

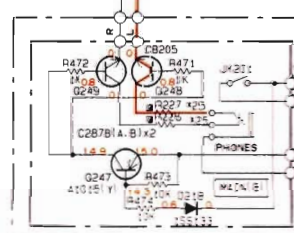
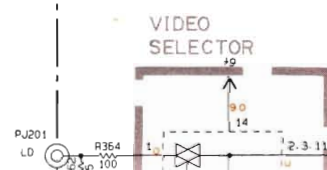
2SA1015(Y) 2SA970(GR, BL) 2SA1370(D, E, F) 2SC1815(Y) 2SC1740S(S, R) 2SC2603(E, F) 2SC3311A(Q, R, S) 2SC2240(GR, BL) 2SC2878(A, B) 	2SC2925T DTC144ES 2SD1485(P, Q, R) 	μPC2415HF AN78M09F 	AN79M15F AN79M09F 	2SA1358 2SC3421 	2SA1491 2SC3855 	4D4B41 2B4B41 	1SS133 MA185 ISR139-100T32 MTZJ12C 
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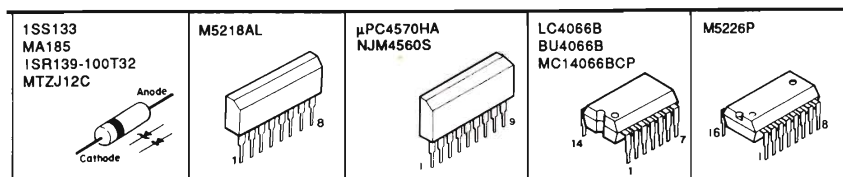
CAPACITOR	
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
⊙	AXIAL READ CERAMIC CAPACITOR
⊙	POLYESTER FILM CAPACITOR
⊙	POLYSTYRENE FILM CAPACITOR
⊙	MICA CAPACITOR
⊙	POLYPROPYLENE FILM CAPACITOR
⊙	SEMICONDUCTIVE CERAMIC CAPACITOR

RESISTOR		
REMARKS	PARTS	NAME
NO MARK	CARBON FILM RESISTOR	11/4
☒	CARBON FILM RESISTOR	11/4
☐	METAL OXIDE FILM RESISTOR	
☐	METAL FILM RESISTOR	
☒	METAL PLATE RESISTOR	
☒	FIRE PROOF CARBON FILM RESISTOR	
☐	CEMENT MOLDED RESISTOR	
☐	SEMI VARIABLE RESISTOR	
☒	CHIP RESISTOR	

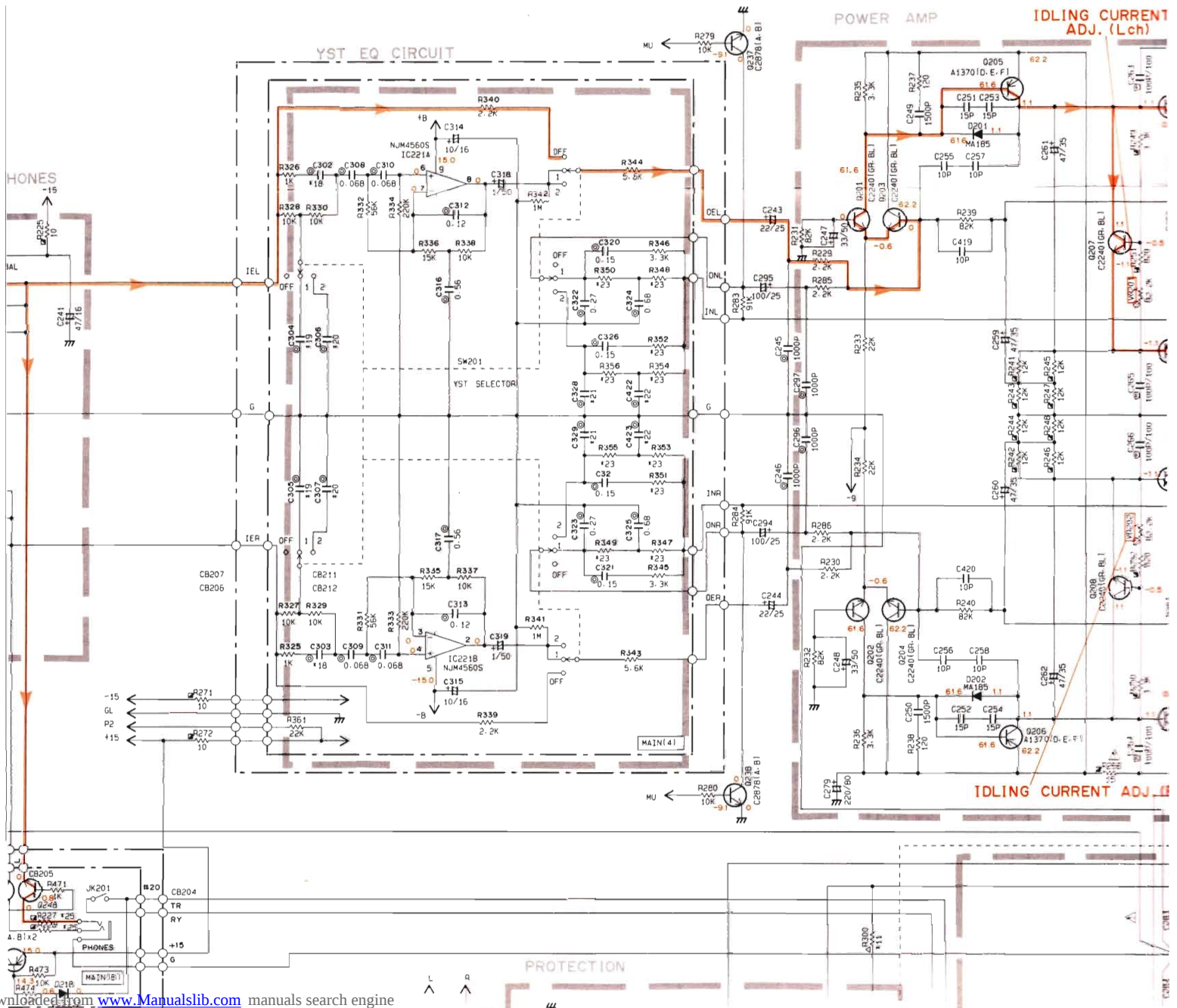
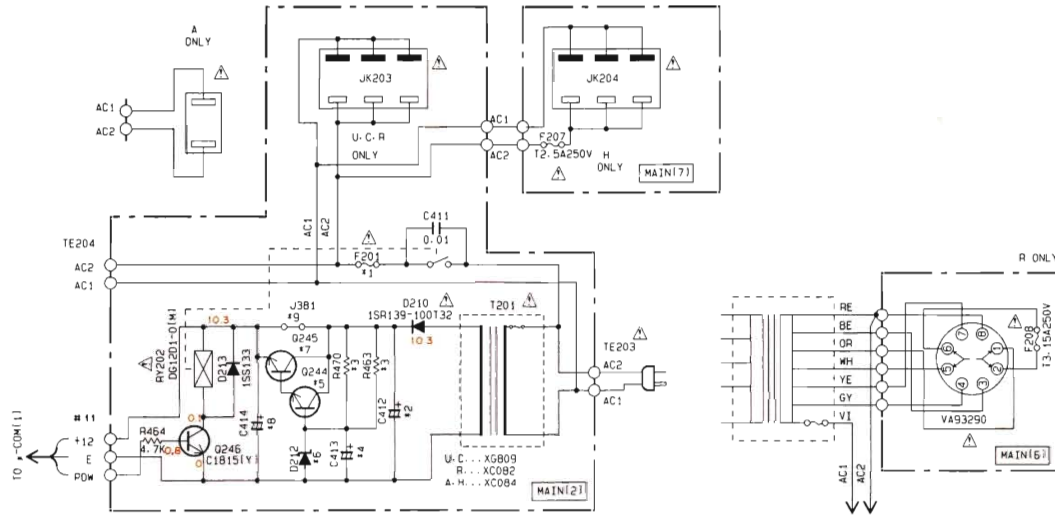


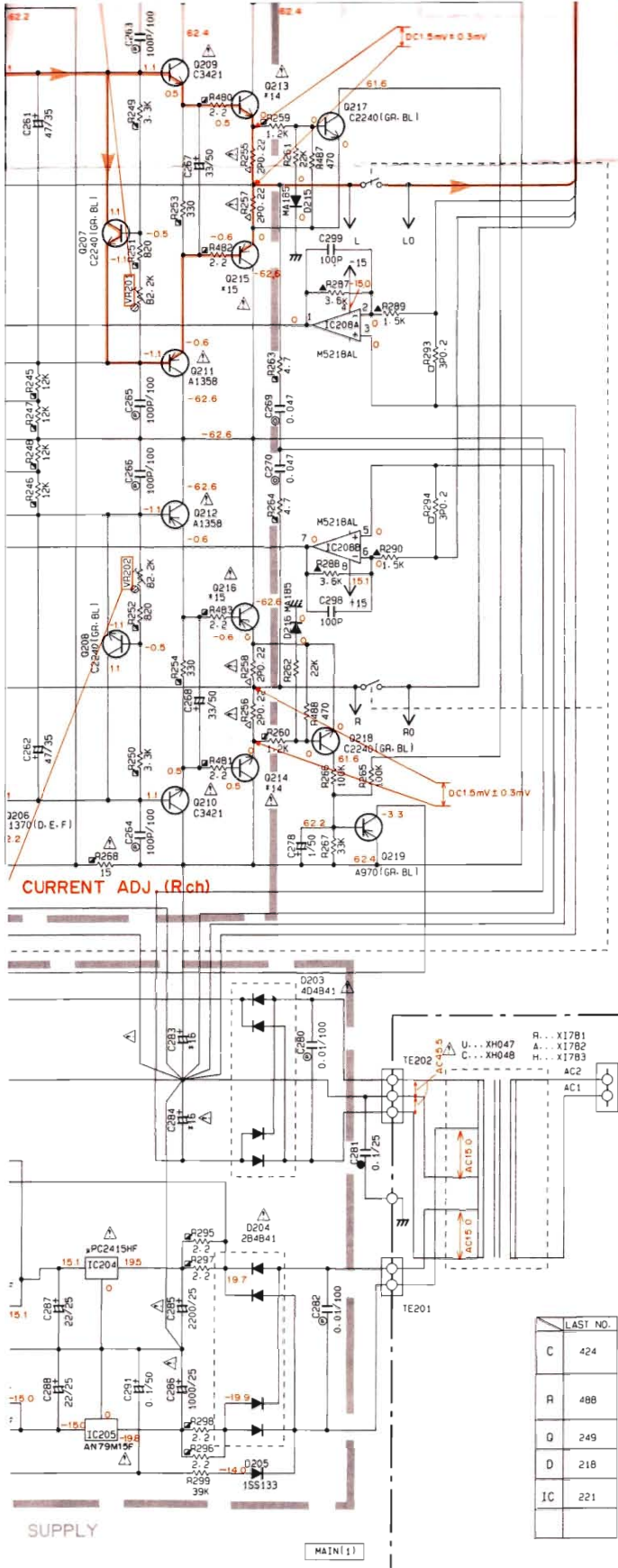
(J)..... Japanese model
(U)..... U.S.A model
(C)..... Canadian model
(A)..... Australian model
(G)..... European model
(B)..... British model
(R)..... General model
(P)..... RP model



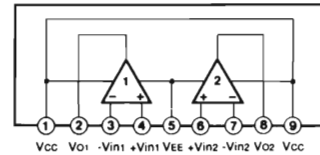


PARTS	NAME
1LM	RESISTOR (1/6W)
1LM	RESISTOR (1/4W)
IDE	FILM RESISTOR
LM	RESISTOR
ATE	RESISTOR
OF	CARBON FILM RESISTOR
OLDED	RESISTOR
ABLE	RESISTOR
ISTOR	

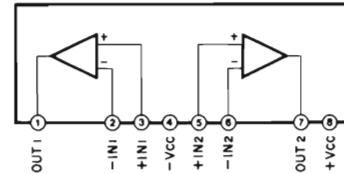




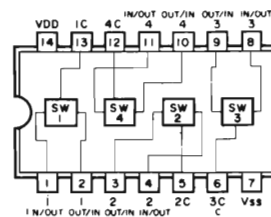
IC201 : μ PC4570HA
IC221 : NJM4560S
Dual Ope-amp



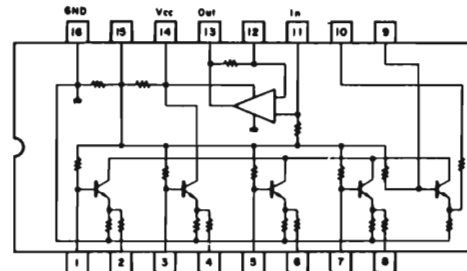
IC202, 208 : M5218AL
Dual Ope-amp



IC203 : LC4066B, MC14066BCP or
BU4066B
Quad Bilateral Switch

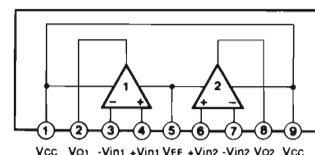
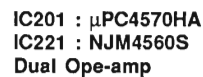


IC219, 220 : M5226P
Wqualizer Amp

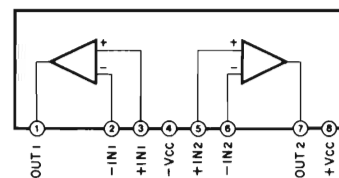


- * All voltage are measured with a 10M Ω /V DC electric volt meter.
- * Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.
- * Schematic diagram is subject to change without notice.

Mark	Reference Parts Number	Parts Name
#1	Q223	2SC1740S(S, R) 2SC2603(E, F) 2SC3311A(I, Q, S)



IC202, 208 : M5218AL
Dual Ope-amp



IC203 : LC4066B, MC14066BCP or
BU4066B
Quad Bilateral Switch

PARTS LIST

■ WARNING

AV-80Y

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. 29.

■ ELECTRICAL PARTS

Ref. NO.	PART NO.	Description	部 品 名	Remarks	Markets	ランク
	VK461400	MAIN CIRCUIT BOARD	メインシート		U	
	VK461500	MAIN CIRCUIT BOARD	メインシート		C	
	VK461600	MAIN CIRCUIT BOARD	メインシート		R	
	VK461700	MAIN CIRCUIT BOARD	メインシート		A	
	VK461800	MAIN CIRCUIT BOARD	メインシート		H	
	FA153100	MYLAR FILM CAP	1000pF 50V	マイラーコン	C245, 246, 296, 267	
	FA154120	MYLAR FILM CAP	0.012uF 50V	マイラーコン	C219, 220, 229, 230	
	FA154270	MYLAR FILM CAP	0.027uF 50V	マイラーコン	C215, 216	
	FA154470	MYLAR FILM CAP	0.047uF 50V	マイラーコン	C221, 222, 269, 270	
	FA154680	MYLAR FILM CAP	0.068uF 50V	マイラーコン	C308-311	
	FA154820	MYLAR FILM CAP	0.082uF 50V	マイラーコン	C302, 303	UCRA
	FA154680	MYLAR FILM CAP	0.068uF 50V	マイラーコン	C302, 303	H
	FA155120	MYLAR FILM CAP	0.12uF 50V	マイラーコン	C312, 313	
	FA155150	MYLAR FILM CAP	0.15uF 50V	マイラーコン	C320, 321, 326, 327	
	FA155270	MYLAR FILM CAP	0.27uF 50V	マイラーコン	C304, 305	UCRA
	FA155150	MYLAR FILM CAP	0.15uF 50V	マイラーコン	C304, 305	H
	FA155270	MYLAR FILM CAP	0.27uF 50V	マイラーコン	C322, 323	
	FA155330	MYLAR FILM CAP	0.33uF 50V	マイラーコン	C306, 307	UCRA
	FA155180	MYLAR FILM CAP	0.18uF 50V	マイラーコン	C306, 307	H
	FA155330	MYLAR FILM CAP	0.33uF 50V	マイラーコン	C328, 329	UCRA
	FA155220	MYLAR FILM CAP	0.22uF 50V	マイラーコン	C328, 329	H
	FA155560	MYLAR FILM CAP	0.56uF 50V	マイラーコン	C316, 317	
	FA155680	MYLAR FILM CAP	0.68uF 50V	マイラーコン	C324, 325	
	FA155560	MYLAR FILM CAP	0.56uF 50V	マイラーコン	C422, 423	UCRA
	FA155390	MYLAR FILM CAP	0.39uF 50V	マイラーコン	C422, 423	H
	UT452100	POLYPROPYLENE FILM CAP	100pF 100V	PPコン	C263-266	
	UT454100	POLYPROPYLENE FILM CAP	0.01uF 100V	PPコン	C280, 282	
	FG211100	CERAMIC CAP	10rF 50V	セラコン	C255-258, 419, 420	
	FG211150	CERAMIC CAP	15pF 50V	セラコン	C251-254	
	FG211220	CERAMIC CAP	22rF 50V	セラコン	C334, 335	
	FG211470	CERAMIC CAP	47pF 50V	セラコン	C239, 240	
	FG212100	CERAMIC CAP	100rF 50V	セラコン	C205, 206, 298, 299	
	FG212390	CERAMIC CAP	390pF 50V	セラコン	C231, 232	
	FG213150	CERAMIC CAP	1500pF 50V	セラコン	C249, 250	
	FG213220	CERAMIC CAP	2200pF 50V	セラコン	C227, 228	
	FG213680	CERAMIC CAP	6800pF 50V	セラコン	C223, 224	
	FG244100	CERAMIC CAP	0.01uF 50V	セラコン	C233, 234	
	FG244220	CERAMIC CAP	0.022uF 50V	セラコン	C225, 226	
	UJ818220	ELECTROLYTIC CAP	220uF 6.3V	ケミコン	C292	
	UJ728100	ELECTROLYTIC CAP	100uF 10V	ケミコン	C336, 337	
	UJ737100	ELECTROLYTIC CAP	10uF 16V	ケミコン	C203, 204, 235, 236, 314, 315	
	UJ737100	ELECTROLYTIC CAP	10uF 16V	ケミコン	C414	R
	UJ837330	ELECTROLYTIC CAP	33uF 16V	ケミコン	C293	
	UJ737470	ELECTROLYTIC CAP	47uF 16V	ケミコン	C241, 242, 332, 333	
	UJ737470	ELECTROLYTIC CAP	47uF 16V	ケミコン	C413	R
	UJH129100	ELECTROLYTIC CAP	1000uF 10V	ケミコン	C330, 331	
	UJ847220	ELECTROLYTIC CAP	22uF 25V	ケミコン	C243, 244, 287-290	
	UJ747470	ELECTROLYTIC CAP	47uF 25V	ケミコン	C406, 407	
	UJ848100	ELECTROLYTIC CAP	100uF 25V	ケミコン	C294, 295	

※ New Parts (新規部品)

ランク : Japan only

AV-80Y

Ref. NO.	PART NO.	Description	部 品 名	Remarks	Markets	シ
	UJ757470	ELECTROLYTIC CAP	47uF 35V	ケミコン	C259-262	
	UJ865100	ELECTROLYTIC CAP	0.1uF 50V	ケミコン	C291	
	UJ865150	ELECTROLYTIC CAP	0.15uF 50V	ケミコン	C217,218	
	UJ865470	ELECTROLYTIC CAP	0.47uF 50V	ケミコン	C213,214	
	UJ766100	ELECTROLYTIC CAP	1uF 50V	ケミコン	C209,210,278,318,319	
	UJ766220	ELECTROLYTIC CAP	2.2uF 50V	ケミコン	C201,202	
	UJ866470	ELECTROLYTIC CAP	4.7uF 50V	ケミコン	C237,238	
	UJ748470	ELECTROLYTIC CAP	470uF 25V	ケミコン	C412	UCAH
	UJ178470	ELECTROLYTIC CAP	470uF 63V	ケミコン	C412	R
	UW88220	ELECTROLYTIC CAP	220uF 80V	ケミコン	C279	
	UJ149100	ELECTROLYTIC CAP	1000uF 25V	ケミコン	C286	
	UJ149220	ELECTROLYTIC CAP	2200uF 25V	ケミコン	C285	
	V166900	ELECTROLYTIC CAP	8200uF 71V	ケミコン	C283,284	UCRA
	VK574700	ELECTROLYTIC CAP	6800uF 56V	ケミコン	C283,284	H
	UK137100	ELECTROLYTIC CAP	10uF 16V	B P ケミコン	C338	
	UK347330	ELECTROLYTIC CAP	33uF 25V	B P ケミコン	C424	
	VG291100	ELECTROLYTIC CAP	33uF 50V	ケミコン	C247,248,267,268	
	F1514100	CERAMIC CAP	0.01uF VA-1	スパークキラーコン	C411	UCRA
	F1504100	CERAMIC CAP	0.01uF VA-1	スパークキラーコン	C411	H
	VD930900	SEMI-CONDUCTIVE CERAMIC CAP	0.1uF 25V	半導体セラコン	C211,212,281	
	GD900470	COIL	1.5uH RZ-001	空芯コイル	L201,202	
	HV453220	FLAME PROOF CARBON RESISTOR	2.2 Ω 1/4W	不燃化カーボン抵抗	R295-298,391,480-483	
	HV453470	FLAME PROOF CARBON RESISTOR	4.7 Ω 1/4W	不燃化カーボン抵抗	R263,264,269,270	
	HV454100	FLAME PROOF CARBON RESISTOR	10 Ω 1/4W	不燃化カーボン抵抗	R225,226,271,272	
	HV454150	FLAME PROOF CARBON RESISTOR	15 Ω 1/4W	不燃化カーボン抵抗	R268	
	HV454330	FLAME PROOF CARBON RESISTOR	33 Ω 1/4W	不燃化カーボン抵抗	R378,379	
	HV455150	FLAME PROOF CARBON RESISTOR	150 Ω 1/4W	不燃化カーボン抵抗	R227,228	UC
	HV455100	FLAME PROOF CARBON RESISTOR	100 Ω 1/4W	不燃化カーボン抵抗	R227,228	RAH
	HV455270	FLAME PROOF CARBON RESISTOR	270 Ω 1/4W	不燃化カーボン抵抗	R370,375	
	HV455330	FLAME PROOF CARBON RESISTOR	330 Ω 1/4W	不燃化カーボン抵抗	R253,254,368,373	
	HV455820	FLAME PROOF CARBON RESISTOR	820 Ω 1/4W	不燃化カーボン抵抗	R251,252	
	HV456120	FLAME PROOF CARBON RESISTOR	1.2K Ω 1/4W	不燃化カーボン抵抗	R259,260	
	HV456330	FLAME PROOF CARBON RESISTOR	3.3K Ω 1/4W	不燃化カーボン抵抗	R249,250	
	HV457120	FLAME PROOF CARBON RESISTOR	12K Ω 1/4W	不燃化カーボン抵抗	R241-248	
	HM576150	METAL FILM RESISTOR	1.5K Ω 1/4W	金属皮膜抵抗	R289,290	
	HU576360	METAL FILM RESISTOR	3.6K Ω 1/4W	金属皮膜抵抗	R287,288	
	HL322220	METAL OXIDE RESISTOR	0.22 Ω 2W	酸化金属薄膜抵抗	R255-258	
	HL326180	METAL OXIDE RESISTOR	1.8K Ω 2W	酸化金属薄膜抵抗	R300	UC
	HL326100	METAL OXIDE FILM RESISTOR	1K Ω 2W	酸化金属皮膜抵抗	R300	H
	HL326120	METAL OXIDE RESISTOR	1.2K Ω 2W	酸化金属薄膜抵抗	R300	RA
	V1470300	WIRE WOUND RESISTOR	0.2 Ω 3W	セメント抵抗	R293,294	
	XU503A00	IC	uPC2415HF	I C	IC204	
	XB467001	IC	AN79M15F	I C	IC205	
	XU471A00	IC	M5218AL	I C	IC202,208	
	XB247301	IC	uPC4570HA	I C	IC201	
	IG151100	IC	M5226P	I C	IC219,220	
	IG121800	IC	NJM4560S	I C	IC221	
	XF635A00	IC	AN78M09F	I C	IC206	
	XF637A00	IC	AN79M09F	I C	IC207	
	XD148A00	IC	BU406GB	I C	IC203	

*New Parts (新規部品)

ランク : Japan only

Ref. NO.	PART NO.	Description	部 品 名	Remarks	Markets	ランク
	VI283000	SLIDE SWITCH	SSSF16	スライド SW	SW201 YST-SELECTOR	
	KC002020	RELAY	DH24D2-OTM	リレー	RY201	UCRA
	VK438300	RELAY	DH24D2-OT(M)-II	リレー	RY201	H
	VD506000	RELAY	AC DG12D1-0(M)	リレー	RY202	
	KB001520	FUSE	7A 125V	ヒューズ	F201	UC
	KB001300	FUSE	T7A 250V	ヒューズ	F201	R
	KB002980	FUSE	T2.5A 250V	ヒューズ	F201	AH
	KB000690	FUSE	T2.5A 250V	ヒューズ	F207	H
	KB003090	FUSE	T3.15A 250V	ヒューズ	F208	R
	LA002000	WRAPPING TERMINAL	2P i-TYPE P=7.5	ラッピング端子	TE201	
	LA002320	WRAPPING TERMINAL	3P i-TYPE P=7.5	ラッピング端子	TE202	
	LA002140	WRAPPING TERMINAL	2P i-TYPE P=10	ラッピング端子	TE203,204	
	VG741000	SPEAKER TERMINAL	4P	スピーカターミナル	TE205	
	VI683800	PIN JACK	1P T6312-CAAD	ピンジャック	PJ203	
	VI683900	PIN JACK	3P T6125-BAAE	ピンジャック	PJ201	
	VI661600	PHONES JACK	M1658-A0AA	ヘッドホンジャック	JK201	
	VE116900	MINI JACK	EX362GL	ミニジャック	JK202	
	VI327500	AC OUTLET		AC アウトレット	JK203	UCR
	VI283100	AC OUTLET	YKE31-0092	AC アウトレット	JK204	H
	VD005200	BASE PIN	PH 9P TE	ベースピン	CB201,202	
	VA725600	HOLDER	6P	パラレルホルダ	CB204,205,207,211	
	VA725700	HOLDER	7P	パラレルホルダ	CB206,212	
	VA725800	HOLDER,WIRE	8P	パラレルホルダ	CB203	
	VA787700	PRE-SET POTENTIOMETER	B2.2K Ω	半固定VR	VR201,202	
	IA101521	TRANSISTOR	2SA1015 Y	トランジスタ	Q224,226,247	
	IA097000	TRANSISTOR	2SA970 GR,BL	トランジスタ	Q219	
	VA854700	TRANSISTOR	2SA1370 D,E,F	トランジスタ	Q205,206	
	IC1815C0	TRANSISTOR	2SC1815 Y	トランジスタ	Q227,229,246	
	IC174070	TRANSISTOR	2SC1740S R,S	トランジスタ	Q223	
	IC224000	TRANSISTOR	2SC2240 GR,BL	トランジスタ	Q201-204,207,208,217,	
	IC224000	TRANSISTOR	2SC2240 GR,BL	トランジスタ	218,220,221	
	IC287800	TRANSISTOR	2SC2878 A,B	トランジスタ	Q244	R
	VE919600	TRANSISTOR	2SC2925 T	トランジスタ	Q222,237,238,248,249	
	VB222700	TRANSISTOR	2SD1485 P,Q,R	トランジスタ	Q232	
	IX608510	TRANSISTOR	2SA1358	トランジスタ	Q245	R
	IX608520	TRANSISTOR	2SC3421	トランジスタ	Q211,212	
	VG722000	DIGITAL TRANSISTOR	DTC144ES	デジタルトランジスタ	Q209,210	
	VH770800	DIODE	1SR139-100 T-32	ダイオード	Q230	
	IF004600	DIODE	1SS133	ダイオード	D210	
	VC398400	DIODE	MA185	ダイオード	D205,213,217,218	
	IH001160	DIODE BRIDGE	4D4B41	ダイオードスタック	D201,202,206,215,216	
	IH000990	DIODE BRIDGE	2B4B41 2A 100V	ダイオードスタック	D203	
	VG440300	ZENER DIODE	MTZJ12C	ツェナーダイオード	D204	
	XG809A00	SUB TRANSFORMER		サプトランス	D212	R
	XC082A00	SUB TRANSFORMER		サプトランス	T201	UC
	XC084A00	SUB TRANSFORMER		サプトランス	T201	R
	LB201880	FUSE HOLDER PIN	PC-FH1	ヒューズホルダピン		AH
	CB644670	CAP,CAPACITOR		コンデンサカバー		H
	BA092970	RADIATOR		放熱器		

*New Parts (新規部品)

ランク : Japan only

Ref. No.	PART NO.	Description	部 品 名	Remarks	Markets	ランク
	BB06G290	WASHER, GROUND	アースワッシャー			
	BR071360	TERMINAL, SCREW	ネジ端子			
	VF453200	RADIATOR	ラジエータ		C	
	ED330086	BIND HEAD SCREW	3x8 FCRM3-BL バインド小ネジ			
	EZ001350	CUP B-TITE SCREW	3x14 FCRM3-BL カップネジBタイト		C	
	VK462100	μ -COM CIRCUIT BOARD	マイコンシート		UCRA	
	VK625700	μ -COM CIRCUIT BOARD	マイコンシート		H	
	FA153270	MYLAR FILM CAP	2700pF 50V マイラーコン	C29,31		
	FA154100	MYLAR FILM CAP	0.01uF 50V マイラーコン	C30,32		
	FG212100	CERAMIC CAP	100pF 50V セラコン	C36,37		
	FG212220	CERAMIC CAP	220pF 50V セラコン	C4,5,42		
	FG212470	CERAMIC CAP	470pF 50V セラコン	C41		
	FG244100	CERAMIC CAP	0.01uF 50V セラコン	C48		
	FG244470	CERAMIC CAP	0.047uF 50V セラコン	C56		
	VG279100	CERAMIC CAP	1200pF 16V 円筒セラコン	C43,46		
	V1101300	CERAMIC CAP	0.047uF 50V 円筒セラコン	C44,45		
	UJ817470	ELECTROLYTIC CAP	47uF 6.3V ケミコン	C3,6		
	UJ719100	ELECTROLYTIC CAP	1000uF 6.3V ケミコン	C40		
	UJ728100	ELECTROLYTIC CAP	100uF 10V ケミコン	C1,9		
	UJ837330	ELECTROLYTIC CAP	33uF 16V ケミコン	C49		
	UJ838470	ELECTROLYTIC CAP	470uF 16V ケミコン	C57		
	UJ766100	ELECTROLYTIC CAP	1uF 50V ケミコン	C50		
	UJ866470	ELECTROLYTIC CAP	4.7uF 50V ケミコン	C28,33-35,38,39		
	UM397220	ELECTROLYTIC CAP	22uF 16V ケミコン	C52		
	UM416470	ELECTROLYTIC CAP	4.7uF 50V ケミコン	C51		
	FM116100	ELECTROLYTIC CAP	1uF 50V B P ケミコン	C47		
	VD930900	SEMI-CONDUCTIVE CERAMIC CAP	0.1uF 25V 半導体セラコン	C53,54		
	IIV454330	FLAME PROOF CARBON RESISTOR	33 Ω 1/4W 不燃化カーボン抵抗	R39,46		
	VI660300	RESISTOR ARRAY	100K Ω x4 抵抗アレイ	R58		
	VJ660200	RESISTOR ARRAY	100K Ω x6 抵抗アレイ	R69		
	XG938A00	IC	RA15218N I C	IC1		
	IG076800	IC	HJM4558S I C	IC2		
	XD148A00	IC	BU4066B I C	IC3-6		
	XA549001	IC	LB1294 I C	IC11		
	XA552001	IC	BAG144 I C	IC9		
	IG152500	IC	BAG229 I C	IC8		
	XH076A00	IC	LC6505C-4277 I C	IC10		
	VE989900	LIGHT DETECTING MODULE	GP1U521Y リモコン受光ユニット	U1		
	KA906380	PUSH SWITCH	ブッシュSW	SW2-7 1HP, SELECTOR		
	KA804550	PUSH SWITCH	ブッシュスイッチ	SW8 POWER		
	LB202270	PIN JACK	2P ピンジャック	PJ3		
	LB401040	PIN JACK	4P T5858-A ピンジャック	PJ7		
	LB401050	PIN JACK	4P ピンジャック	PJ1		

*New Parts (新規部品)

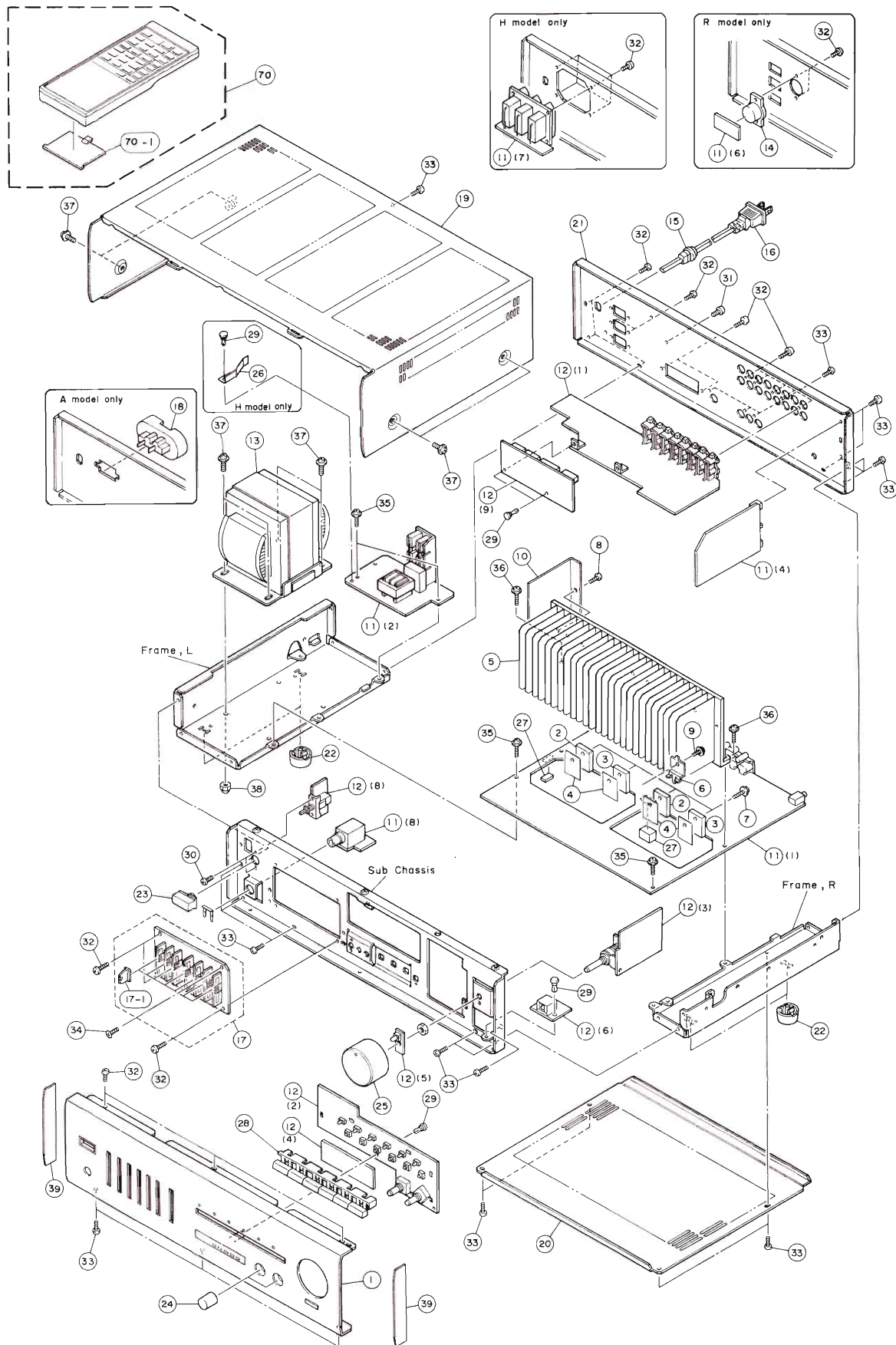
ランク : Japan only

Ref. NO.	PART NO.	Description	部 品 名	Remarks	Markets	ランク
	LB606090	PIN JACK	T5916-A	ピンジャック	PJ2	
	VA826700	SOCKET	6P	ジャンパーソケット	CB11	
	VA826900	SOCKET	8P	ジャンパーソケット	CB2,14	
	VD004600	BASE PIN	PH 3P TE	ベースピン	CB3,5,8,19,21,22	
	VI583600	CERAMIC RESONATOR	400K	セラミック振動子	XL1	
	VI136900	POTENTIOMETER	B50K $\Omega \times 2$	二連ロータリーV R	VR1 LOUDNESS	
	VI137000	POTENTIOMETER	BI150K Ω	二連ロータリーV R	VR2 BALANCE	
	VI660400	POTENTIOMETER WITH MOTOR	Y100K $\Omega \times 2$	モーター付V R	VR3 VOLUME	
	VA725400	HOLDER	4P	パラレルホルダ	CB15,16	
	VA725600	HOLDER	6P	パラレルホルダ	CB17	
	VA725800	HOLDER, WIRE	8P	パラレルホルダ	CB18	
	IA101521	TRANSISTOR	2SA1015 Y	トランジスタ	Q10	
	IC206000	TRANSISTOR	2SC2060 P,Q,R	トランジスタ	Q9	
	IC287800	TRANSISTOR	2SC2878 A,B	トランジスタ	Q2,3	
	IC174070	TRANSISTOR	2SC1740S R,S	トランジスタ	Q11,12	H
	VD678500	DIGITAL TRANSISTOR	DTA114ES	デジタルトランジスタ	Q7	
	VD678700	DIGITAL TRANSISTOR	DTC114ES	デジタルトランジスタ	Q4,5	
	IF004600	DIODE	1SS133	ダイオード	D1,2,7,18,19,23,24	
	VG437600	ZENER DIODE	MTZJ5.6A	ツェナーダイオード	D6	
	VG437700	ZENER DIODE	MTZJ5.6B	ツェナーダイオード	D3	
	VF402500	LED	SLR-34DC3H3 (ORA)	L E D	D8,10,16,17	
	VII293600	LED	SLR-55DC3H (ORA)	L E D	D20	
	VI013600	LED	SLR-34VC3H3 (RED)	L E D	D5,9,11-15	
	VI013600	LED	SLR-34VC3H3 (RED)	L E D	D22	H
	BB071360	TERMINAL, SCREW	8.3x13	ネジ端子		
	CB091290	P.C.B SUPPORT	NO.1645	基板サポート		

*New Parts (新規部品)

ランク : Japan only

EXPLODED VIEW



MECHANISM PARTS

Note) Ø : Diameter

Ref. NO.	PART NO.	Description	部 品 名	Remarks	Markets	ランク
1	VK461200	PANEL UNIT	パネルユニット	BL	UCRA	
1	VK461300	PANEL UNIT	パネルユニット	T	UCRA	
1	VK967800	PANEL UNIT	パネルユニット	BL	H	
1	VK967900	PANEL UNIT	パネルユニット	T	H	
2	IX611021	TRANSISTOR	2SB1347	トランジスタ	Q215,216	UCRA
2	IX609730	TRANSISTOR	2SA1491	トランジスタ	Q215,216	H
3	IX611031	TRANSISTOR	2SD2029	トランジスタ	Q213,214	UCRA
3	IX609740	TRANSISTOR	2SC3855	トランジスタ	Q213,214	H
4	VK195900	SHEET	19x24	シート		
5	VK636300	RADIATOR		ラジエータ		
6	VF545900	SUPPORT		サポート		
7	VK173200	SCREW, TRANSISTOR		スクリュー T R		
8	EX601250	RIND HEAD TAP TYTE SCREW	3x8	バインド B タイトネジ		
9	EX330030	BW HEAD TAPPING SCREW	3x10-8 FCRH3-BL	BWヘッドタッピングネジ		
10	VI632700	SHIELD PLATE		シールドプレート		
11	VK461400	MAIN CIRCUIT BOARD		メインシート		
11	VK461500	MAIN CIRCUIT BOARD		メインシート	U	
11	VK461600	MAIN CIRCUIT BOARD		メインシート	C	
11	VK461700	MAIN CIRCUIT BOARD		メインシート	R	
11	VK461800	MAIN CIRCUIT BOARD		メインシート	A	
12	VK462100	μ-COM CIRCUIT BOARD		マイコンシート	UCRA	
12	VK625700	μ-COM CIRCUIT BOARD		マイコンシート	H	
13	XIH047A00	POWER TRANSFORMER		電源トランス	U	
13	XIH048A00	POWER TRANSFORMER		電源トランス	C	
13	XI781A00	POWER TRANSFORMER		電源トランス	R	
13	XI782A00	POWER TRANSFORMER		電源トランス	A	
13	XI783A00	POWER TRANSFORMER		電源トランス	H	
14	VA932900	VOLTAGE SELECTOR	ESE-37226	電圧切替器	R	
15	CB620200	CORD STOPPER	CM-22C	コードストッパー	UC	
15	CB620190	CORD STOPPER	CM-22B	コードストッパー	RAH	
16	HG002220	POWER CORD	10A	電源コード	UC	
16	VE371000	POWER CORD	6A	電源コード	R	
16	HG002310	POWER CORD	7.5A	電源コード	A	
16	HG002320	POWER CORD	2.5A	電源コード	H	
17	VE299000	SLIDE POTENTIOMETER BLOCK	B250K Ωx7	スライド V R ブロック	BL	
17	VK436800	SLIDE POTENTIOMETER BLOCK	B250K Ωx7	スライド V R ブロック	T	
17-1	CX603580	NOB		ノブ	BL	
17-1	CX617430	KNOB		ノブ	T	
17-2	CX603590	MAKER		マーカー		
18	VC626100	AC OUTLET	S2-739T	電源コネクタ	A	
19	VI207500	TOP COVER		トップカバー	T	
19	VI207600	TOP COVER		トップカバー	BL	
20	VI209900	BOTTOM COVER		ボトムカバー		
21	VK428900	REAR PANEL		リヤパネル	U	
21	VK429000	REAR PANEL		リヤパネル	C	
21	VK429100	REAR PANEL		リヤパネル	R	
21	VK429200	REAR PANEL		リヤパネル	A	
21	VK429700	REAR PANEL		リヤパネル	H	
22	CB610300	LEG		トランレグ		
23	VH842000	BUTTON		ボタン	T POWER	

*New Parts (新規部品)

ランク : Japan only

Ref. NO.	PART NO.	Description	部 品 名	Remarks	Markets	ランク
23	VH841900	BUTTON	ボタン	BL POWER		
24	VI211200	KNOB	ノブ	T BALANCE, LOUDNESS		
24	VI211300	KNOB	ノブ	BL BALANCE, LOUDNESS		
25	VI051300	KNOB	ノブ	T VOLUME		
25	VI051200	KNOB	ノブ	BL VOLUME		
26	VF992300	STOPPER	ストッパ		H	
27	VF201500	DAMPER	ダンパー			
28	VI210800	BUTTON	ボタン	T INP. SELECTOR		
28	VI210900	BUTTON	ボタン	BL INP. SELECTOR		
29	CB068880	PLASTIC RIVET	ブラリベット			
30	ED330066	BIND HEAD SCREW	3x6 FCRM3-BL バインド小ネジ			
31	EX001890	BIND HEAD BONDING SCREW	3x6 FCRM3-BL ボンディング小ネジ			
32	EI330086	BIND HEAD TAPPING SCREW	3x8 FCRM3-BL バインドタッピングネジ			
33	EN340020	BIND HEAD BONDING TAP. SCREW	3x8 FCRM3-BL ボンディングBタイトネジ			
34	E0330086	FLAT HEAD TAPPING SCREW	3x8 FCRM3-BL 皿タッピングネジ			
35	EK336010	BW HEAD TAPPING SCREW	3x8 FCM3 BWタッピングネジ			
36	EK330030	BW HEAD TAPPING SCREW	3x10-8 FCM3-BL BWヘッドタッピングネジ			
37	EK365040	BW HEAD S-TITE SCREW	4x8-10 FNM3-BL BWヘッドSタイトネジ	T		
37	EK365090	BW HEAD S-TITE SCREW	4x8-10 ZMC2-BL BWヘッドSタイトネジ	BL		
38	EX001580	HEXAGONAL BLIND NUT	M4 FCRM3-BL 六角袋ナット			
39	VJ078800	PLATE SIDE	プレート/サイド	BL		
39	VJ078900	PLATE SIDE	プレート/サイド	T		
	CB069250	BINDING TIE	BK-1 束縛止め			
70	VK843700	REMOTE CONTROL TRANSMITTER	リモコントランスミッター			
70-1	CX607200	LID	電池蓋			
		DRY CELL	SUM-4, AAA, R03 マンガン電池			

※New Parts (新規部品)

ランク : Japan only

REMOTE CONTROL TRANSMITTER

■ SCHEMATIC DIAGRAM

1

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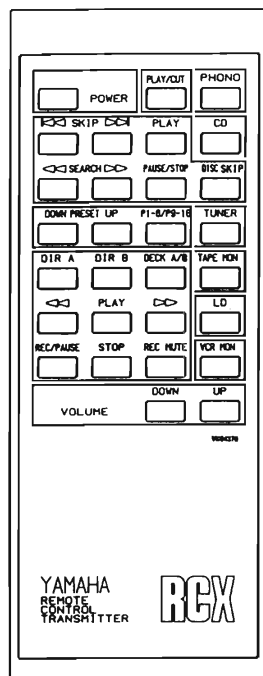
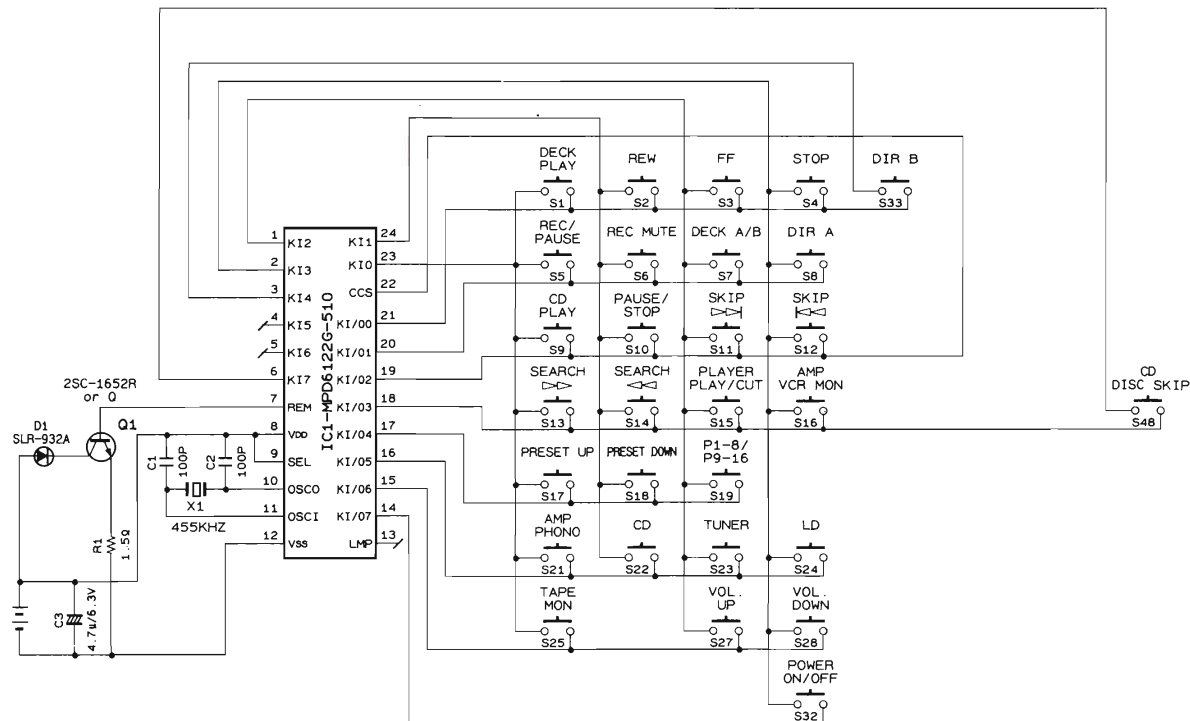
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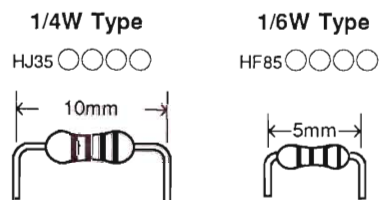


CUSTOM CODE C0 C1 C2 C3 C4 C5 C6 C7
0 1 0 1 1 1 1 0

KEY No.	DATA CODE								FUNCTION
	D0	D1	D2	D3	D4	D5	D6	D7	
1	0	0	0	0	0	0	0	0	TAPE PLAY
2	1	0	0	0	0	0	0	0	REW
3	0	1	0	0	0	0	0	0	FF
4	1	1	0	0	0	0	0	0	STOP
5	0	0	1	0	0	0	0	0	REC/PAUSE
6	1	0	1	0	0	0	0	0	REC MUTE
7	0	1	1	0	0	0	0	0	DECK A/B
8	1	1	1	0	0	0	0	0	DIR A
9	0	0	0	1	0	0	0	0	CD PLAY
10	1	0	0	1	0	0	0	0	PAUSE/STOP
11	0	1	0	1	0	0	0	0	SKIP ►►
12	1	1	0	1	0	0	0	0	SKIP ◄◄
13	0	0	1	1	0	0	0	0	SEARCH ►►
14	1	0	1	1	0	0	0	0	SEARCH ◄◄
15	0	1	1	1	0	0	0	0	PLAYER PLAY/CUT
16	1	1	1	1	0	0	0	0	AMP VCR MON
17	0	0	0	0	1	0	0	0	TUNER PRESET UP
18	1	0	0	0	1	0	0	0	TUNER PRESET DOWN
19	0	1	0	0	1	0	0	0	TUNER P1-8/P9-16
21	0	0	1	0	1	0	0	0	AMP PHONO
22	1	0	1	0	1	0	0	0	CD
23	0	1	1	0	1	0	0	0	TUNER
24	1	1	1	0	1	0	0	0	LD
25	0	0	0	1	1	0	0	0	TAPE MON
27	0	1	0	1	1	0	0	0	VOL. UP
28	1	1	0	1	1	0	0	0	VOL. DOWN
32	1	1	1	1	1	0	0	0	POWER ON/OFF
33	0	0	0	0	0	0	1	0	TAPE DIR B
48	1	1	1	1	0	0	1	0	CD DISC SKIP

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	HF853100	12 K Ω	HJ35 7120	HF85 7120
1.8 Ω	HJ35 3180	*	15 K Ω	HJ35 7150	HF85 7150
2.2 Ω	HJ35 3220	HF853220	18 K Ω	HJ35 7180	HF85 7180
3.3 Ω	HJ35 3330	HF853330	22 K Ω	HJ35 7220	HF85 7220
4.7 Ω	HJ35 3470	HF853470	27 K Ω	HJ35 7270	HF85 7270
5.6 Ω	HJ35 3560	HF853560	33 K Ω	HJ35 7330	HF85 7330
10 Ω	HJ35 4100	HF854100	39 K Ω	HJ35 7390	HF85 7390
15 Ω	HJ35 4150	HF854150	47 K Ω	HJ35 7470	HF85 7470
22 Ω	HJ35 4220	HF854220	56 K Ω	HJ35 7560	HF85 7560
27 Ω	HJ35 4270	HF854270	68 K Ω	HJ35 7680	HF85 7680
33 Ω	HJ35 4330	HF854330	82 K Ω	HJ35 7820	HF85 7820
39 Ω	HJ35 4390	HF854390	91 K Ω	HJ35 7910	HF85 7910
47 Ω	HJ35 4470	HF854470	100 K Ω	HJ35 8100	HF85 8100
56 Ω	HJ35 4560	HF854560	120 K Ω	HJ35 8120	HF85 8120
68 Ω	HJ35 4680	HF854680	150 K Ω	HJ35 8150	HF85 8150
82 Ω	HJ35 4820	HF854820	180 K Ω	HJ35 8180	HF85 8180
100 Ω	HJ35 5100	HF855100	220 K Ω	HJ35 8220	HF85 8220
110 Ω	HJ35 5110	HF855110	270 K Ω	HJ35 8270	HF85 8270
120 Ω	HJ35 5120	HF855120	330 K Ω	HJ35 8330	HF85 8330
150 Ω	HJ35 5150	HF855150	390 K Ω	HJ35 8390	HF85 8390
160 Ω	HJ35 5160	*	470 K Ω	HJ35 8470	HF85 8470
180 Ω	HJ35 5180	HF855180	560 K Ω	HJ35 8560	HF85 8560
220 Ω	HJ35 5220	HF855220	680 K Ω	HJ35 8680	HF85 8680
270 Ω	HJ35 5270	HF855270	820 K Ω	HJ35 8820	HF85 8820
330 Ω	HJ35 5330	HF855330	1.0 M Ω	HJ35 9100	HF85 9100
390 Ω	HJ35 5390	HF855390	1.2 M Ω	HJ35 9120	*
470 Ω	HJ35 5470	HF855470	1.5 M Ω	HJ35 9150	HF85 9150
510 Ω	*	HF855510	1.8 M Ω	HJ35 9180	HF85 9180
560 Ω	HJ35 5560	HF855560	2.2 M Ω	HJ35 9220	HF85 9220
680 Ω	HJ35 5680	HF855680	3.3 M Ω	HJ35 9330	HF85 9330
820 Ω	HJ35 5820	HF855820	3.9 M Ω	HJ35 9390	*
910 Ω	HJ35 5910	HF855910	4.7 M Ω	HJ35 9470	HF85 9470
1.0 K Ω	HJ35 6100	HF856100			
1.2 K Ω	HJ35 6120	HF856120			
1.5 K Ω	HJ35 6150	HF856150			
1.8 K Ω	HJ35 6180	HF856180			
2.0 K Ω	HJ35 6200	HF856200			
2.2 K Ω	HJ35 6220	HF856220			
2.4 K Ω	HJ35 6240	HF856240			
2.7 K Ω	HJ35 6270	HF856270			
3.0 K Ω	HJ35 6300	HF856300			
3.3 K Ω	HJ35 6330	HF856330			
3.6 K Ω	HJ35 6360	HF856360			
3.9 K Ω	HJ35 6390	HF856390			
4.7 K Ω	HJ35 6470	HF856470			
5.1 K Ω	HJ35 6510	HF856510			
5.6 K Ω	HJ35 6560	HF856560			
6.8 K Ω	HJ35 6680	HF856680			
8.2 K Ω	HJ35 6820	HF856820			
9.1 K Ω	HJ35 6910	HF856910			
10 K Ω	HJ35 7100	HF857100			



TECHNICAL BULLETIN

YAMAHA ELECTRONICS CORPORATION, USA

Number: 154H
Effective Date: May 14, 1993

MODEL: AV-80Y
SERIAL NUMBERS AFFECTED: All
FUNCTIONS AFFECTED: YST Amplifier Operation

TYPE OF CHANGE		
MANDATORY	OPTIONAL	FOR INFO ONLY
☒	☐	☐

SYMPTOM: No output in YST modes only, OK in NORMAL (YST switch is on the rear panel), OR output offset in excess of 100 mV in YST modes only which causes a "pop" in the loudspeakers when the protection relay opens or closes.

CAUSE: C294 and/or C295 are getting leaky because a reverse voltage is applied across them after the unit is turned off (for about five to ten minutes).

SOLUTION: Replace C294 and C295 with a 100 ufd. 25 Volt non-polar capacitor (part # UK748100) any time the unit is brought in for service.

NOTE: Be sure to discharge the main filter capacitors (C283 & C284) before replacing C294 and C295.

6660 Orangethorpe Avenue, Buena Park, CA 90620-1345 Telephone: (714) 522-9105