

Service Manual

Stereo Integrated Amplifier

Amplifier

SU-V85A

Color

(K) Black Type



SU-V85A

Color	Areas
(K)	[E] Continental Europe
(K)	[EH] Holland
(K)	[EB] Belgium
(K)	[EF] France
(K)	[EK] United Kingdom
(K)	[EG] F.R. Germany
(K)	[Ei] Italy
(K)	[XL] Australia
(K)	[XA] Asia, Latin America, Middle Near East, Africa & Oceania
(K)	[PA] East PX.
(K)	[PE] European Military

SPECIFICATIONS (DIN 45 500)

■ AMPLIFIER SECTION

20 Hz~20 kHz continuous power output both channels driven	2 × 100W (8Ω)
1 kHz continuous power output both channels driven	2 × 150W (4Ω)
Total harmonic distortion	
rated power at 20 Hz~20 kHz	0.002% (8Ω)
rated power at 1 kHz	0.0007% (8Ω)
half power at 20 Hz~20 kHz	0.002% (8Ω)
half power at 1 kHz	0.0007% (8Ω)
Intermodulation distortion	
rated power at 250 Hz: 8 kHz=4:1, 4Ω	0.005%
rated power at 60 Hz: 7 kHz=4:1, SMPTE, 8Ω	0.005%
Power bandwidth	
both channels driven, -3 dB	5 Hz~60 kHz (8Ω, 0.025%)
Residual hum and noise	0.8 mV
Damping factor	30 (4Ω), 60 (8Ω)
Input sensitivity and impedance	
PHONO MM	2.5 mV/47kΩ
MC	170 μV/220Ω
TUNER, CD, AUX 1	
AUX 2, TAPE 1/DA TAPE,	
TAPE 2, TAPE 3/EXT	150 mV/18kΩ
PHONO maximum input voltage (1 kHz, RMS)	
MM	160 mV
MC	12 mV

S/N	
rated power	
PHONO MM	79 dB (88 dB, IHF, A)
MC	70 dB (72 dB, 250μV, IHF, A)
TUNER, CD, AUX 1	
AUX 2, TAPE 1/DA TAPE,	
TAPE 2, TAPE 3/EXT	94 dB (IHF, A: 106 dB)
-26 dB power (4Ω)	
PHONO MM	72 dB
MC	65 dB
TUNER, CD, AUX 1	
AUX 2, TAPE 1/DA TAPE,	
TAPE 2, TAPE 3/EXT	74 dB
50 mW power (4Ω)	
PHONO MM	65 dB
MC	62 dB
TUNER, CD, AUX 1	
AUX 2, TAPE 1/DA TAPE,	
TAPE 2, TAPE 3/EXT	65 dB
Frequency response	
PHONO	RIAA standard curve ±0.2 dB (20 Hz~20 kHz)
TUNER, CD, AUX 1	
AUX 2, TAPE 1/DA TAPE,	
TAPE 2, TAPE 3/EXT	0.8 Hz~150 kHz (±3 dB) -0, -0.1 dB (20 Hz~20 kHz)
Tone controls	
BASS	50 Hz, -10 dB~-10 dB
TREBLE	20 kHz, +10 dB~-10 dB
Subsonic filter	20 Hz, 6 dB/oct.
Loudness control (volume at -30 dB)	
	50 Hz, +9 dB
Muting	-20 dB
Output voltage and impedance	
TAPE 1, 2 REC OUT	150 mV

Channel balance, AUX 250 Hz~6,300 Hz	±1 dB
Channel separation, AUX 1 kHz	55 dB
Headphones output level and impedance	700 mV/330Ω

Load impedance	
MAIN or REMOTE	4Ω~16Ω
MAIN and REMOTE	8Ω~16Ω

■ GENERAL

Power consumption	750W
Power supply	
For United Kingdom and Australia	AC 50 Hz/60 Hz, 110V/127V/220V/240V
For continental Europe	AC 50 Hz/60 Hz, 220V
For others	AC 50 Hz/60 Hz, 110V/127V/220V/240V
Dimensions (W×H×D)	430 × 158 × 393 mm (16-15/16" × 6-7/32" × 15-15/32")
Weight	11.7 kg (25.74 lb.)

Notes:

- Specifications are subject to change without notice.
Weight and dimensions are approximate.
- Total harmonic distortion is measured by the digital spectrum analyzer (H.P. 3045 system).

Specifications are subject to change without notice for further improvement.

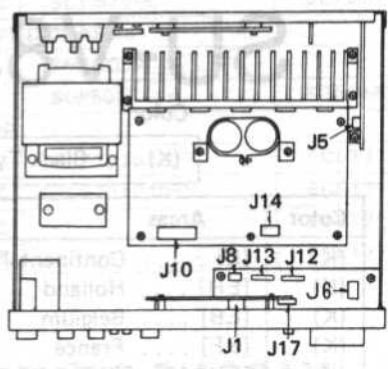
Technics

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

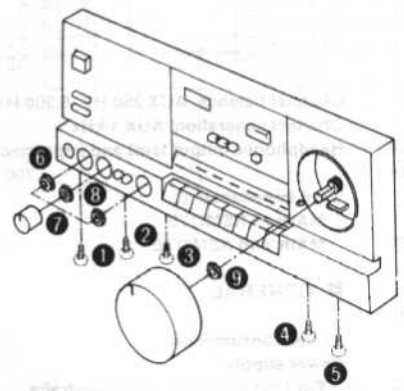
Panasonic Tokyo Office
Matsushita Electric Trading Co., Ltd.
6th Floor, World Trade Center Bldg.,
No. 4-1, Hamamatsu-cho 2-Chome, Minato-ku,
Tokyo 105, Japan

Ref. No. 1	How to remove the front panel and sub P.C.B.
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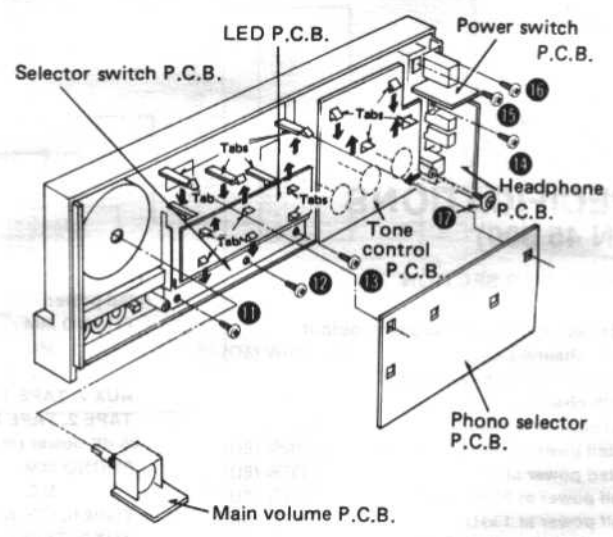
Procedure 1	<ol style="list-style-type: none"> 1. Remove the cabinet. 2. Remove the connectors J1, J2, J5, J6, J10 and J14.
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3. Remove the 5 screws (① ~ ⑤).
4. Remove the 3 nuts (⑥ , ⑧)
5. Remove the front panel.

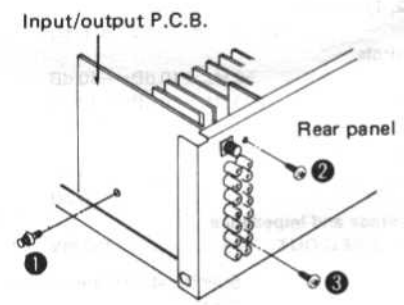


6. Remove the phono selector P.C.B. from the 5 tabs.
7. Remove the LED P.C.B. from the 6 tabs.
8. Remove the 3 setscrews (⑪ ~ ⑬) from the selector switch P.C.B.
9. Remove the tone control P.C.B. from the 4 tabs.
10. Remove the 2 setscrews (⑭ , ⑰) from the headphone P.C.B. and then remove it from the tabs.
11. Remove the 2 setscrews (⑮ , ⑯) from the power switch P.C.B.

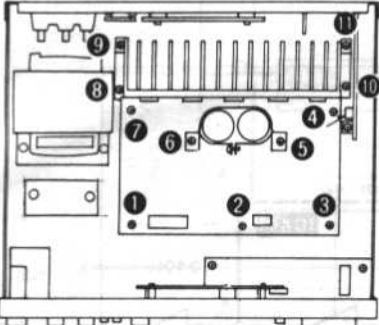
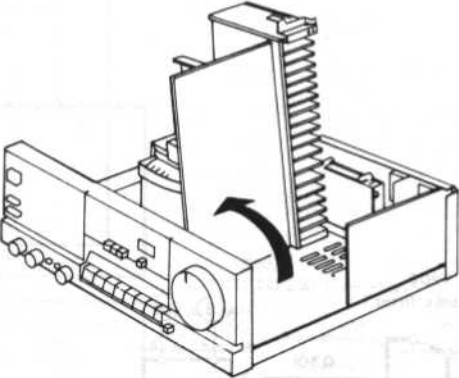


Ref. No. 2	How to remove the input/output P.C.B.
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Procedure 2	<ol style="list-style-type: none"> 1. Remove the 3 setscrews (① ~ ③) from the input/output P.C.B.
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Ref. No. 3	How to remove the main P.C.B.	
Procedure 3	1. Remove the 11 setscrews (① ~ ⑪) from the main P.C.B. and heat-sink.	2. Remove the P.C.B. by raising it in the direction of the arrow.

■ PROTECTION CIRCUITRY

The protection circuitry may have operated if either of the following conditions is noticed:

- No sound is heard when the power is turned on.
- Sound stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of this unit are used.

If this occurs, follow the procedure outlines below:

1. Turn off the power.
2. Determine the cause of the problem and correct it.
3. Turn on the power once again after one minute.

Note

When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

■ BEFORE REPAIR AND ADJUSTMENT

- (1) Turn off the power supply. Using a 10Ω, 5W resistor, shortcircuit both ends of power supply capacitors (C601, C602) in order to discharge the voltage.
- (2) Before turning on the power switch of the set . . .
 - A. Connect the voltage controller to the primary side.
 - B. Connect the AC ampere meter to the primary side or connect the DC voltage meter to the "±B" circuit of the secondary side.
 - C. Turn the VR of ICQ (VR501 and VR502) to minimum (counterclockwise).
 - D. After setting the output to zero of the voltage controller, turn on the power switch of the set.
And increase the output of voltage controller gradually.
Then, check carefully whether the current value of primary side become more than followings value or whether the DC voltage of secondary side is increasing slowly.
 - E. If the value of current is increasing unusually or the DC voltage is not increasing, lower the output level of voltage controller immediately.
 - F. Check the transistors of voltage amplifier and current amplifier IC501.
 - G. After repairing, adjust the ICQ.
- The current value of the primary side at no signal. (Confirm the power supply voltage of each area and provided voltage of the set.)

Power supply voltage		AC110V	AC127V	AC220V	AC240V
Consumed current	50/60Hz	270 ~ 730mA	240 ~ 630mA	130 ~ 370mA	120 ~ 330mA

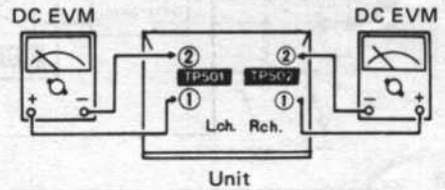
MEASUREMENTS AND ADJUSTMENTS

Control positions and equipment used.

- Volume knob ∞ (Minimum)
- Main speaker selector off
- Remote speaker selector off
- DC electronic voltmeter (EVM)

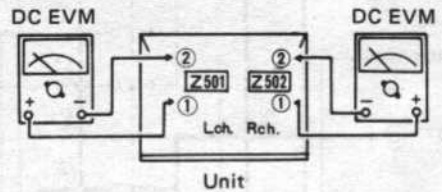
VOLTAGE CONTROL (V) AMP. IDLING (ICQ) ADJUSTMENT

1. Test equipment connection is shown in figure. (Connect the DC EVM. on both channels.)
2. Completely turn the (V) amp. adjusting volumes (**VR451, VR452**) counter-clockwise.
3. Turn ON the set when it is cold, and immediately adjust **VR451** and **VR452** so that the voltage is **25mV**. Also, check that the voltage is **25 – 30mV** (standard: **27mV**) after lapse of **10 – 15 minutes**. (Below **30mV** after lapse of **20 min.**)

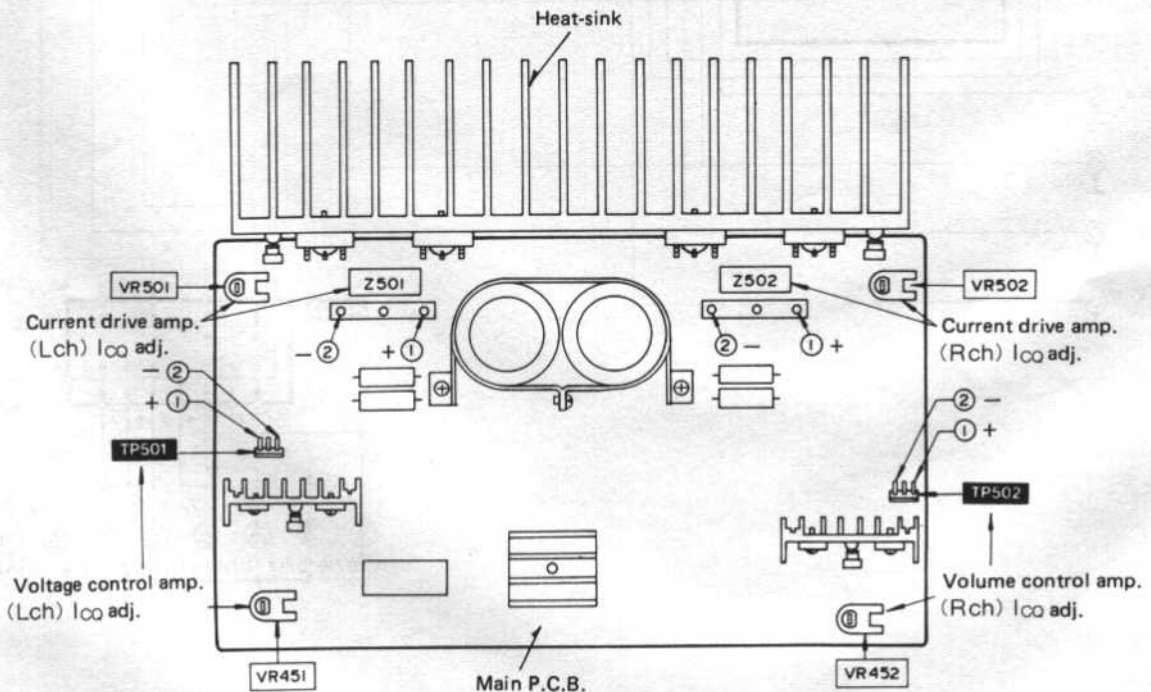


CURRENT DRIVE (C) AMP. IDLING (ICQ) ADJUSTMENT

1. Test equipment connection is shown in figure. (Connect the DC EVM. on both channels.)
2. Completely turn the (C) amp. adjusting volumes (**VR501, VR502**) counterclockwise.
3. Turn ON the set when it is cold, and after the adjustment of the (V) amp. ICQ, adjust **VR501** and **VR502** so that the voltage is **3mV**. Also, check that the voltage is **4 – 7mV** (standard: **5mV**) after lapse of **10 – 15 minutes**. (Below **10mV** after lapse of **20 min.**)

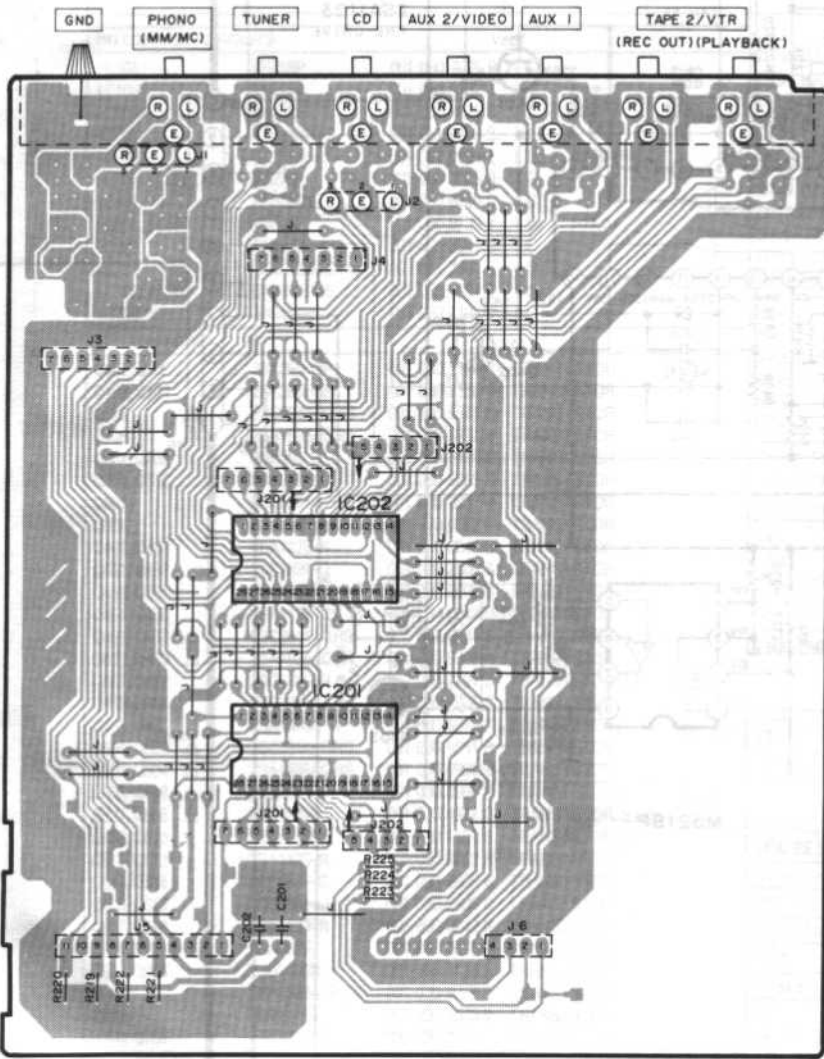


• Adjustment points

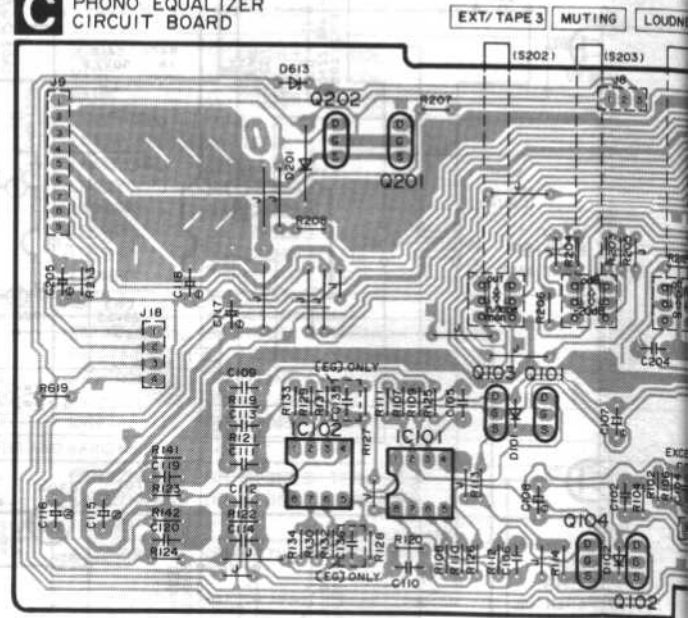


PRINTED CIRCUIT BOARDS

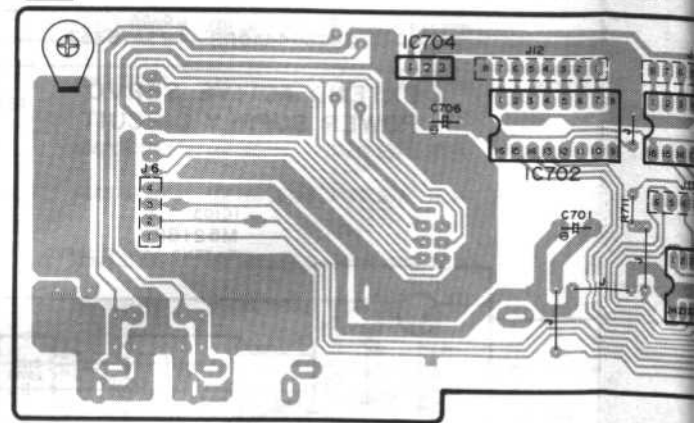
B INPUT SELECTOR CIRCUIT BOARD



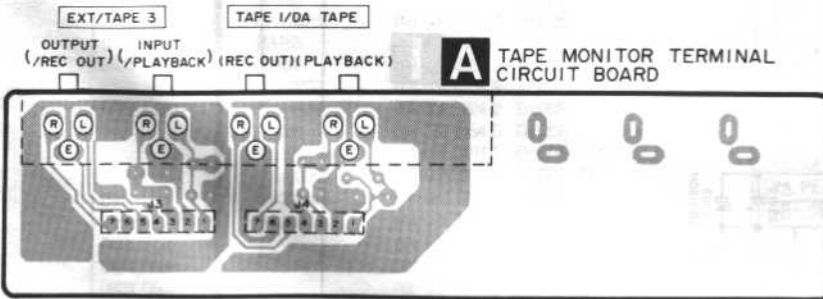
C PHONO EQUALIZER CIRCUIT BOARD

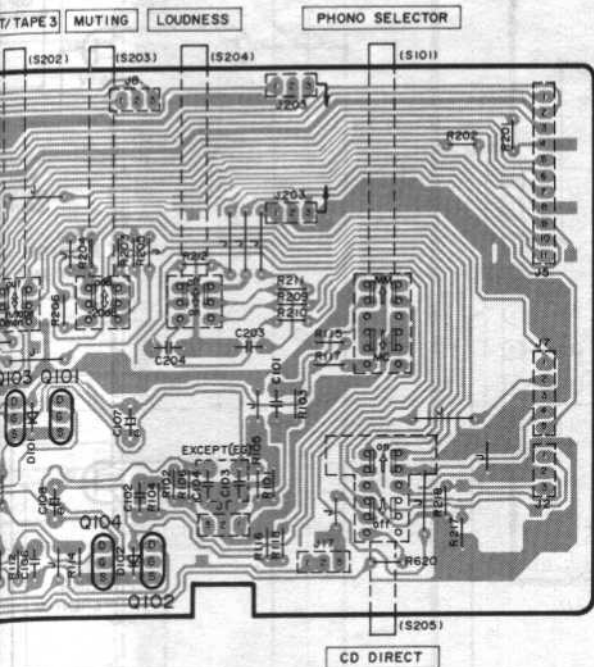


D LED DRIVE CIRCUIT BOARD

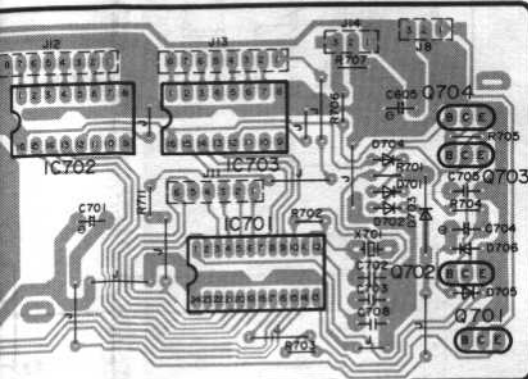
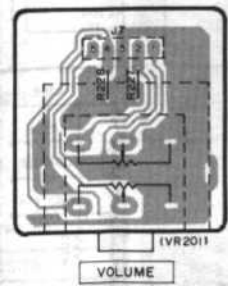


A TAPE MONITOR TERMINAL CIRCUIT BOARD

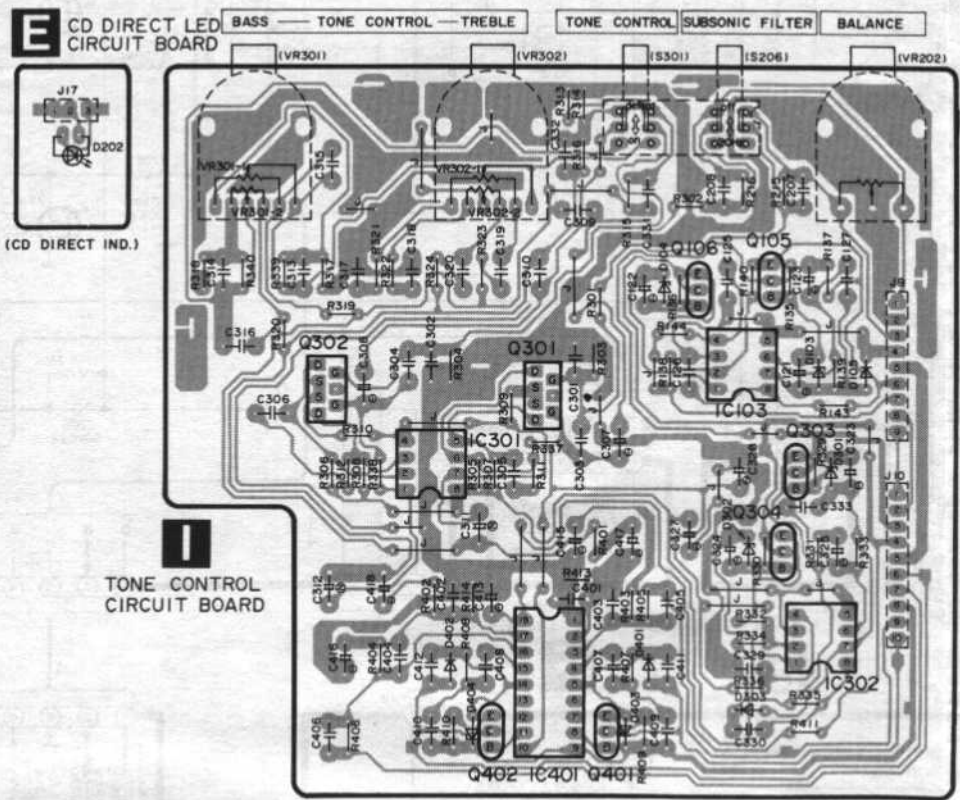
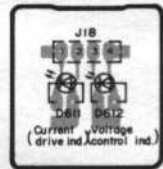




G VOLUME CONTROL CIRCUIT BOARD

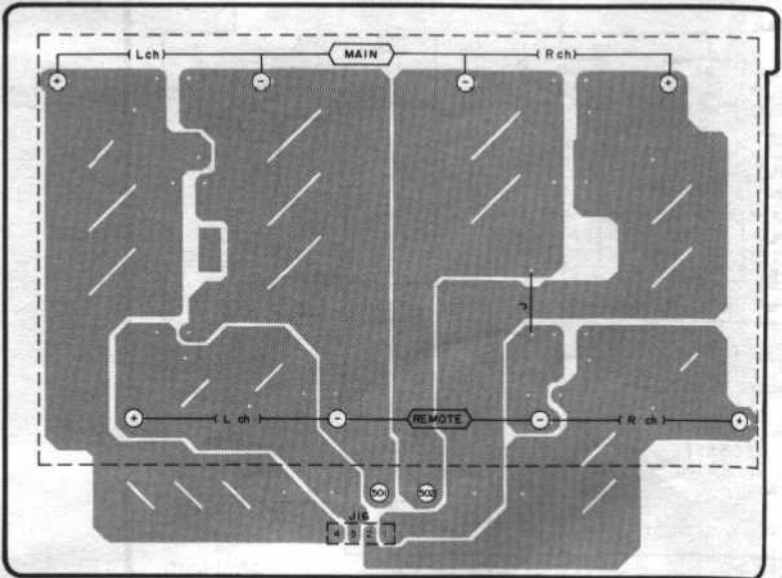


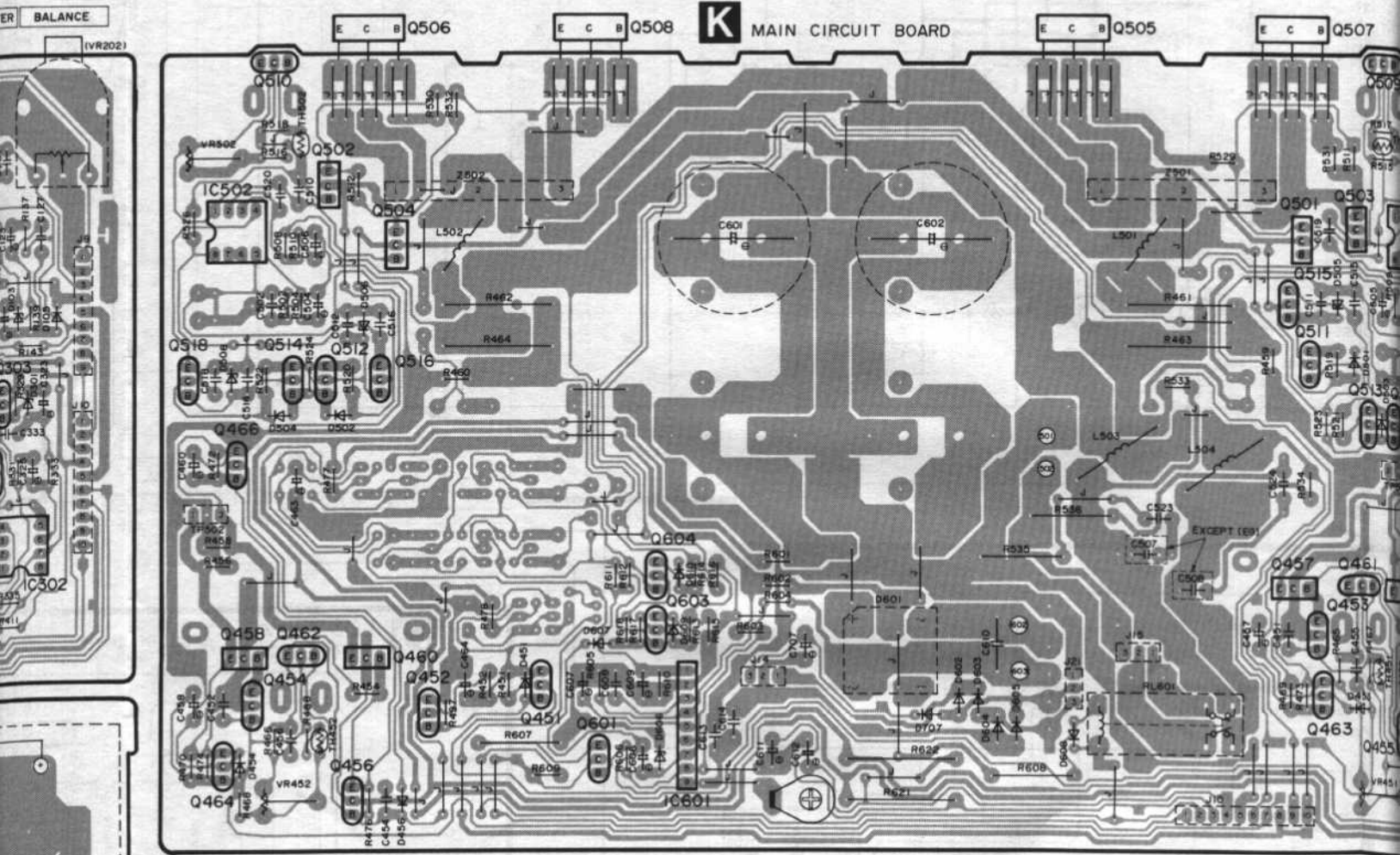
F CURRENT DRIVE VOLTAGE CONTROL LED CIRCUIT BOARD



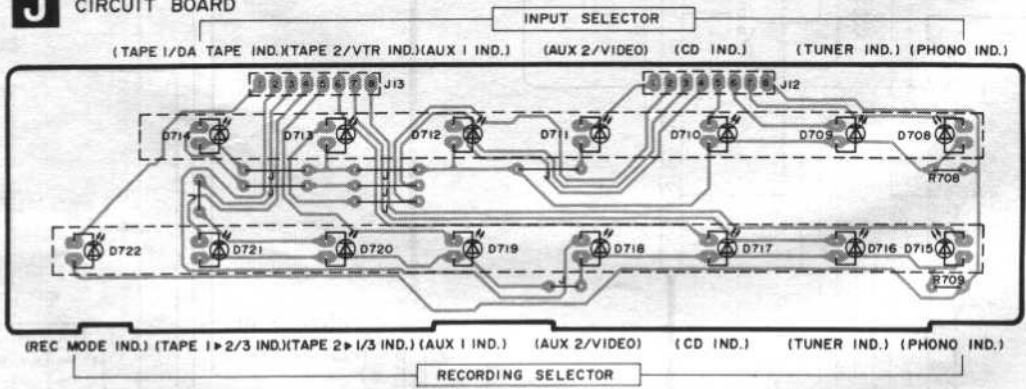
I TONE CONTROL CIRCUIT BOARD

N SPEAKER TERMINAL CIRCUIT BOARD

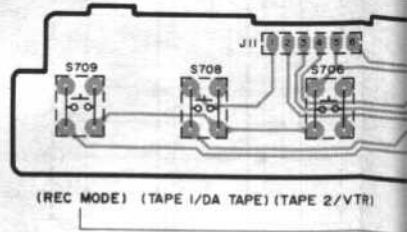


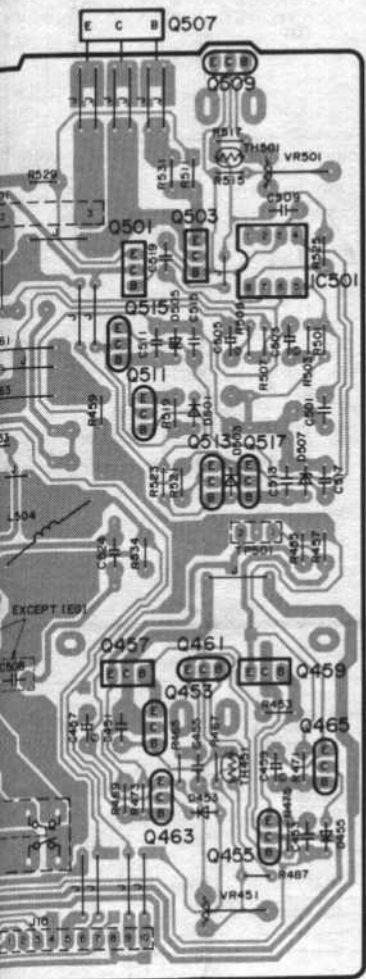


J INPUT/REC SELECTOR LED CIRCUIT BOARD

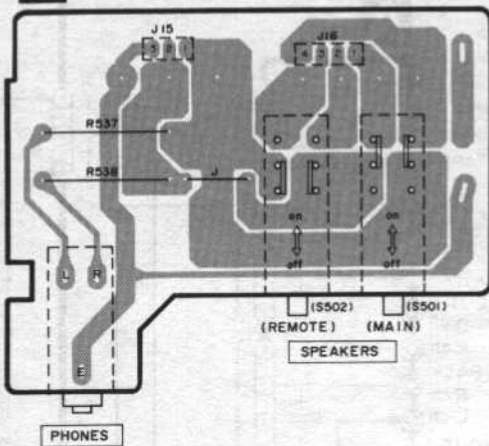


H INPUT/REC SELECTOR SWITCH

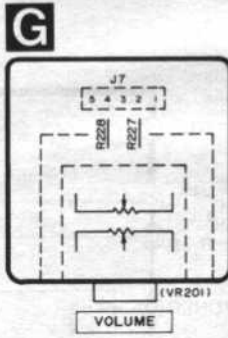
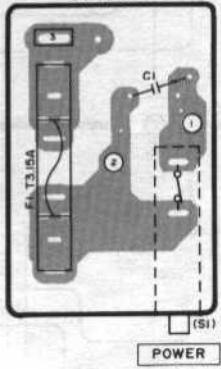




L HEADPHONE JACK/SPEAKER SELECTOR SWITCH CIRCUIT BOARD

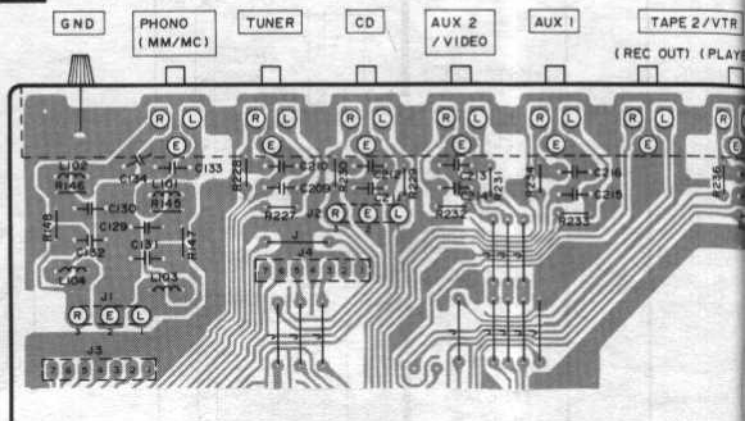


M FUSE/POWER SWITCH CIRCUIT BOARD



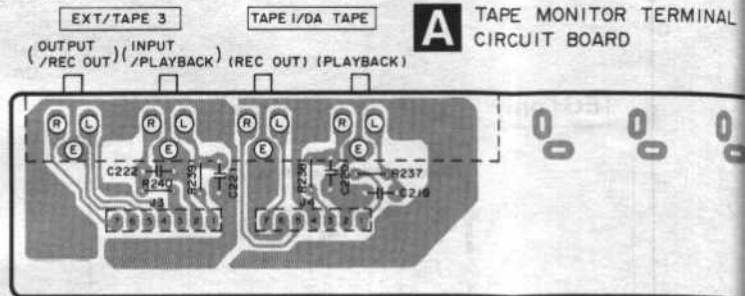
[EG] ONLY

B INPUT SELECTOR CIRCUIT BOARD

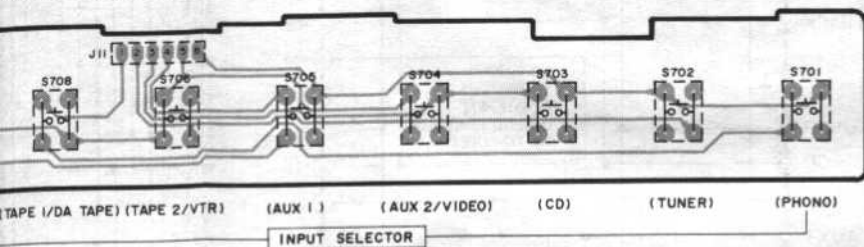


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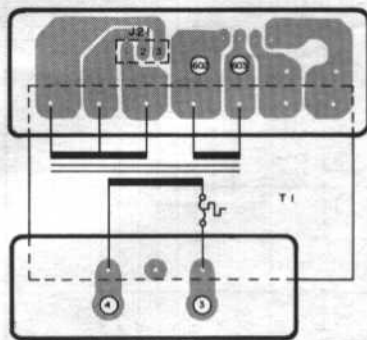
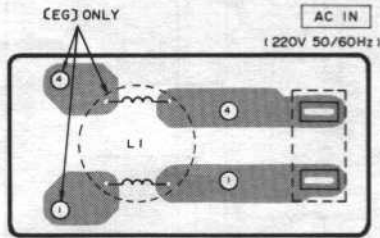
A TAPE MONITOR TERMINAL CIRCUIT BOARD



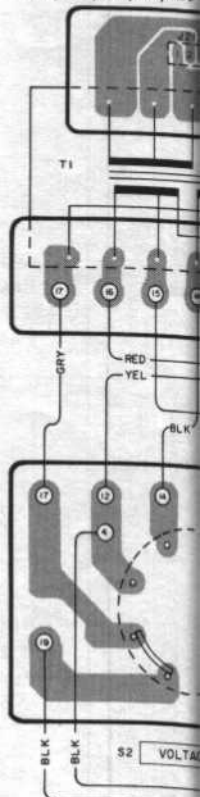
UT/REC SELECTOR SWITCH CIRCUIT BOARD



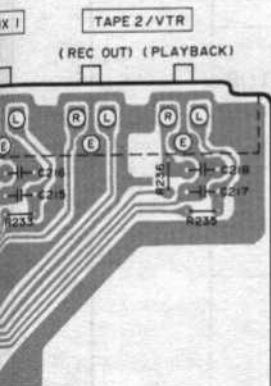
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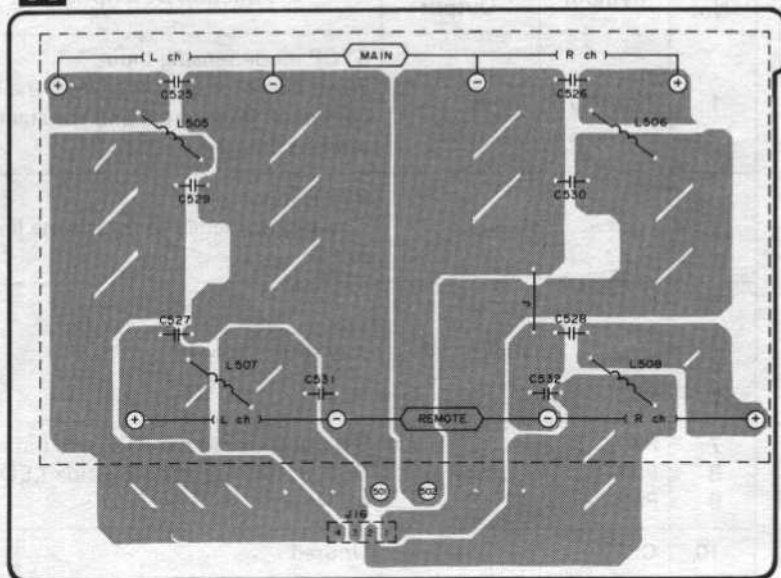
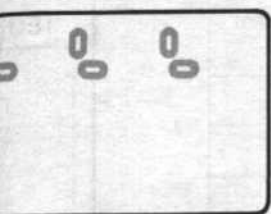
(EK, XL, XA, PA, PE)



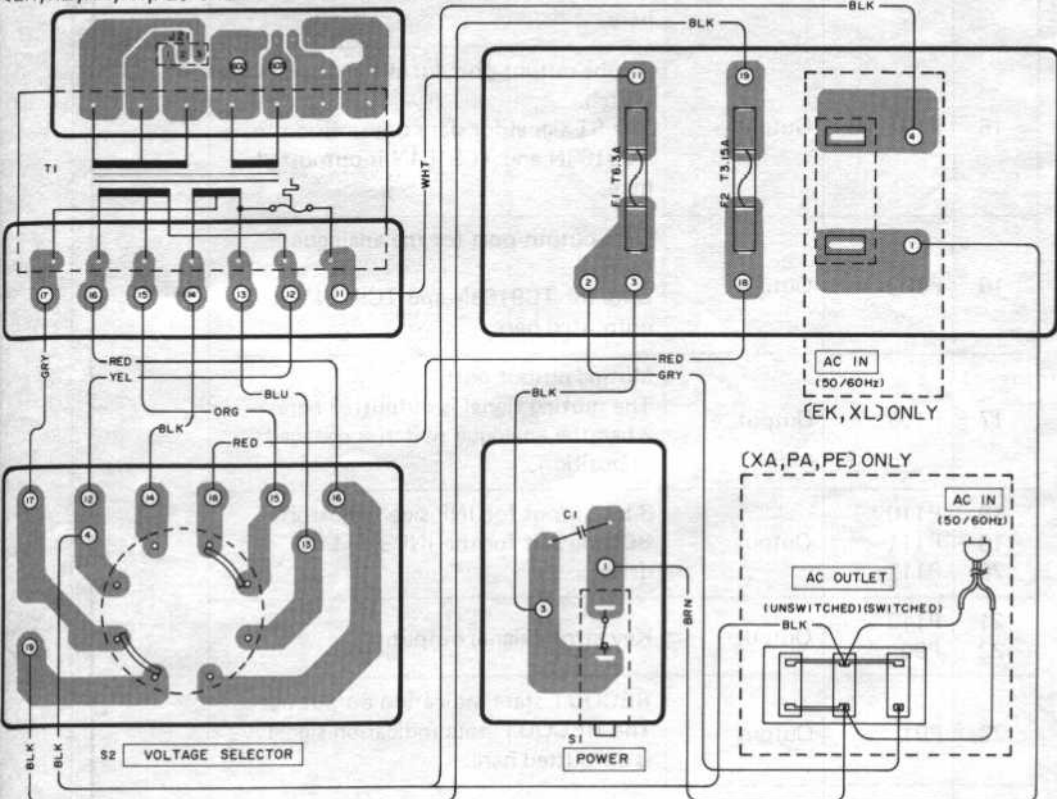
[EG] ONLY

N SPEAKER TERMINAL CIRCUIT BOARD


MONITOR TERMINAL BOARD



[EK, XL, XA, PA, PE] ONLY

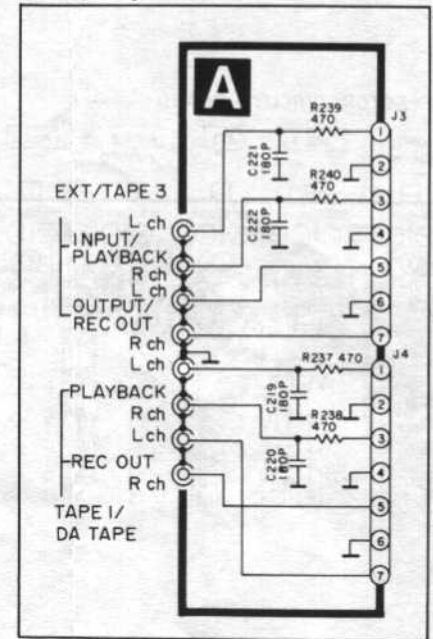


FUNCTION OF IC TERMINALS

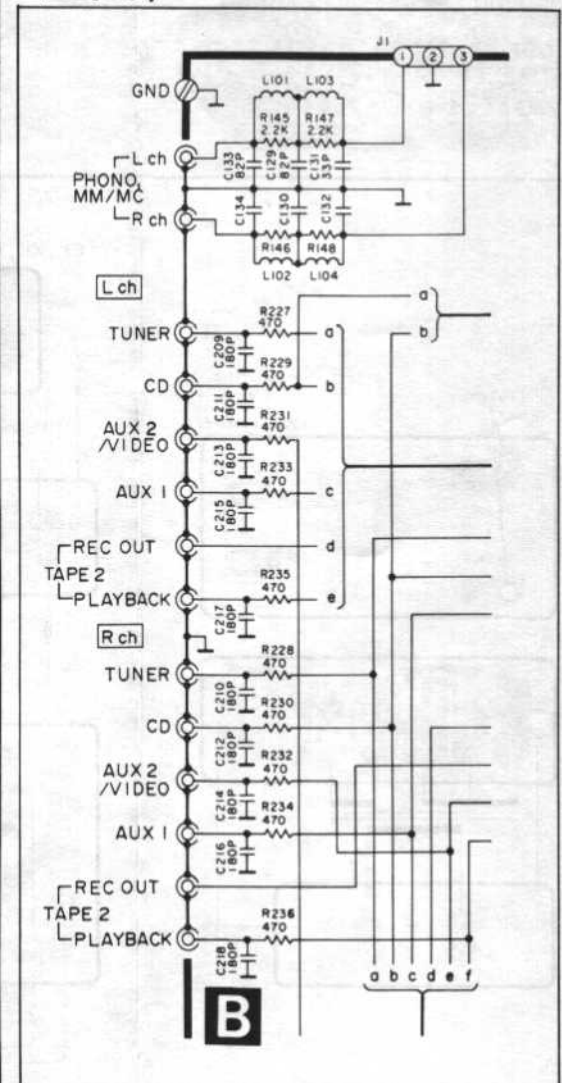
• IC701 (UPD7566CS044) for Controlling the Analogue Switch Operations

Pin No.	Symbol	Input/Output	Function Description
1	P00/INTO	Input	STOP mode sensing input. When a high pulse is accepted, the STOP command is executed and the stand-by mode is entered.
2	P01	Input	P91 is inputted here. This pin is intended to detect the level of P91
3	P10	Input	Key source input
4	P11		
5	P12		
6	P13		
7	P80	Output	3-bit output for the REC-side indicator. BCD output for the REC-side LED driver.
8	P81		
9	P82		
10	CL2	---	Unused
11	CL1	---	External clock input (f=400kHz) This serves as the source for the system clock.
12	VDD	---	Power supply terminal (+5V)
13	RESET	---	CPU reset signal input terminal.
14	P100	Output	Clock output port for the analogue switch. The CK signal for data transmission to TC9163N and TC9164N is outputted here.
15	P101	Output	Strobe output port for the analogue switch. The ST signal for data transmission to TC9163N and TC9164N is outputted here.
16	P102	Output	Data output port for the analogue switch. Data for TC9163N and TC9164N is outputted here.
17	P103	Output	Muting output port. The muting signal is outputted here when the analogue switch is changed in position.
18	P110	Output	3-bit output for INP-side indicator. BCD output for the INP-side LED driver.
19	P111		
20	P112		
21	P113	Output	Key strobe signal output.
22	P90		
23	P91	Output	RECOUT state indication output port. The RECOUT state indication signal is outputted here.
24	Vss	---	Ground terminal.

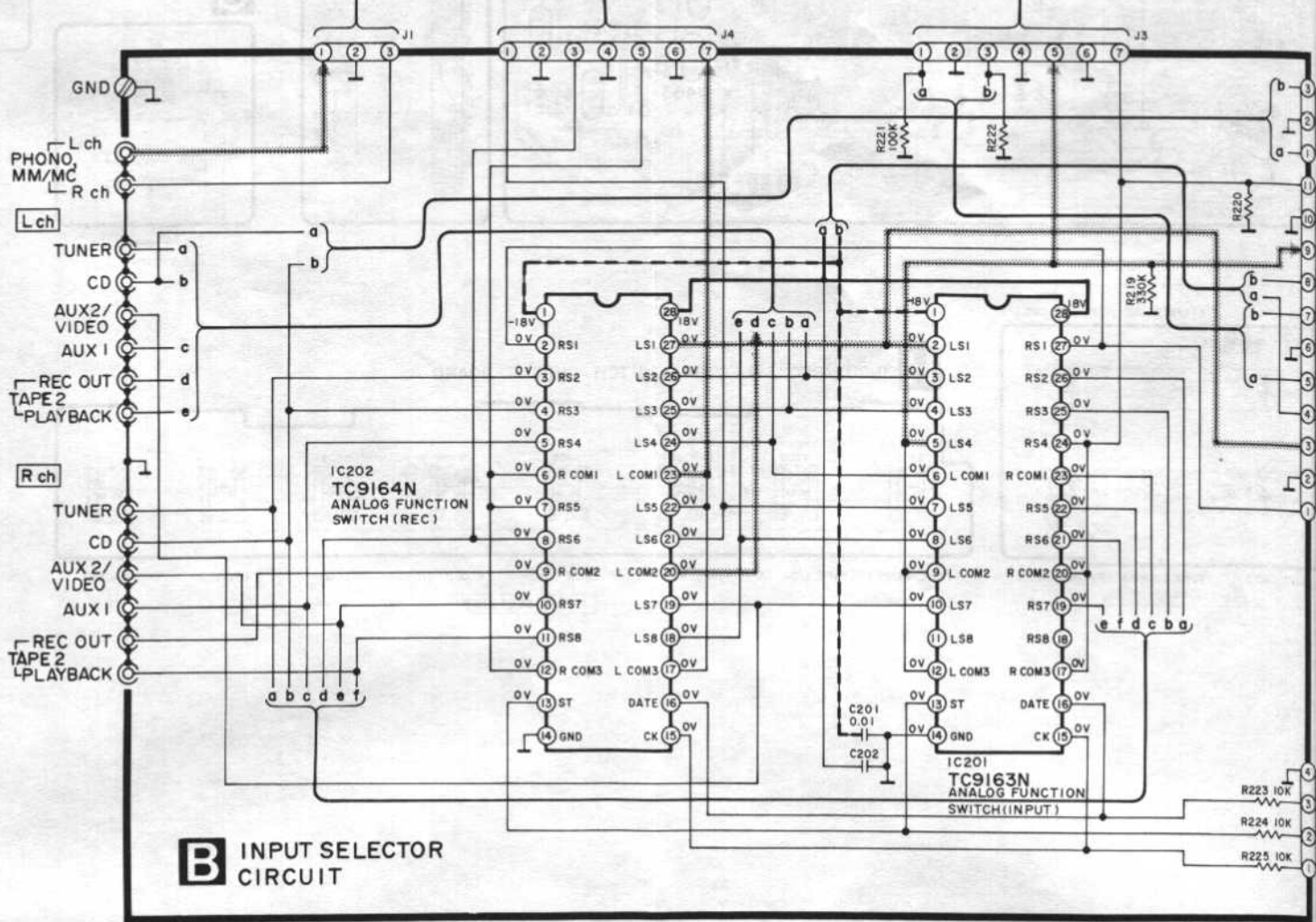
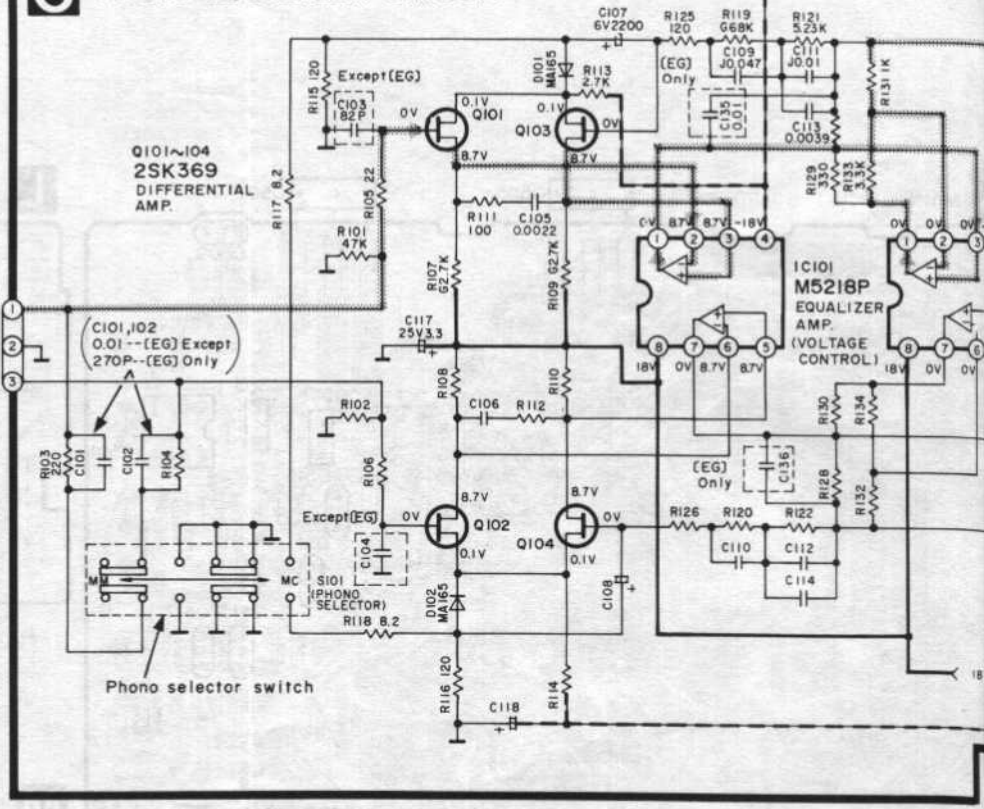
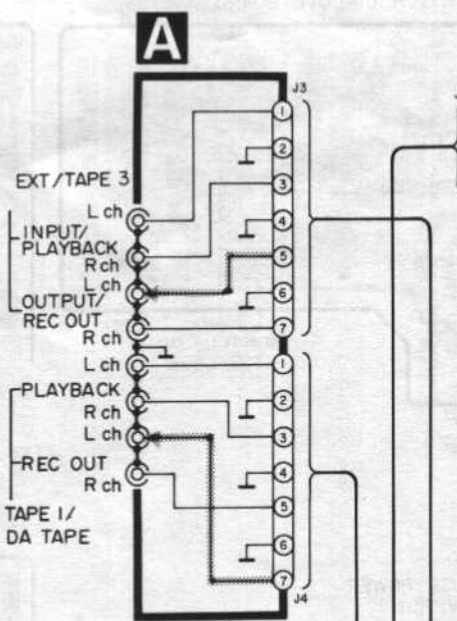
[EG] only



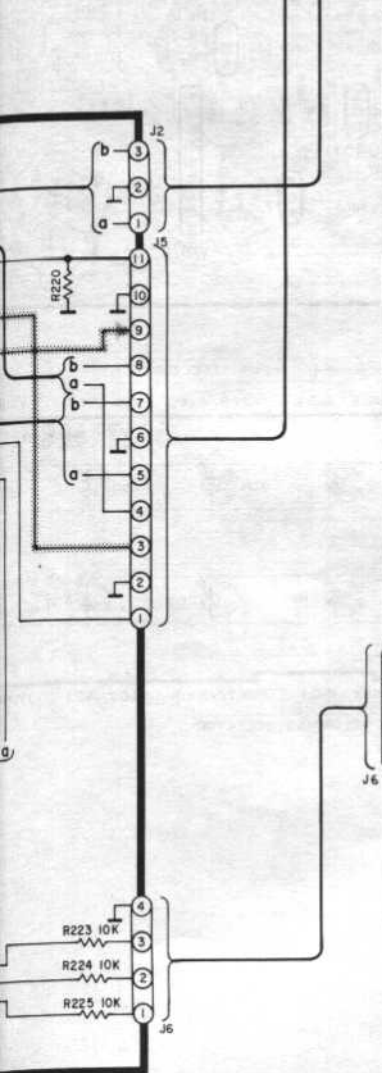
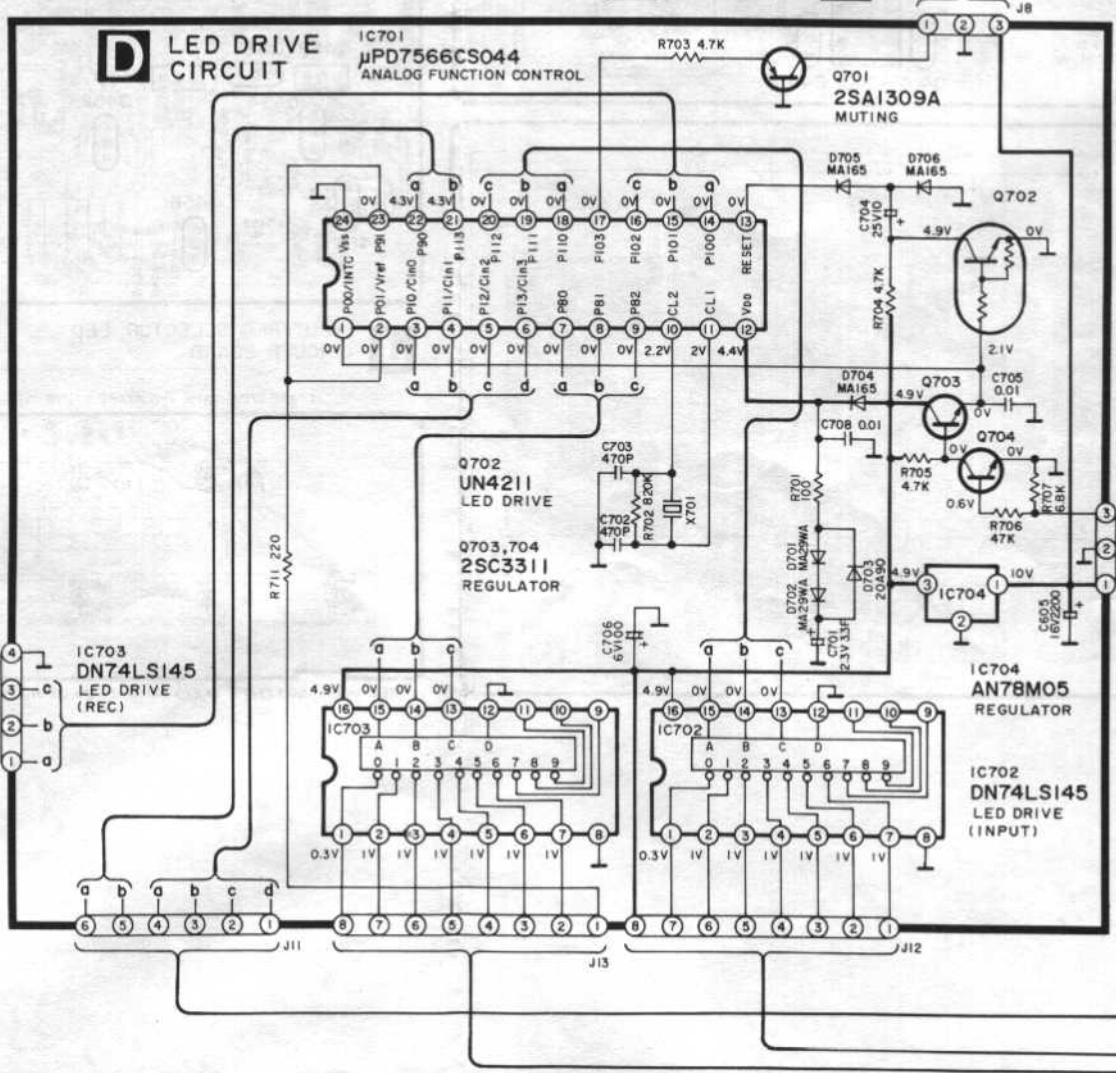
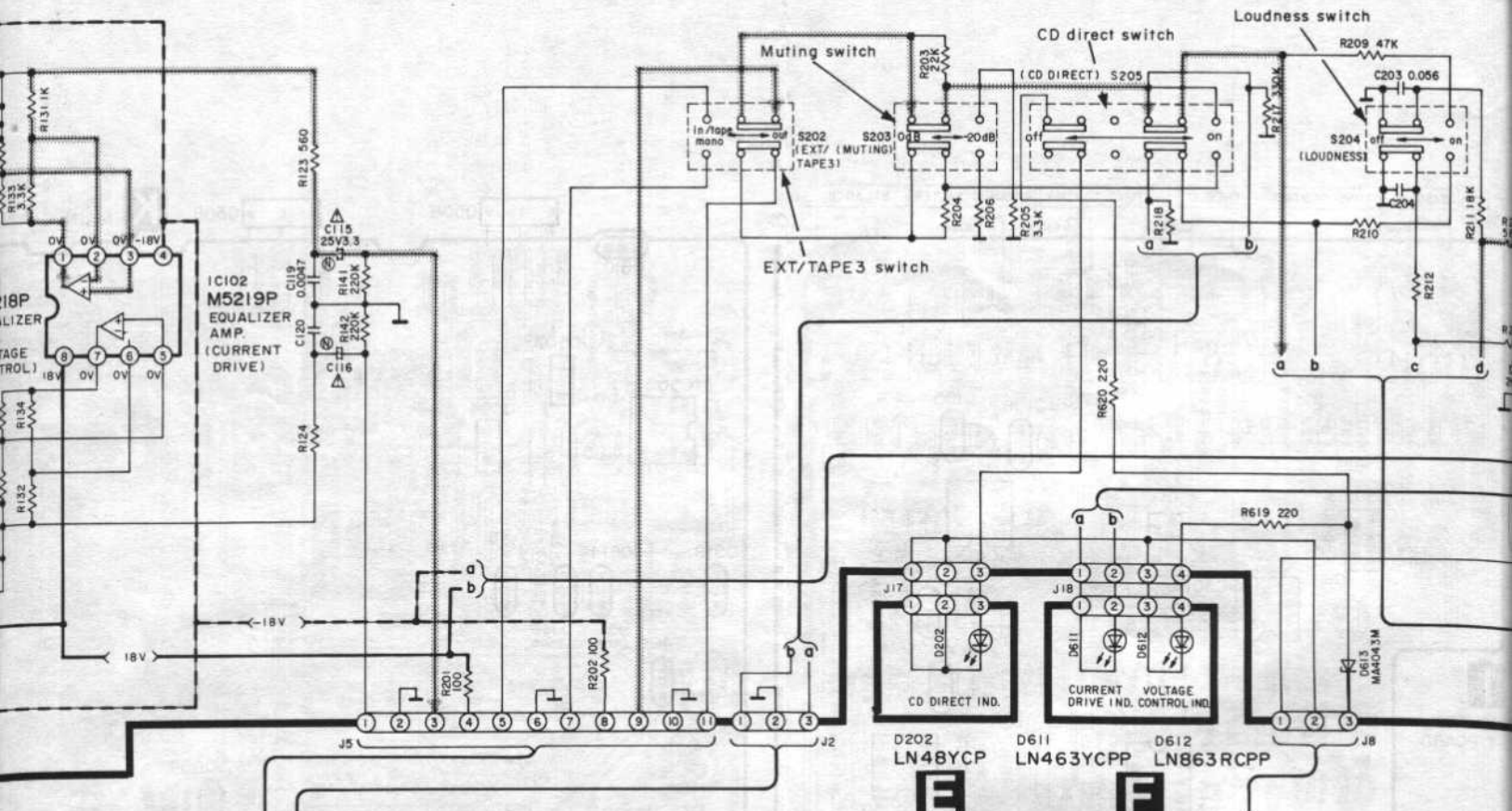
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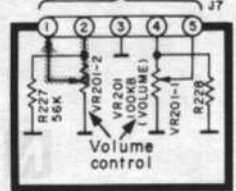
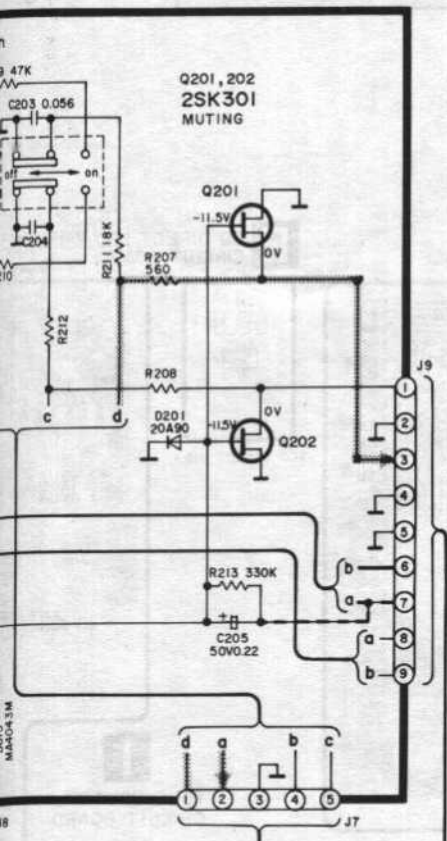


PHONO EQUALIZER CIRCUIT



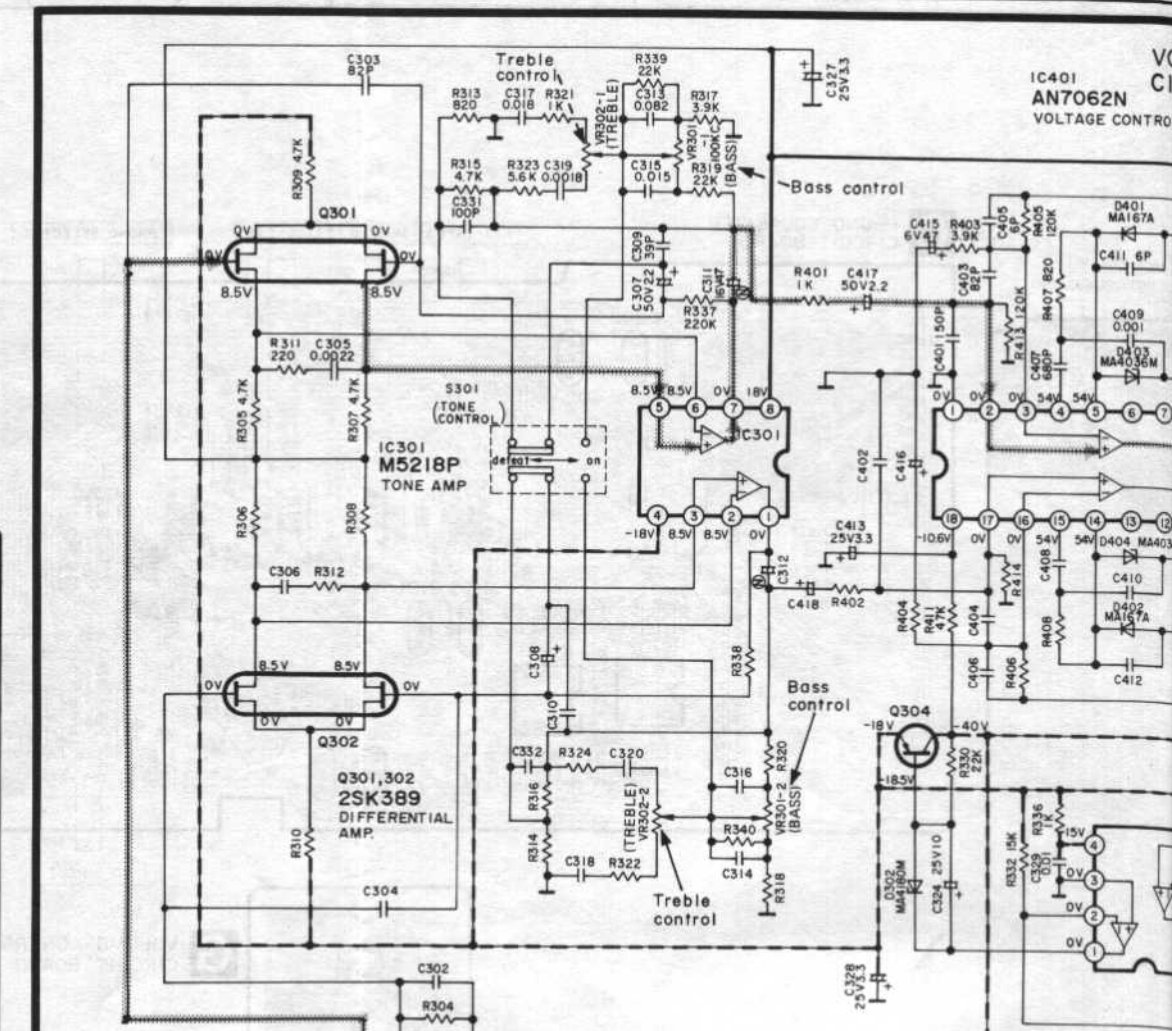
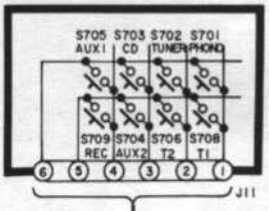
B INPUT SELECTOR CIRCUIT



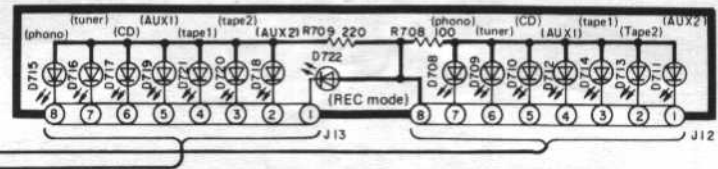
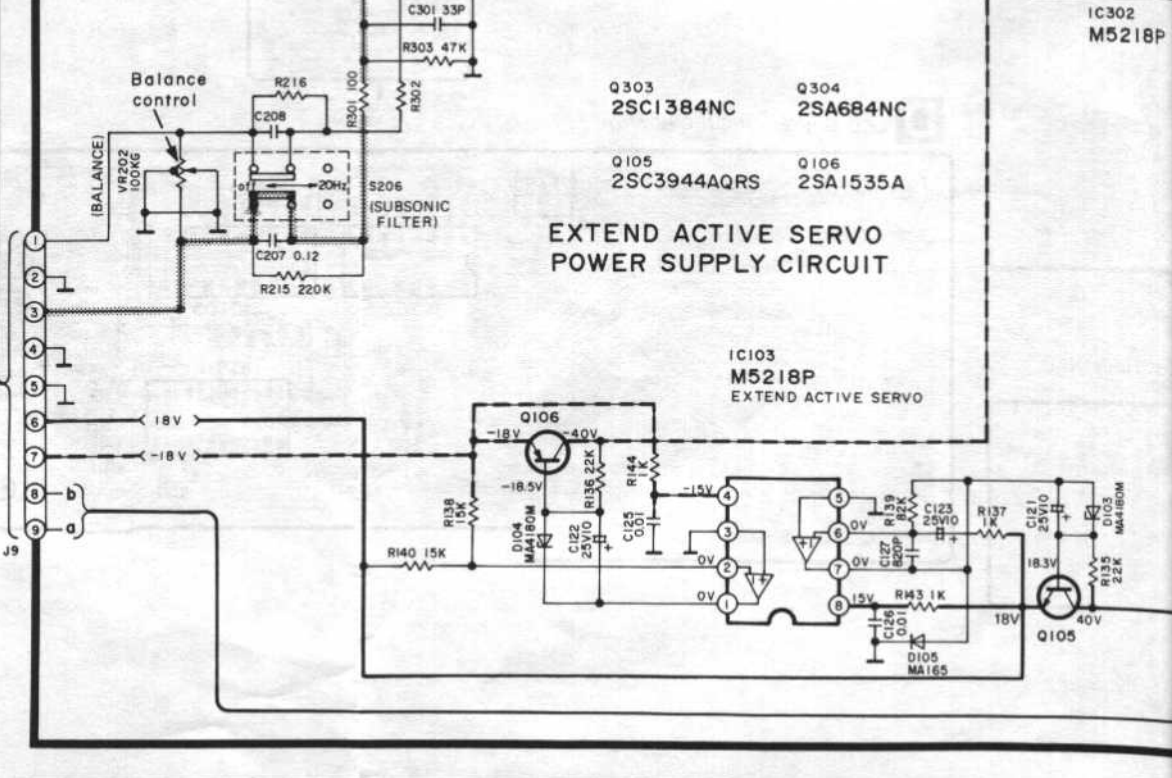


G

H INPUT/REC SELECTOR SWITCH



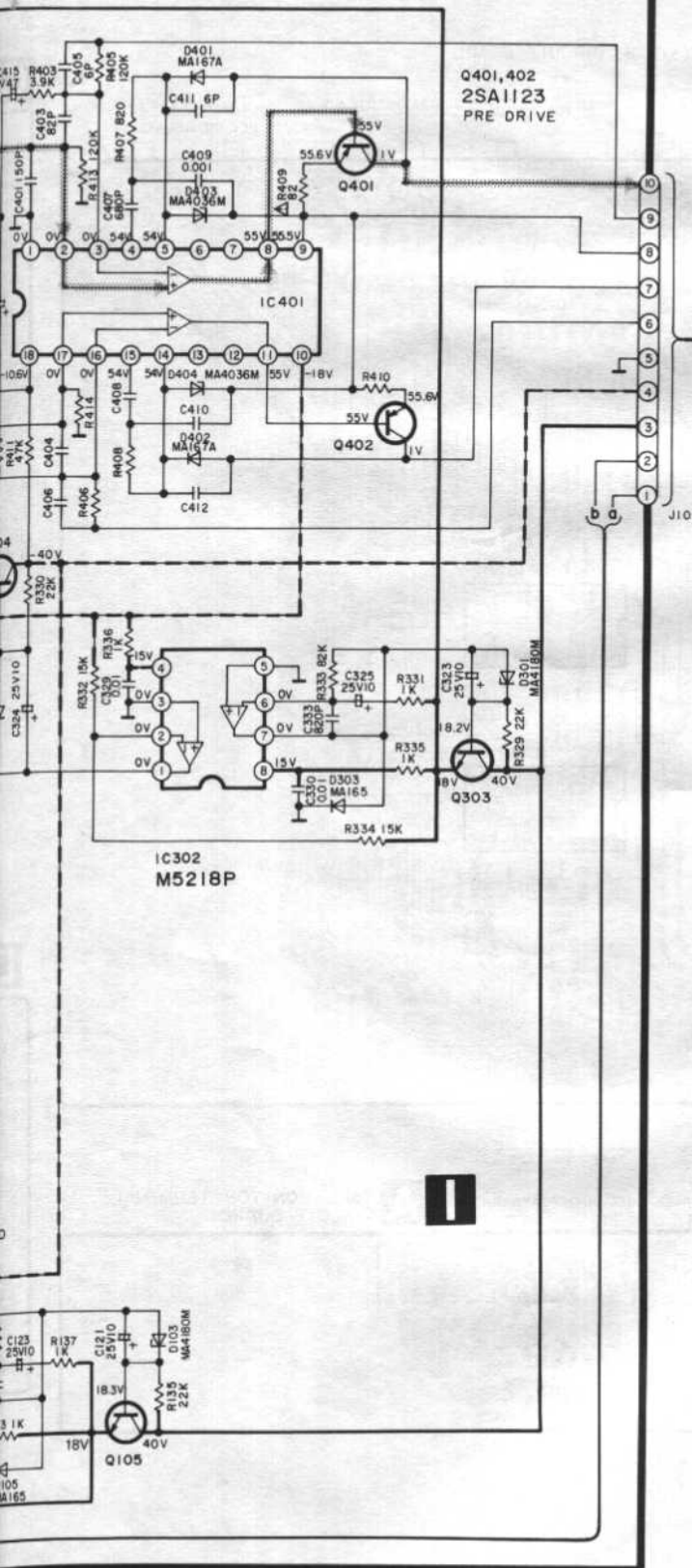
**EXTEND ACTIVE SERVO
POWER SUPPLY CIRCUIT**



J INPUT/REC SELECTOR LED

VOLTAGE CONTROL AMP CIRCUIT

IC401
AN7062N
VOLTAGE CONTROL AMP.



REC
OR LED

Q451~454
2SC2631
PRE DRIVE

Q455,456
2SA1123
PRE DRIVE

Q457,458
2SC3944A
DRIVE

Q459,460
2SA1535A
DRIVE

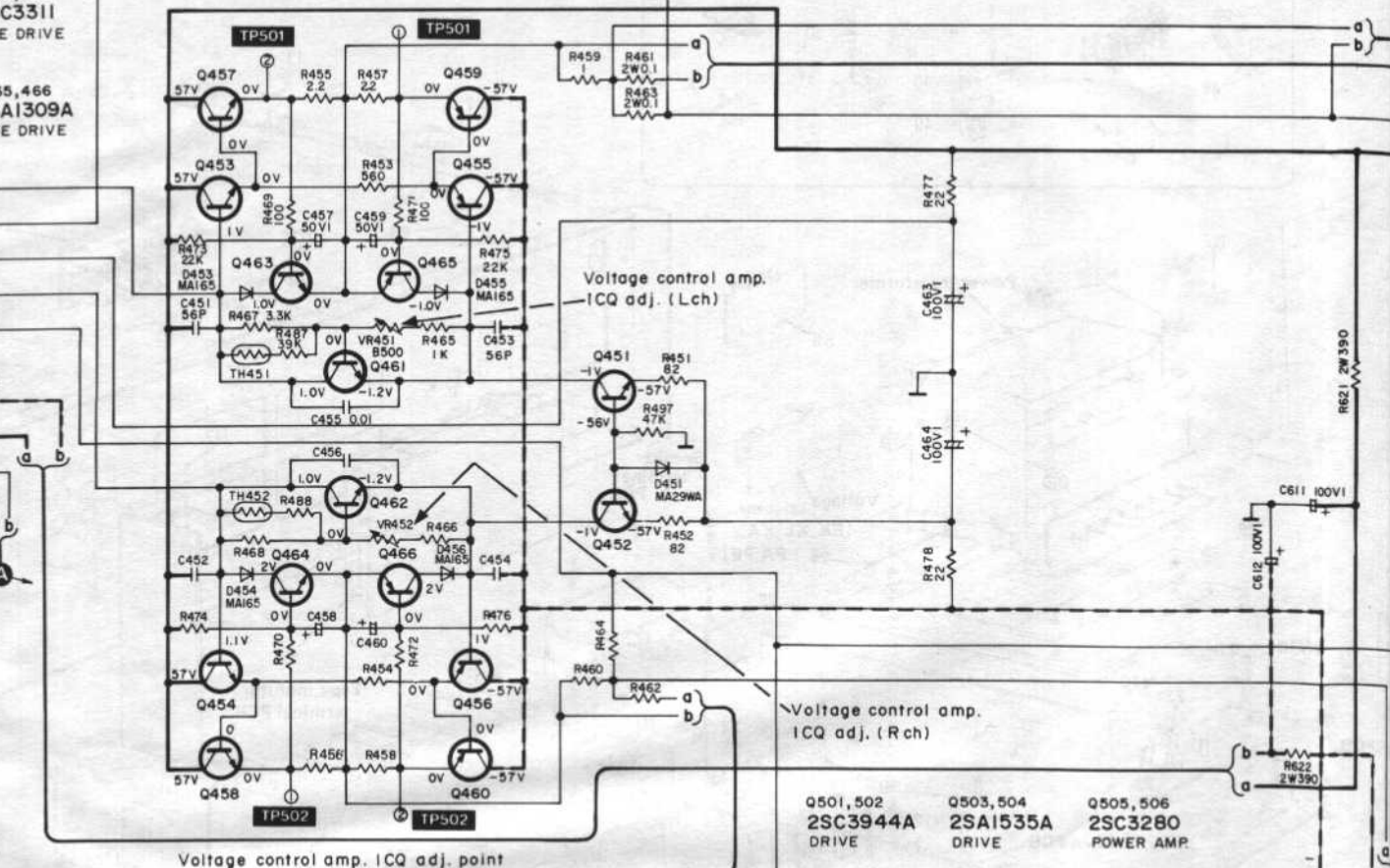
Q461,462
2SC1815
VOLTAGE CONTROL AMP.
(ICQ adj.)

VOLTAGE CONTROL AMP. CIRCUIT

Q463,464
2SC3111
PRE DRIVE

Q465,466
2SA1309A
PRE DRIVE

Voltage control amp. ICQ adj. point



Voltage control amp. ICQ adj. point

Q501,502
2SC3944A
DRIVE

Q503,504
2SA1535A
DRIVE

Q505,506
2SC3280
POWER AMP.

Q507,508
2SA1301
POWER AMP.

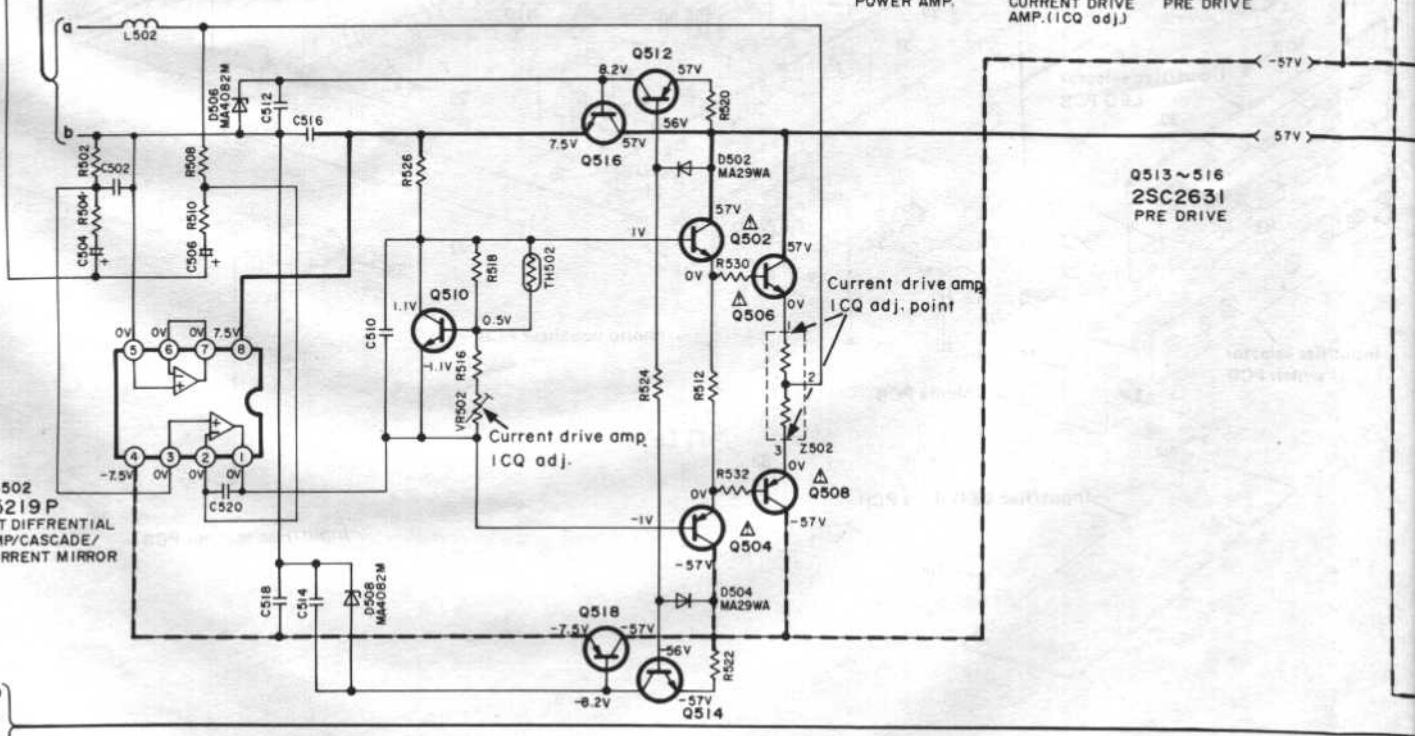
Q509,510
2SC1815
CURRENT DRIVE
AMP.(ICQ adj.)

Q511,512,517,518
2SA1123
PRE DRIVE

Q513~516
2SC2631
PRE DRIVE

IC502
M5219P
FET DIFFERENTIAL
AMP/CASCADE/
CURRENT MIRROR

CURRENT DRIVE AMP. CIRCUIT (Rch)



Current drive amp.
ICQ adj. point

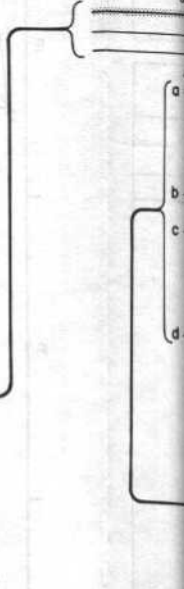
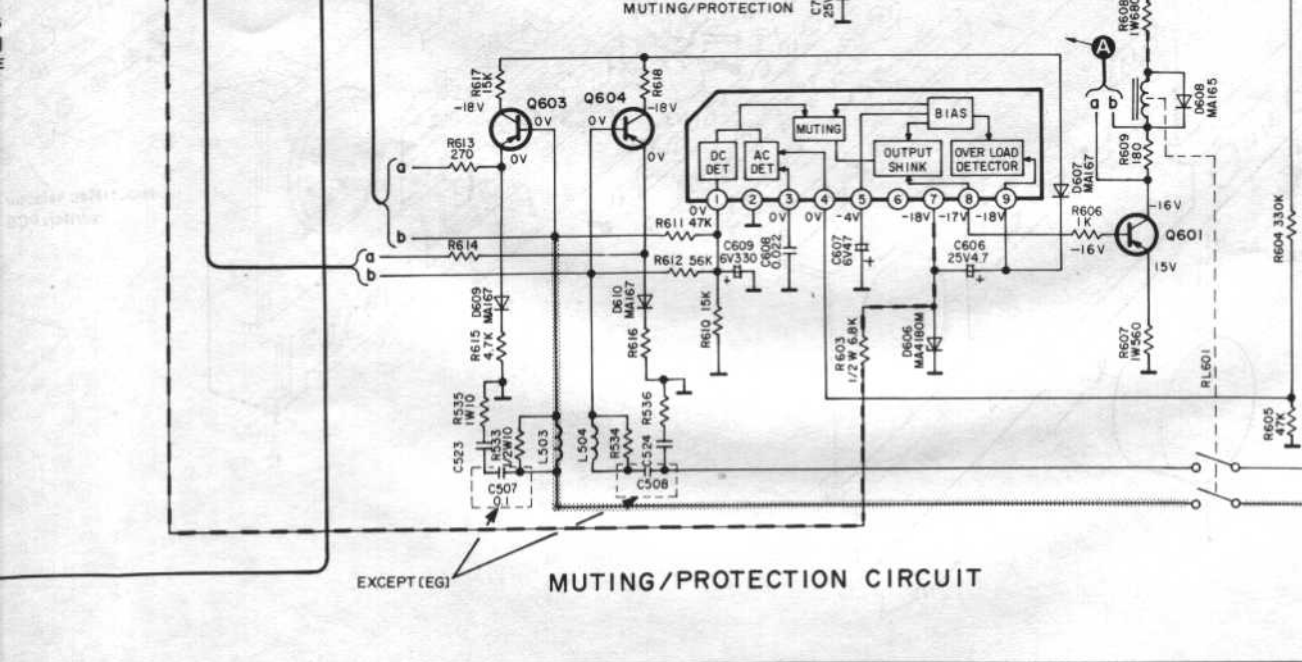
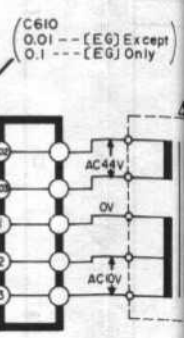
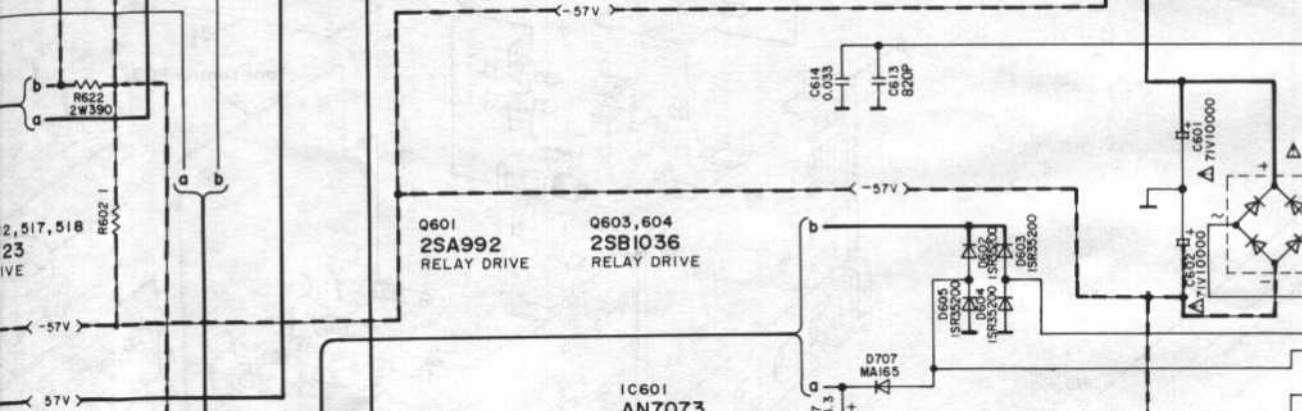
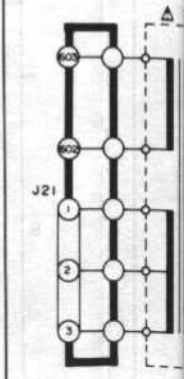
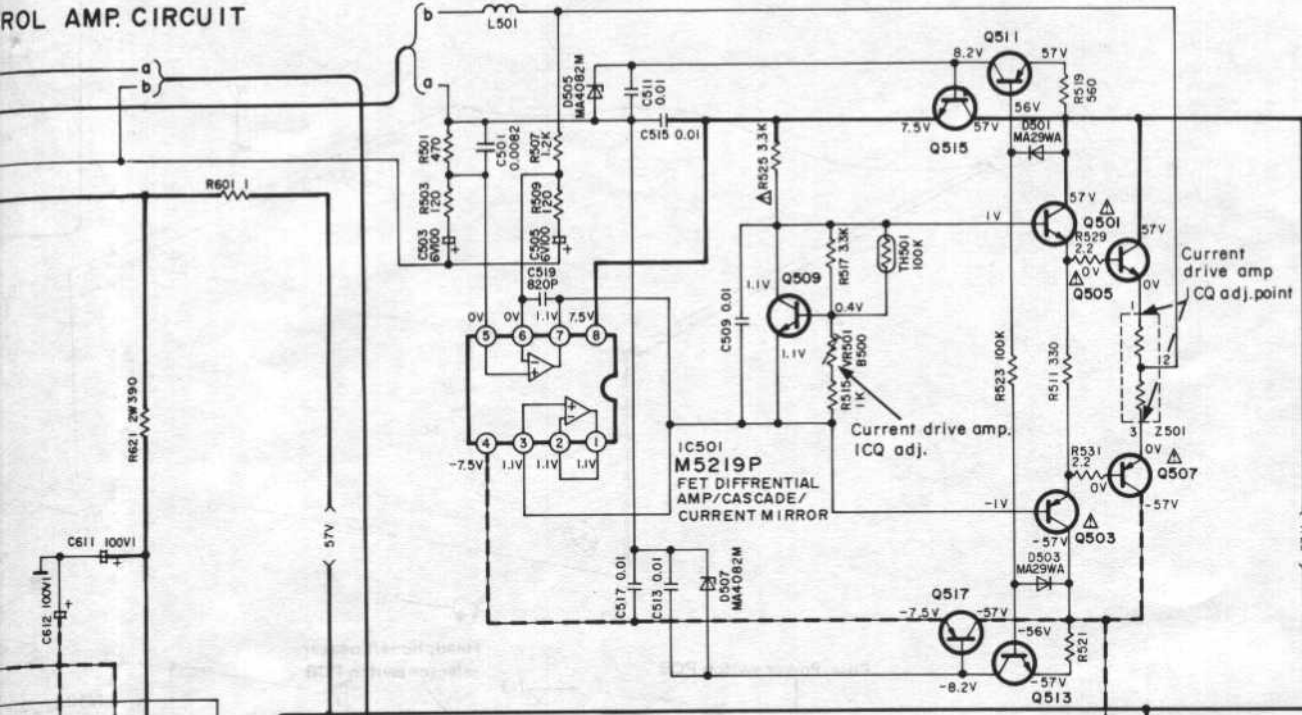
Current drive amp.
ICQ adj.

CURRENT DRIVE AMP. CIRCUIT (L ch)



[EK, XL, XA, P

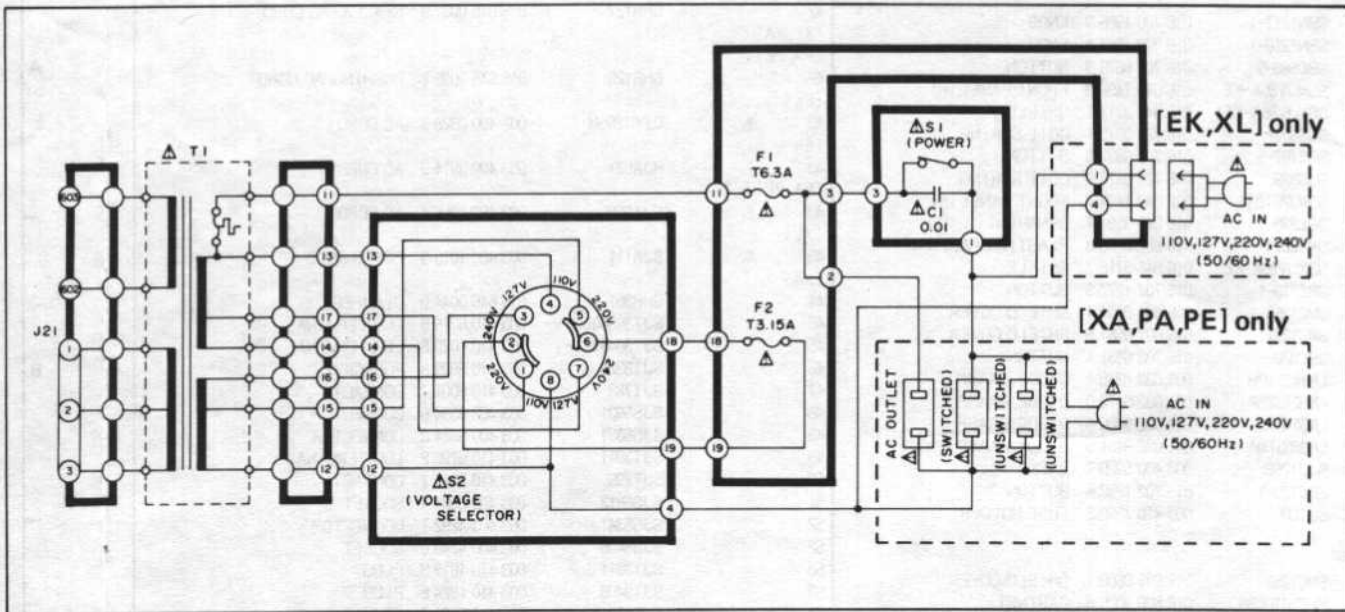
ROL AMP CIRCUIT



EXCEPT (EG)

MUTING/PROTECTION CIRCUIT

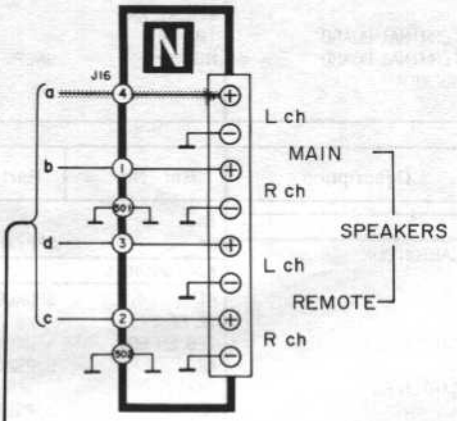
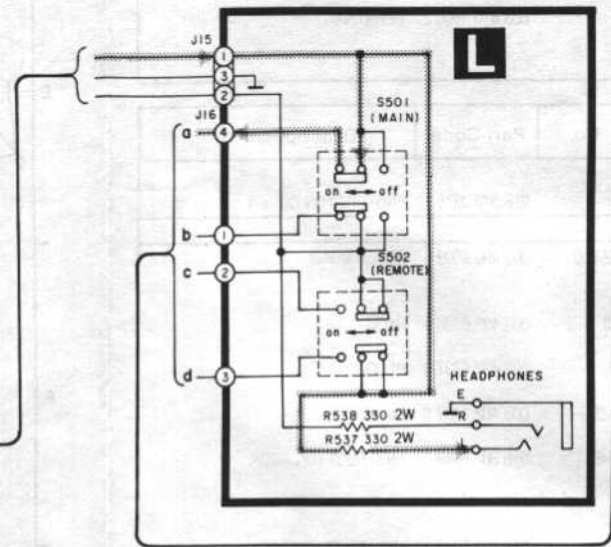
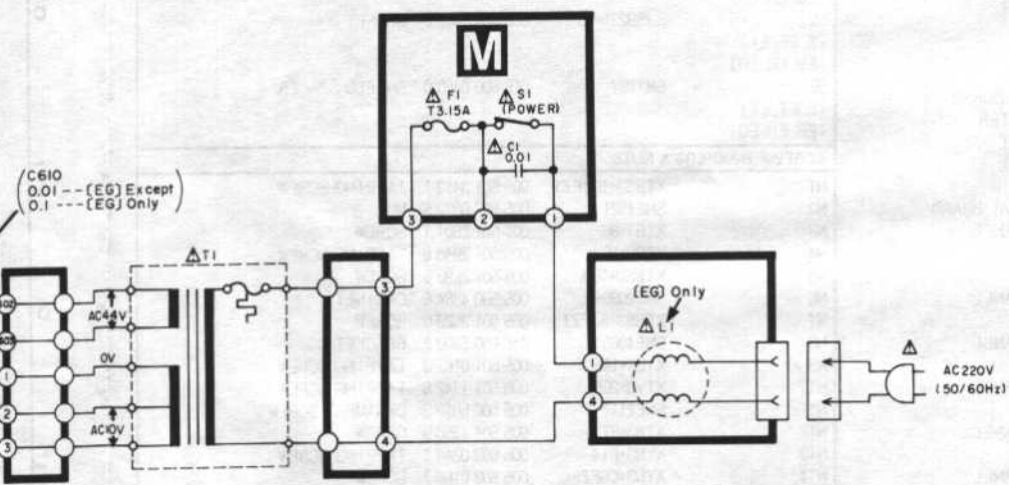
[EK, XL, XA, PA, PE] only



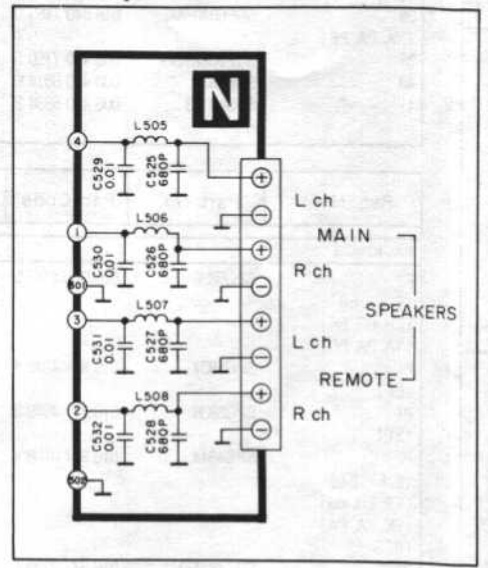
SCHEM

(This schem with the des

- 1. S1 : Power
- 2. S2 (For [EK], : Voltag (127V
- 3. S101 : Phono
- 4. S202 : Tape
- 5. S203 : Mutin
- 6. S204 : Loudn
- 7. S205 : CD di
- 8. S206 : Subso
- 9. S301 : Tone
- 10. S501 : Main s
- 11. S502 : Remo
- 12. S701 ~ S706 : Input




















[EG] only







SCHEMATIC DIAGRAM

(This schematic diagram may be modified at any time with the development of new technology.)

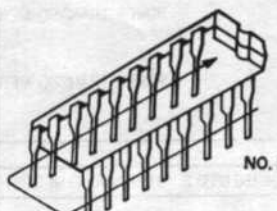

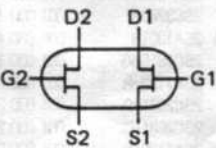

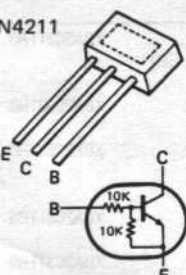
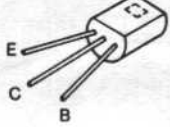
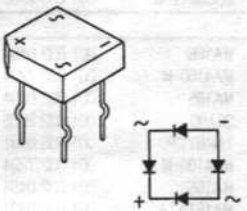
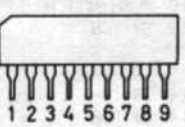
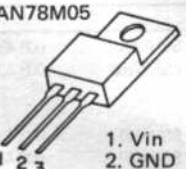
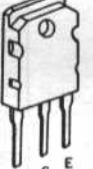
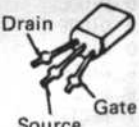
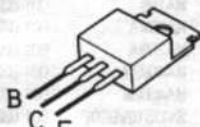
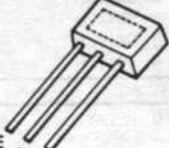

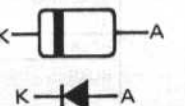
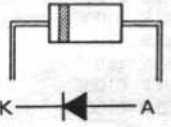
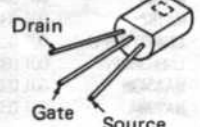
1. **S1** : Power switch in "on" position.
2. **S2 (For [EK],[XA],[XL],[PA],[PE] area)**
: Voltage selector switch in "220V" position.
(127V ↔ 110V ↔ 220V ↔ 240V)
3. **S101** : Phono selection switch in "MM" position.
( MM,  MC)
4. **S202** : Tape 3 mon/ext switch in "source/out" position.
( source/out,  tape/in)
5. **S203** : Muting switch in "0dB" position.
( 0dB,  -20dB)
6. **S204** : Loudness switch in "off" position.
( off,  on)
7. **S205** : CD direct switch in "off" position.
( off,  on)
8. **S206** : Subsonic filter switch in "off" position.
( off,  20Hz)
9. **S301** : Tone control switch in "defeat" position.
( defeat,  on)
10. **S501** : Main speaker switch in "off" position.
( off,  on)
11. **S502** : Remote speaker switch in "off" position.
( off,  on)
12. **S701 ~ S706, S708, S709**
: Input selector switch in "phono" position.
S701 : phono, **S702** : tuner, **S703** : CD
S704 : aux 2, **S705** : aux 1, **S706** : tape 2
S708 : tape 1, **S709** : rec mode

13. Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

14.  Phono signal (Lch)
15.  Positive voltage lines.
 Negative voltage lines.

16. Important safety notice:
Components identified by  mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

• Terminal guide of IC, transistor and diode

 NO. 1		<table border="1"> <tbody> <tr><td>M5218P</td><td>8Pin</td></tr> <tr><td>M5219P</td><td>8Pin</td></tr> <tr><td>DN74LS145</td><td>16Pin</td></tr> <tr><td>AN7062N</td><td>18Pin</td></tr> <tr><td>UPD7566CS044</td><td>24Pin</td></tr> <tr><td>TC9163N</td><td>28Pin</td></tr> <tr><td>TC9164N</td><td>28Pin</td></tr> </tbody> </table>	M5218P	8Pin	M5219P	8Pin	DN74LS145	16Pin	AN7062N	18Pin	UPD7566CS044	24Pin	TC9163N	28Pin	TC9164N	28Pin	2SK389  <ol style="list-style-type: none"> 1. D1 2. G1 3. S1 4. sub 5. S2 6. G2 7. D2 	
M5218P	8Pin																	
M5219P	8Pin																	
DN74LS145	16Pin																	
AN7062N	18Pin																	
UPD7566CS044	24Pin																	
TC9163N	28Pin																	
TC9164N	28Pin																	
LN48Y, LN846R LN463Y, LN863R 	UN4211 	2SA684, 2SA992 2SA1123, 2SB621 2SB1036, 2SC1384 2SC1815, 2SC2631 2SD592, 2SD1512 	SVDS10VB20F 															
AN7073 	AN78M05  <ol style="list-style-type: none"> 1. Vin 2. GND 3. Vout 	2SA1301, 2SC3280 	2SK369 	2SA1535, 2SC3944 														
2SA1309, 2SC3311 	MA4030M, MA4100M MA4043M, MA4180M MA4068M 	MA29WA, MA167A MA165, OA90 	1SR35200 	2SK301 														

Service Manual

Stereo Integrated Amplifier

Amplifier

SU-V85A

Supplement

Color

(K) . . . Black Type

Color	Areas
(K)	[PA] . . . East PX.
(K)	[PE] . . . European Military.

Please use this manual together with the service manual for Model No. SU-V85A, Order No. HAD8612793C9.

CHANGES

■ SPECIFICATIONS

(OLD)

(NEW)

(DIN 45 500)

■ AMPLIFIER SECTION

20 Hz ~ 20 kHz continuous power output both channels driven	2 x 100W (8Ω)
1 kHz continuous power output both channels driven	2 x 150W (8Ω)
Total harmonic distortion rated power at 20 Hz ~ 20 kHz	0.002% (8Ω)
rated power at 1 kHz	0.0007% (8Ω)
Intermodulation distortion rated power at 250 Hz : 8 kHz = 4 : 1, 4Ω	0.005%
rated power at 60 Hz : 7 kHz = 4 : 1, SMPTE, 8Ω	0.005%
Power bandwidth both channels driven, -3 dB	5 Hz ~ 60 kHz (8Ω, 0.025%)
Load impedance MAIN or REMOTE	4Ω ~ 16Ω
MAIN and REMOTE	8Ω ~ 16Ω
Input sensitivity and impedance PHONO MM	2.5mV/47kΩ
PHONO MC	170μV/220Ω
TUNER, CD, AUX 1, AUX 2, TAPE 1/DA TAPE, TAPE 2, TAPE 3/EXT	150mV/18kΩ
PHONO maximum input voltage (1 kHz, RMS) MM	160mV
MC	12mV
S/N rated power PHONO MM	79 dB (88 dB, IHF, A)
PHONO MC	70 dB (72 dB, 250μV, IHF, A)
TUNER, CD, AUX 1, AUX 2, TAPE 1/DA TAPE, TAPE 2, TAPE 3/EXT	94 dB (IHF, A : 106 dB)

(IHF '78)

■ AMPLIFIER SECTION

Rated minimum sine wave RMS power output 20 Hz ~ 20 kHz both channels driven	120 W per channel (8Ω)
0.003% total harmonic distortion	
1 kHz continuous power output both channels driven	130 W per channel (8Ω)
0.003% total harmonic distortion	
Total harmonic distortion rated power at 20 Hz ~ 20 kHz	0.003% (8Ω)
rated power at 1 kHz	0.003% (8Ω)
Intermodulation distortion rated power at 250 Hz : 8 kHz = 4 : 1, 8Ω	0.005%
rated power at 50 Hz : 7 kHz = 4 : 1, SMPTE, 8Ω	0.005%
Power bandwidth both channels driven, -3 dB	5 Hz ~ 60 kHz (8Ω, 0.02%)
Load impedance MAIN or REMOTE	6Ω ~ 16Ω
MAIN and REMOTE	12Ω ~ 16Ω
Input sensitivity and impedance PHONO MM	0.25 mV (2.5 mV, IHF '66)/47 kΩ
PHONO MC	17μV (170μV, IHF '66)/220Ω
TUNER, CD, AUX 1, AUX 2, TAPE 1/DA TAPE, TAPE 2, TAPE 3/EXT	15 mV (150 mV, IHF '66)/18 kΩ
PHONO maximum input voltage MM	150 mV
MC	10 mV
S/N (IHF, A) PHONO MM	77 dB (88 dB, IHF '66)
PHONO MC	75 dB (72 dB, IHF '66)
TUNER, CD, AUX 1, AUX 2, TAPE 1/DA TAPE, TAPE 2, TAPE 3/EXT	82 dB (106 dB, IHF '66)

Technics

Matsushita Electric Trading Co., Ltd.
P. O. Box 288, Central Osaka Japan

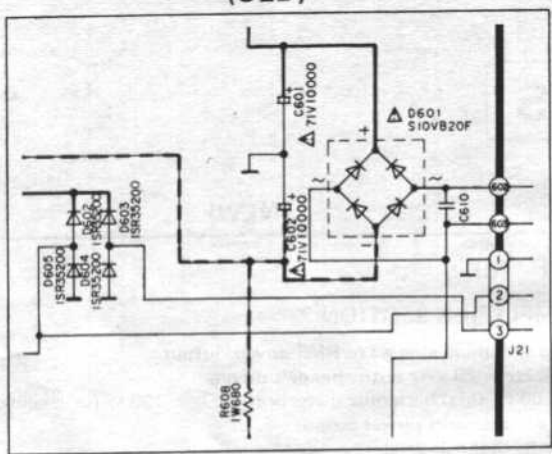
Panasonic Tokyo Office
Matsushita Electric Trading Co., Ltd.
6th Floor, World Trade Center Bldg.
No. 4-1, Hamamatsu-cho 2-Chome, Minato-ku,
Tokyo 105, Japan

REPLACEMENT PARTS LIST

Ref. No.	Change of Part No.		Part Name & Description	Per Set (Pcs.)	Remarks	
	OLD	NEW				
TRANSFORMER						
T1	Δ	SLT5Q148	SLT5Q149	Power Transformer	1	Change
CABINET AND CHASSIS						
28		SMN2039	-----	Bracket	0	Deletion
38		SGP6940-4A	SGP6940-4B	Rear Panel	1	Change
CAPACITOR						
C601	Δ	ECET71R103Y	ECET71R562U	Electrolytic, 71V, 5600μF	1	Change
C602	Δ	ECET71R103Y	ECET71R562U	Electrolytic, 71V, 5600μF	1	Change
C603	Δ	-----	ECET71R562U	Electrolytic, 71V, 5600μF*	1	Addition
C604	Δ	-----	ECET71R562U	Electrolytic, 71V, 5600μF	1	Addition

SCHEMATIC DIAGRAM

(OLD)



(NEW)

