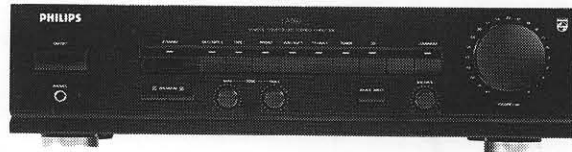


Amplifier

70FA660/00R/01R/05R

FA660/00R/01R/05R

Service
Service
Service



SPECIFICA

General

Mains voltage

Mains frequ

Power consu

Dimensions

Weight

Amplifier

Output pow

Distortion

T.H.D.

Intermod

Frequency o

Phono in

Other inp

Bass cont

Treble co

Loudness

Signal/noise

weighted (A

Phono in

Other inp

Channel sep

Input sensiti

Audio

Phono

Other inp

Output level

Tape 1, 2

GB

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

NL

Veiligheidsbepalingen vereisen, dat het apparaat in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde worden toegepast.

D

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Geräts darf nicht verändert werden für Reparaturen sind Original-Ersatzteile zu verwenden.

I

Le norme di sicurezza esigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati pezzi di ricambio identici a quelli specificati.

F

Les normes de sécurité exigent que l'appareil soit remis à l'état d'origine et que soient utilisées les pièces de rechange identiques à celles spécifiées.

SPECIFICATION

General

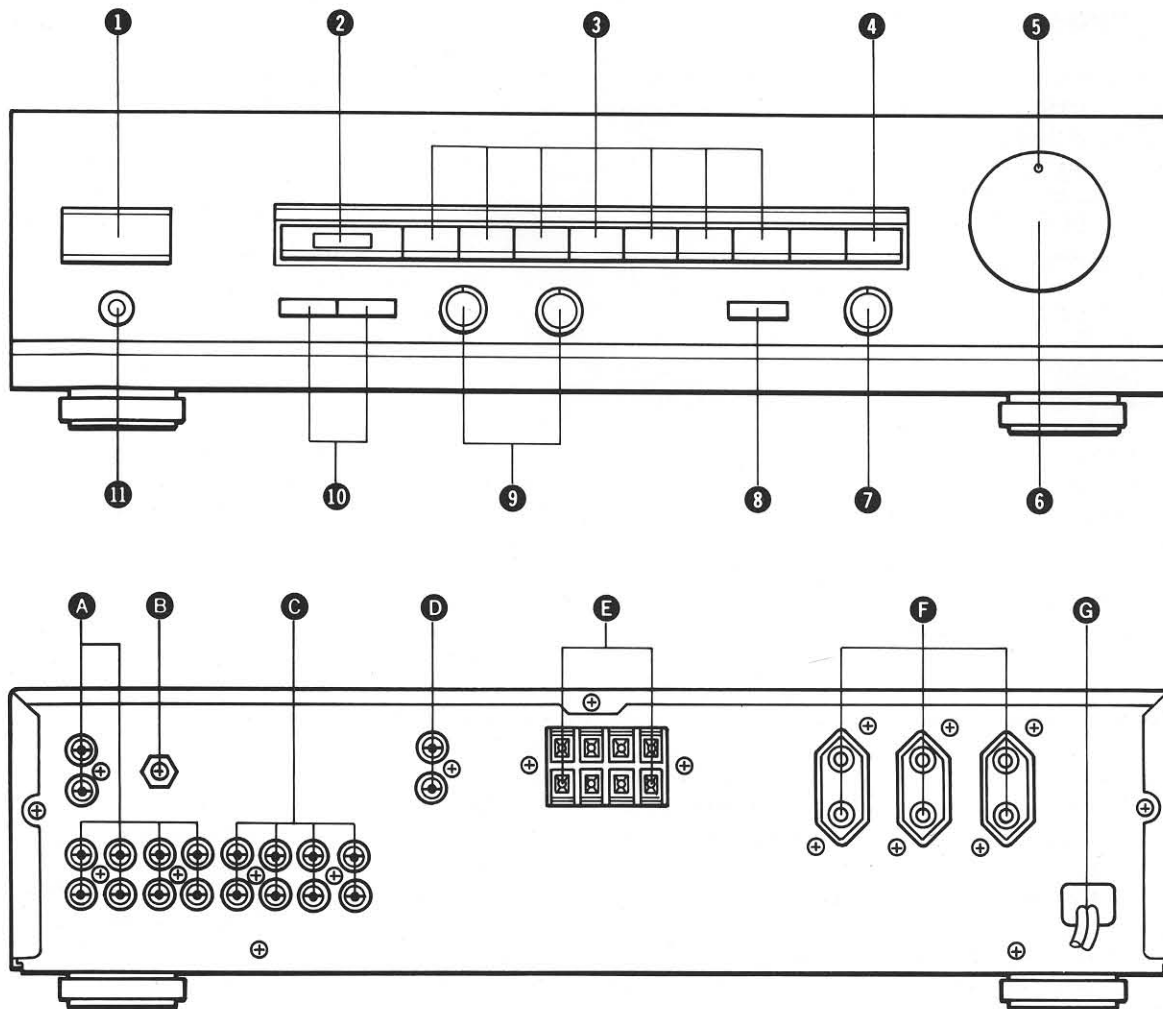
	Nominal value	Typical value
Mains voltage	: 220V ~ (/00R) : 240V ~ (/05R) : 110/120/220/240V (/01R)	: 220V ~ (/00R) : 240V ~ (/05R) : 120V ~ (/01R)
Mains frequency	: 50 – 60 Hz	: 50 – 60 Hz
Power consumption	: 140W/200W	: 140W/200W
Dimensions (WxHxD)	: 420 x 100 x 260 mm	: 420 x 100 x 260 mm
Weight	: 4.9 kg/6.0 kg	: 4.9 kg/6.0 kg

Amplifier

Output power	: 27W/44W in 8Ω (IEC)	: 29W/50W in 8Ω (IEC)
Distortion T.H.D.	: ≤ 0.05% at 1 kHz : ≤ 0.05% at 63 Hz – 12.5 kHz } (IEC) : ≤ 0.05% at 60/7000 Hz 4:1	: ≤ 0.008% at 1 kHz : ≤ 0.035% at 65 Hz – 12.5 kHz } (IEC) : ≤ 0.03% at 60/7000 Hz 4:1
Intermodulation		
Frequency characteristic		
Phono input } tone control	: from 20 Hz – 20 kHz ±1 dB (IEC)	: from 20 Hz – 20 kHz ±0.5 dB (IEC)
Other inputs } neutral	: from 20 Hz – 30 kHz ±1 dB	: from 15 Hz – 45 kHz ±1 dB
Bass control	: at 63 Hz +10 dB to –10 dB ±2 dB	: at 63 Hz +10 dB to –10 dB
Treble control	: at 12.5 kHz +10 dB to –10 dB ±2 dB	: at 12.5 kHz +10 dB to –10 dB
Loudness	: at 100 Hz +6 dB ±2 dB } Tap : at 10 kHz +4 dB ±1.5 dB } position	: at 100 Hz +6 dB } Tap : at 10 kHz +4 dB } position
Signal/noise ratio weighted (A-curve)		
Phono input (5 mV input)	: for 40W output ≥ 76 dB	: for 40W output ≥ 80 dB
Other inputs (500 mV input)	: for 40W output ≥ 92 dB	: for 40W output ≥ 96 dB
Channel separation	: at 1000 Hz ≥ 56 dB : at 250 Hz – 10 kHz ≥ 40 dB	: at 1000 Hz ≥ 60 dB : at 250 Hz – 10 kHz ≥ 45 dB
Input sensitivity/Input impedance		
Audio		
Phono	: 2.6 mV ± 0.3 mV/47 kΩ ± 5 kΩ	: 2.6 mV/47 kΩ
Other inputs	: 150 mV ± 20 mV/≥ 20 kΩ	: 150 mV/25 kΩ
Output level/Output impedance		
Tape 1, 2	: 250 mV/550Ω (Phono 5.0 mV 1 kHz input)	: 280 mV/550Ω (Phono 5.0 mV 1 kHz input)

driften zu
ändert werden

rimesso nelle
go identici a



CONNECTIONS AND CONTROLS

Front Panel

- | | | |
|----|------------------------|------------|
| 1 | Mains switch | S911 |
| 2 | IR | ZU01 |
| 3 | Function switches | SU01÷SU07 |
| 4 | Loudness switch | SG01 |
| 5 | Volume/Power indicator | DY01 |
| 6 | Volume control | RG05 |
| 7 | Balance control | RE25 |
| 8 | Source direct switch | SE01 |
| 9 | Tone control | RE23, RE24 |
| 10 | Speakers A/B switch | S701 |
| 11 | Phones socket | JW51 |

- | | | |
|---|------------------------------|------------------|
| A | Input | J401, JV01, JV02 |
| B | Ground terminal | J031 |
| C | Tape input/output | JV03, JV04 |
| D | Remote input/output | JW03 |
| E | Speaker systems A/B terminal | JW01 |
| F | AC Outlet | J951, J952, J953 |
| G | Mains cord | W001 |

(GB) Mains volt

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2. With units o
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3. If the unit h
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4. With units o
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OFF before

(F) Méthode

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2. Sur les app
est de 240V
Pour change
comme pou
fils conduct
3. Si l'appareil
ou 2 ci-dess
blanc (220V
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4. Sur les app
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la tension.

(NL) Methode

Verander de aa
van de transfo
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waarop het toe

1. Bij toestellen
220V.
Verwissel de
het toestel
van de /05R
2. Bij toestellen
240V.
Verwissel de
het toestel
van de /00R

(GB) Mains voltage changeover method

To make the unit usable with the other local mains voltage than the factory setting, modify the lead wire connection on the primary side of the power transformer as follows.

1. With units of the /00R version, the rated voltage is 220V. To change the mains voltage for the unit to the same 240V as the /05R version, exchange the connections of the White and Red lead wires.
2. With units of the /05R version, the rated voltage is 240V. To change the mains voltage for the unit to the same 220V as the /00R version, exchange the connections of the Red and White lead wires.
3. If the unit has already experienced the voltage changeover of 1 or 2 above, confirm which of the Red (240V) or White (220V) lead wires is connected to the fuse (F911) before attempting to change the connections.
4. With units of the /01R version, the rated voltage is 120V. To change the operating voltage for the unit, set the switch on the rear panel to your local mains voltage setting. Be sure that the unit's power switch is turned OFF before changing the voltage.

(F) Méthode de changement de la tension

Pour rendre l'appareil utilisable sur une autre tension secteur locale que celle réglée en usine, modifier la connexion du fil conducteur sur le côté primaire du transformateur d'alimentation comme suit.

1. Sur les appareils de la version /00R, la tension nominale est de 220V. Pour changer la tension secteur de l'appareil sur les 240V comme pour la version /05R, changer les connexions des fils conducteurs blanc et rouge.
2. Sur les appareils de la version /05R, la tension nominale est de 240V. Pour changer la tension secteur de l'appareil sur les 220V comme pour la version /00R, changer les connexions des fils conducteurs rouge et blanc.
3. Si l'appareil a déjà subi le changement de tension de 1 ou 2 ci-dessus, vérifier le fil conducteur, rouge (240V) ou blanc (220V), raccordé au fusible (F911) avant de tenter de changer les connexions.
4. Sur les appareils de la version /01R, la tension nominale est de 120V. Pour changer la tension de fonctionnement de l'appareil, régler le commutateur du panneau arrière sur la tension secteur locale. S'assurer que l'interrupteur d'alimentation de l'appareil est sur l'arrêt avant de changer la tension.

(NL) Methode voor instellen op de netspanning

Verander de aansluiting van de draden op de primaire kant van de transformator als volgt om het toestel geschikt te maken voor werking op een andere netspanning dan die waarop het toestel bij levering op ingesteld staat.

1. Bij toestellen van de /00R versie, is de nominale spanning 220V. Verwissel de aansluiting van de witte en rode draden om het toestel aan te passen voor 240V zoals de toestellen van de /05R versie.
2. Bij toestellen van de /05R versie, is de nominale spanning 240V. Verwissel de aansluiting van de rode en witte draden om het toestel aan te passen voor 220V zoals de toestellen van de /00R versie.

3. Als het toestel reeds eenmaal aangepast is volgens bovenstaande procedure 1 of 2, controleer dan of de rode (240V) of witte (220V) draad aangesloten is op de zekering (F911) alvorens de aansluiting om te wisselen.
4. Bij apparaten van de /01R versie bedraagt de nominale spanning 120V. Om de bedrijfsspanning te veranderen, moet de schakelaar op het achterpaneel op de plaatselijke netspanning gezet worden. Zorg dat de netschakelaar op OFF staat voordat de bedrijfsspanning van het apparaat wordt veranderd.

(D) Methode zum Umstellen der Netzspannung

Zur Verwendung dieses Gerätes mit anderen Netzspannungen als der ab Werk eingestellten, müssen die Kabelanschlüsse an der Primärseite des Netztransformators wie folgt verändert werden.

1. Bei Geräten der Version /00R ist die Nennspannung 220V. Zum Umstellen der Netzspannung des Gerätes auf 240V wie bei der Version /05R müssen die Anschlüsse des weißen und des roten Kabels ausgetauscht werden.
2. Bei Geräten der Version /05R ist die Nennspannung 240V. Zum Umstellen der Netzspannung des Gerätes auf 240V wie bei der Version /00R müssen die Anschlüsse des roten und des weißen Kabels ausgetauscht werden.
3. Falls beim Gerät bereits die unter 1 oder 2 beschriebene Spannungsumstellung durchgeführt wurde, muß festgestellt werden, ob das rote Kabel (240V) oder das weiße Kabel (220V) mit der Sicherung (F911) verbunden ist, bevor die Anschlüsse vertauscht werden.
4. Bei Geräten der Version /01R beträgt die Nennspannung 120V. Zum Umstellen der Betriebsspannung des Gerätes den Schalter an der Geräterückseite auf die örtliche Netzspannung einstellen. Vor dem Umstellen der Spannung muß sichergestellt werden, daß der Netzschalter des Gerätes ausgeschaltet ist.

(I) Metodo di regolazione del voltaggio di rete

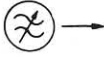





Per poter utilizzare l'unità con voltaggi di rete diversi da quello previsto in fabbrica, modificate il collegamento dei fili sul lato primario del trasformatore di potenza nel modo che segue.

1. Per le unità della versione /00R, il voltaggio normale è di 220V. Per cambiare il voltaggio dell'unità ai 240V della versione /05R, cambiate le posizioni dei fili bianco e rosso.
2. Per le unità della versione /05R, il voltaggio normale è di 240V. Per cambiare il voltaggio dell'unità ai 220V della versione /00R, cambiate le posizioni dei fili rosso e bianco.
3. Se il voltaggio dell'unità è stato già cambiato come visto ai punti 1 o 2, controllate quale dei due fili rosso (240V) o bianco (220V) è collegato al fusibile (F911) prima di cambiare i collegamenti.
4. Per unità della versione /01R, il voltaggio dichiarato è di 120V. Per cambiarlo, regolate l'interruttore del pannello posteriore sul valore di rete della zona in cui vivete. Prima di regolare il voltaggio, controllate che l'unità sia spenta.

JV02

J953

Idling Current

SK... SWITCH	 SIGNAL	 TO	 VOLUME	 ADJUST	 OSCILLOSCOPE	 D.C. METER INDICATOR
			Min.	Rch R718		Rch TP2(+), TP4(-) DC2.5mV (6.9mA)
				Lch R717		Lch TP1(+), TP3(-) DC2.5mV (6.9mA)

(GB) Notes:

- 1 minute after the power has been switched ON, adjust to read 2.5 mV DC.
- If the heat-sink temperature is higher than the ambient temperature, switch the power OFF, and leave the unit until the heat-sink temperature falls equal to or below the ambient temperature before proceeding to the idling current adjustment.
- For the idling current adjustment, adjust the R channel first, then the L channel.

(F) Remarques:

- 1 minute après avoir fourni l'alimentation, ajuster pour lire 2,5 mV CC.
- Si la température de la plaque de refroidissement est supérieure à la température ambiante, couper l'alimentation et laisser l'appareil jusqu'à ce que la température de la plaque de refroidissement soit égale ou inférieure à la température ambiante avant de passer à l'ajustement du courant dévatté.
- Pour le réglage de la puissance réactive, ajuster le canal R (droit) en premier lieu, puis le canal L (gauche).

(NL) Opmerkingen:

- Maak de instelling zodanig dat 2,5 mV gelijkstroom aangegeven wordt na 1 minuut nadat de spanning ingeschakeld wordt.
- Als de temperatuur van de warmteput hoger is dan de omringende temperatuur, schakel dan de spanning uit totdat de temperatuur van de warmteput gelijk is aan of lager is dan de omringende temperatuur alvorens over te gaan tot aanpassen op de stationaire stroom.
- Bij het afstellen van de blinde stroom moet eerst het R-kanaal worden afgesteld en daarna het L-kanaal.

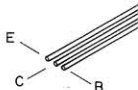
(D) Anmerkungen:

- 1 Minute nach Einschalten der Spannungsversorgung so einstellen, daß 2,5 mV Gleichstrom angezeigt wird.
- Wenn die Temperatur des Kühlkörpers höher ist als die Umgebungstemperatur, die Spannungsversorgung ausschalten und warten, bis die Temperatur des Kühlkörpers gleich der oder niedriger als die Umgebungstemperatur wird, bevor die Ruhestrom-Einstellung durchgeführt wird.
- Für die Ruhestrom-Einstellung zuerst den rechten und dann den linken Kanal einstellen.

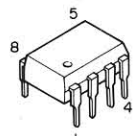
(I) Note:

- Fate in modo da ottenere un valore di 2,5 mV di c.c. un minuto dopo l'accensione.
- Se la temperatura degli organi di dispersione del calore è superiore a quella dell'ambiente, spegnete l'unità e lasciatela raffreddare sino a che la sua temperatura non diviene uguale o inferiore a quella ambiente, quindi procedete con la regolazione della corrente a riposo.
- Per la regolazione della corrente reattiva, regolare prima il canale destro R e quindi il canale sinistro L.

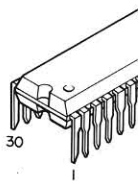
Semiconduct



2SA131



LB1630



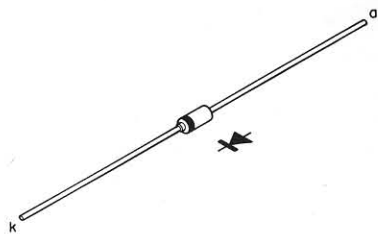
LC782

Semiconductor Layout

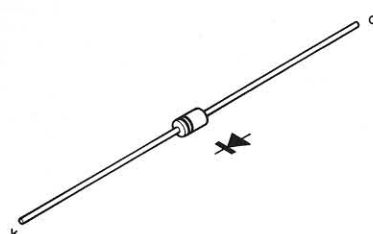
METER
CATOR

Rch
, TP4(-)
V (6.9mA)

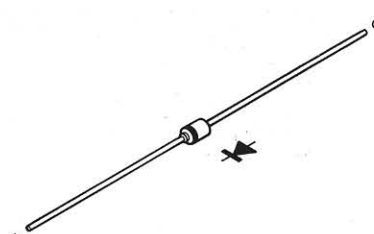
Lch
, TP3(-)
V (6.9mA)



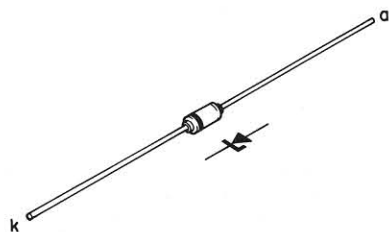
1SS176
1SS254
MA165



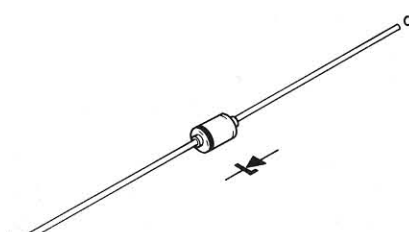
S5566G



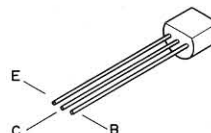
HSS81RX



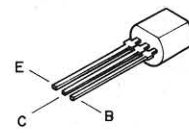
LT3D8B



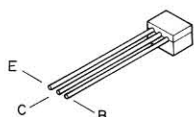
MTZJ3.6A
MTZJ16C



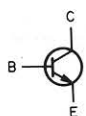
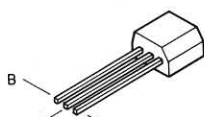
2SC1815E/U



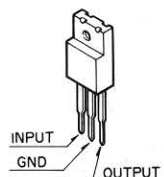
2SC2240
2SC2878



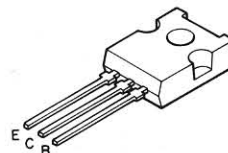
2SA1310



2SC3312



NJM78M06FA



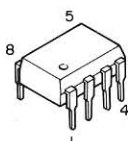
2SC3419(O,Y)



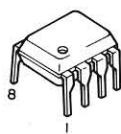
2SA1264



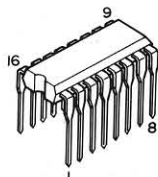
2SC3181



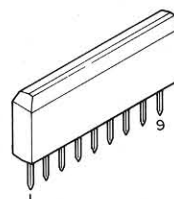
LB1630



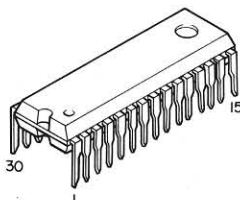
NJM4558D-D



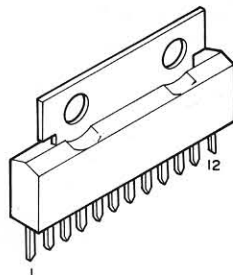
TC9214P



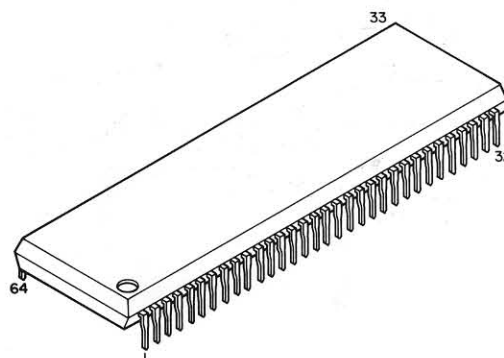
TA7317P



LC7821



μPC1270H



LC6554H

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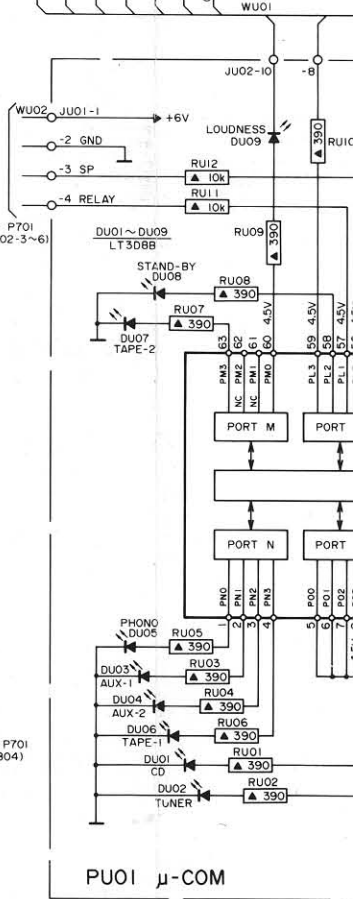
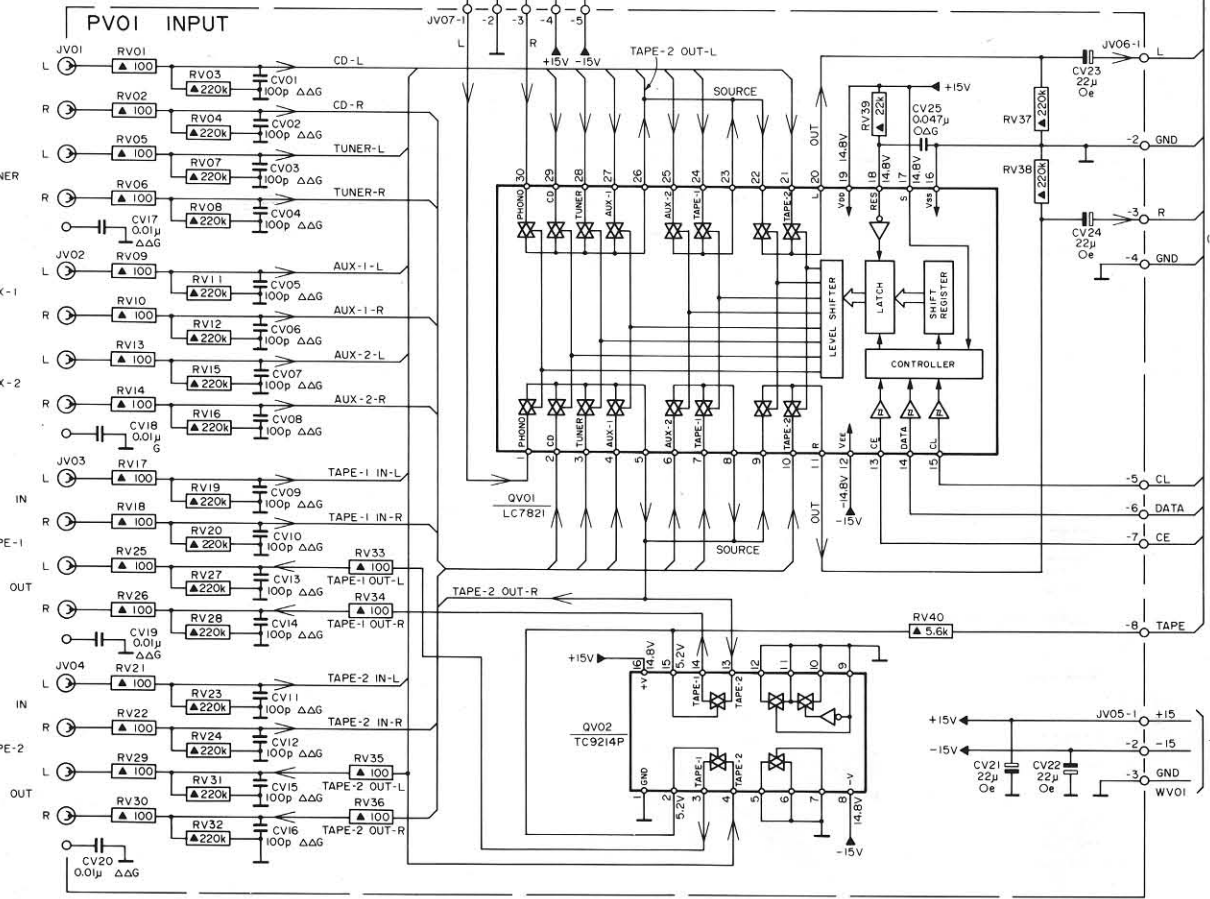
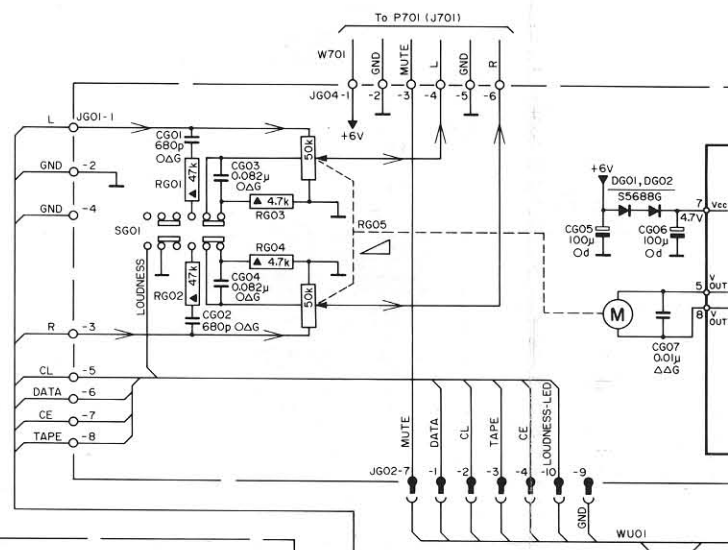
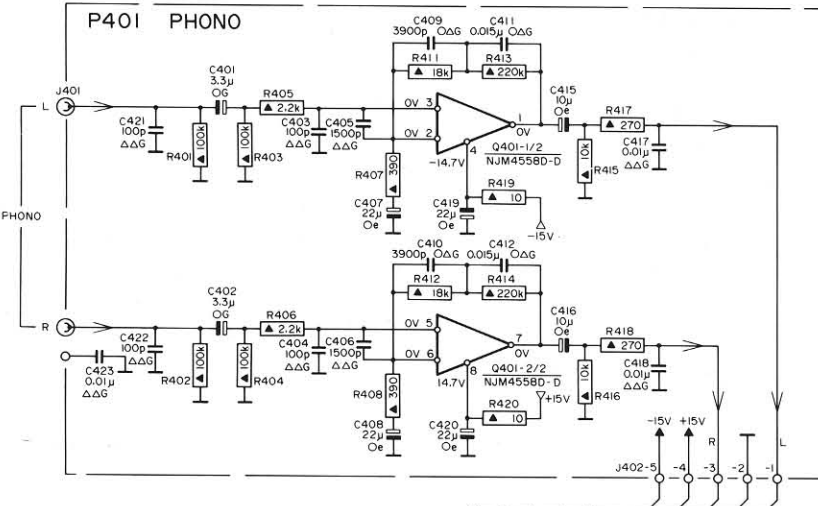
mV di c.c. un

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SCHEMATIC DIAGRAM

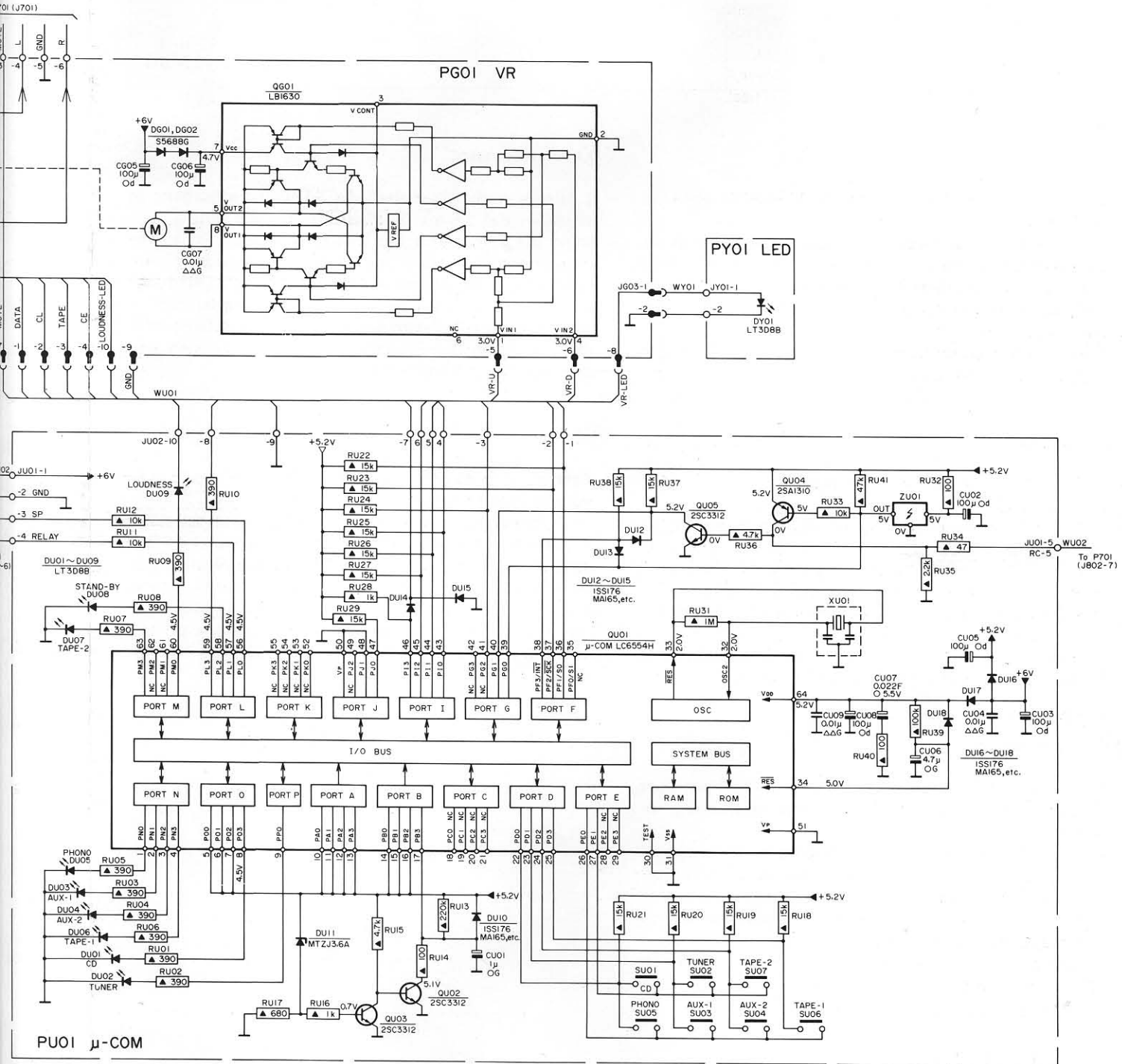
R	R401 R403 R405 R407 R411 R413 R419 R415 R417	R601 R603 R605	RU12 RU11 RU09
	R402 R404 R406 R408 R412 R414 R420 R416 R418	R602 R604	RU07 RU08
	RV01~RV32 RV33~RV36	RV39 RV40 RV37 RV38	RU01~RU06
C	C421 C401 C403 C405 C407 C409 C419 C411 C415 C417	CG01 CG03	CG06
	C423 C422 C402 C404 C406 C408 C410 C420 C412 C416 C418	CG02 CG04	CG05 CG07
	CV17~CV20 CV01~CV16	CV25 CV21 CV22 CV23 CV24	
Q - D		Q401 QV01 QV02	DU01~DU08 DU09 DG01 DG02
S - X - Z			

SG01



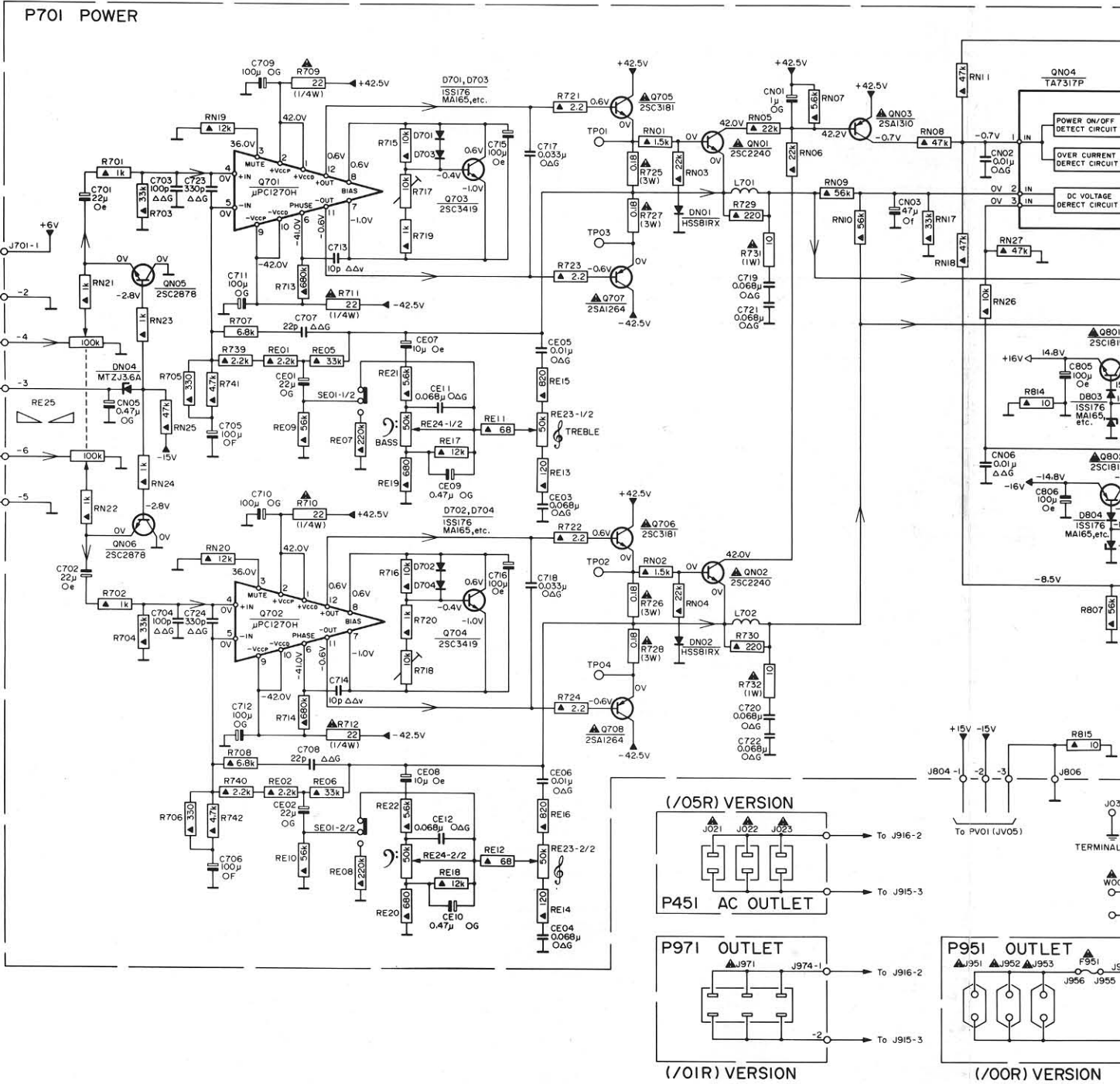
SCHEMATIC DIAGRAM

RU12 RU11 RU09 RU10	RU22~RU28	RU38	RU37	RU36	RU33	RU41	RU32	R	
RU07 RU08	RU30	RU29	RU31	RU36	RU33	RU41	RU35 RU34		
RU01~RU06	RU17	RU16	RU15	RU14	RU13	RU40	RU39		
CG05	CG06						CU02		
	CG07						CU05	C	
DU01~DU08	DJ09 DG01 DG02	QG01	DUI1	QU03 DUI4 QU02 DUI5 DUI0	DUI3 QU01 DUI2	QU05	DY01 QU04	CU09 CU08 CU07 CU06 CU04 CU03	Q - D
					SU01 SU05 SU02 SU03 SU07 SU04 SU06	XU01	ZU01	S - X - Z	



SCHMATIC DIAGRAM

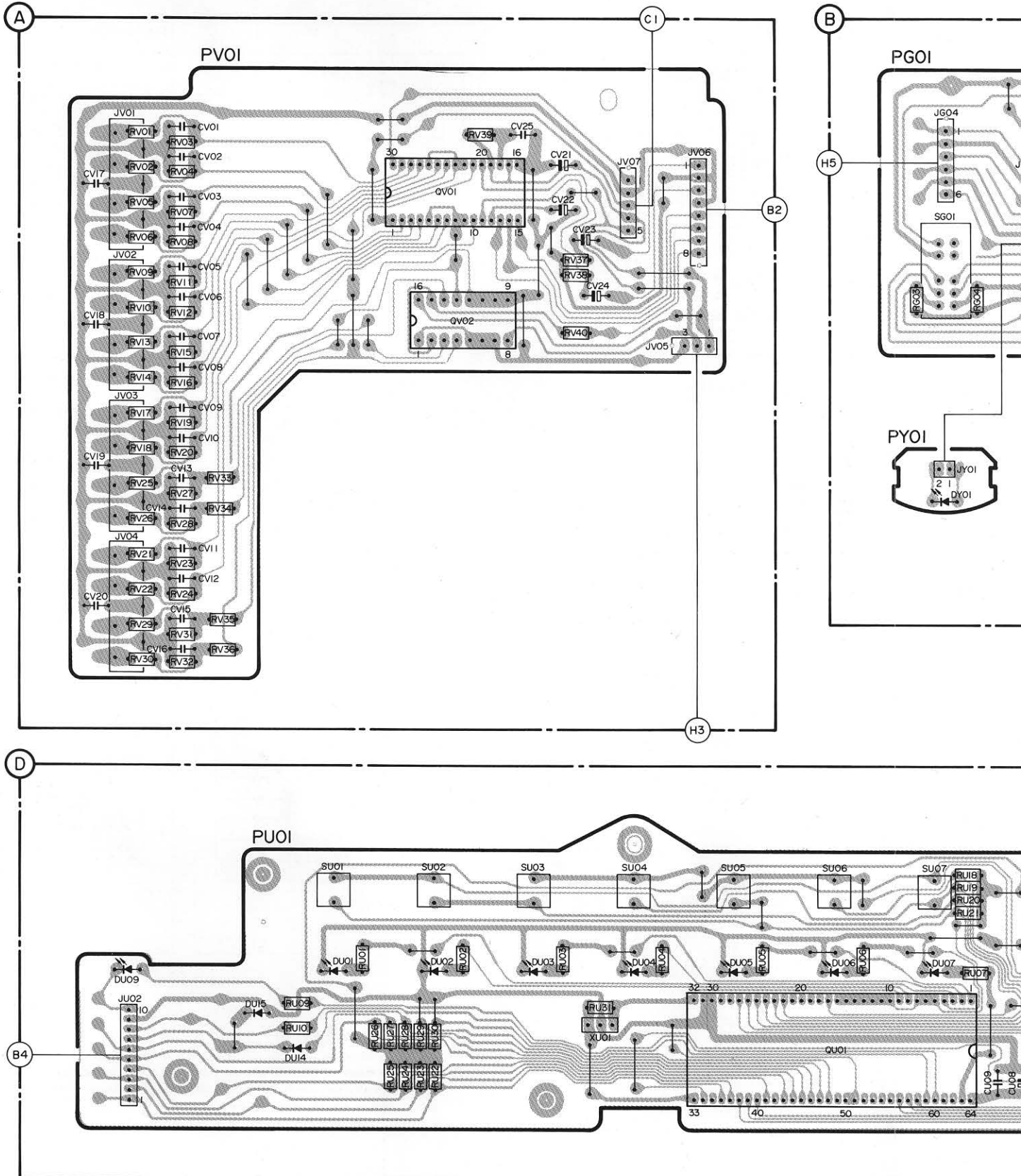
R	RE25 R701~R704 R705 RN19 R739~R742 R707 R709~R714	R715 R720 RE17	R721~R724	RN01~RN04	RN05~RN07 RN09 RN10	RN08 RN11	RN17 RN19 RN26 RN27 R814 R815 R807
C	C701 CN05 C703 C723 C705 C709~C712 C707 C713	CE07~CE12	C715~C718	CE03~CE05	C719~C722	CN03	CN02 C805
Q	Q701	Q703	Q707	Q705	Q701	Q703	Q704 Q80
D	DN06	Q702	Q704	Q708	Q706	DN01	DN02
L - S	SE01			L701 L702		DB03 DB04	



WIRING DIAGRAM

R	RV01~RV36				RV39	RV37 RV38 RV40				RG03	RG04
C	CV17~CV20	CV01~CV16	RU09 RU10	RU01 RU22~RU30	RU02	RU03 RU31	RU04	RU05	RU06	RU18~RU21	RU07
Q									QU01		CU09 CU0
D	DU09		DU15	DU14	DU01	DU02	DU03	DU04	DU05	DU06	DU07
S-Z			SU01		SU02	SU03	XU01	SU04	SU05	SU06	SU07 SGO1

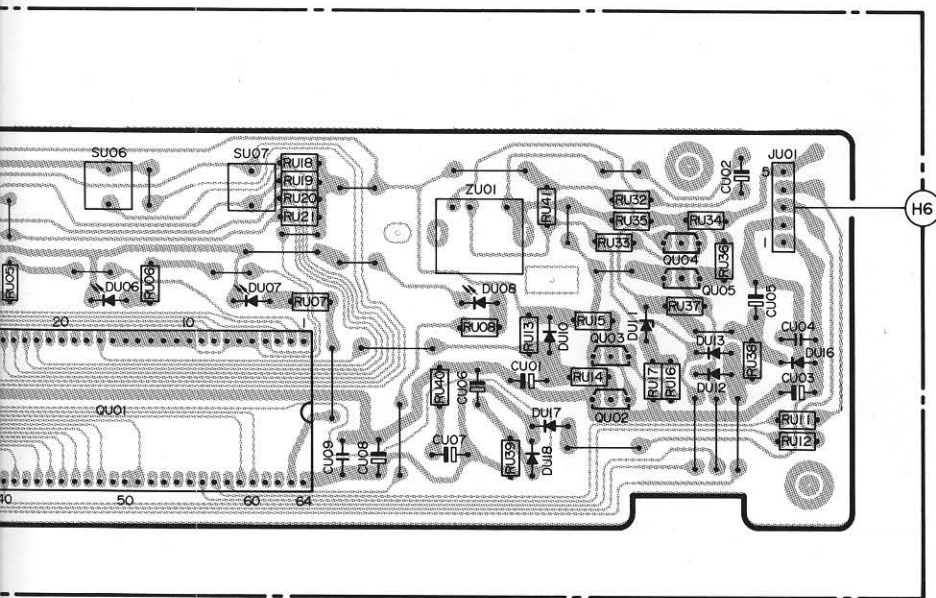
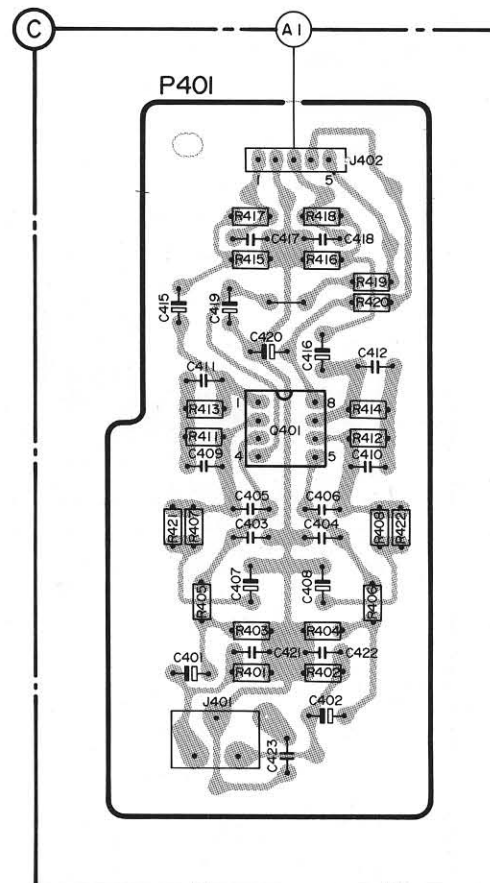
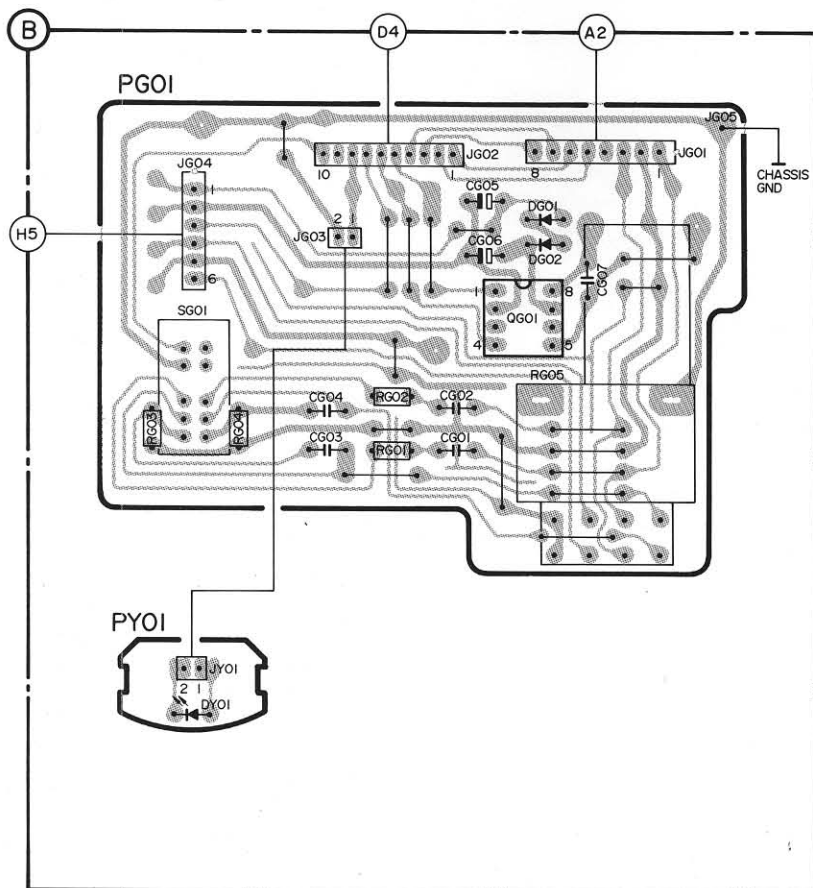
COMPONENT SIDE VIEW



WIRING DIAGRAM

RG03	RG04	RG02	RG01	RG05	RU33	RU32	RU35	RU37	RU34	RU36	R411~R420	R							
RU05	RU06	RUI8~RUI21	RU07	RU40	RU08	RU39	RUI3~RUI5	RU41	RUI7	RUI6	R421	R401~R408	R422						
CG04 CG03											CG02	CG01	CG05	CG06	CG07	C409~C412	C415~C420	C	
CU09 CU08											CU07	CU06	CU01	CU02 CU05 CU04 CU03			C401~C408	C421~C423	Q
QU01	QG01											QU02~QU05	Q401	D					
DU06	DY01	DG01											DG02	S-Z					
SU06	SU07	SG01	ZU01	DU08	DUI8	DUI7	DUI0	DUI1~DUI3	DU01	DU06									

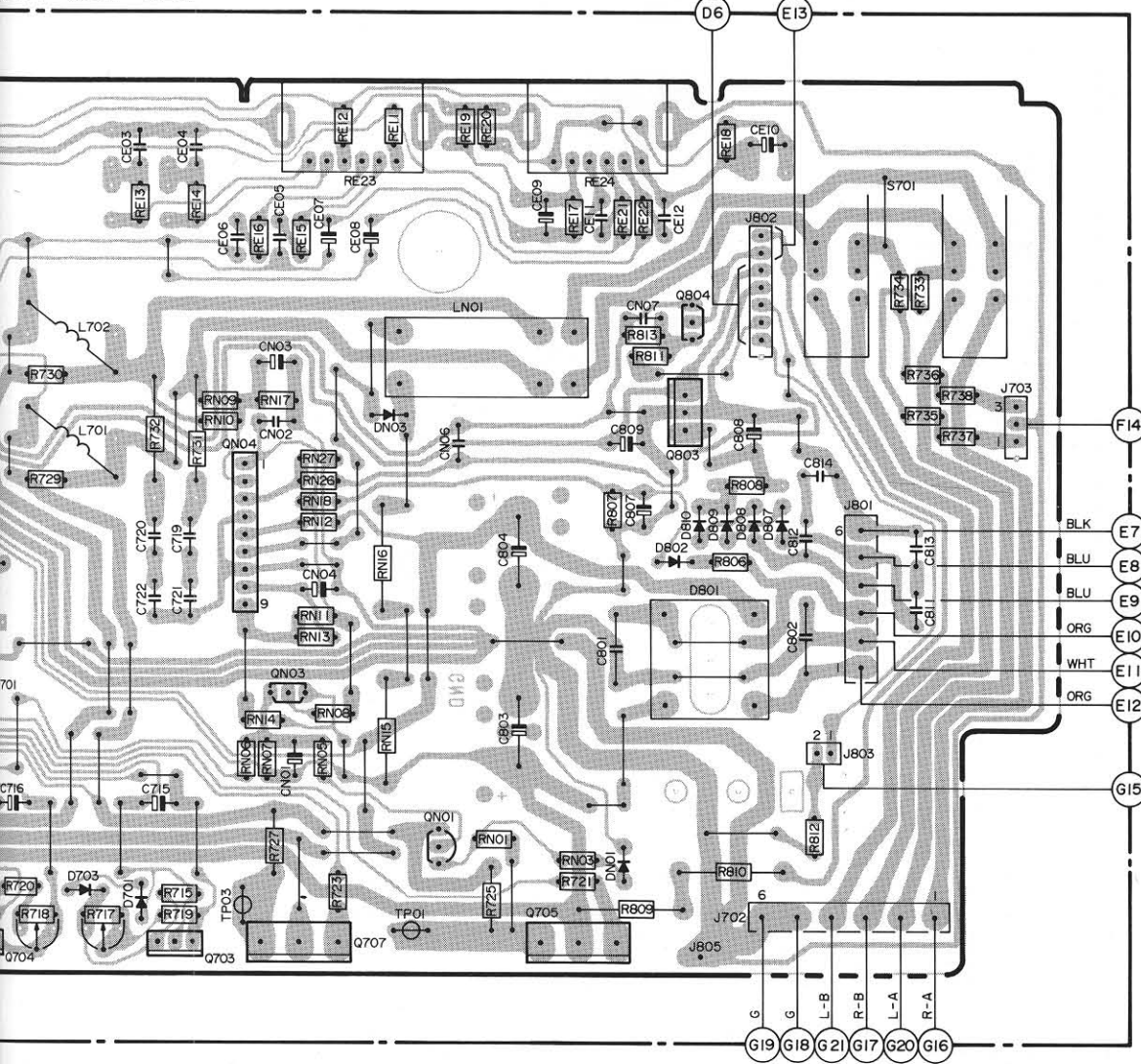
COMPONENT SIDE VIEW



WIRING DIAGRAM

R730 R729	RE13	RE14	RE16	RE15	RE12	RE23	RE11	RE19	RE20	RE17	RE24	RE21	RE22	RE18	R733~R736	R				
R732 R731 RN09~RN18 RN27 RN26																				
R715~R720	RN05~RN08 R727 R723							RN01 R725			RN03 R721	R809	R810	R812	C					
711	CE03	CE04	CE05~CE08				CE09	CE11	CN07	CE12	CE10									
716	C719~C722		C715	CN03	CN02	CN01	CN04	CN06	C804	C803	C801	C809	C807	C808	C812	C802	C814	C813	C811	Q
701	Q704	Q703		QNO4	QNO3	Q707		QNO1	Q705		Q803				Q804					
D703		D701	DN03					DN01		D802	D810	D801	D809	D808	D807	D				
L702		L701	LN01												S701	L-S				

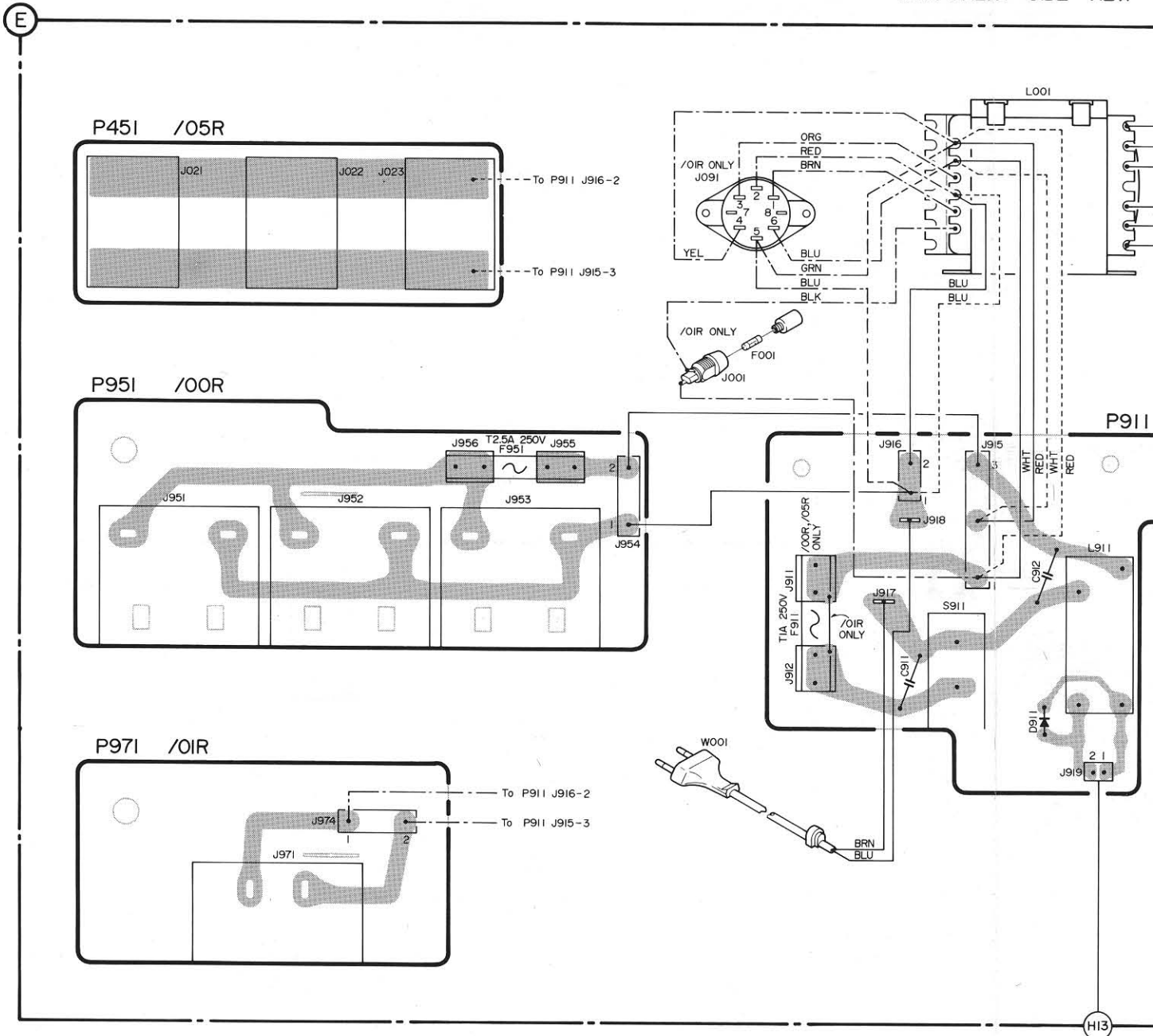
FRONT SIDE VIEW



WIRING DIAGRAM

R									C911	C912
C										D911
D										
F-L-S-W	F951	W001	F001	F911		S911		L001	L911	

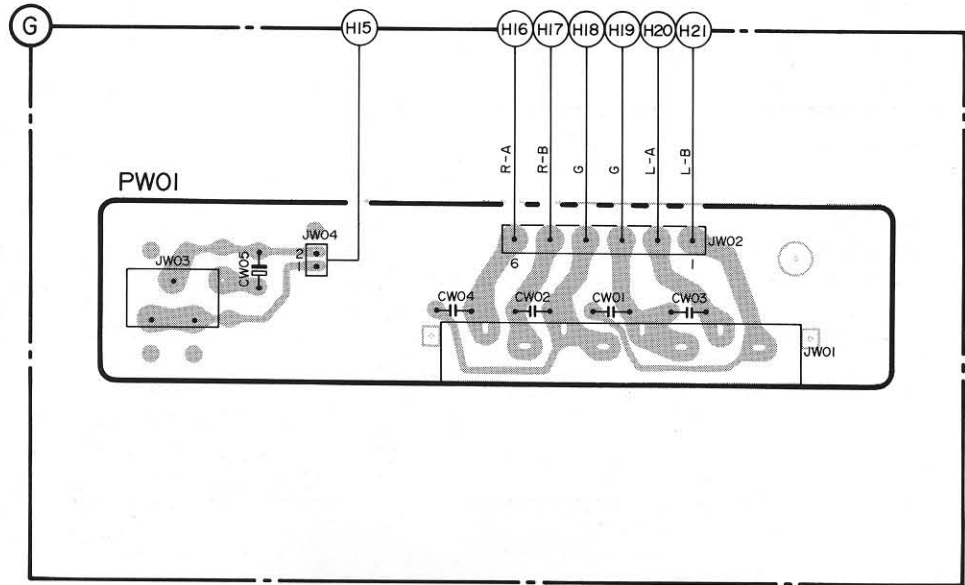
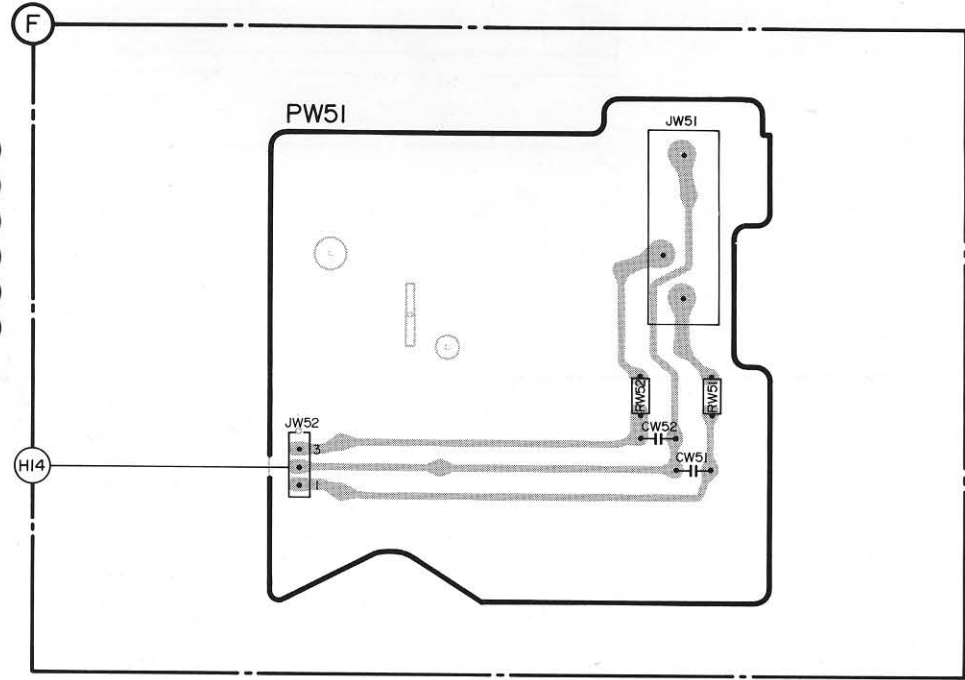
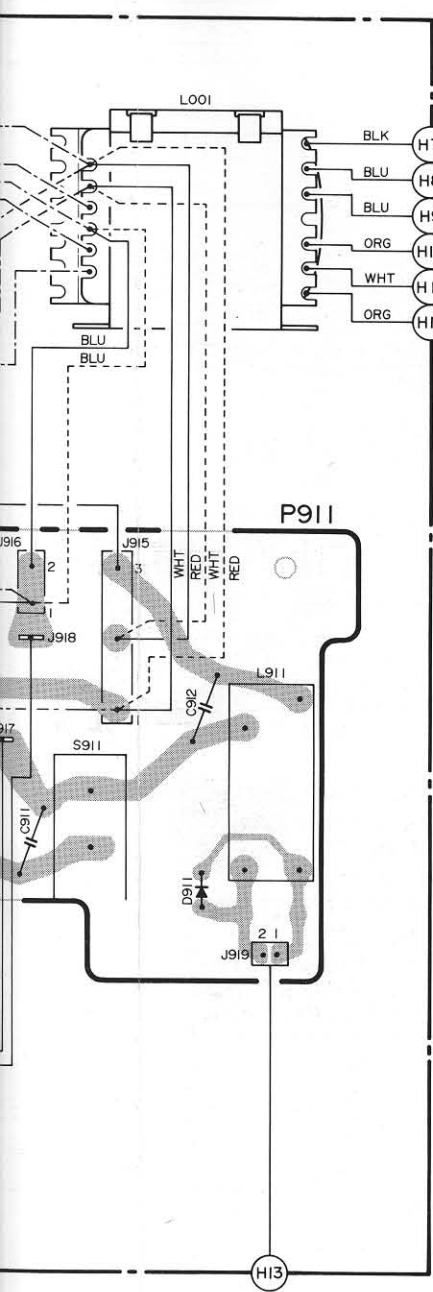
COMPONENT SIDE VIEW



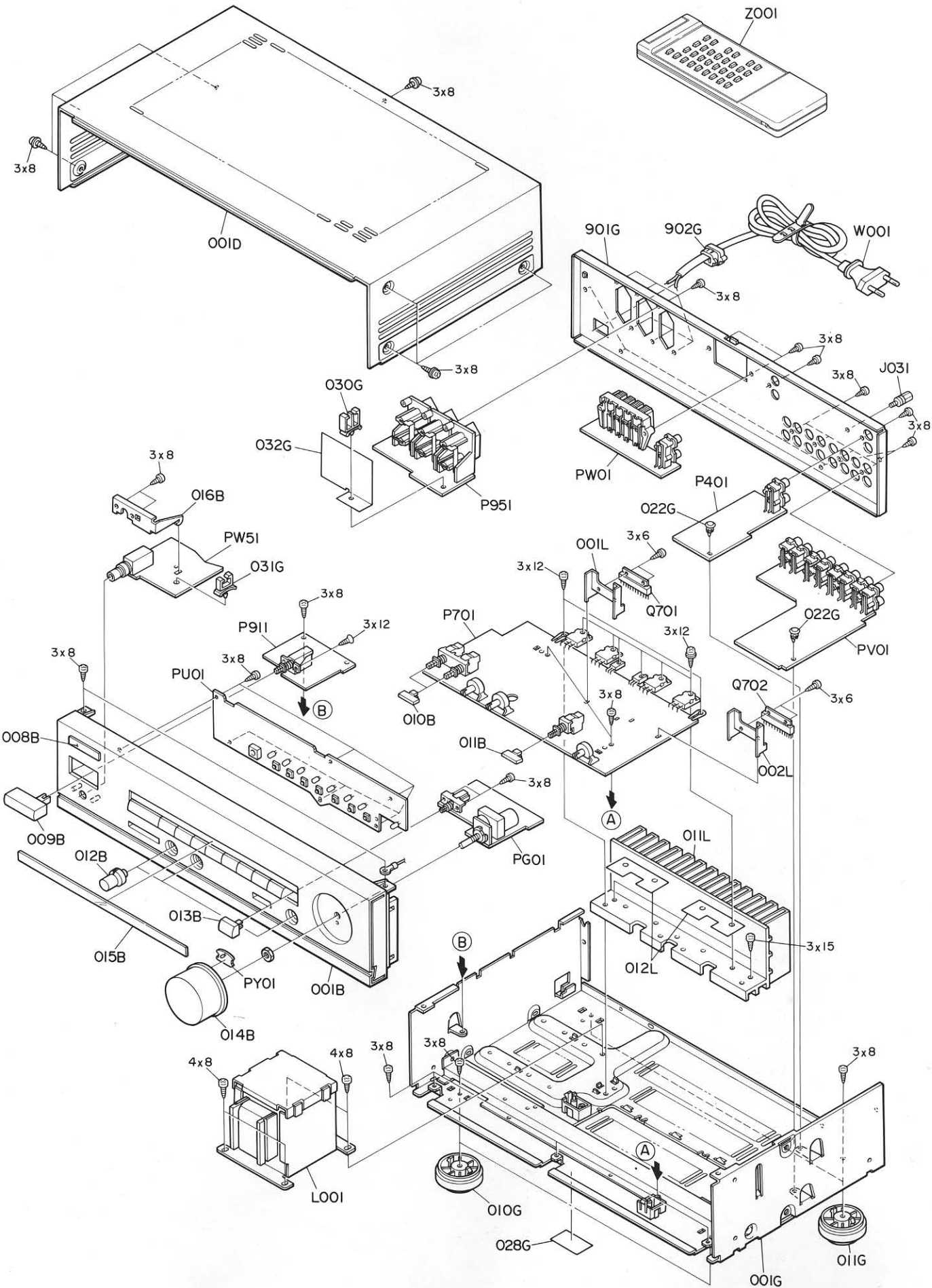
WIRING DIAGRAM

C911	C912	CW05	CW04	CW02	CW01	RW52	RW51	R
S911	L001	L911				CW52	CW03	CW51
								C
								D
								F-L-S-W

COMPONENT SIDE VIEW

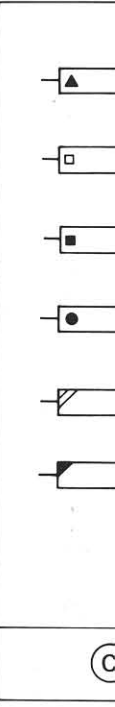


EXPLODED VIEW

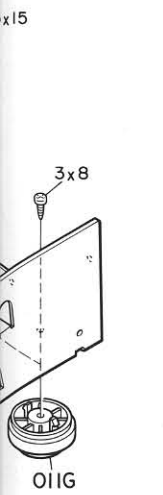
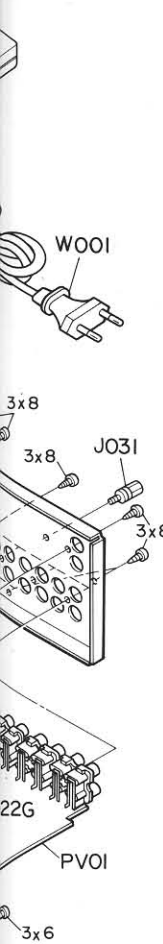


- 001B
- 008B
- 009B
- 010B
- 011B
- 012B
- 013B
- 014B
- 015B
- 010G
- 011G
- 902G

- 012L
- 001T
- Z001
- F001
- J001
- J021
- J022
- J023
- J031
- J091



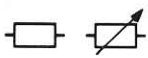

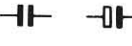




001B	4822 426 51411	Front panel assembly
008B	4822 454 40107	Budge, PHILIPS
009B	4822 410 60143	Button, power
010B	4822 410 60144	Button, speaker
011B	4822 410 60144	Button, souce direct
012B	4822 413 41577	Knob, tone/balance
013B	4822 410 60145	Knob, loudness
014B	4822 413 41522	Knob, volume
015B	4822 459 80691	Escutcheon, function
010G	4822 462 41384	Foot, front
011G	4822 462 41385	Foot, rear
902G	4822 532 60948	Bushing, AC cord (/00R/ 01R)
012L	4822 466 92856	Bushing, AC cord (/05R)
001T	4822 736 20619	Sheet, transistor
Z001	4822 218 10344	User manual
F001	4822 218 10344	Remote control, RC660
J001	4822 256 30233	Fuse A 250V (/01R)
J021		Jack, fuse holder (/05R)
J022		Jack, AC outlet (/05R)
J023		Jack, AC outlet (/05R)
J031	4822 290 40297	Jack, AC outlet (/05R)
J091	4822 272 10227	Terminal, GND
		Voltage selector (/01R)



	Carbon film 0.125 W or 0.2 W	70°C	5%		Ceramic plate Tuning ≤ 120 pF NP.0 2% Others -20/+80%	*a = 2.5 V b = 3.15 V or 4 V c = 6.3 V d = 10 V e = 16 V f = 25 V g = 40 V h = 63 V j = 100 V l = 125 V m = 150 V n = 160 V q = 200 V r = 250 V s = 300 V t = 350 V u = 400 V v = 500 V w = 630 V x = 1000 V A = 1.6 V B = 6 V C = 12 V D = 15 V E = 20 V F = 35 V G = 50 V H = 75 V I = 80 V
	Carbon film 0.25 W or 0.33 W	70°C	5%		Polyester flat foil 10%	
	Metal film 0.25 W or 0.33 W	70°C	5%		Metalized polyester flat film 10%	
	Carbon film 0.5 W	70°C	5%		Polyester flat foil small size (Mylar) 10%	
	Carbon film 0.67 W	70°C	5%		Polysterene film/foil 1%	
	Carbon film 1 W or 1.15 W	70°C	5%		Tubular ceramic	
	Chip component				Miniature single	
					Subminiature tantalum ± 20%	

ELECTRICAL PARTS LIST

					
QN01	4822 130 43233	2SC2240 (GR, BL)	LN01	4822 280 70354	Relay
QN02	4822 130 43233	2SC2240 (GR, BL)	L001	4822 146 21526	Mains transformer (/00R/05R)
QN03	4822 130 61665	2SA1310 (R, S)			Mains transformer (/01R)
QN05	4822 130 43819	2SC2878 (A)	L701	4822 157 51379	Choke coil speaker
QN06	4822 130 43819	2SC2878 (A)	L702	4822 157 51379	Choke coil speaker
QU02	4822 130 43313	2SC3312 (2SC1740SLN)	L911	4822 280 20222	Relay
QU03	4822 130 43313	2SC3312 (2SC1740SLN)			
QU04	4822 130 62293	2SA1310 (2SA933SLN)	RE23	4822 101 30628	Potm. 50k(C) x 2
QU05	4822 130 43313	2SC3312 (2SC1740SLN)	RE24	4822 101 30628	Potm. 50k(C) x 2
Q703	4822 130 61666	2SC3419 (O, Y)	RE25	4822 101 30627	Potm. 100k(MN) x 2
Q704	4822 130 61666	2SC3419 (O, Y)	RG05	4822 100 30105	Potm. 50k x 2 with motor
Q705	4822 130 61319	2SC3181 (R, O)	RN15	4822 116 60267	Res. met. oxide 470E 1W
Q706	4822 130 61319	2SC3181 (R, O)	RN16	4822 116 60267	Res. met. oxide 470E 1W
Q707	4822 130 43018	2SA1264 (R, O)	R709÷R712	4822 113 90119	Res. Fuse 22E 1/4W
Q708	4822 130 43018	2SA1264 (R, O)	R717	4822 100 11351	Potm. trimmer 10k
Q801	4822 130 43197	2SC1815 (O, Y)	R718	4822 100 11351	Potm. trimmer 10k
Q802	4822 130 42961	2SA1015 (O, Y)	R725÷R728	4822 116 80171	Res. metal film 0.18E 3W
Q804	4822 130 43312	2SC3312 (R, S)	R731	4822 115 90174	Res. safety 10E 1W
			R732	4822 115 90174	Res. safety 10E 1W
DG01	4822 130 80839	S5688G	R801	4822 116 81748	Res. fuse 330E 1/4W
DG02	4822 130 80839	S5688G	R802	4822 116 81748	Res. fuse 330E 1/4W
DN01	4822 130 80837	HSS81RX	R808	4822 116 60307	Res. met. oxide 1E 1/4W
DN02	4822 130 80837	HSS81RX	R809	4822 116 60267	Res. met. oxide 470E 1W
DN03	4822 130 33305	1SS176 (MA165, 1SS254)	R810	4822 116 60209	Res. safety 560E 1W
DN04	4822 130 80316	MTZJ3.6A	TP01÷TP04	4822 116 60318	Res. met. oxide 22E 1/4W
DU01÷DU09	4822 130 80326	LT3D8B RED			
DU10	4822 130 33305	1SS176 (MA165, 1SS254)	CU07	4822 124 23128	Cap. elect. 0.047μF 5.5V
DU11	4822 130 80316	MTZJ3.6A	C705	4822 124 22271	Cap. elect. 100μF 35V
DU12÷DU18	4822 130 33305	1SS176 (MA165, 1SS254)	C706	4822 124 22271	Cap. elect. 100μF 35V
DY01	4822 130 80326	LT3D8B RED	C713	4822 126 10797	Cap. ceramic 10pF 100V
D701÷D704	4822 130 33305	1SS176 (MA165, 1SS254) (/00R/05R)	C714	4822 126 10797	Cap. ceramic 10pF 100V
D801	4822 130 81093	BR83	C803	4822 124 41603	Cap. elect. 4700μF 50V
D802	4822 130 80837	HSS81RX	C804	4822 124 41603	Cap. elect. 4700μF 50V
D803	4822 130 33305	1SS176 (MA165, 1SS254) (/00R/05R)	C911	4822 122 33276	Cap. ceramic 0.01μF 400V
D804	4822 130 33305	1SS176 (MA165, 1SS254) (/00R/05R)	C912	4822 122 33276	Cap. ceramic 0.01μF 400V
D805	4822 130 80498	RD15JB3 (MTZJ15A) (/00R/05R)			
D806	4822 130 80498	RD16JB2 (MTZJ16C) (/01R)	SE01	4822 276 12595	Source direct
		RD15JB3 (MTZJ15A) (/00R/05R)	SG01	4822 276 12618	Loudness
		RD16JB2 (MTZJ16C) (/01R)	SU01÷SU07	4822 276 12455	Function
D807	4822 130 80839	S5688G	S701	4822 276 20477	Speaker A-B
D808	4822 130 80839	S5688G	S911	4822 276 11898	Power
D809	4822 130 80839	S5688G (/00R/05R)	MISCELLANEOUS		
D810	4822 130 80839	S5688G (/00R/05R)	F911	4822 253 30021	Fuse 1A 250V (/00R/05R)
D911	4822 130 33305	1SS176 (MA165, 1SS254)	F951	4822 253 40166	Fuse T2.5A 250V (/00R)
			JV01÷JV04	4822 265 30397	Jack 4P RCA pin
QG01	4822 209 73287	LB1630	JW01	4822 267 50922	Terminal 8P speaker
QN04	4822 209 83312	TA7317P	JW03	4822 266 30274	Socket 2P RCA pin
QU01	4822 209 62424	LC6554H-4342	JW51	4822 267 31017	Jack phone
QV01	4822 209 72748	LC7821	J401	4822 267 30471	Socket 2P RCA pin
QV02	4822 209 73275	TC9214P	J911	4822 256 30329	Fuse clip (/00R/05R)
Q401	4822 209 83631	MJM4558DD	J912	4822 267 30978	Fuse clip (/00R/05R)
Q701	4822 209 83779	MPC1270H	J951÷J953	4822 267 31194	Jack AC outlet (/00R)
Q702	4822 209 83779	MPC1270H	J955	4822 267 30978	Fuse clip (/00R)
Q803	4822 209 62423	NJM78M06FA	J956	4822 256 30329	Fuse clip (/00R)
			XU01	4822 242 72223	Resomator CST4.00MGW
			ZU01	4822 218 10343	IR sensor