Cassette deck 70FC773/00R/05R

Service
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Voor reparatieaanwijzingen van het cassettemechanisme zie Service Manual: "Recorders tape deck CMAB2Z023A, CMAB2Z024A".

Service Manual

Inhoudsopgave	Pagina

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

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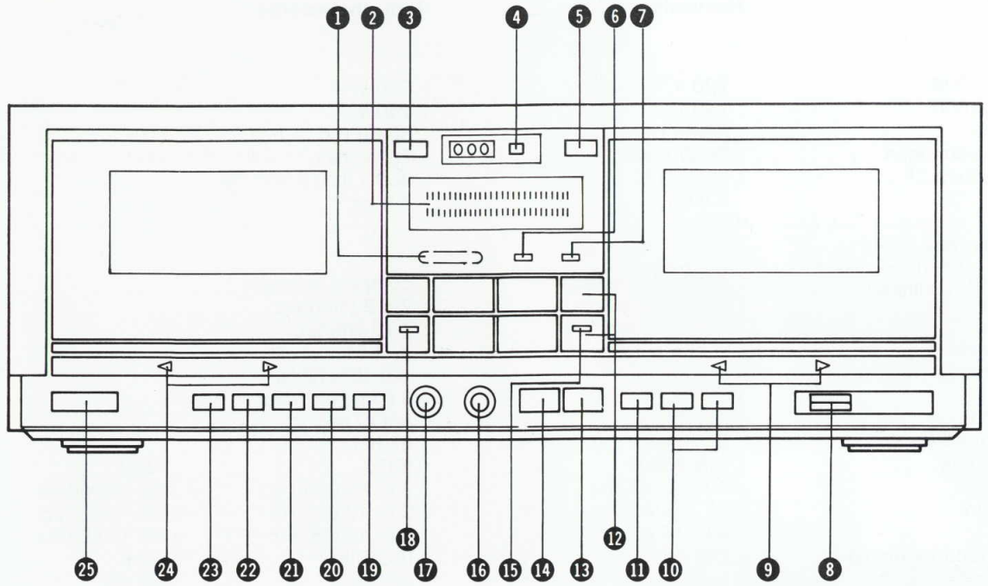
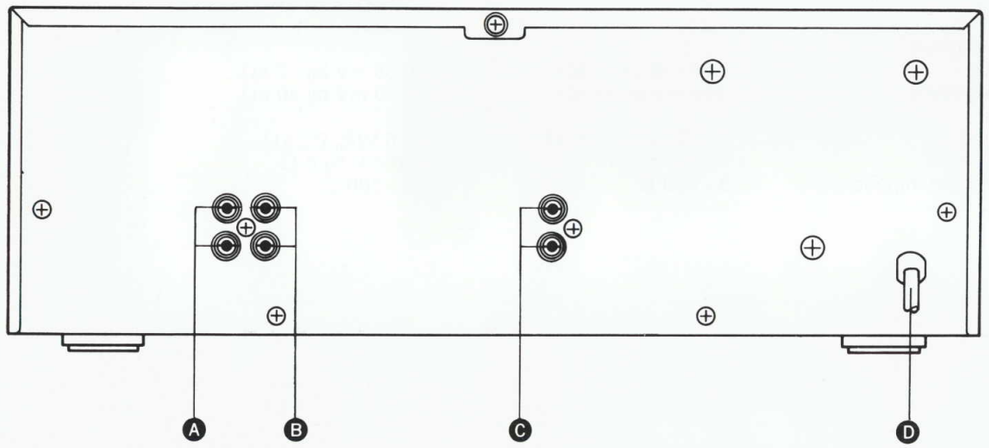
SPECIFIKATIE	Nominale waarde	Typische waarde	
Algemeen			
Netspanning /00R	: 220 V~	: 220 V~	
/05R	: 240 V~	: 240 V~	
Netfrekwentie	: 50-60 Hz	: 50-60 Hz	
Opgenomen vermogen	: 20 W max.	: 20 W max.	
Afmetingen (BxHxD)	: 360 x 120 x 300 mm	: 360 x 120 x 300 mm	
Gewicht	: 4.8 kg	: 4.8 kg	
Cassette recorder			
Tape systeem	: compact cassette	: compact cassette	
Aantal sporen	: 2 x 2 (stereo)	: 2 x 2 (stereo)	
Bandsnelheid	: 4.76 cm/sec.	: 4.76 cm/sec.	
Snelheidsafwijking	: ± 3% (DIN)	: ± 1.5%	
Wow en flutter (gewogen)	: ⩽0.28% (DIN)	: ⩽0.15% (DIN), 0.05% (WRMS)	
Spoeltijd (C60)	: ⩽110 sec.	: ⩽110 sec.	
Bias- en wisfrekwentie	: 87 KHz ± 5%	: 87 KHz ± 5%	
Frekwentiebereik	: DIN 45500:	: IEC:	: NAB:
Metal	: 40 - 15.000 Hz	: 30 - 17.000 Hz	: 30-18.000 Hz
Chromium	: 40 - 15.000 Hz	: 30 - 17.000 Hz	: 30-18.000 Hz
Normal	: 40 - 14.000 Hz	: 30 - 16.000 Hz	: 30-17.000 Hz
Signaal/ruis (zonder dolby)	: DIN 45500:	: IEC/DIN	: NAB
Metal	: ⩾48 dB	: 58 dB	: 60 dB
Chromium	: ⩾48 dB	: 58 dB	: 60 dB
Normal	: ⩾47 dB	: 57 dB	: 59 dB
Verbetering met dolby B	: ⩾8.5 dB (CCIR)	: 10 dB (bij 5 kHz)	
Vervorming (K3)	: ⩽3%	: ⩽2%	
Ingangsgevoeligheid			
Microfoon	: 0.85 mV bij 2 kΩ	: 0.56 mV bij 2 kΩ	
Lijningang cinch	: 100 mV bij 40 kΩ	: 70 mV bij 40 kΩ	
Uitgangen			
Lijnuitgang	: ⩾0.35 V/Z_0 <3 kΩ	: 0.5 V/Z_0 2.2 kΩ	
Hoofdtelefoon	: 50 mV bij 8 Ω	: 50 mV bij 8 Ω	
Hoofdtelefoon impedantie	: 8 - 600 Ω	: 8 - 600 Ω	





Aansluitingen en instelorganen

1	Reverse mode indicator	DY45~DY47	13	Stille opname toets	SS24
2	Niveau-indicatoren	VX01	14	Opneemtoets "REC".	SS21
3	Eject toets (Deck B)		15	Deck A indicator.	DY55
4	Nulsteltoets		16	Aansluitbus "PHONES"	JG01
5	Eject toets (Deck A)		17	Aansluitbus "MIC".	JE01
6	Continu weergave indicator	DY53	18	Deck B indicator	DY56
7	QMS indicator	DY38	19	Dolby NR. toets	SS04
8	Opneemsterkte regelaars	RV01	20	Continu weergave toets.	SS53
9	Bandlooprichting indicator	DY43, DY44	21	Reverse mode toets.	SS45
10	Dubbing snelheidstoets	SS51, SS52	22	"Index scan " toets.	SS32
11	Rec. cancel toets	SS61	23	QMS-toets	SS38
12	Funktieschakelaars	SS23, SS25~SS27 SS41, SS42, SS55, SS56	24	Bandlooprichting indicator	DY49, DY50
			25	Netschakelaar	S851
			A	Lijnuitgang	JW01
			B	Lijningang	JW01
			C	In- en uitgang voor afstandsbediening	JR01
			D	Netsnoer	WO 01

ELEKTRISCHE METINGEN EN INSTELLINGEN

Algemene voorwaarden

Voor de elektrische metingen en instellingen gelden de volgende algemene voorwaarden, tenzij anders is aangegeven:

- Netspanning 220 V ± 5%, 50 Hz.
- Omgevingstemperatuur 20 tot 25°C.
- Dolby schakelaar SS04 uit.
- Opneemsterkteregelaar "rec level" RV01 op maximum.
- Bij de metingen en instellingen is uitgegaan van metingen aan het linkerkanaal. De aansluitpunten en afregelorganen voor het rechterkanaal zijn tussen haakjes vermeld.
- De spanningen zijn t.o.v. massa gemeten.
- De instellingen en metingen moeten zowel voor tape deck A als voor tape deck B uitgevoerd worden.

Benodigde meetinstrumenten en testcassettes:

- LF generator.
- AC millivoltmeter.
- Multimeter.
- Frekwentieteller.
- Universal testcassette SBC 419 - 4822 397 30069.
- Universal testcassette SBC 420 - 4822 397 30071.

Adjustment	Cassette	Recorder in position	Apply signal to	Measure on	Read on	Adjust with	Value
Tape speed Normal speed *b	SBC419 3150 Hz	Play (deck A or B)	–	JW01 (line out)	Freq. counter	Motor PCB VR1 (deck A) VR1 (deck B) *fig. 3	3150 Hz ± 10 Hz
High speed *b	SBC419 3150 Hz	Interconnect JM01 (deck A) JM11 (deck B) PCB PU03 under the playing mode.					
		Play (deck A or B)	–	PCB PJ03 JW01 (line out)	Freq. counter	Motor PCB VR2 (deck A) VR2 (deck B) *fig. 3	6310 Hz ± 10 Hz
		Remove the interconnections					
Head azimuth	SBC419 10 kHz	Play (deck A or B)	–	JW01 (line out)	mV-meter	Head azimuth adjust screw *C	Max. output
Playback sensitivity + indicators	SBC419 315 Hz-0 dB	Play (deck A or B)	–	PCB P603 TP1 (TP2) TP3 (GND)	mV-meter	PCB PU03 deck A RJ47 (RJ48) deck A PCB P603 deck B RJ09 (RJ10) deck B	270 mV
				–	VX 01	PCB PU03 RX 13 (RX 14)	+1 dB
Playback frequency response	SBC419 40 Hz; 250 Hz; 6.3 kHz; 12.5 kHz	Play (deck A or B)	–	JW01 (line out)	mV-meter	–	See graph. Fig. 1 frequency response
Target value bias	SBC420 side 2 *e SBC419 side 2 *f Metal cassette	Rec + Play (via pause) (deck B)	–	PCB P603 deck B JJ01 point 2 (4) TP3 (GND)	mV-meter	RL01 (RL02) deck B	13V (AC) *d
						RL05 deck B	24V (AC)
						RL06 deck B	30V (AC)
Recording sensitivity	SBC419 side 2 *f	Rec + Play (via pause) (deck B)	315 Hz to JW01 (line in)	TP1 (TP2) TP3 (GND)	mV-meter	LF-generator	170 mV
				Disable the bias by interconnecting pin 18, 19 and 20 of PCB P603 QL01 deck B			
				JJ01 point 2 (4) deck B TP3 (GND)	mV-meter	RK01 (RK02) deck B	30 mV = target value
				Remove the interconnection. Make a recording and play it back.			
		Play (deck B)	–	TP1 (TP2) TP3 (GND)	mV-meter	–	170 mV *g

Adjustment	Cassette	Recorder in position	Apply signal to	Measure on	Read on	Adjust with	Value
BIAS ferro	SBC420 side 2 *e	Rec + Play (via pause) (deck B)	–	PCB PJ03 (deck B) JJ01 point 2 (4) TP3 (GND)	mV-meter	RL01 (RL02) (deck B)	13V = target value
			315 Hz to JW01 (line in)	TP1 (TP2) TP3 (GND)	mV-meter	LF-generator	13.5 mV
			6.3 kHz–10 kHz 12 kHz–14 kHz 15 kHz–16 kHz to JW01 (line in)	Record a number of frequencies with the same input voltage and play them back			
		Play (deck B)	–	TP1 (TP2) TP3 (GND)	mV-meter	–	See graph. Fig. 2 if necessary repeat *d BIAS adjustment *h
BIAS chromium	SBC419 side 2 *f	Adjustment is identical to BIAS ferro, but the target value is 24V; adjust with; RL05 (deck B)					
BIAS metal	Metal cassette	Adjustment is identical to BIAS ferro, but the target value is 30V; adjust with; RL06 (deck B)					
f-osc.	Arbitrary cassette	Rec (deck B)	–	PCB P603 deck B JJ01 point 2 TP3 (GND)	Freq. counter	LL01 (deck B)	87 kHz

Opmerkingen:

*a. Voor alle metingen en instellingen met lopende band dienen de koppen en bandgeleiders gedemagnetiseerd en gereinigd te worden.

*b. Het is belangrijk dat eerst de hoge snelheid wordt ingesteld en daarna de normale snelheid. Het verschil in snelheid tussen deck A en B mag zowel voor de normale snelheid als voor de hoge snelheid ten hoogste 1% zijn.

*c. – Verwijder de sierklep en sierstrip (zie fig. 5) en stel als volgt de kopazimuth in:
– Bandlooprichting naar rechts (FWD-play) linkerschroef.
Bandlooprichting naar links (REV-play) rechterschroef.
– Wanneer het uitgangsniveau tussen het rechter- en linkerkanaal verschilt, dan moet men het kanaal met de laagste waarde op maximum instellen.
– Voor A-deck en B-deck dezelfde band en bandgedeelte gebruiken.
– Na het instellen de azimuth instelschroeven van een borglak voorzien.

*d. – **Ferro-cassette:**
Plaats trimpotentiometers RL05 en RL06 (B-deck) in de middenstand.
Regel met de trimpotentiometers RL01 (RL02) B-deck de BIAS optimaal af.
Waarden links en rechts noteren.
– **Chromium-cassette:**
Regel met trimpotentiometers RL05 (B-deck) de BIAS optimaal af.
Waarde links noteren.
– **Metal-cassette:**
Regel met trimpotentiometers RL06 (B-deck) de BIAS optimaal af.
Waarde links noteren.
Regel met de trimpotentiometers de genoteerde BIAS-waarden voor de bandsoorten opnieuw af en herhaal dit totdat de juiste waarden gevonden zijn.

*e. Bij minder hoge nauwkeurigheid kan ook een ferro-cassette van goede kwaliteit gebruikt worden.

*f. Bij minder hoge nauwkeurigheid kan ook een chromium-cassette van goede kwaliteit gebruikt worden.

*g. Indien de uitgangsspanning op TP1 (TP2) geen 170 mV ± 0.25 dB is, regel dan met RK01 (RK02) B-deck het LF-signaal (voormagnetisatie uitgeschakeld) zoveel dB lager of hoger als de meteruitslag te hoog of te laag is.

*h. Bij het instellen van het ene kanaal kan het andere iets worden beïnvloed.
Bij een goede instelling zal de frekwentiekarakteristiek als in fig. 4 curve b verlopen, vervorming ≤3%.

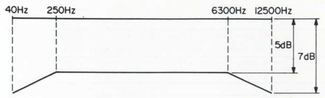


Fig. 1

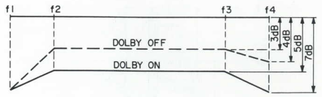


Fig. 2

	f1	f2	f3	f4
Metal	40 Hz	125 Hz	8 kHz	16 kHz
Cr	40 Hz	125 Hz	8 kHz	16 kHz
Normal	40 Hz	125 Hz	8 kHz	14 kHz

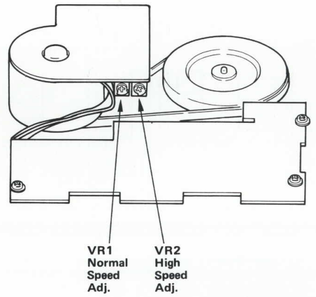


Fig. 3

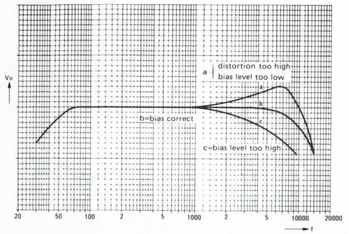


Fig. 4

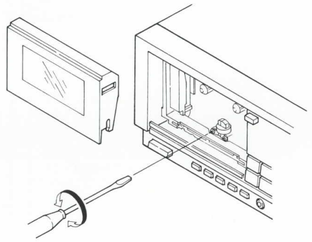
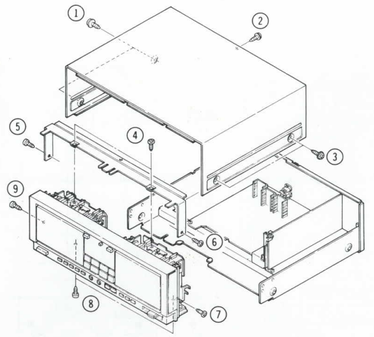


Fig. 5

UITKASTVOORSCHRIFT

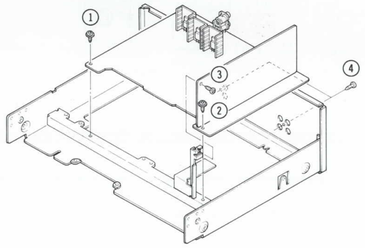
1. Het verwijderen van de bovenkap en het frontpaneel.

Verwijder 5 schroeven ① – ③ en 8 schroeven ④ – ⑨ .



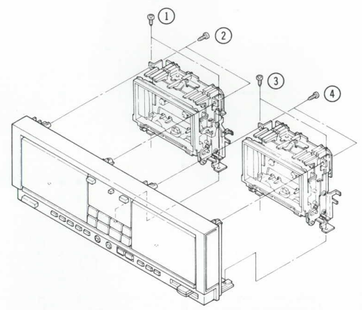
2. Het verwijderen van de hoofdprint.

Verwijder 2 schroeven ① – ② en 3 schroeven ③ – ④.



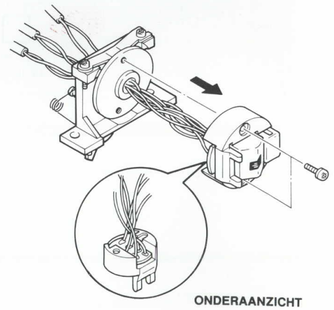
3. Het uitkasten van de loopwerken.

Verwijder 8 schroeven ① – ④ .



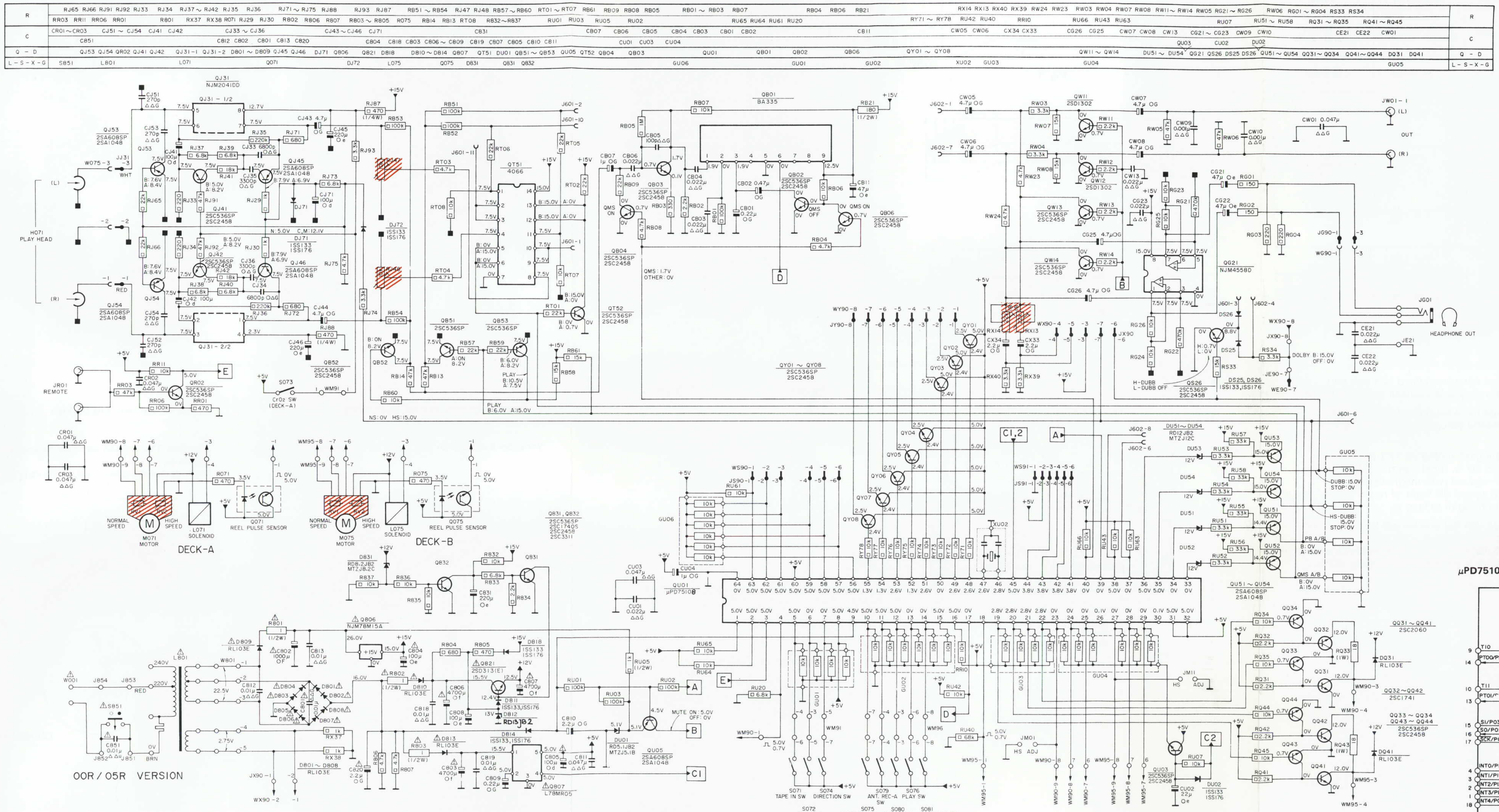
4. Het vervangen van de kop.

Verwijder 2 schroeven en neem de kop weg in de richting van de pijl.
Maak de aansluitdraden los en vervang de kop.



ONDERAANZICHT

SCHEMATIC DIAGRAM



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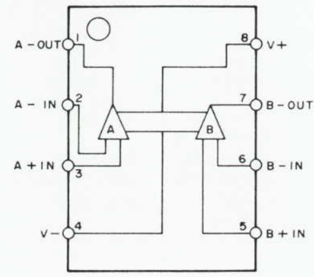

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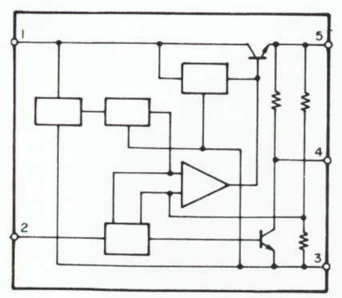

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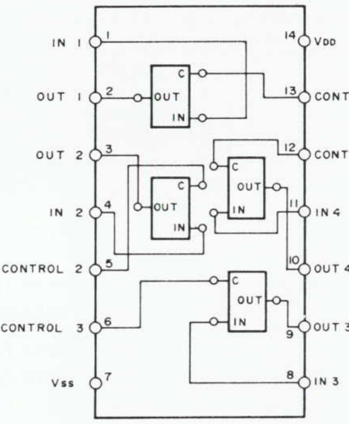

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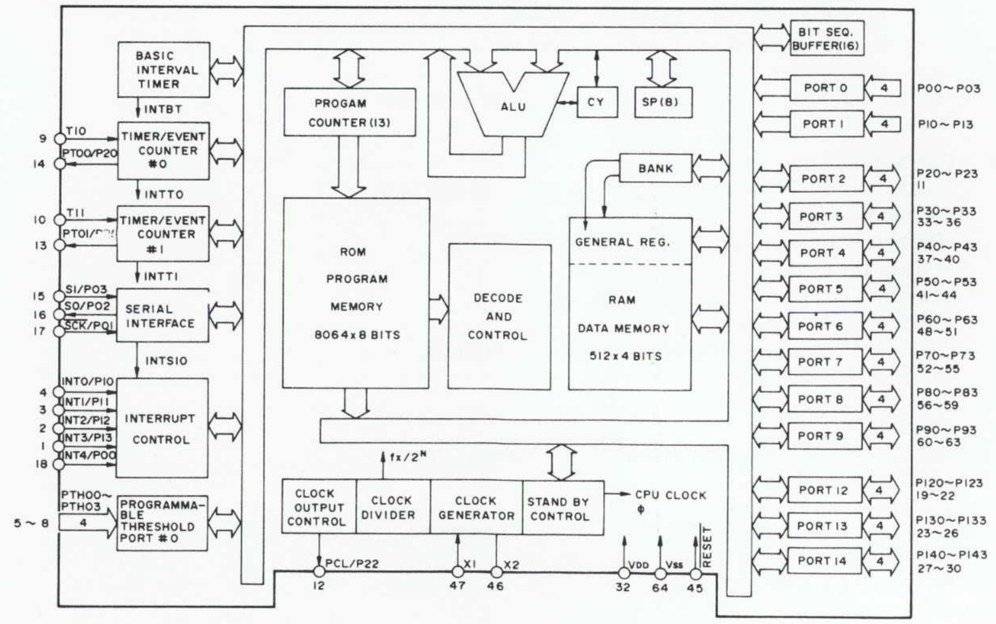


NOTE ON SAFETY:
Symbol ⚠ Fire or electrical shock hazard. Only original parts should be used to replace any part marked with symbol ⚠. Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

Note 1. Unless otherwise specified, the voltages are measured with reference to the chassis, with a normal tape inserted, in the stop mode.
MODE: Cassette Select/B, FWD, ⇌, Dolby NR/OFF

2. A : DECK A, B : DECK B, HS: HIGH SPEED, NS: NORMAL SPEED
N: NORMAL TAPE, C: CrO_2 TAPE, M: METAL TAPE

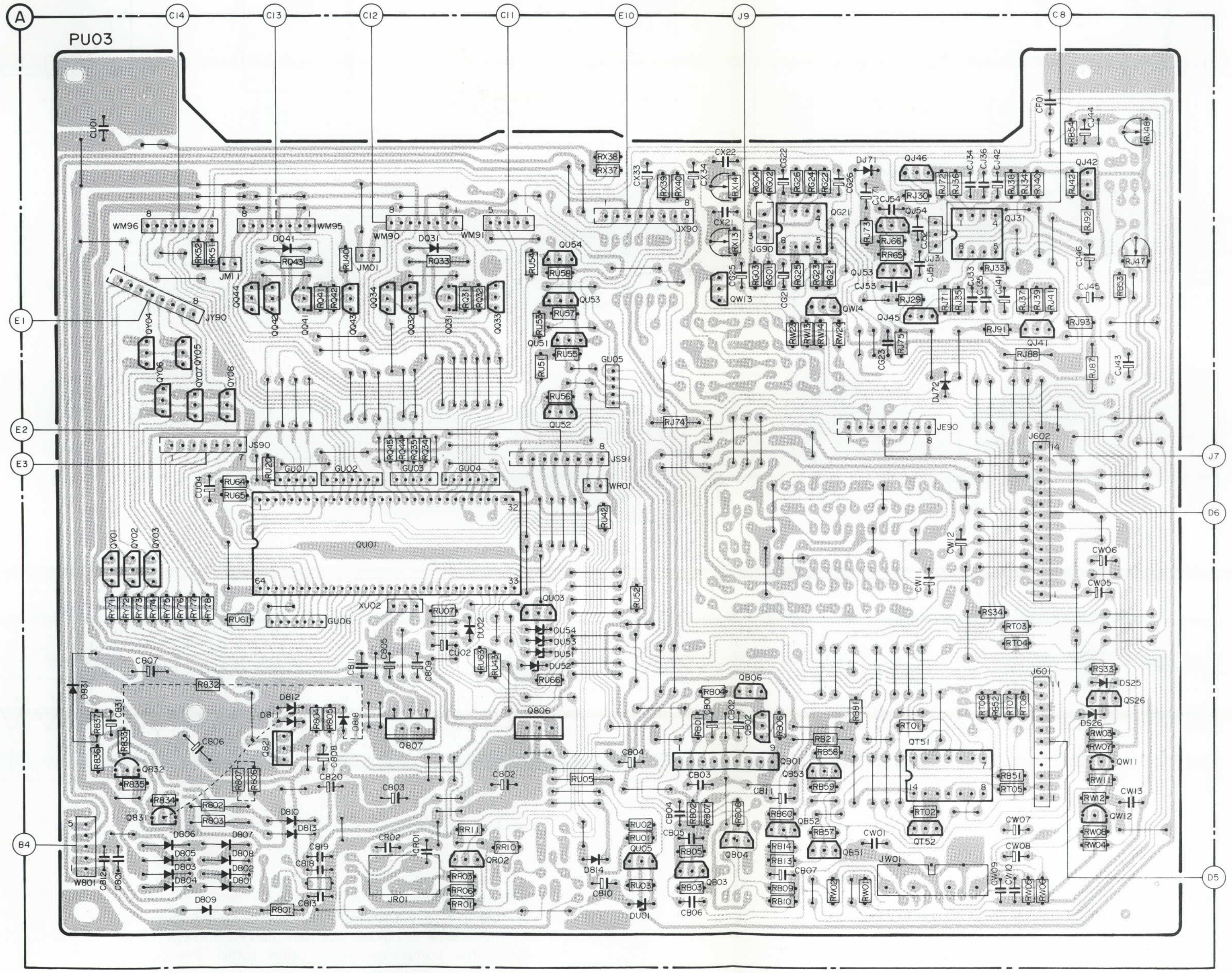
⊥ ;CHASSIS GROUND LINE (0V)
⊥ ; AUDIO GROUND LINE (+7.5V DC)

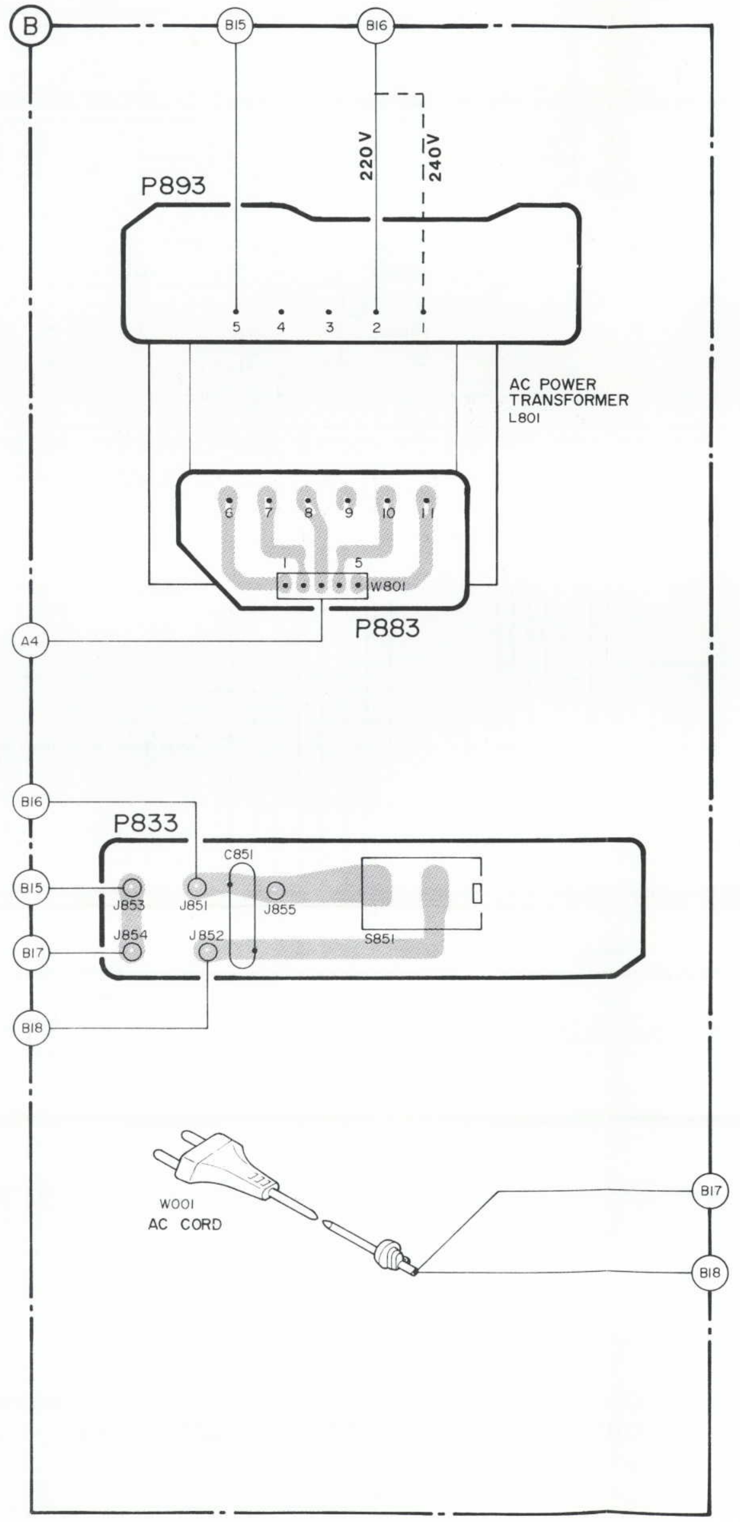
THE DC VOLTAGE OF EACH PORTION IS TO BE MEASURED ON THE BASIS OF THE SHASSIS GROUND.

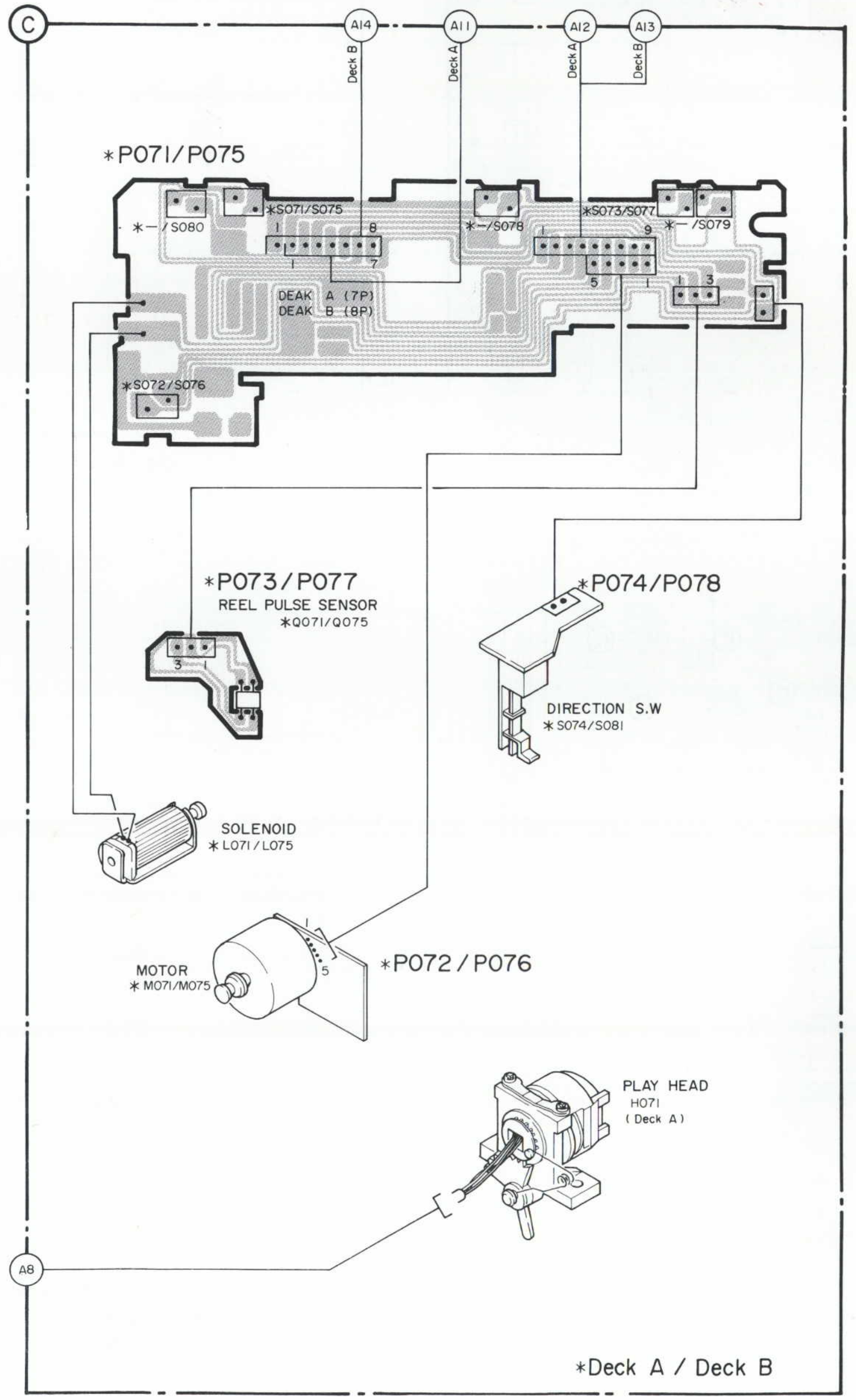
CS 11 739

WIRING DIAGRAM

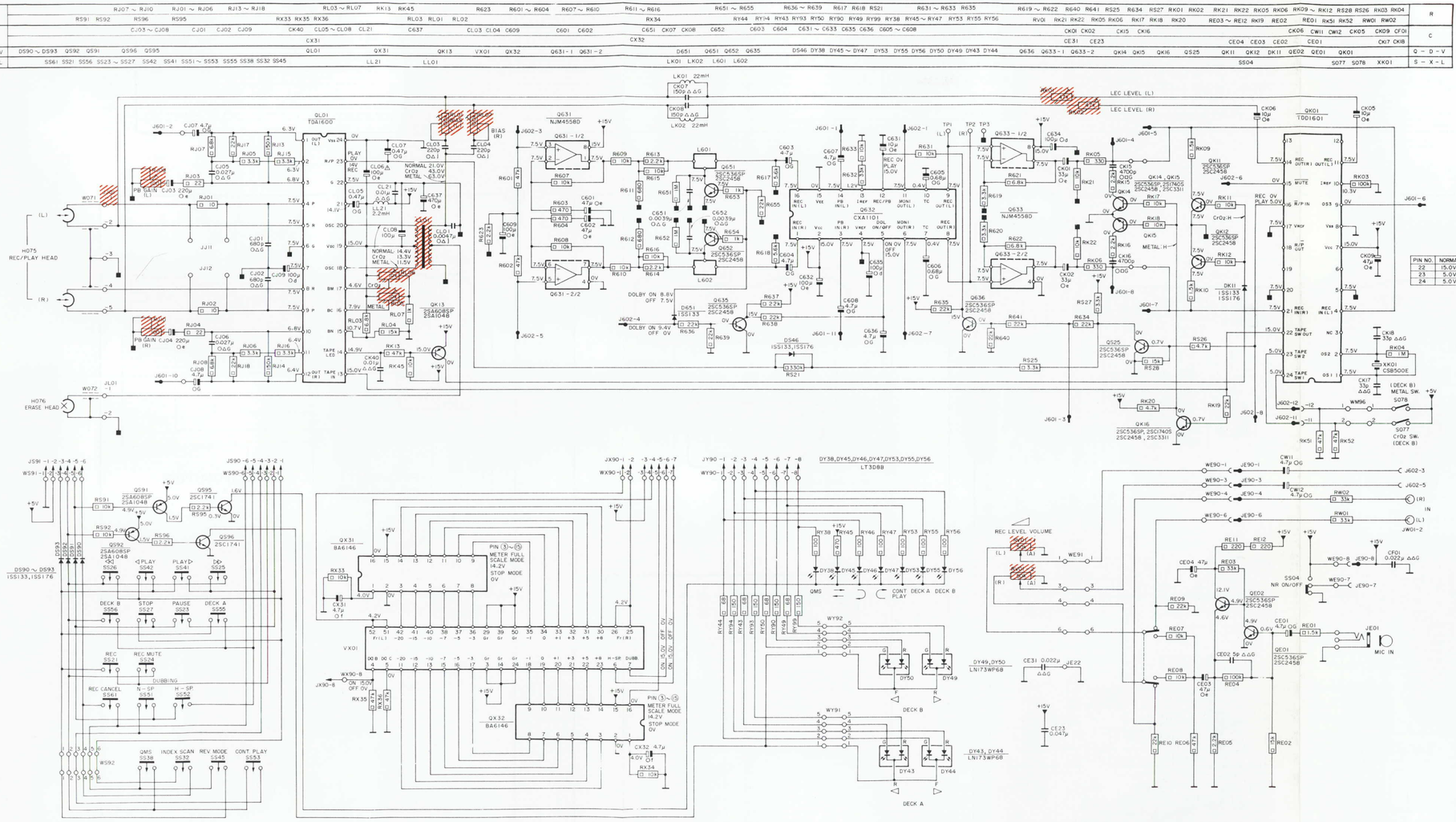
R – G	RY71～RY78 RU64 RU65 GU01～GU06 RU07 RU63 RU43 RU51 RU66 RX37～RX40 RX13 RX14 RG01～RG04 RG21～RG26 RW23 RW13 RW14 RW24 RJ66 RJ65 RJ29 RJ33～RJ42 RJ88 RJ87
	R807 R801～R806 RU61 RU20 RQ41～RQ43 RQ45 RQ44 RQ31～RQ35 RU53～RU58 RU42 RU52 RJ74 RB21 RW02 RB81 RW01 RJ71～RJ73 RJ75 RJ91 RJ93 RB54 RB53 RS33
	R832～R837 RK52 RK51 RR01 RR03 RR06 RR10 RR11 RU51 RU05 RU01～RU03 RB01～RB10 RB13 RB14 RB57 RB60 RJ30 RT01～RT08 RS34 RB52 RB51 RW03～RW08 RW12 RW11 RJ47 RJ48
C	CU01 CU04 C803 CG25 CG23 CJ33～CJ36 CF01 C851
	C831 C807 C806 C813 C818～C820 C805 C809 CU02 C802 C804 CX33 CX34 CG22 CG21 CG26 CJ71 CJ51～CJ54 CJ42 CJ41 CJ43～CJ46
	C812 C801 C808 C811 CR02 CR01 C810 CB01～CB06 CB11 CB07 CW01 CW07～CW12 CW05 CW06 CW13
Q – S	QY01～QY08 Q831 Q832 QQ41～QQ44 Q821 QU01 QQ31～QQ34 Q807 QR02 Q806 QU03 QU51～QU54 QU05 QW13 QB01～QB04 QB06 QG21 QW14 QB51～QB53 QJ53 QJ54 QJ46 QJ45 QT51 QT52 QJ31 QJ41 QJ42 QS26 QW11 QW12 S851 S072 S076 S080 Q071 Q075 S071 S075 S078 S074 S081 S073 S077 S079
D – L – X	D831 D801～D813 DQ41 D818 XU02 DQ31 DU02 DU51～DU54 D814 DU01 DJ71 DJ72 DS26 DS25 L801 L071 L075

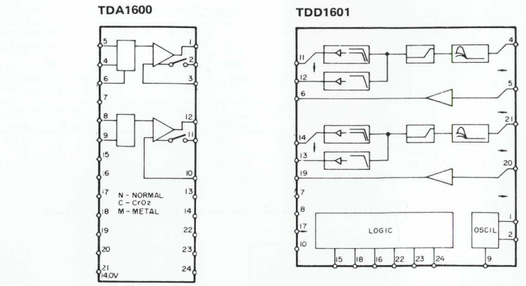




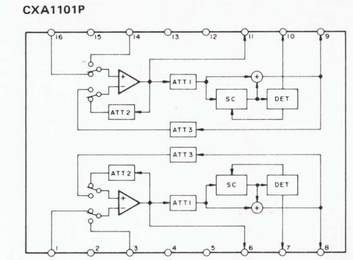


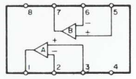
SCHEMATIC DIAGRAM

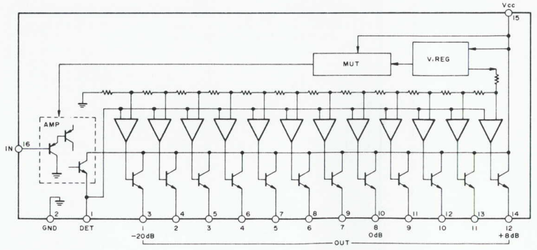




PIN NO.	NORMAL	CrO2	METAL
22	15.0V	7.5V	0V
23	5.0V	0V	0V
24	5.0V	5.0V	0V







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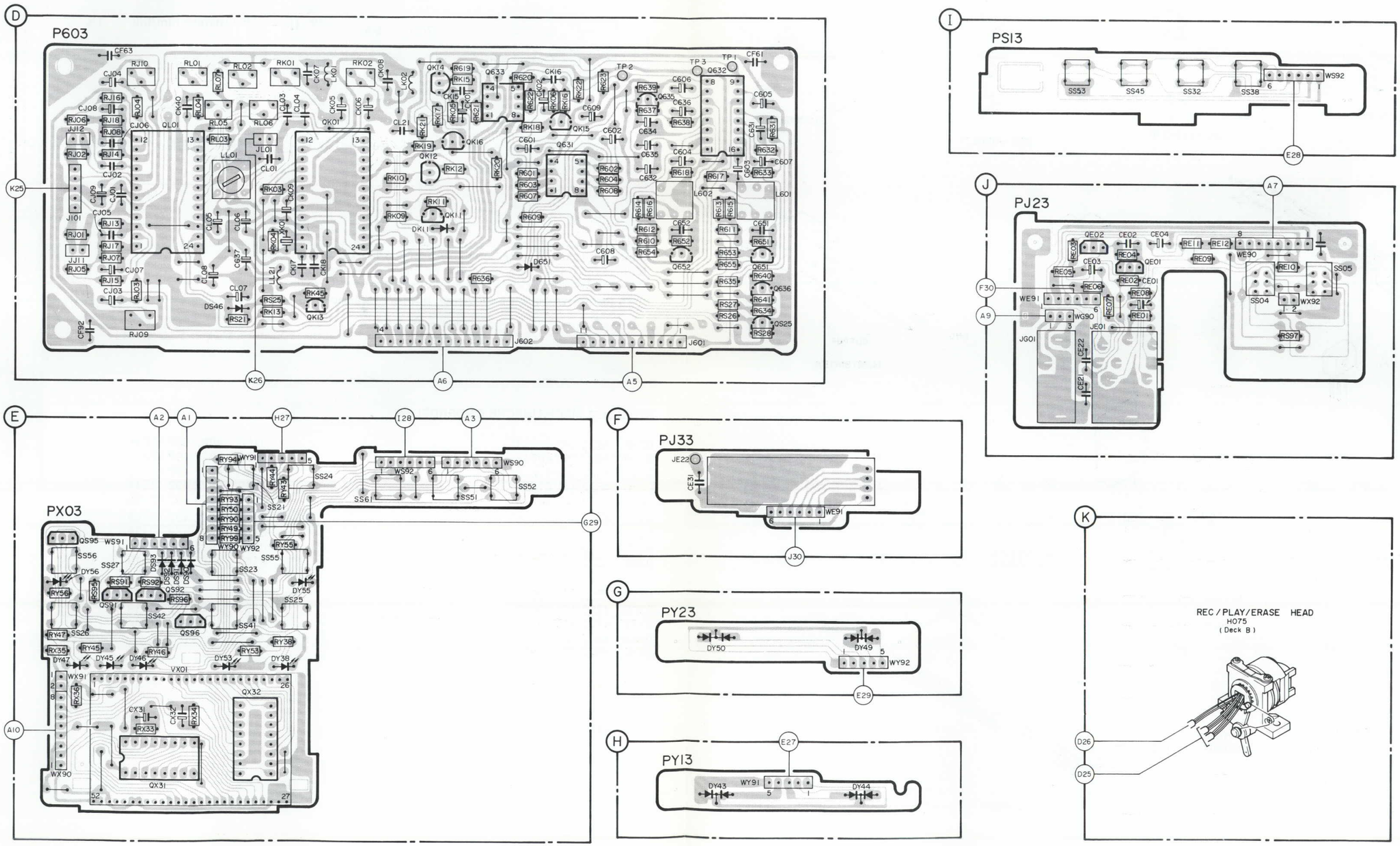
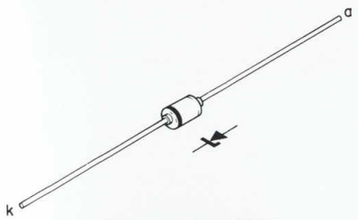
WIRING DIAGRAM

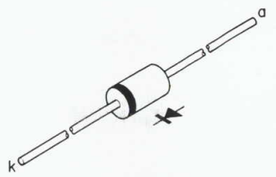
R	RJ01~RJ11 RJ13~RJ18 RL01~RL06 RK01~RK04 RK09~RKI2 RK2I RKI7 R619 R620 RKI8 RK06 RKI6 R602 R637~R639 R652 R617 R631~R63	RE01~RE08 RE11 RE12 RE10
	RY56 RY45 RY47 RX33 RX34 RY94 RS2I RS25 RKI3 RK45 RY44 RY43 RKI9 RK05 RKI5 RK20 R622 R609 RK22 R604 R614 R616 R618 R613 R615 R651 R640 R641	RE09 RS 97
	RX35 Rx 36 RS95 RS91 RS92 RS96 RY93 RY50 RY90 RY49 RY99 RY53 RY55 RY38 RKI2 R621 R636 R601 R603 R607 R623 R608 R610 R612 R654 R611 R653 R655 R635 RS26~RS28	
C	CF92 CF63 CK40 CL05~CL08 CL01 CL03 CL04 CK05~CK09 CL2I CKI5 C601 CK02 C609 C602 C634 C606 C603 C605	CE03 CE02 CE04
	CJ0I~CJ09 C637 CKI7 CKI8 CK0I CKI6 C608 C635 C636 CE3I CF6I C607	CE22 CE0I
	CX3I CX32 C632 C604 C652 C631 C651	CE2I
Q – X	QS95 QS9I QS92 QL0I QX3I QS96 QX32 XK0I QK0I QKI3 QKI2 QKI I QKI4 QKI6 Q633 QKI5 Q63I Q635 Q652 Q632 Q65I Q636 QS25	QE02 QE0I
D – L	DY56 DY45~DY47 DS90~DS93 LL0I DS46 DY53 LL2I DY38 DY55 LK0I DKI I D65I L602 DY50 DY43 L60I DY49 DY44	
S – V	SS56 SS26 SS27 SS42 VX0I SS23 SS4I SS2I SS55 SS25 SS24 SS6I SS5I SS52	SS53 SS45 SS32 SS38 SS04 SS05



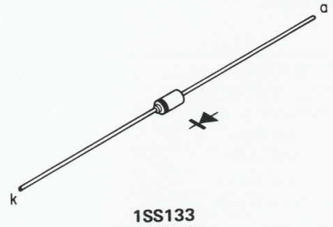
HALFGELEIDER LAY-OUT



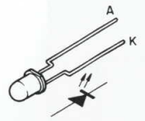
RD5.1JB2/MJZJ5.1B
RD8.2JB2/MJZJ8.2C
RD12JB2/MJZJ12C
RD13JB2/MJZJ13B



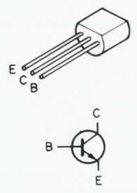
DSF10C
RL103E



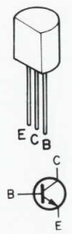
1SS133
1SS176
MA165



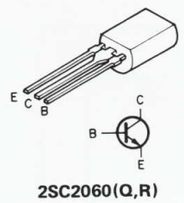
LT3D8B



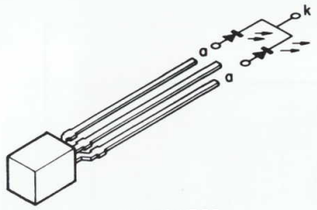
2SC1741(Q,R)



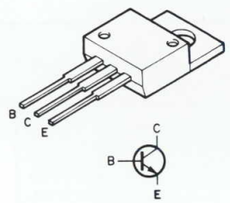
2SD1302(S,T)



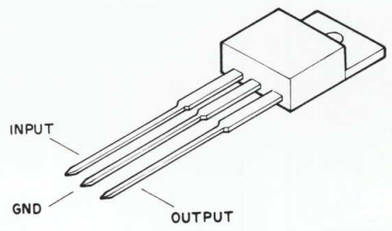
2SC2060(Q,R)



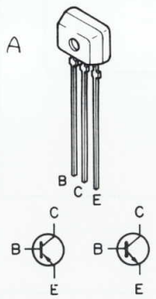
LN173WP68



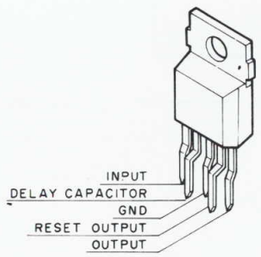
2SD313



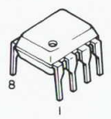
NJM78M15A



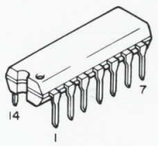
2SA608SP 2SC536SP
2SA933S 2SC1740S
2SA1048 2SC2458
2SA1309A 2SC3311A



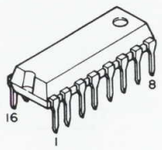
L78MR05



NJM2041D-D
NJM4558D-D

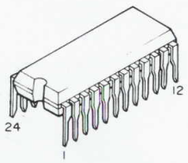


LC4066HB

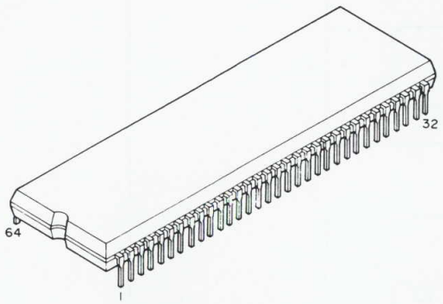


CXA1101P

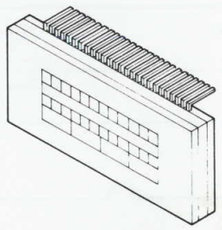
BA335



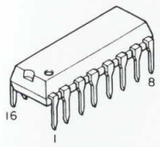
TDA1600
TDD1601



µPD75108CW



FIP48AW15YS



BA6146

	Carbon film 0.125 W or 0.2 W	70°C	5%
	Carbon film 0.25 W or 0.33 W	70°C	5%
	Metal film 0.25 W or 0.33 W	70°C	5%
	Carbon film 0.5 W	70°C	5%
	Carbon film 0.67 W	70°C	5%
	Carbon film 1 W or 1.15 W	70°C	5%
Ⓒ	Chip component		

△△*	Ceramic plate Tuning ⩽ 120 pF NP.0 Others	2% −20/+80%
●●*	Polyester flat foil	10%
□*	Metalized polyester flat film	10%
○□*	Polyester flat foil small size (Mylar)	10%
○△*	Polysterene film/foil	1%
■▲*	Tubular ceramic	
○*	Miniature single	
○○*	Subminiature tantalum	± 20%

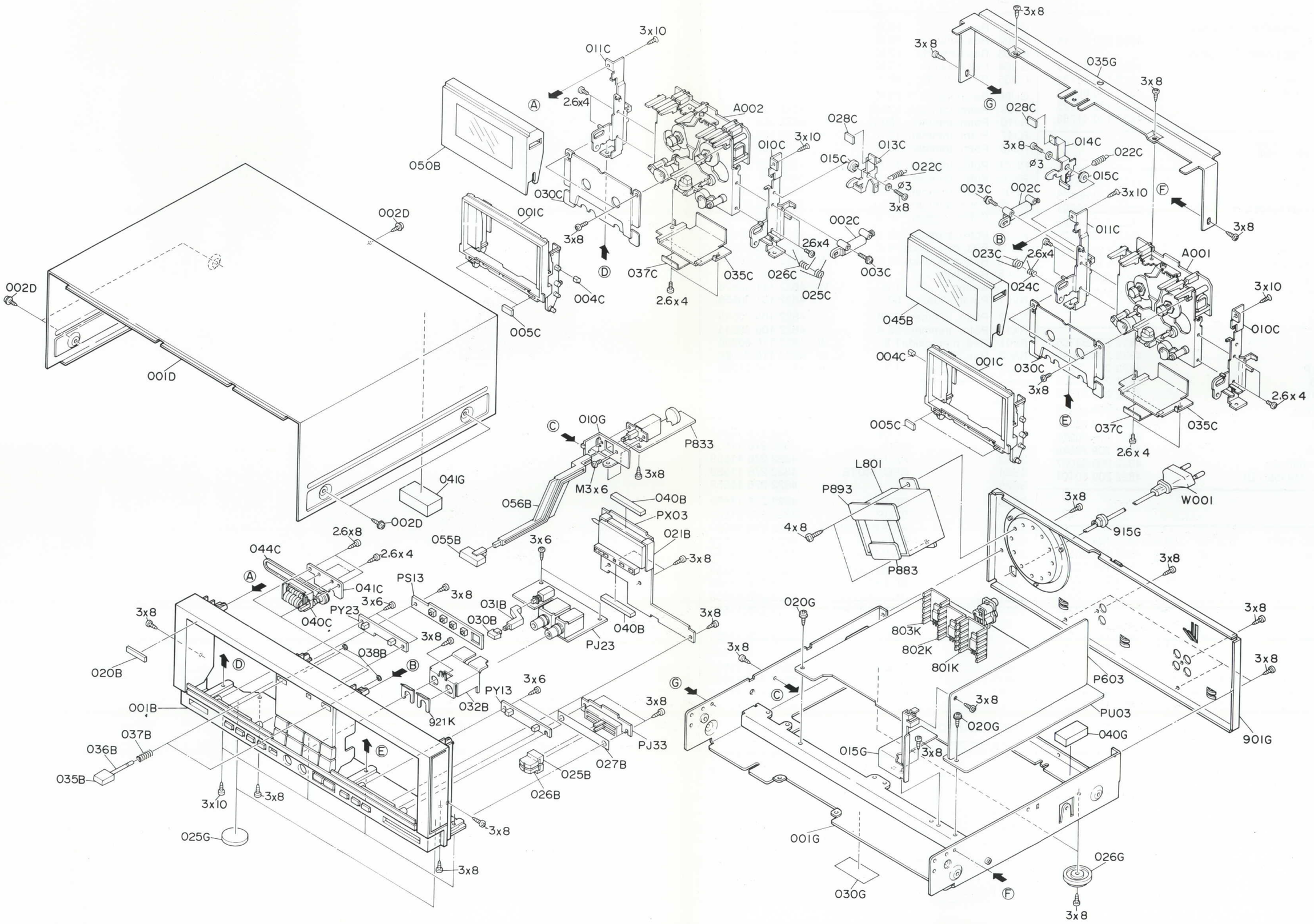
*a	= 2.5 V
b	= 3.15 V or 4 V
c	= 6.3 V
d	= 10 V
e	= 16 V
f	= 25 V
g	= 40 V
h	= 63 V
j	= 100 V
l	= 125 V
m	= 150 V
n	= 160 V
q	= 200 V
r	= 250 V
s	= 300 V
t	= 350 V
u	= 400 V
v	= 500 V
w	= 630 V
x	= 1000 V
A	= 1.6 V
B	= 6 V
C	= 12 V
D	= 15 V
E	= 20 V
F	= 35 V
G	= 50 V
H	= 75 V
I	= 80 V

NOTE:
Some withstand voltages of the condensers are shown in both numerical value and symbol on the circuit diagram. If withstand voltage shown in numerical value is different from that in symbol for a condenser, both are applicable.

STUKLIJST MECHANISCHE ONDERDELEN

001B	4822 443 40563
021B	4822 255 40842
025B	4822 411 61455
026B	4822 411 61456
027B	4822 459 40613
030B	4822 410 26265
031B	4822 403 30719
035B	4822 410 26266
036B	4822 535 92441
037B	4822 492 42164
045B	4822 459 40616
050B	4822 459 40617
055B	4822 410 26157
056B	4822 403 30718
001C	4822 459 20391
002C	4822 464 50528
003C	4822 502 12557
004C	4822 492 63414
013C	4822 403 53328
014C	4822 403 53329
015C	4822 532 11636
022C	4822 492 32816
023C	4822 492 41643
024C	4822 492 41644
025C	4822 492 42165
026C	4822 492 42166
030C	4822 459 80428
040C	4822 349 50314
044C	4822 358 30519
025G	4822 462 41214
026G	4822 462 41186
915G	4822 532 51314
921K	4822 462 41037

EXPLODED VIEW



2SA608SP (2SA933S, 2SA1048, 2SA1309A)	4822 130 42715
2SC536SP (SC1740S, 2SC2458, 2SC3311A)	4822 130 42483
2SC1741 Q or R	4822 130 43191
2SC2060 (Q, R)	4822 130 60173
2SD1302 (S, T)	4822 130 42125
2SD313E	4822 130 41768

RD5.1JB2 (MTZJ5.1B)	4822 130 80317
RD8.2JB2 (MTZJ8.2C)	4822 130 80273
RD12JB2 (MTZJ12C)	4822 130 80091
RD13JB2 (MTZJ13B)	4822 130 80623
RL103E (DSF10C)	4822 130 32508
ISS133 (ISS176, MA165)	4822 130 33305
LN173WP68 red/green	4822 130 80118
LT3D8B red	4822 130 80326

BA335	4822 209 83706
BA6146	4822 209 70049
CXA1101P	4822 209 72546
L78MR05	4822 209 70385
NJM2041D.D	4822 209 81565
NJM78M15A	4822 209 82829
TDA1600	4822 209 70378
TDD1601	4822 209 70379
µPD75108	4822 209 72548
4066 (LC4066HB)	4822 209 83067
4558D (NJM4558D.D)	4822 209 80401

CB01	Cap. elect.	0.22 µF	50 V	4822 124 21818
CE02	Cap.cer.	5 pF	50 V	4822 122 40103
CJ01	Cap. foil	680 pF	50 V	4822 121 42713
CJ02	Cap. foil	680 pF	50 V	4822 121 42713
CL03	Cap. foil	220 pF	100 V	4822 121 42344
CL04	Cap. foil	220 pF	100 V	4822 121 42344
CX31	Cap. elect.	4.7 µF	25 V	4822 124 22476
CX32	Cap. elect.	4.7 µF	25 V	4822 124 22476
C806	Cap. elect.	4700 µF	25 V	4822 124 21855
C807	Cap. elect.	4700 µF	16 V	4822 124 22268
C809	Cap. elect.	0.22 µF	50 V	4822 124 21818
C811	Cap. elect.	0.047 µF	50 V	4822 122 40306
C851	Cap. cer.	0.01 µF	400 V	4822 122 40305

LK01	Choke coil	22 mH		4822 152 20564
LK02	Choke coil	22 mH		4822 152 20564
LL01	Osc. coil			4822 146 10184
LL21	Choke coil	2.2 mH		4822 152 20622
L071	Solenoid			4822 157 53318
L075	Solenoid			4822 157 53318
L601	Filter	19 kHz	MPX	4822 157 52461
L602	Filter	19 kHz	MPX	4822 157 52461
L801	Mains transformer			4822 146 30663

GU01	Res.network	10 K		4822 111 91185
GU02	Res.network	10 K		4822 111 91276
GU03	Res.network	10 K		4822 111 91185
GU04	Res.network	10 K		4822 111 91276
GU05	Res.network	10 K		4822 111 91185
GU06	Res.network	10 K		4822 111 91276
RJ09	Potm. trimmer	100 E		4822 100 11249
RJ10	Potm. trimmer	100 E		4822 100 11249
RJ47	Potm. trimmer	10 K		4822 100 11041
RJ48	Potm. trimmer	10 K		4822 100 11041
RK01	Potm. trimmer	47 K		4822 100 20541
RK02	Potm. trimmer	47 K		4822 100 20541
RL01	Potm. trimmer	100 K		4822 100 20672
RL02	Potm. trimmer	100 K		4822 100 20672
RL05	Potm. trimmer	10 K		4822 100 20537
RL06	Potm. trimmer	10 K		4822 100 20537
RQ33	Res. met. oxide	18 E	1 W	4822 116 60444
RQ43	Res. met. oxide	18 E	1 W	4822 116 60444
RU05	Res. wire wound	1 K	1/2 W	4822 111 50473
RV01	Potm. slide	50 K		4822 101 30559
RX13	Potm. trimmer	22 K		4822 100 20545
RX14	Potm. trimmer	22 K		4822 100 20545
R801	Res. met. oxide	1 E	1/2 W	4822 116 60306
R802	Res. V.D.R	1 E	1/2 W	4822 116 21086
R803	Res. V.D.R	1 E	1/2 W	4822 116 21086

SS04	Dolby	4822 276 12342
SS21	REC	4822 276 11559
SS23	PAUSE	4822 276 11559
SS24	REC. MUTE	4822 276 11559
SS25	FF	4822 276 11559
SS26	REW	4822 276 11559
SS27	STOP	4822 276 11559
SS32	INDEX SCAN	4822 276 11559
SS38	QMS	4822 276 11559
SS41	FWD PLAY	4822 276 11559
SS42	REV PLAY	4822 276 11559
SS45	REV MODE	4822 276 11559
SS51	DUBBING NS	4822 276 11559
SS52	DUBBING HS	4822 276 11559
SS53	CONTINUOUS PLAY	4822 276 11559
SS55	DECK A	4822 276 11559
SS56	DECK B	4822 276 11559
SS61	REC CANCEL	4822 276 11559
S851	MAINS	4822 276 11141

MISCELLANEOUS

H071	PB-Head	4822 249 30123
H075	REC/PB-Head	4822 249 10349
JE01	Jack socket Mic	4822 264 30232
JG01	Jack socket Phone	4822 267 30617
JR01	Socket 2 p.	4822 266 30274
JW01	Socket 4 p.	4822 265 30397
XK01	Cer. Resonator	4822 242 71533
XU02	Resonator	4822 242 71774
Q071/Q075	Reel sensor	4822 130 80624
VX01	Indicator	4822 130 80625
M071/M075	Motor	4822 361 21069