

# Service Information

1990-10-01

CD600/CD610

A90-120

**Product Service Group CE Audio**

**GB**

To adapt the service manual the following sheets have been added/changed.

**F**

Afin de pouvoir adapter le "manual service" les feuillets suivants ont été soit modifiés, soit ajoutés.  
Pages:

**NL**

Voor het aanpassen van de service manual zijn de onderstaande pagina's toegevoegd/gewijzigd.  
Pagina:

**D**

Zür anpassung des Service Manual sind die nachstehenden Seiten hinzugefügt/geändert.  
Seite:

**I**

Le seguenti pagine sono state cambiate/aggiunte allo scopo di adattare il Manuale di Servizio.  
Pagine:

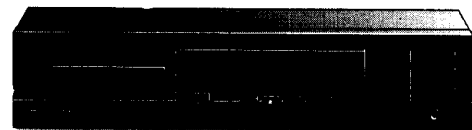
1-1b  
2-1a  
2-2a  
2-3c  
3-1c  
3-2b  
3-3b  
3-4b  
3-5b  
3-6b  
3-6-1a  
3-6-2a  
3-7b  
3-8a  
3-9c  
3-10d  
4-1c

Service  
Service  
**Service**

4822 725 22973

CS 32 228

Service  
Service  
Service



44 728 A11

# Service Manual

## CONTENTS

- 1 Operations
- 2 Technical data  
Servicing hints  
Exploded view and parts list mechanical components
- 3 Measurements and adjustments  
Blockdiagram  
Circuit diagram  
Panel data  
Wiring diagram  
Partslist electrical components



(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.

(SF) Varo!

Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.

(S) Varning!

Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.

**CLASS 1  
LASER PRODUCT**

3122 110 03420

Documentation Technique Service Dokumentation Documentazione di Servizio Huolto-Ohje Manual de Servicio Manual de Servicio



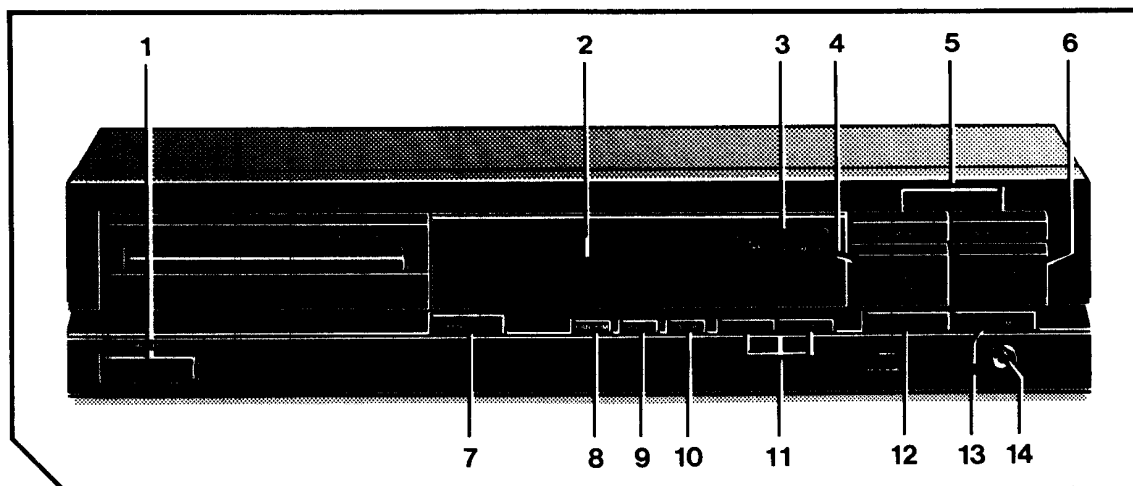
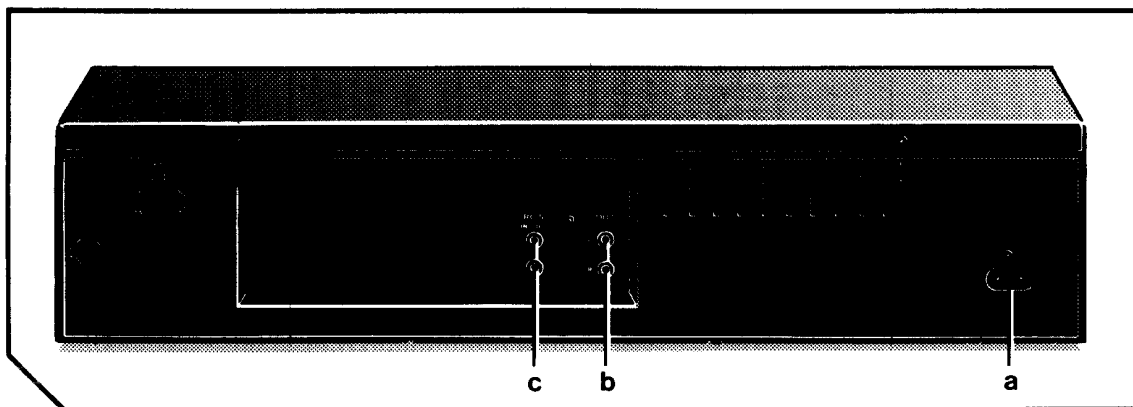
\*Pour votre sécurité, ces documents doivent être utilisés par des spécialistes agréés, seuls habilités à réparer votre appareil en panne.

Subject to modification  
4822 725 22407

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**PHILIPS**

Published by  
Consumer Electronics



44 729 A11

## OPERATION

### Explanation of keys

- 1 ON/OFF**  
For switching on and off.
- 2 DISPLAY**  
Informs you about the functioning of the player.  
Displays details from the disc contents list.
- 3 IR REMOTE (not for CD600)**  
Receives the signals from the remote control.
- 4 STOP/CM**  
For stopping play (STOP)  
For erasing a programme (CM = Clear Memory).
- 5 PREVIOUS and NEXT**  
For selecting another track during play.  
For selecting a track number to start play.  
For selecting track numbers when compiling a programme.  
(PREVIOUS from high to low and NEXT from low to high.)
- 6 PLAY/REPLAY**  
For starting play (PLAY)  
For returning to the beginning of a track (REPLAY).
- 7 OPEN/CLOSE**  
For opening and closing the disc tray.
- 8 RANDOM**  
For playing in random order.
- 9 REPEAT**  
For repeating a disc or a programme.
- 10 'A-B'**  
For setting the starting and stopping point of a passage to be repeated.

### 11 '<< >>'

For fast search to a particular passage during play.  
( '<<' backwards and '>>' forwards.)

### 12 PAUSE

For interrupting play.  
For holding play at the start of a disc, track or passage.

### 13 PROGRAM

For storing track numbers in a programme.  
For erasing track numbers from a programme.  
For checking a programme.

### 14 PHONES

For connection of headphones

## CONNECTIONS

- a. Connection for the mains lead.
- b. **OUT L R:** for the connecting cable to the amplifier.
  - Insert a red plug into the 'R' socket (right-hand channel) and the other plug into the 'L' socket (left-hand channel).
  - Insert the two other plugs into the corresponding sockets of the CD or AUX input of your amplifier. You can also use the TUNER or TAPE IN connection, but **never** the PHONO input. This is not suitable for Compact Disc reproduction.
- c. **RC5 IN/OUT:** for a remote control system.  
Use this connection for:
  - Connecting up the equipment when you are incorporating the player in a PHILIPS HiFi system with its own remote control system.
  - Connecting the remote control receiver EM 2200, available as an accessory, if the siting of the player prevents its IR REMOTE eye from receiving the signals from the remote control directly.

**TECHNICAL DATA****General**

- |                                      |                       |
|--------------------------------------|-----------------------|
| 1. Mains voltage 00R                 | : 220V ( $\pm 10\%$ ) |
| 05R                                  | : 240V ( $\pm 10\%$ ) |
| 07R/17R                              | : 117V ( $\pm 10\%$ ) |
| 2. Mains frequency 00R/05R           | : 50 Hz               |
| 07R/17R                              | : 60 Hz               |
| 3. Mains voltage selection           | : See circuit diagram |
| 4. Power consumption mains, operated | : 15 W                |

**External RC-5 connection**

Specification: V-in Low: from -2,0 V to +1,6 V  
 V-in High: from +3 V to +7,5 V  
 R-in: from 47 kOhm to 68 kOhm

**Line output**

- |  |   |
|--|---|
| Number of channels                                 | : 2   |
| Output voltage                                     | : 2 Vrms $\pm$ 2 dB                             |
| Unbalance Left-Right                               | : max. $\pm$ 0,5 dB                             |
| Output resistance                                  | : 1kOhm   |
| Amplitude linearity                                | : max. $\pm$ 0,15 dB from 20 Hz to 20 kHz       |
| Phase non-linearity                                | : max. $\pm$ 1,0° from 20 Hz to 20 kHz          |
| Signal to noise ratio                              | : min 90 dB from 20 Hz to 20 kHz                |
| Dynamic range                                      | : min 80 dB from 20 Hz to 20 kHz                |
| Total harmonic distortion + noise                  | : min 66 dB from 20 Hz to 20 kHz                |
| Intermodulation distortion                         | : max. 0.05% (min 66 dB) from 20 Hz to 20 kHz   |
| Out-band attenuation                               | : min 50 dB above 24,8 kHz from 20 Hz to 20 kHz |
| Channel separation                                 | : min 80 dB from 20 Hz to 20 kHz                |
| Muting during random access                        | : min 90 dB from 20 Hz to 20 kHz                |
| Automatic switched de-emphasis with time constants | : 15/50 $\mu$ s                                 |

**Headphone**

- |                      |   |
|----------------------|---|
| Output voltage       | : Max. 2 Vrms $\pm$ 2 dB  |
| Unbalance Left-right | : Max. $\pm$ 0,5 dB   |
| Output resistance    | : 150 Ohm   |
| Load impedance range | : 32 Ohm to 600 Ohm   |
| Output power         | : Max. 6 mW into 32 Ohm load<br>Max. 10 mW into 150 Ohm load<br>Max. 6 mW into 600 Ohm load |

**Dimensions and weight**

- |                       |       |                         |
|-----------------------|-------|-------------------------|
| Apparatus tray closed | WxDxH | : 420 x 280 x 90/104 mm |
| Apparatus tray open   | WxDxH | : 420 x 423 x 90/104 mm |
| Weight                |       | : 3,8 kg                |

**Optical read-out system**

- |                     |                        |
|---------------------|------------------------|
| Laser type          | : semiconductor ALGaAs |
| Wave length         | : 780 nm $\pm$ 20 nm   |
| Light output (c.w.) | : 0,4 mW $\pm$ 0,04 mW |

**(GB) WARNING**

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.

When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools also at this potential.

**(F) ATTENTION**

Tous les IC et beaucoup d'autres semi-conducteurs sont sensibles aux décharges statiques (ESD).

Leur longévité pourrait être considérablement écourtée par le fait qu'aucune précaution n'est prise à leur manipulation.

Lors de réparations, s'assurer de bien être relié au même potentiel que la masse de l'appareil et enfilez le bracelet serti d'une résistance de sécurité.

Veiller à ce que les composants ainsi que les outils que l'on utilise soient également à ce potentiel.

**ESD****(D) WARNUNG**

Alle ICs und viele andere Halbleiter sind empfindlich gegenüber elektrostatischen Entladungen (ESD).

Unvorsichtige Behandlung im Reparaturfall kann die Lebensdauer drastisch reduzieren. Veranlassen Sie, dass Sie im Reparaturfall über ein Pulsarmband mit Widerstand verbunden sind mit dem gleichen Potential wie die Masse des Gerätes.

Bauteile und Hilfsmittel auch auf dieses gleiche Potential halten.

**(NL) WAARSCHUWING**

Alle IC's en vele andere halfgeleiders zijn gevoelig voor electrostatische ontladingen (ESD).

Onzorgvuldig behandelen tijdens reparatie kan de levensduur drastisch doen verminderen. Zorg ervoor dat u tijdens reparatie via een polsband met weerstand verbonden bent met hetzelfde potentiaal als de massa van het apparaat.

Houd componenten en hulpmiddelen ook op ditzelfde potentiaal.

**(I) AVVERTIMENTO**

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD).

La loro longevità potrebbe essere fortemente ridotta in caso di non osservazione della più grande cauzione alla loro manipolazione.

Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un braccialetto a resistenza.

Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

**SERVICING HINTS**

In the set chip components have been applied.  
For disassembly and assembly of chip components see the figure below.

The disc should always rest properly on the turntable.  
To achieve this a disc hold-down has been mounted in a bracket of the tray mechanism.

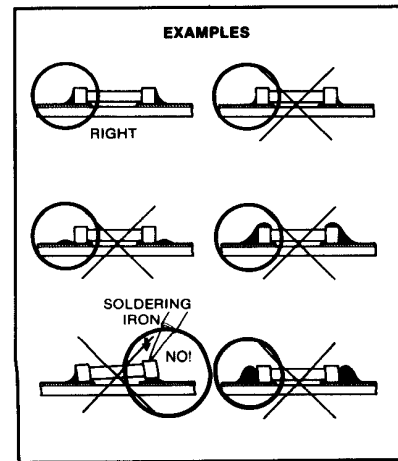
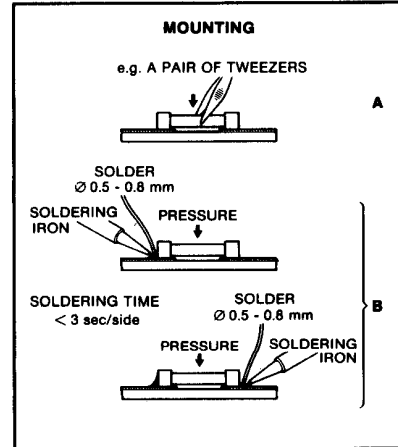
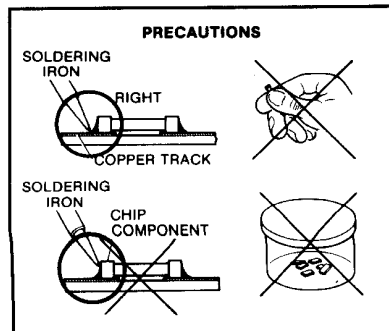
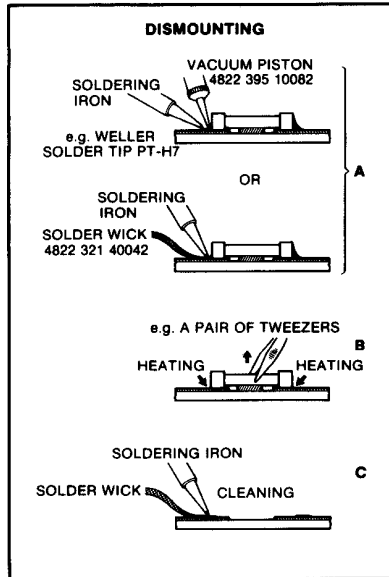
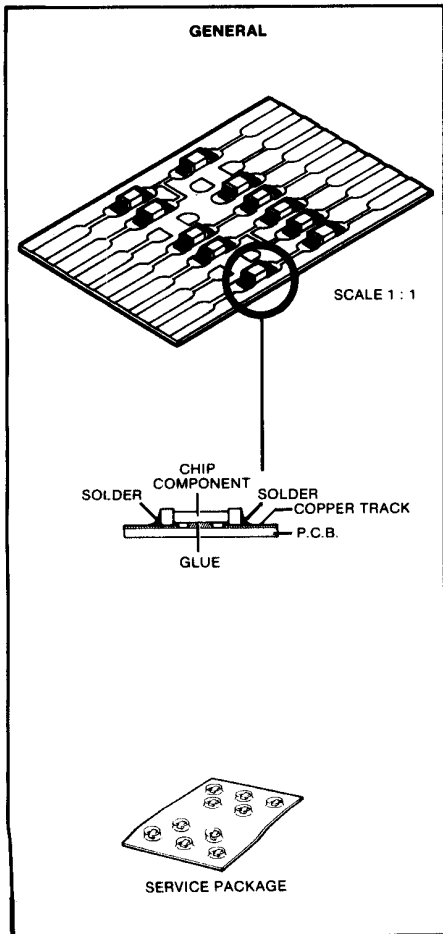
If the tray mechanism has to be disassembled for servicing, a separate disc hold-down should be used.  
(See drawing "Service disc hold-down")  
The set can function normally then.

Code number of the disc hold-down is 4822 462 50383.

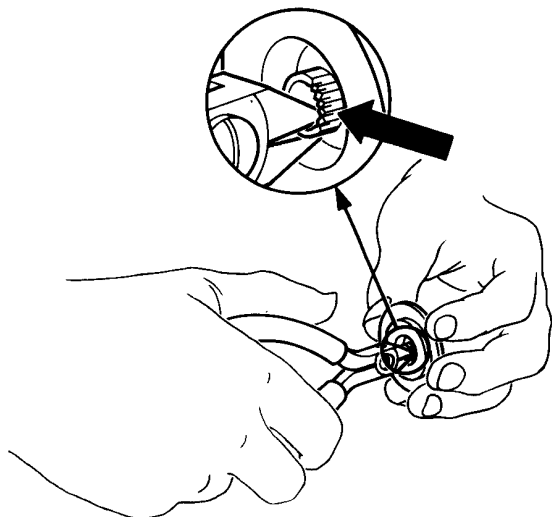
When the tray mechanism has been disassembled, the tray switch must be activated immediately after pressing the play button in order to ensure normal operation. By servicing the apparatus in the upside down position it is also possible to short circuit points A and B temporarily instead of activating the switch.

**SERVICE TOOLS**

Audio signals disc	4822 397 30184
Disc without errors (test disc 5) + disc with DO errors, black spots and fingerprints (test disc 5A)	4822 397 30096
Disc 65 min 1 kHz without pause	4822 397 30155
Max. diameter disc(58.0 mm)	4822 397 60141
Torx screwdrivers	
Set (straight)	4822 395 50145
Set (square)	4822 395 50132
13th order filter	4822 395 30204
Service cable (4p)	4822 321 21284
Service flexfoil (14p)	4822 322 40066
Service connector (14p)	4822 267 50676
Green LED CQY G11	5322 130 32182
Insulation cover	4822 444 60655



**SERVICE DISC HOLDDOWN**

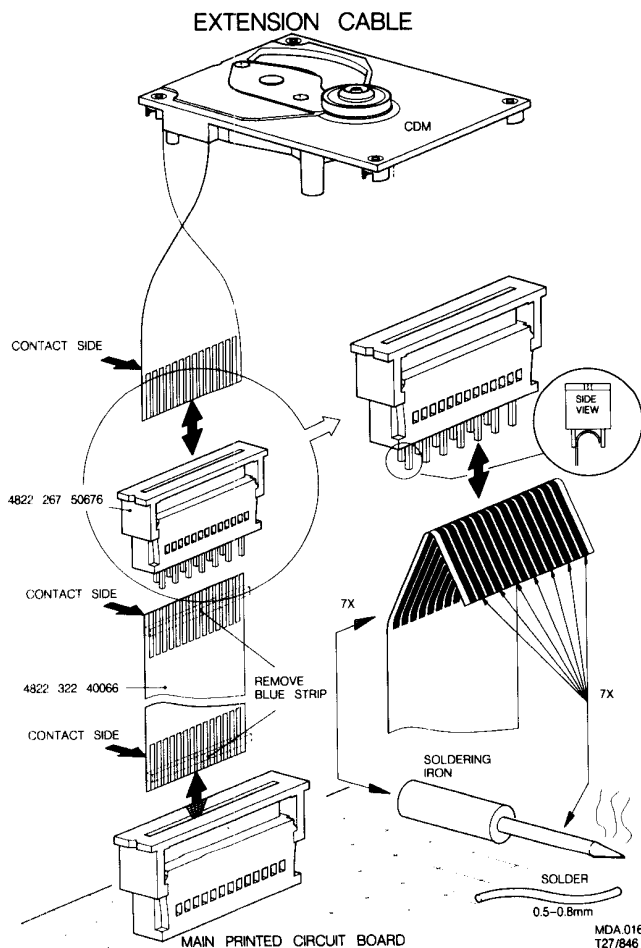


42 565 A12

**Compose a service Disc hold-down in the following way**

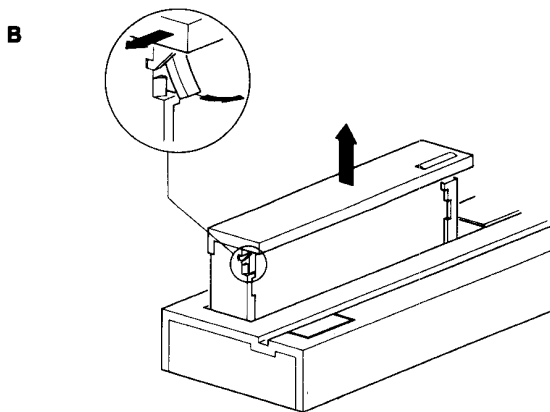
- Cut in the most inner ring of a disc hold-down (4822 462 50383) with small and sharp nippers, see fig. above.
- Enlarge the diameter of the innermost ring slightly with the hind part of a pencil or ballpoint, so that it jams onto the turntable with sufficient force.
- If the jamming force decreases after certain time of use, the diameter has to be enlarged with a pencil or ballpoint again.

**SERVICE FOIL FOR CDM**

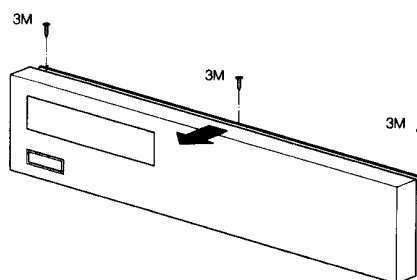


**CABINET DISASSEMBLY HINTS**

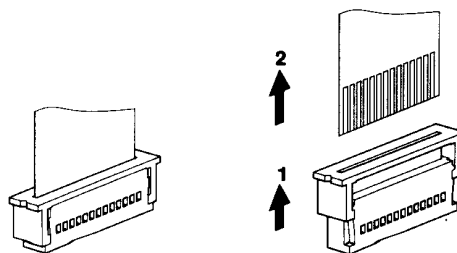
**A Remove 2 front feet**



**C**



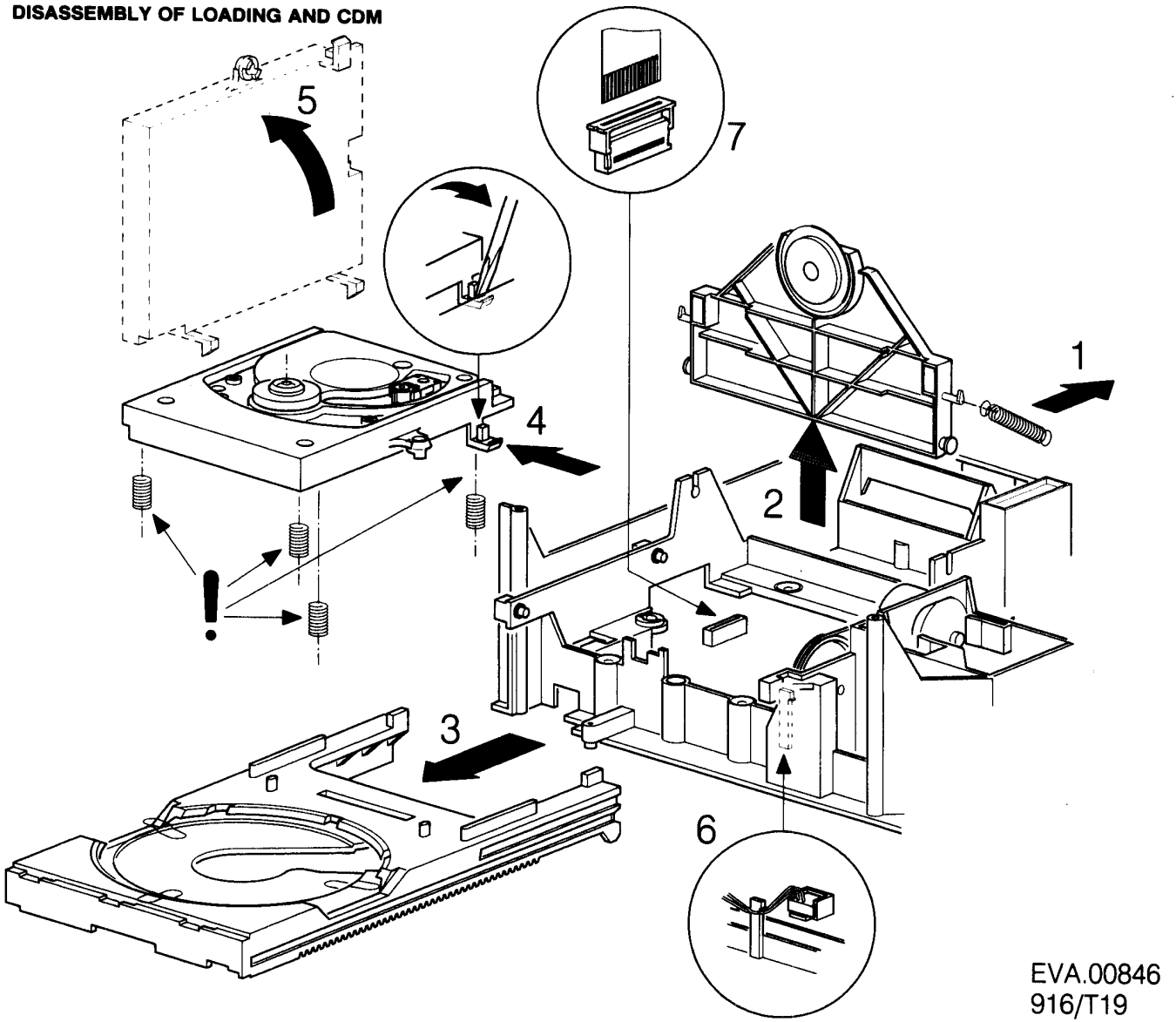
MDA.02137  
916/T19



MDA.01406  
T28/822

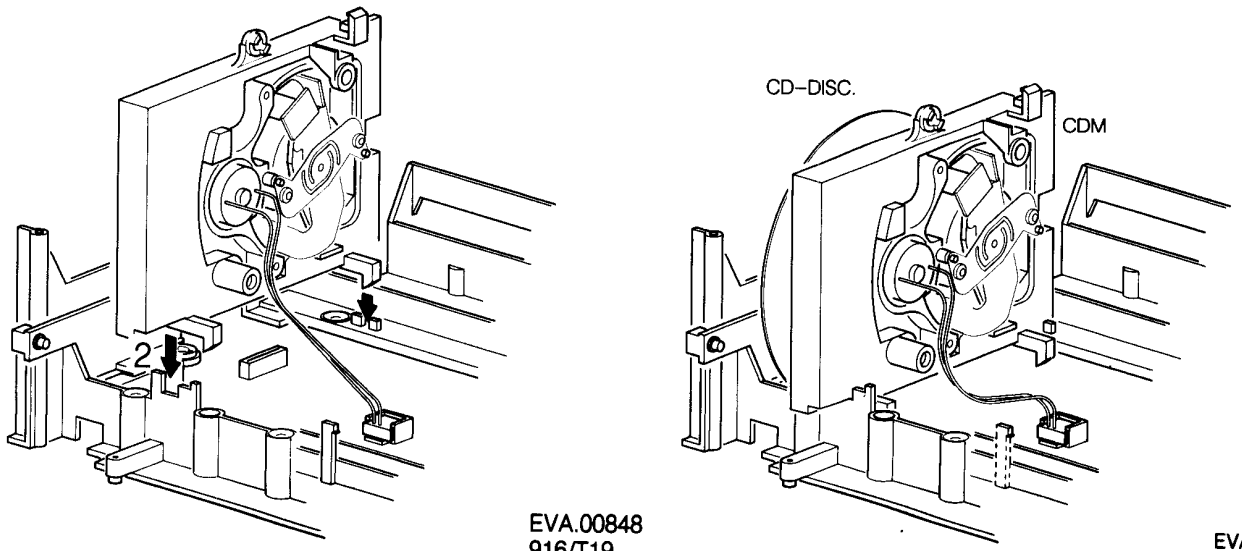
2-2a

**DISASSEMBLY OF LOADING AND CDM**



EVA.00846  
916/T19

**PLAY SERVICE POSITION**

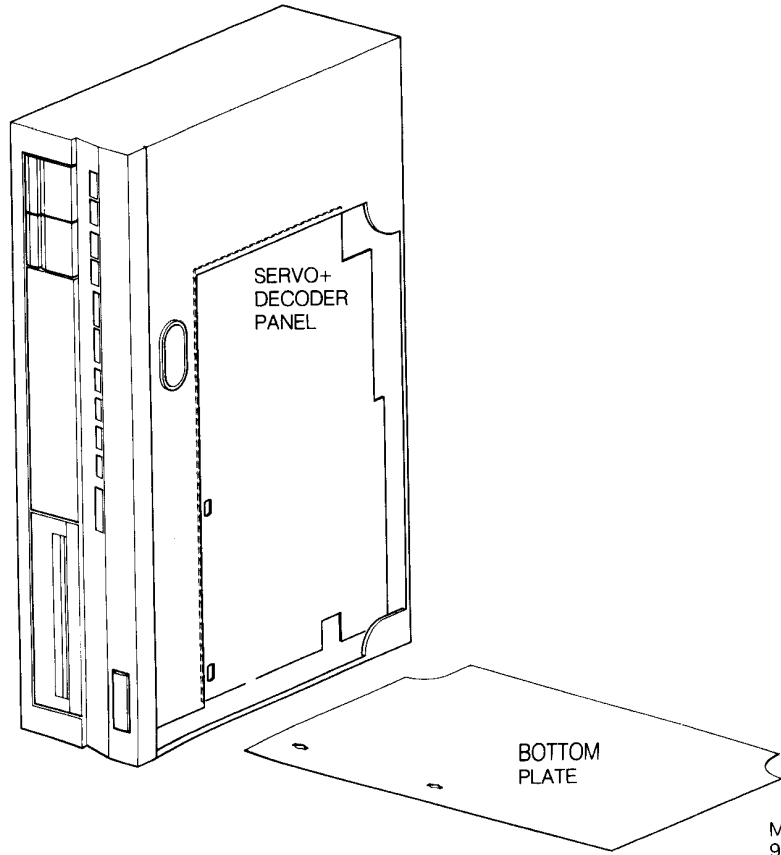


EVA.00848  
916/T19

EVA.  
916/

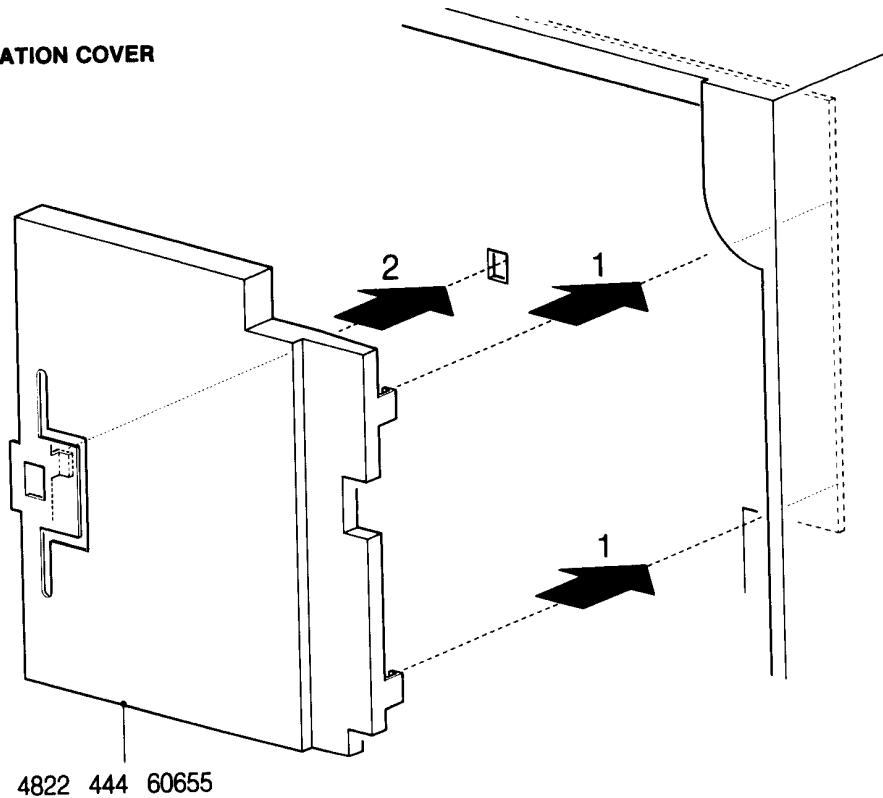
**FOR ACCESS OF THE MAIN PCB, REMOVE THE BOTTOM PLATE**

MEASURING AND ADJUSTMENT POSITION  
OF THE SET



MDA.02798  
9034/T27

**INSULATION COVER**



4822 444 60655

MDA.02548  
T02/007

TO AVOID ELECTRIC SHOCK DURING SERVICING MOUNT  
INSULATION COVER OVER MAINS LEADS ON MAIN PANEL

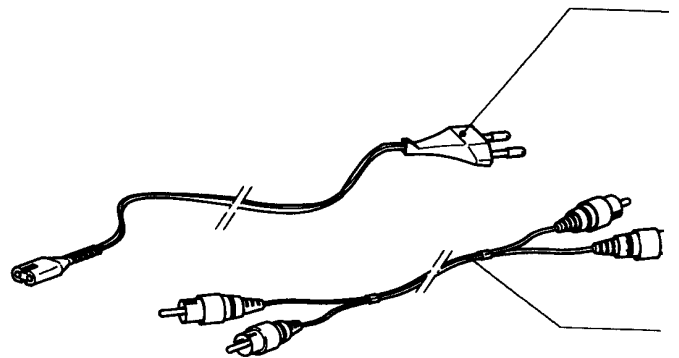
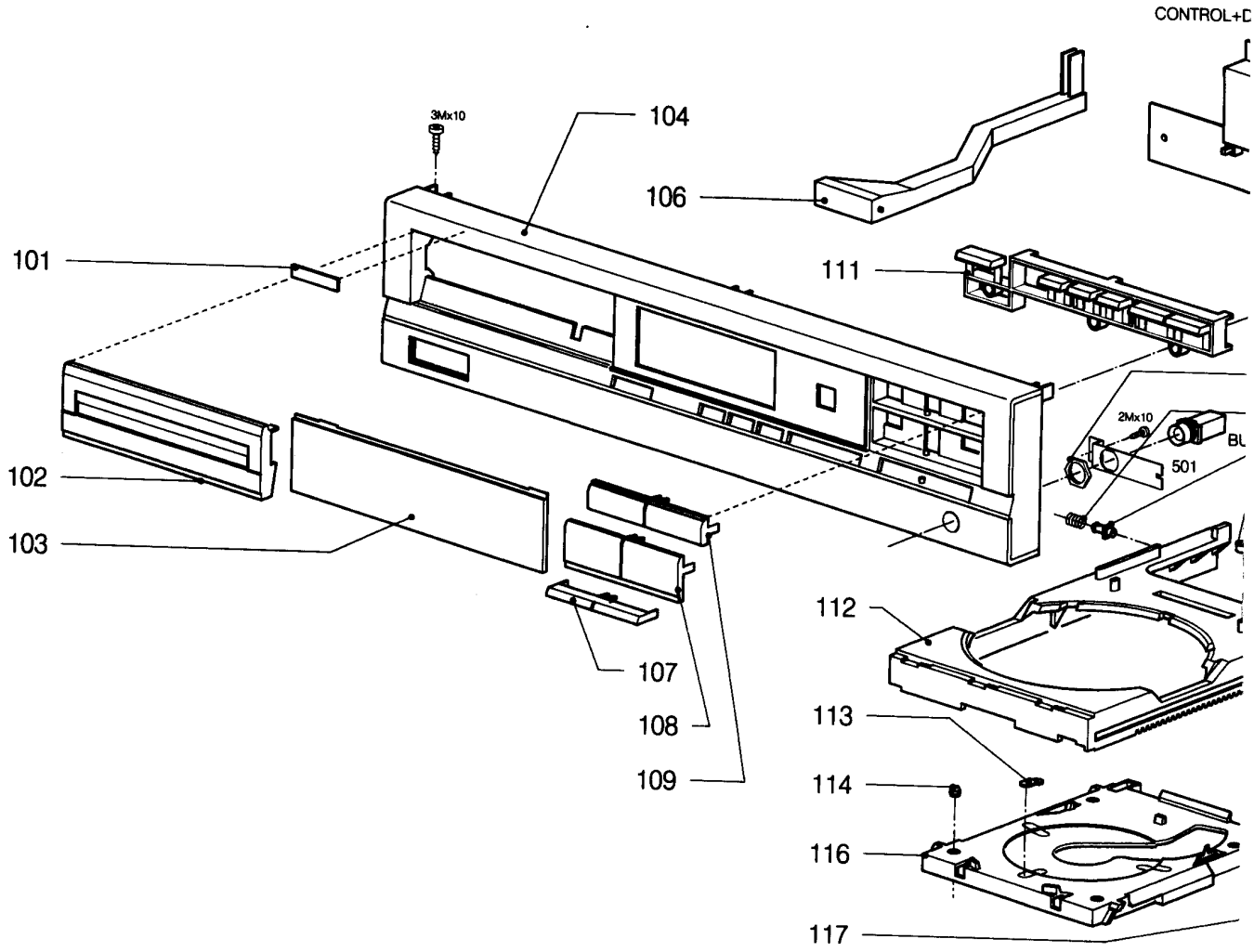


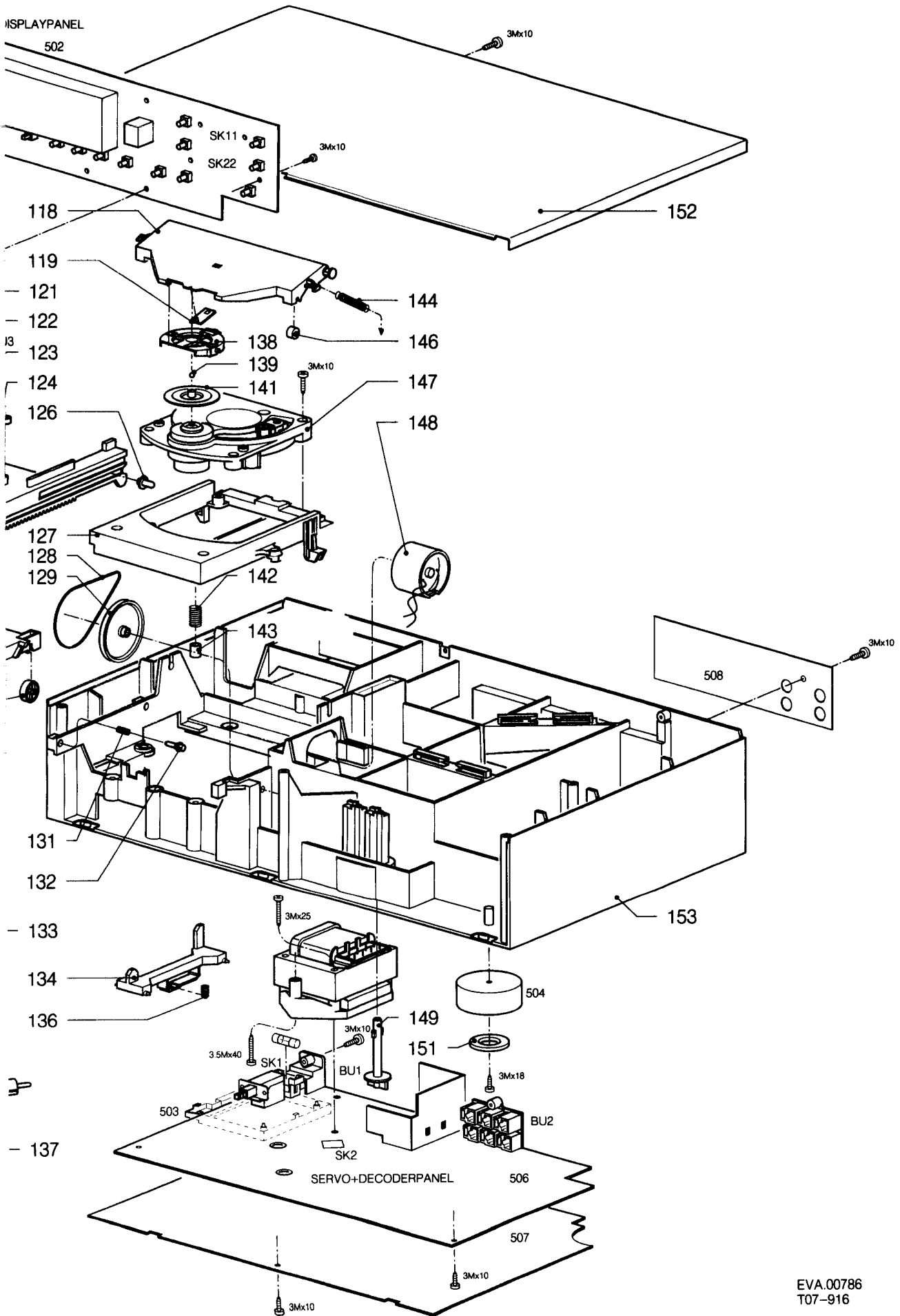
**Mechanical parts**

101	4822 459 10803	/00B/00R/05R
101	4822 459 10888	/07R/17R
102	4822 444 60625	
103	4822 450 61373	CD600
103	4822 450 61355	CD610
104	4822 444 40312	CD600/00R/05R
104	4822 444 40317	CD600/07R/17R
104	4822 444 40303	CD610/00R/05R
104	4822 444 40331	CD610/00B
104	4822 444 40318	CD610/07R/17R
106	4822 410 60105	
106	4822 410 60379	CD610/00B
107	4822 410 60103	
107	4822 410 60377	CD610/00B
108	4822 410 60095	
108	4822 410 60376	CD610/00B
109	4822 410 60094	
109	4822 410 60375	CD610/00B
111	4822 410 60097	
111	4822 410 60378	CD610/00B
112	4822 444 50603	
113	4822 325 50176	
114	4822 325 50177	
116	4822 466 92251	
117	4822 528 90638	
118	4822 444 60568	
119	4822 466 92257	
121	4822 505 10571	
122	4822 492 52094	
123	4822 402 61252	
124	4822 532 51756	
126	4822 402 61253	
127	4822 402 61196	
128	4822 358 10115	
129	4822 528 81329	
131	4822 492 52094	
132	4822 402 61252	
133	4822 321 10457	/00B/00R
133	4822 321 10522	/05R
133	4822 321 10445	/07R/17R
134	4822 402 50276	
136	4822 492 52123	
137	4822 321 22832	
138	4822 402 61207	
139	4822 520 40177	
141	4822 530 80503	
142	4822 492 51902	
143	4822 466 61587	
144	4822 492 32883	
146	4822 528 90639	
147	4822 691 30209	
148	4822 361 20998	
149	4822 535 80806	
151	4822 444 30404	
152	4822 444 30417	
153	4822 464 50805	
153	4822 464 50811	CD610/00B

EXPLODED VIEW

2-3c

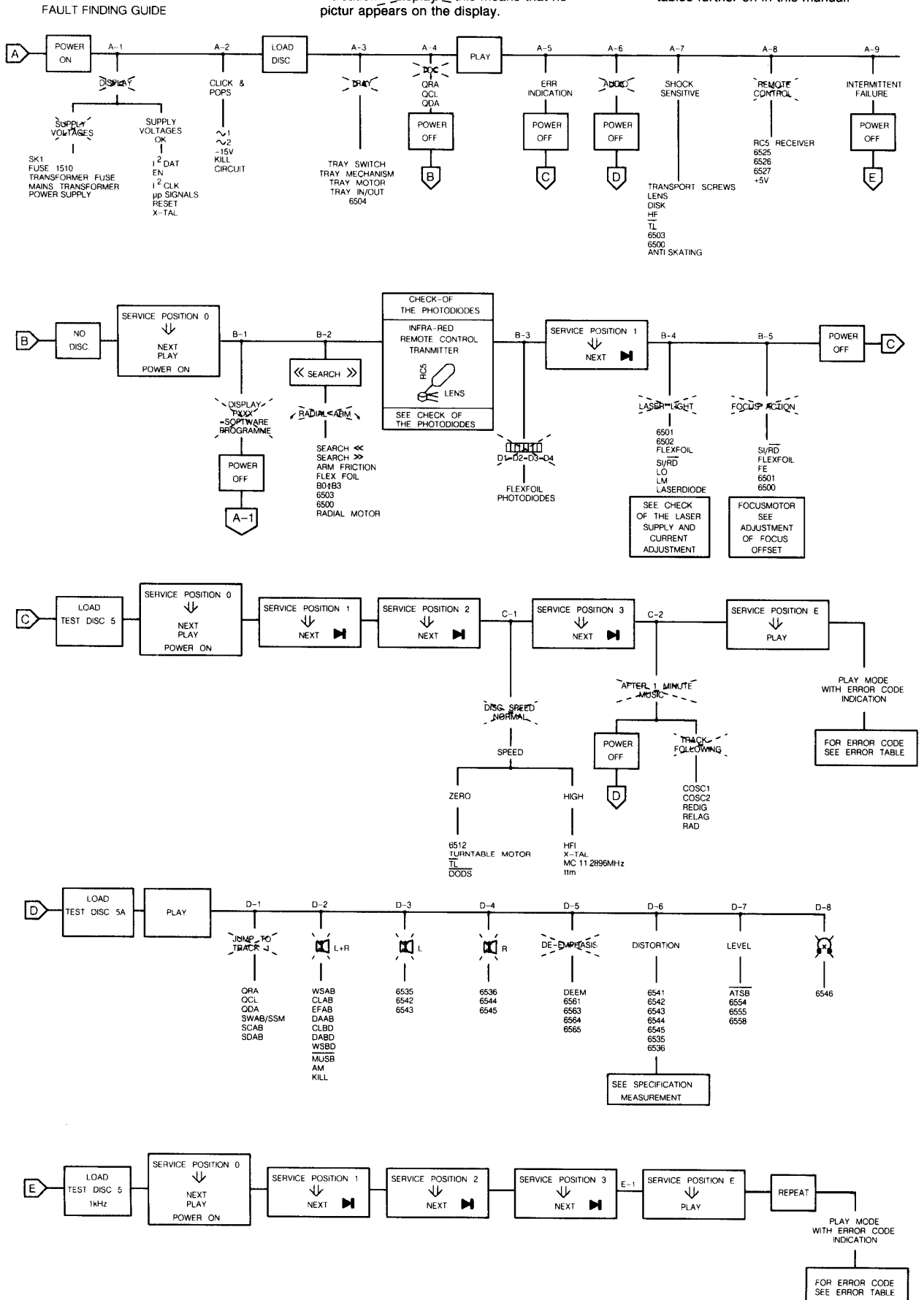




# FAULT FINDING GUIDE

Follow the path of the faultfinding tree beginning at the top left. Perform the actions you come across in the various blocks. Look at the various side branches to find out if the information you see there applies to your problem. If, for instance, you find the indication **display** this means that no picture appears on the display.

If you establish this fault, follow the branch and perform the recommended actions. Check the signals mentioned in a number of branches further reference is made to measurements you could carry out. These measurements are explained in several tables further on in this manual.



**B-3 CHECK OF THE PHOTODIODES**

3-1c

Step	Signal	Mode					Remarks
1	D2 D1 D3 D4	power on	   	-	-	signal 4=6=7=8	Signal depends on Distance lens ↔ IR LED of remote control

T-22811A

**B-4 CHECK OF LASER SUPPLY**

The laser, the lasersupply plus the monitor diode form a feedback system.

A defect in the lasersupply may result in the destruction of the laser. If, in that case, the laser is replaced, (= complete C.D.M.-unit) the new laser will also become defective. However, it is impossible to check and repair a feedback system if a link is missing. For this reason the laser supply can be checked with the replacement circuit for laser assembly.

Step	Signal	Mode			Remarks
1	LO	serv. pos. 2		1.8<V <2.3	REPLACEMENT CIRCUIT FOR LASER ASSEMBLY  CONNECT DIRECTLY TO PANEL The feedback system sees to it that the same amount of current flows through the LED. When SK is open and when SK is closed the LED emits little light! PPS 06615 T02/9020
	LM	SK		170<mV <220	
2	LO	serv. pos. 2		1.8<V <2.3	
	LM	SK		170<mV <220	
3	LO	Power on		0V ± 0.2V	No light

T-22811B

After opening SK, the led will emit more light for a short moment

**B-4 LASER CURRENT ADJUSTMENT**

STEP	SIGNAL	MODE					REMARKS
1	--	POWER OFF	--	--	--	--	CHECK IF FLEX-FOIL IS PROPERLY CONNECTED
2	--	POWER OFF		R3520	1kΩ +10% -0	--	PRE ADJUSTMENT OHMIC VALUE
3	--	POWER OFF	--	R3568	--	--	SET TO MID-POSITION
4	LASER CURRENT VOLTAGE ACROSS R3500	TEST DISC 5A PLAY		--	--	≥15mV	IF < 15mV THEN GO TO STEP 3 AND SET R3515 TO 1/4 OR 3/4. TRY AGAIN
5	LASER CURRENT VOLTAGE ACROSS R3500	TEST DISC 5A PLAY		R3520	--	50mV	--
6	FE-LAG	TEST DISC 5A TRACK 1 PLAY		R3568	--	400mV	FINE ADJUSTMENT




MDA 02673  
T28/020

**B-5 ADJUSTMENT OF FOCUS-OFFSET**

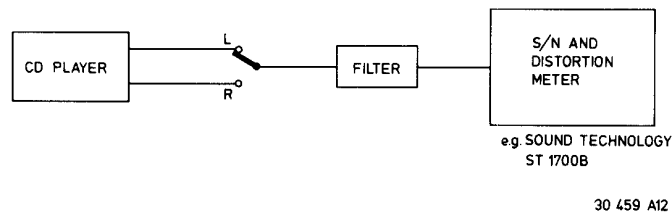
Step	Signal	Mode					Remarks
1	-	Power on no disc	-	R3568	-	-	adjust for optical mid-position of the focus motor
2	FE LAG	Play Test disc 5 Track 1	27	R3568	400mV ± 40 mV DC	-	fine adjustment

T-22811D

## SPECIFICATIONS MEASUREMENT

Signal	Mode				Remarks
BU2-L	Test disc 3, play total harmonic distortion	filter output	See spec.		See drawing 30459A12
BU2-R	Test disc 3, play total harmonic distortion	filter output	See spec.		See drawing 30459A12
BU2-L	Test disc 3, play signal-to-noise ratio	filter output	See spec.		See drawing 30459A12
BU2-R	Test disc 3, play signal-to-noise ratio	filter output	See spec.		See drawing 30459A12

T-222550



## ERROR TABLE

## System errors

**Er 02:**  $\overline{TL}$  pulse is missing during start-up. Check the  $\overline{TL}$  signal, the HF-signal and the Photodiode signal processor. (Starting error)

**Er 03:** Lead-in track not found. Check the disc used. Check also that the radial arm rests against the inside. Check the RE-dig signal and the Radial error processor. (Starting error)

**Er 05:**  $\overline{TL}$  pulse is low for more than 50 msec. Check the disc used. Check the HF-in signal and the photodiodes (Error during PLAY)

**Er 06:** No  $\overline{TL}$  pulse received within 0.5 sec. in case of track jumping. Check the RE-lag circuit. (Error during SEARCH or NEXT/PREVIOUS)

**Er 07:** Subcode error. In case of track loss during play the information of the subcode is used to determine the place of the last information that was still well readable. In case of an interruption of HF or other signals, this will lead to Er 07. (Error during PLAY)

**Er 08:** TOC error (Table of Contents). Check the quality of the disc used. Check the initial speed of the turntable motor and the motor control. Check also that the radial arm rests against the inside. (Starting error)

## Operating errors

**Er 30:** NEXT when repeat is off.

**Er 31:** PREVIOUS when repeat is off.

**Er 32:** INDEX selected when no track selected.

**Er 33:** Selected index does not exist on this CD.

**Er 34:** Review error: no program.

**Er 35:** Program memory full.

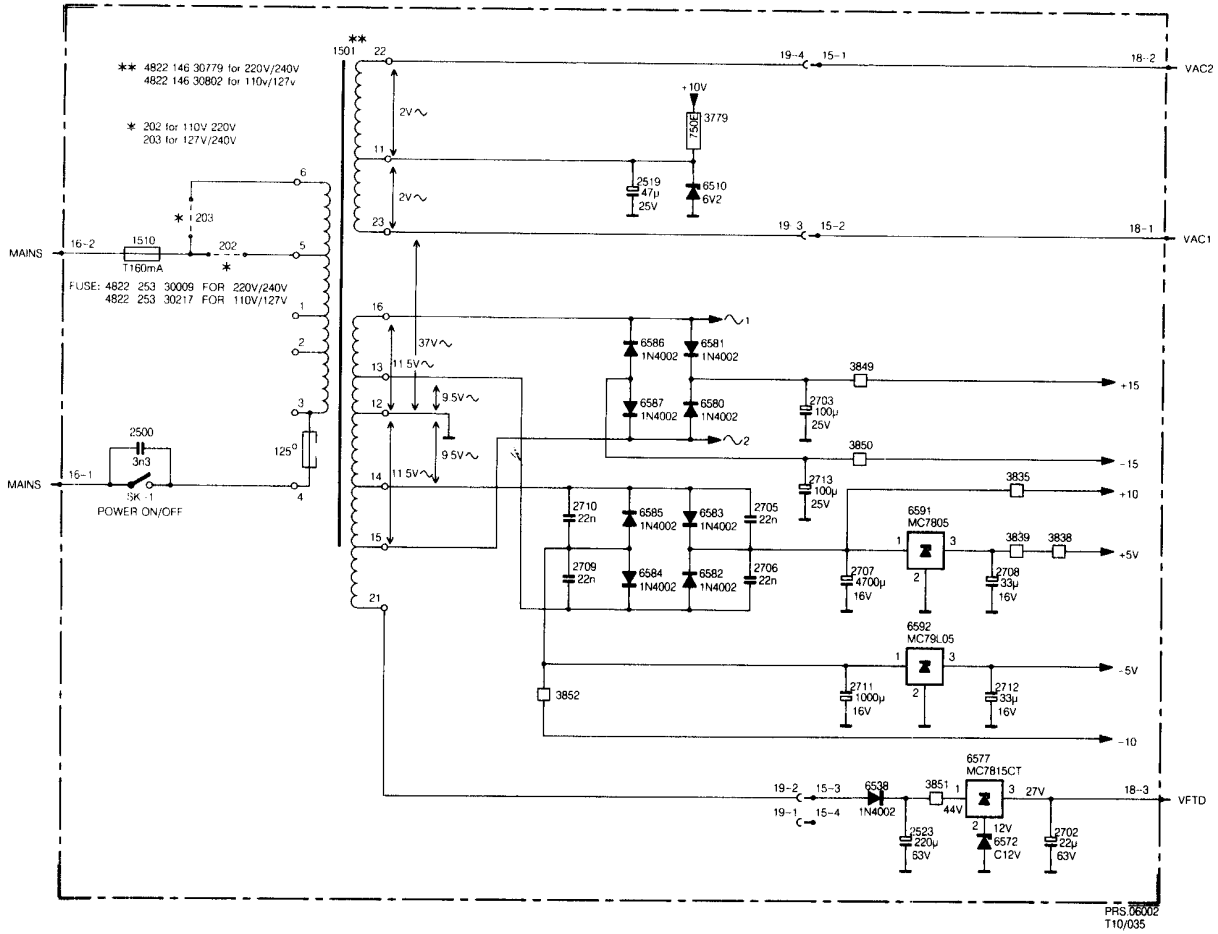
**Er 36:** Programmed track is non existing on this CD.

**Er 37:** Selected track is non existing on this CD.

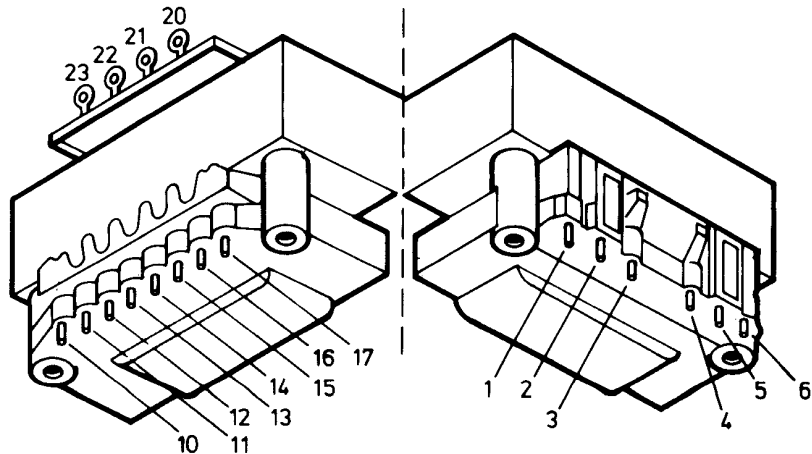
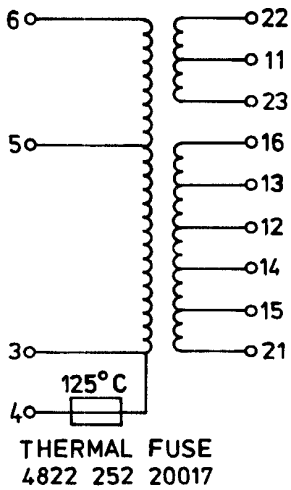
**Er 60:** Fast forward bound.

**Er 61:** Fast reverse bound.

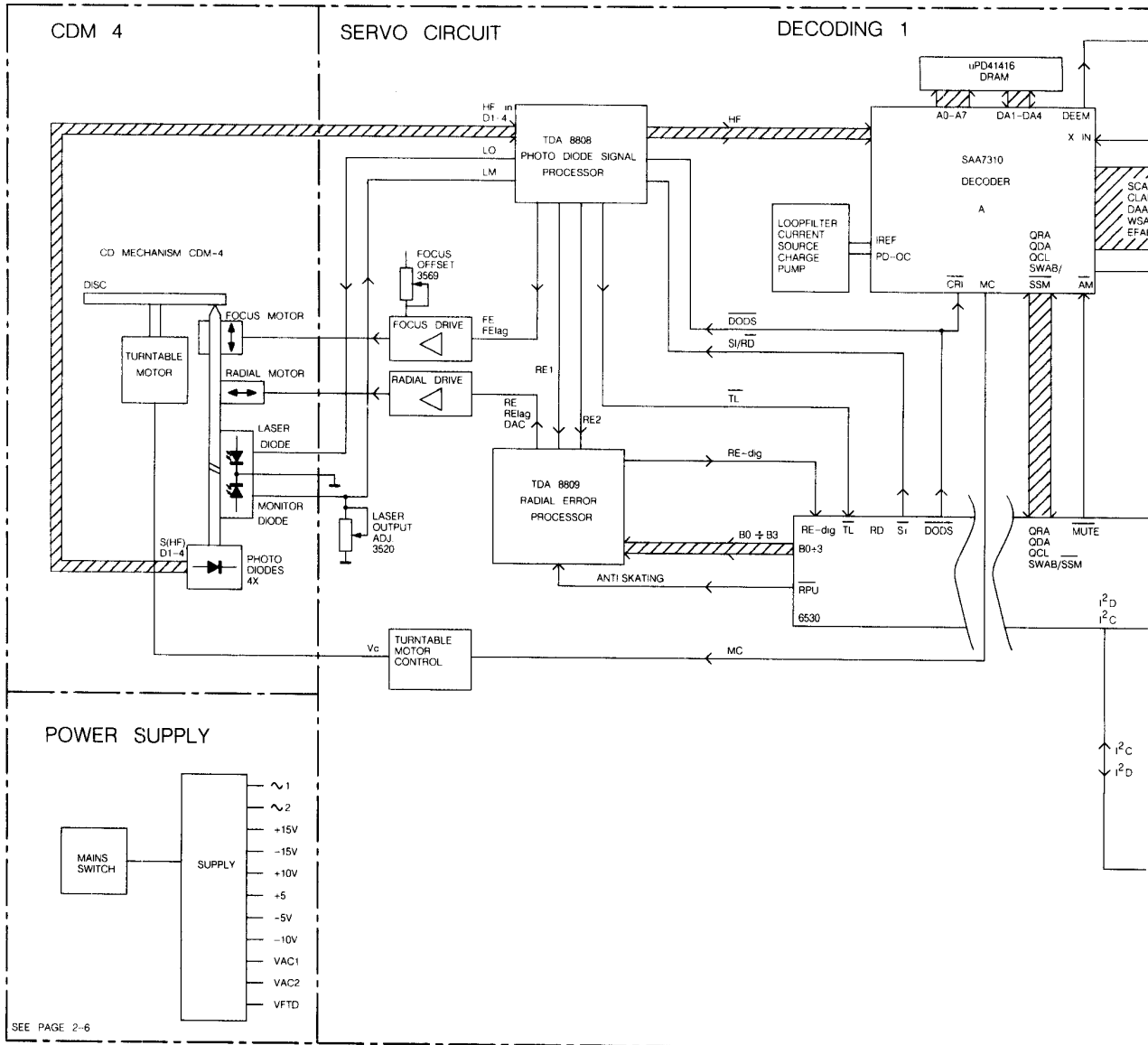
POWER SUPPLY



TRANSFORMER CONNECTIONS



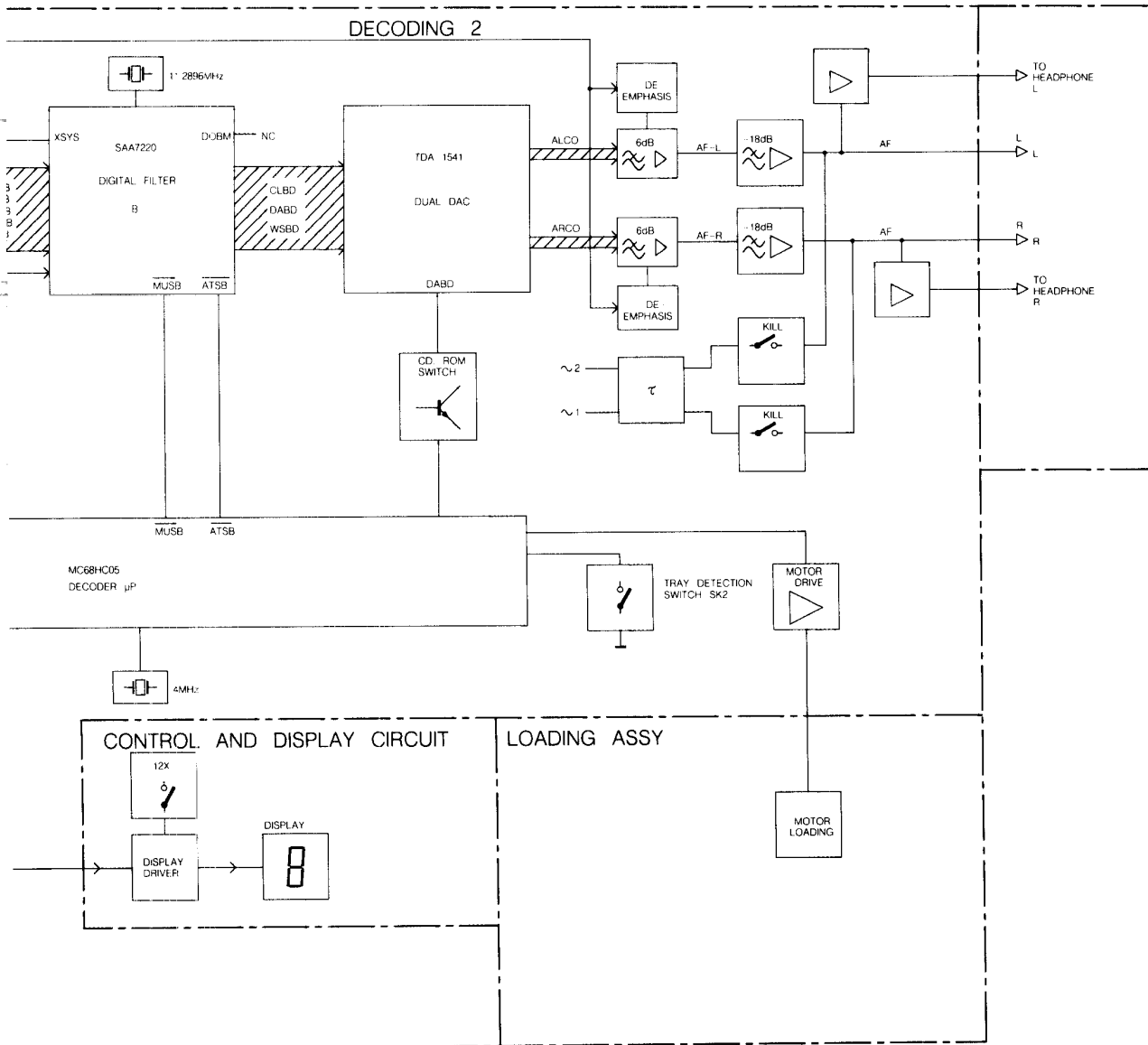
# BLOCK DIAGRAM



SEE PAGE 2-6

- |            |  |        |   |
|------------|--|--------|---|
| AGC        | - Automatic Gain Control                                   | Rosc   | - Resistor wobble oscillator  |
| B0-B3      | - Control bits for radial circuit                          | Rwob   | - Wobble generator input  |
| BEQ        | - Equalizer reference current input                        | RE1    | - Radial error signal 1 (summation of amplified currents $D_3$ and $D_4$ )                          |
| BGC        | - DC and LF gain control reference input                   | RE2    | - Radial error signal 2 (summation of amplified currents $D_1$ and $D_2$ )                          |
| Cosc1      | - Capacitor wobble oscillator                              | RE dig | - Radial error digital  |
| Cosc2      | - Capacitor wobble oscillator                              | RE lag | - Radial error signal for LAG network   |
| DEC        | - Decoupling input of inkruat bypass                       | Sc     | - Starting up capacitor input   |
| DET        | - HF detector voltage input                                | Si/RD  | - On/off control for laser supply and focus circuit. Ready signal, Starting up procedure succesful. |
| DIV4       | - Divide by 4 input  | TL     | - Track loss output signal  |
| DODS       | - Drop out detector suppression                            | TTM-   | - Control voltage for turntable motor   |
| D1+4       | - Photodiode currents                                      | TTM+   | - Control voltage for turntable motor   |
| FE         | - Focus error signal                                       | Vext-  | - Supply connection   |
| FE lag     | - Focus error signal for LAG network                       | Vext+  | - Supply connection   |
| HF         | - HF output for DEMOD                                      | TCMP   | - Turntable control motor pulse   |
| HFD        | - HF detector output for DEMOD                             |        |   |
| HF-in      | - HF current input to HF amplifier                         |        |   |
| HF-out     | - HF amplifier and equalizer voltage output                |        |   |
| LM         | - Laser monitor diode input                                |        |   |
| LO         | - Laser amplifier current output                           |        |   |
| MC         | - Motor control signal                                     |        |   |
| offset IN  | - Offset control input                                     |        |   |
| offset OUT | - Offset control output                                    |        |   |
| PLLH       | - PLL on hold output                                       |        |   |
| RADout     | - output of RE2-RE1 input                                  |        |   |
| RE         | - Radial error signal (Amplified $RE_2$ - $RE_1$ currents) |        |   |





PRS 05151  
T-26/038

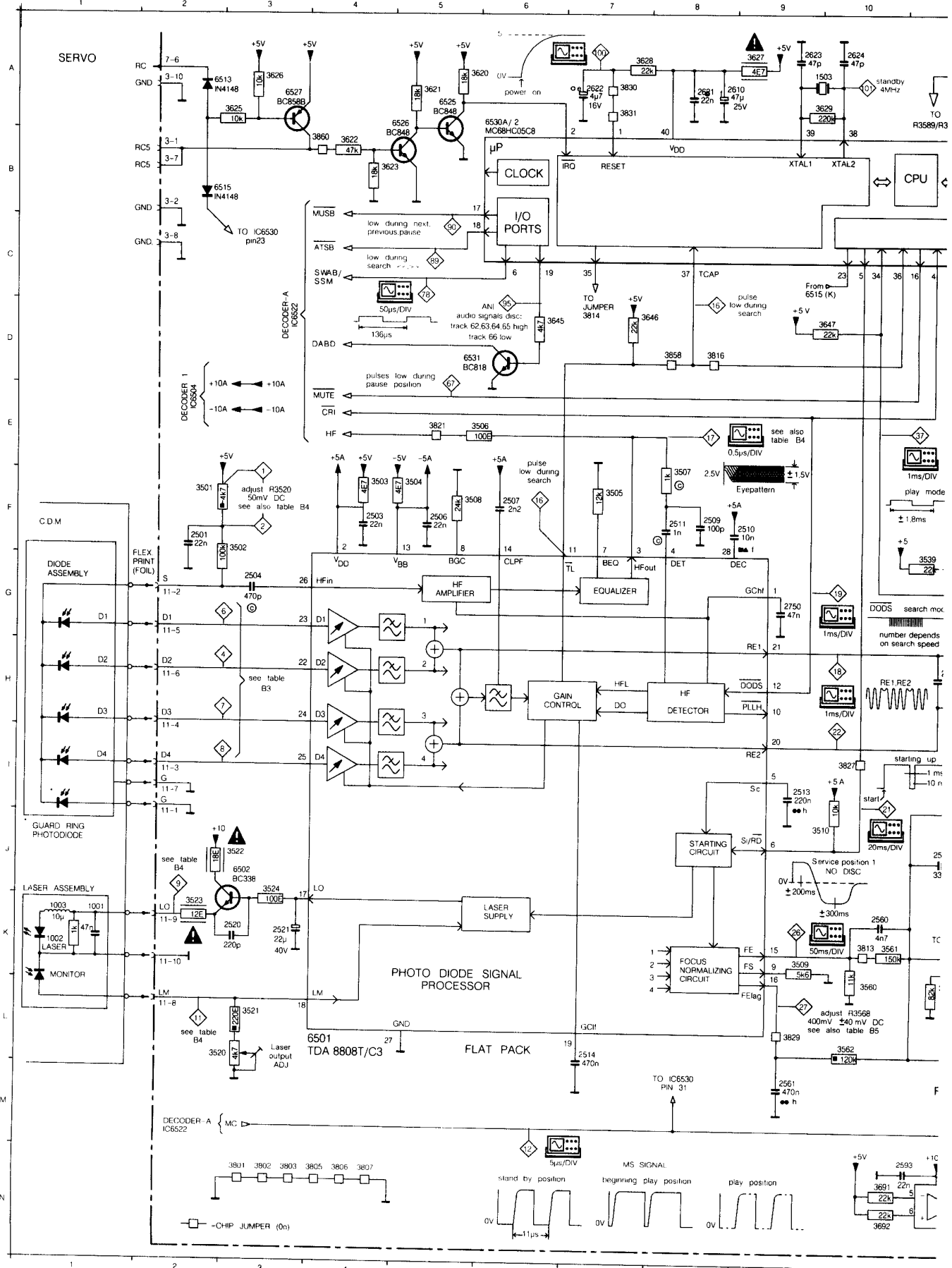
- ATSB - Attenuation of Audio level in Search position (Cueing)
- CD ROM Switch - Digital Data information on disc signal
- CEFM - Clock Eight-to-Fourteen Modulator
- CLAB - Clock signal Decoder-A to Filter-B
- CLBD - Clock signal Filter-B to DAC
- CREF - Reference Current
- CRI - Counter Reset Inhibit
- DAAB - Data signal Decoder-A to Filter-B
- DABD - Data signal Filter-B to DAC
- DEEM - Deemphasis
- DOBM - Digital out signal
- EFAB - Error flag Decoder-A to Filter-B
- MUTE - Mute signal

- MUSB - Soft Mute signal
- PD/OC - Phase detector - oscillator control
- QCL - Q-channel Clock signal
- QDA - Q-channel Data signal
- QRA - Q-channel Request Acknowledge
- SCAB - Subcode clock Decoder-A to Filter-B
- SDAB - Subcode data Decoder-A to Filter-B
- SWAB/SSM - Subcode Word/Start-stop motor signal
- WSAB - Word select Decoder-A to Filter-B
- WSBD - Word Select Filter-B to DAC
- XIN - Oscillator signal in Decoder-A
- XSYS - Oscillator signal out Filter-B

# SERVO CIRCUIT DIAGRAM

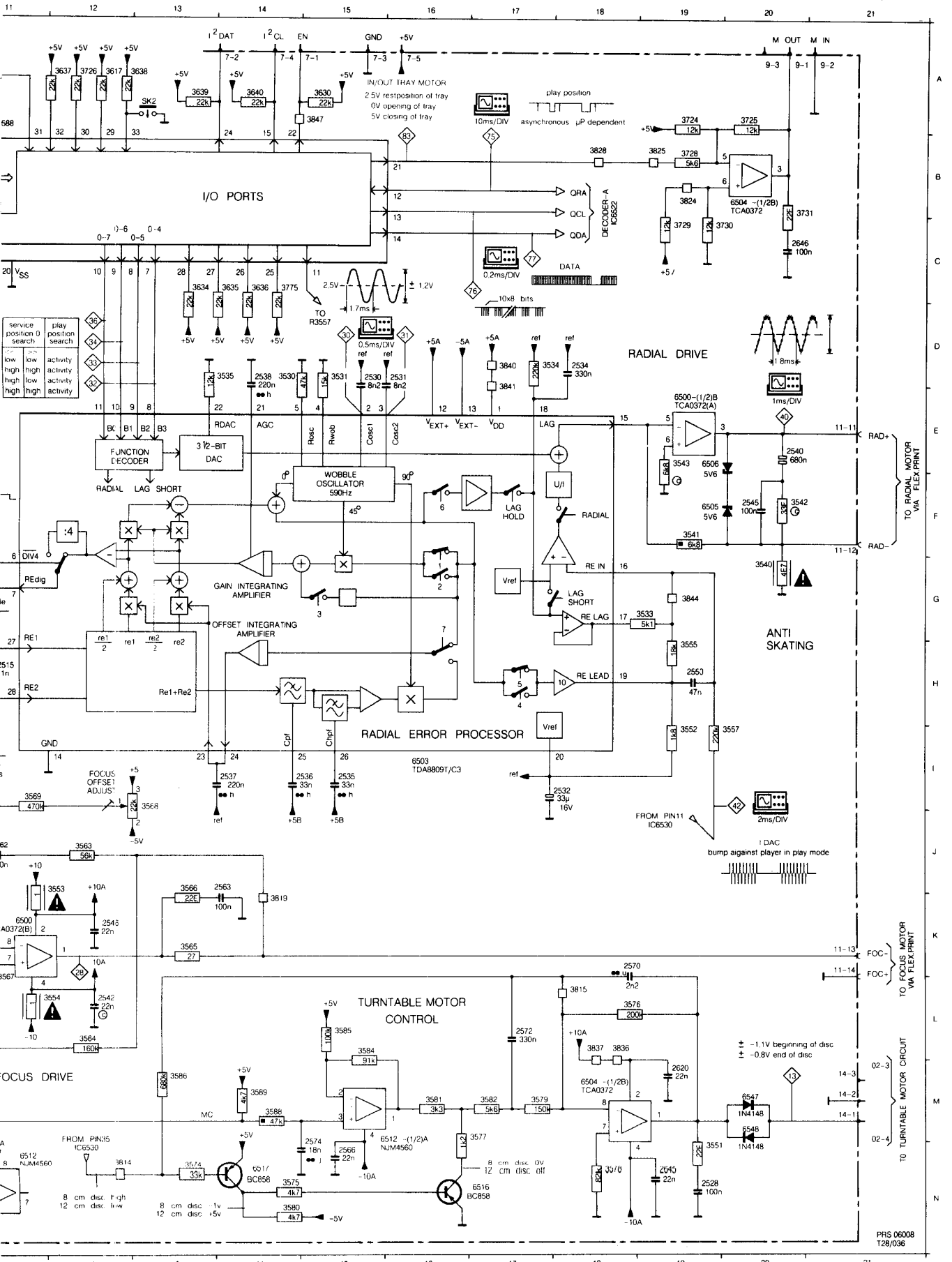
3-4b

SK2 A13	2504 G3	2514 L7	2532 I18	2542 L12	2563 J14	2620 M19	2750 G9	3507 F8	3523 K2	3539 G11	3553 J12	3563 J12	35
1001 K1	2506 F5	2515 H11	2534 D18	2545 F20	2566 N15	2621 A8	3501 F2	3508 F5	3524 J3	3540 G20	3554 L11	3564 L12	35
1002 K1	2507 F6	2520 K3	2535 I15	2546 K12	2570 K18	2622 A7	3502 F3	3509 K9	3530 D14	3541 F19	3555 H19	3565 K13	35
1003 K1	2509 F8	2521 K3	2536 I14	2550 H19	2572 L17	2623 A9	3503 F4	3510 J9	3531 D15	3542 F20	3557 I20	3566 J13	35
1503 A9	2510 F9	2528 N19	2537 I14	2560 K10	2574 N15	2624 A10	3504 F5	3520 L3	3533 G19	3543 E19	3560 L10	3567 L11	35
2501 F2	2511 F8	2530 D15	2538 D14	2561 M9	2593 N11	2645 N19	3505 F7	3521 L3	3534 D17	3551 N19	3561 K10	3568 I13	35
2503 F4	2513 I9	2531 D16	2540 E20	2562 J11	2610 A8	2646 C20	3506 E5	3522 J3	3535 D14	3552 I19	3562 L10	3569 I11	35

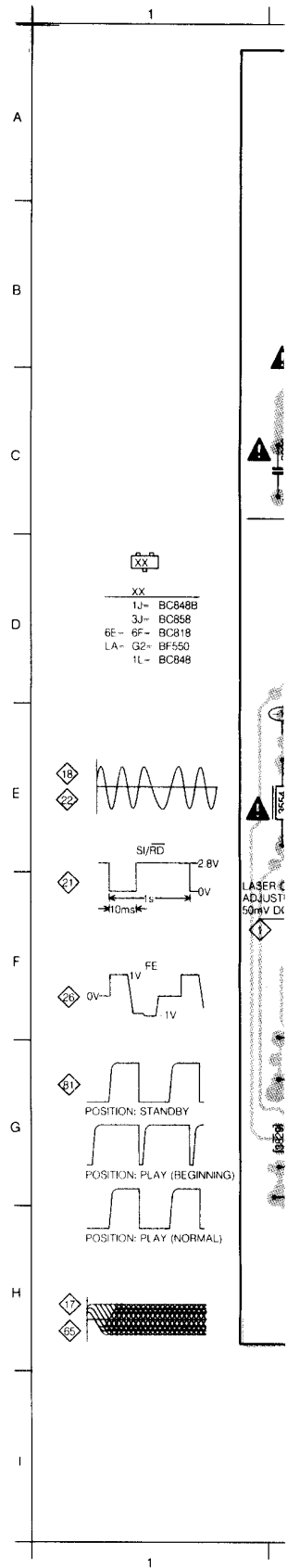


3-4b

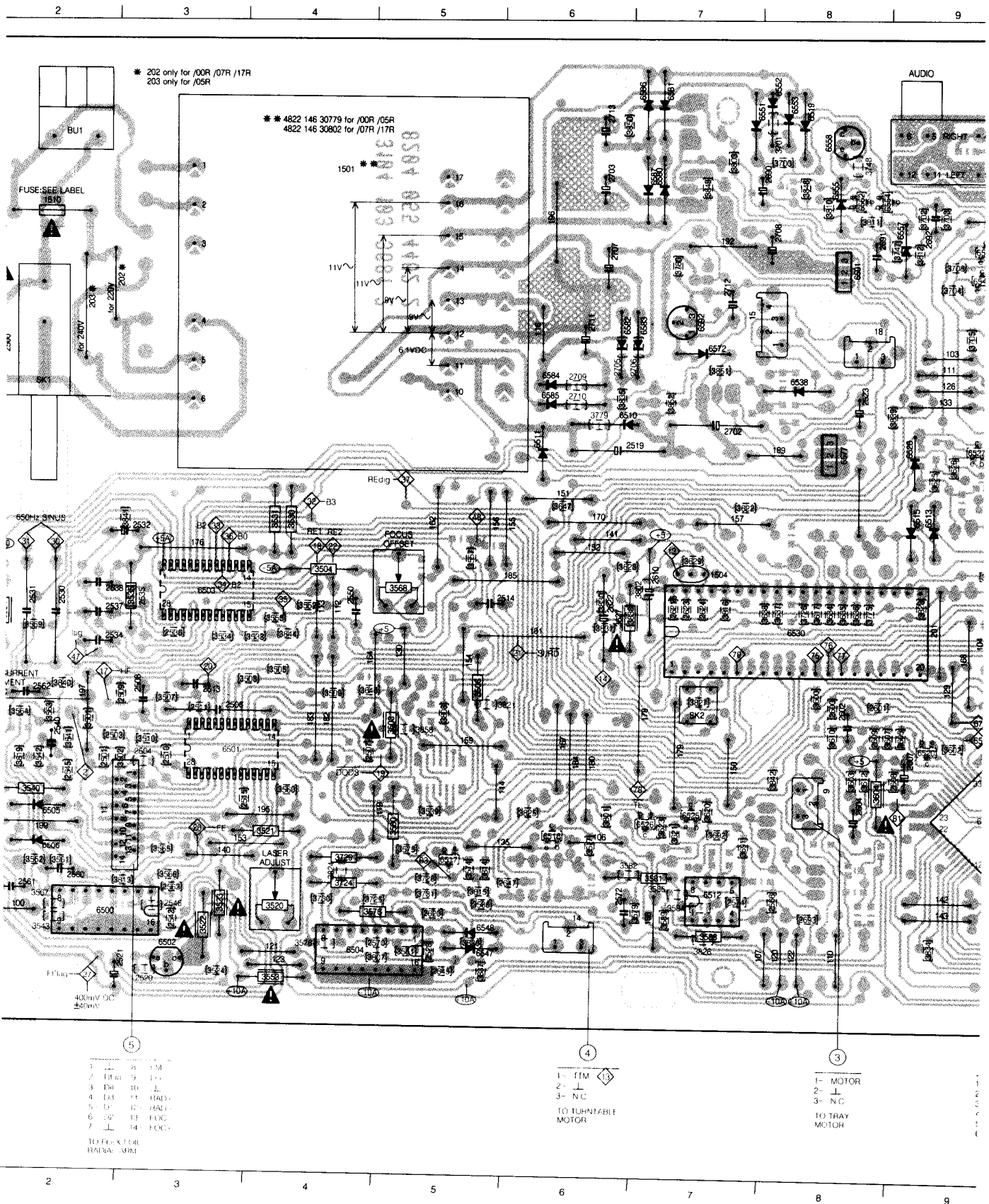
74 N13	3581 M16	3617 A12	3627 A9	3637 A12	3691 N10	3730 C19	3806 N4	3821 E5	3831 A7	3858 D8	6504 M18	6516 N17	6547 M20
75 N14	3582 M17	3620 A5	3628 A7	3638 A12	3692 N10	3731 B20	3807 N4	3824 B19	3836 L18	3860 B4	6505 F19	6517 N14	6548 M20
76 L18	3584 L15	3621 A5	3629 A9	3639 A13	3724 A19	3775 C14	3813 K10	3825 B19	3837 L18	6500 E19	6506 E19	6525 A5	
77 M17	3585 L15	3622 B4	3630 A15	3640 A14	3725 A20	3801 N3	3814 N12	3827 L10	3840 D17	6500 K11	6512 N11	6526 A5	
78 N18	3586 M13	3623 B4	3634 C13	3645 D5	3726 B19	3803 N3	3815 L18	3828 B18	3841 E17	6502 J3	6512 N15	6527 A3	
79 M17	3588 M14	3625 A3	3635 C14	3646 D7	3729 C19	3805 N4	3816 D8	3829 L9	3844 G19	6503 I16	6513 A2	6530 A6	
80 N14	3589 M14	3626 A3	3636 C14	3647 D10			3819 K14	3830 A7	3847 A15	6504 B20	6515 B2	6531 D5	



MAIN PANEL COMPONENTS



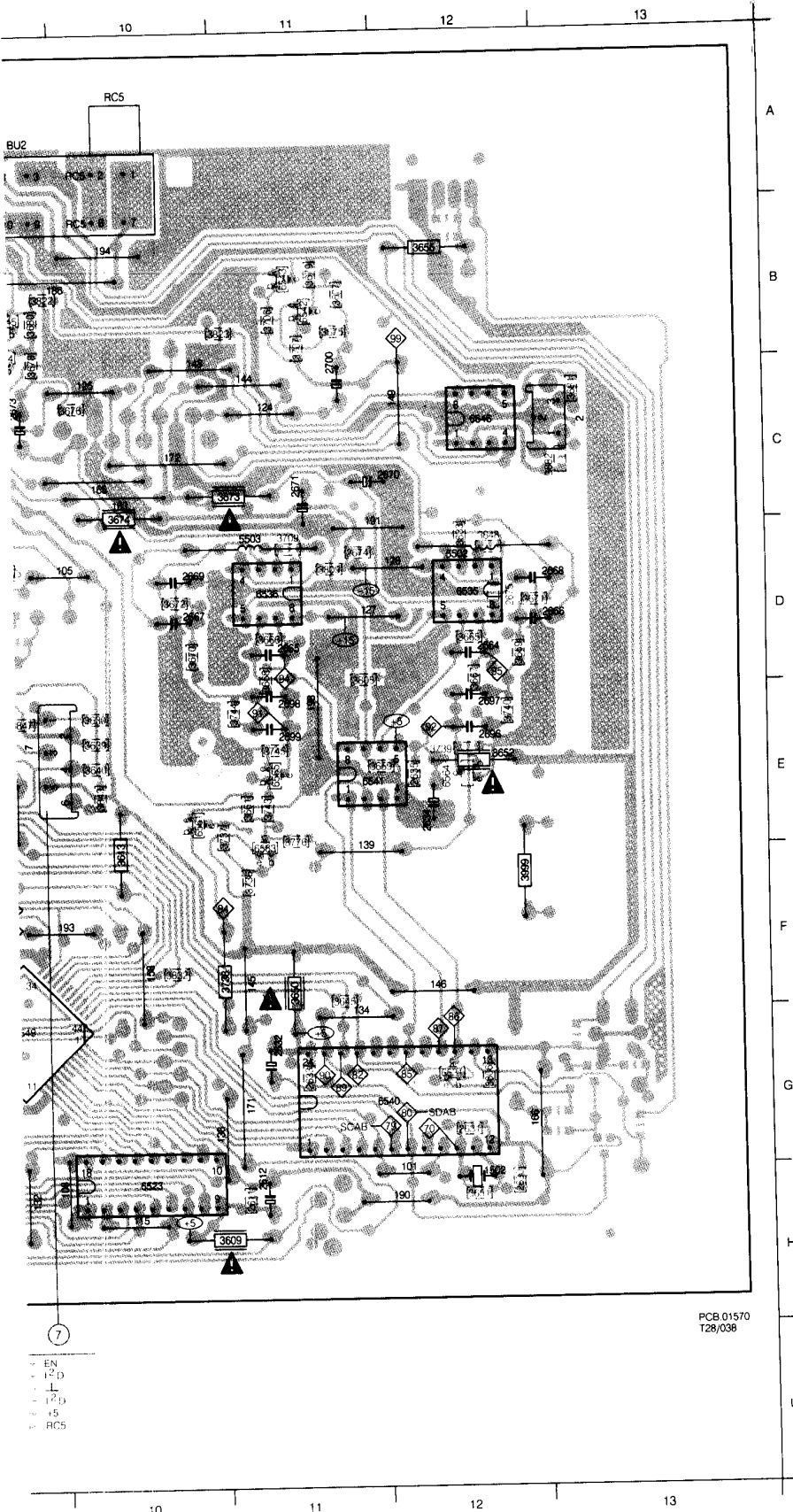
VT SIDE FOR PANELS MARKED WITH 3104 103 3681.2



- TO FAX: 1 800 448 8888  
 FAX: 904 242 1234
- 1- 10
  - 2- 10
  - 3- 10
  - 4- 10
  - 5- 10
  - 6- 10
  - 7- 10

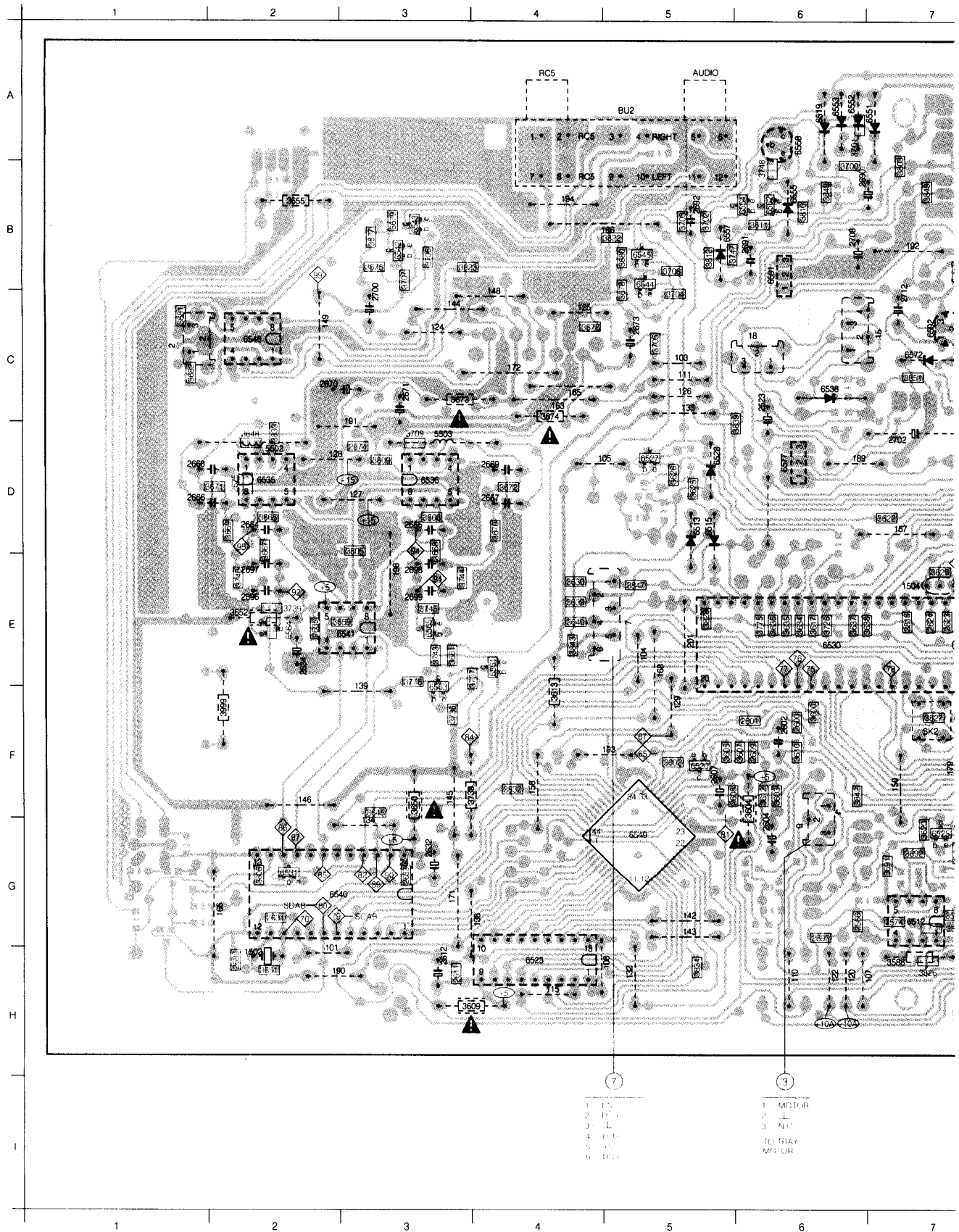
- 1- FIM
  - 2- L
  - 3- NC
- TO TURNABLE MOTOR

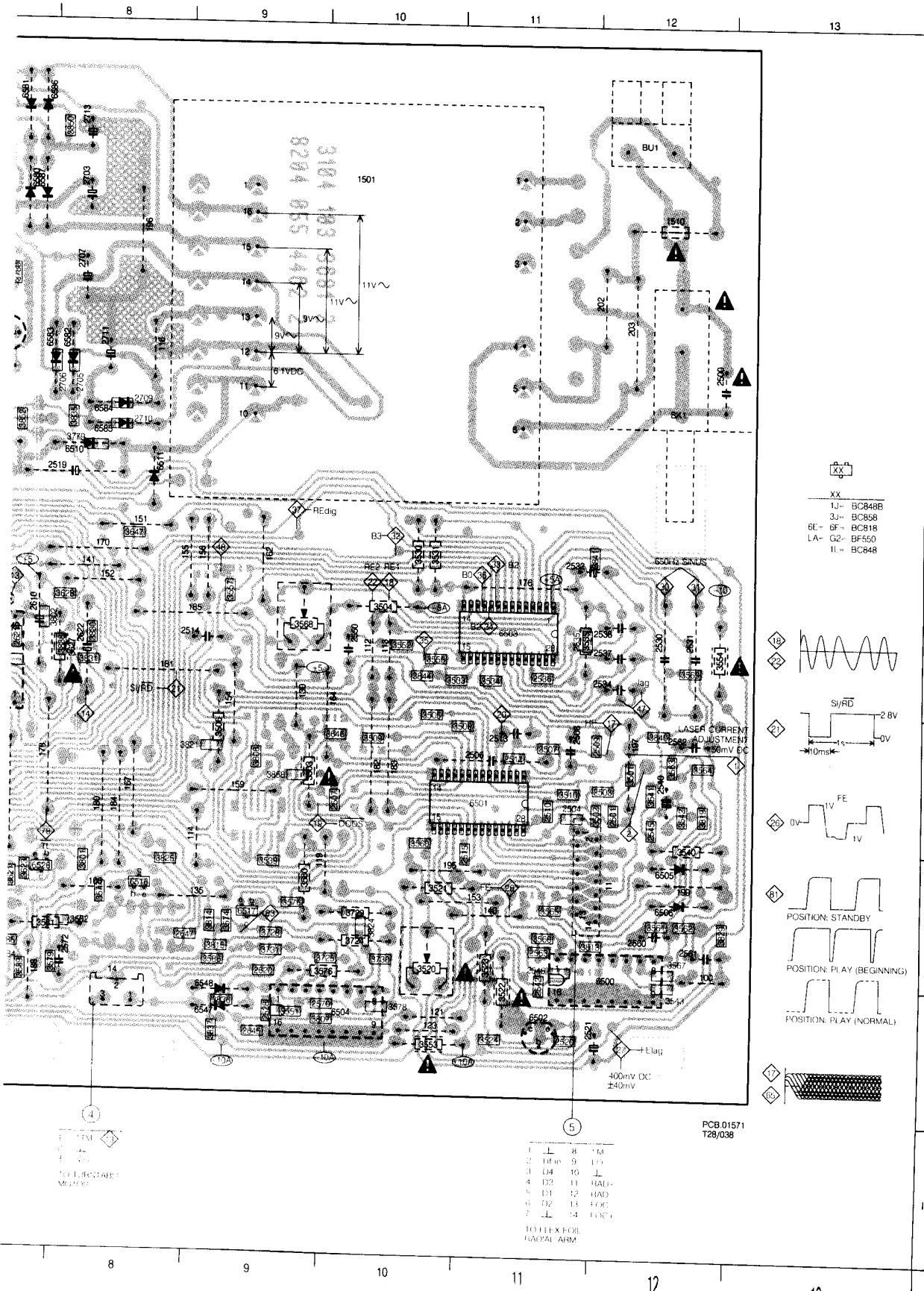
- 1- MOTOR
  - 2- L
  - 3- NC
- TO TRAY MOTOR



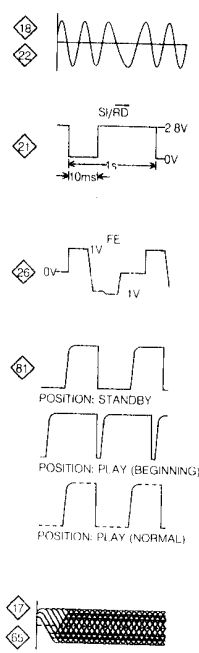
2 C13	2537 E2	3603 F8	3844 E4
7 E9	2538 E2	3604 F8	3847 E8
9 G8	2540 F2	3605 F9	3848 B9
11 G2	2542 H3	3607 F8	3849 B7
14 G6	2545 F2	3609 H10	3850 A6
15 C7	2546 G3	3610 F8	3851 C7
18 C8	2550 F4	3612 F8	3852 C7
100 G2	2560 G2	3613 F10	3858 F5
101 H12	2561 G2	3617 E8	3999 F12
103 C9	2562 F2	3620 G7	5502 D12
104 E9	2563 G3	3621 G7	5503 D11
105 D9	2566 G8	3622 D7	6500 G2
106 G6	2570 H4	3623 G7	6501 F3
107 H8	2572 G6	3625 D9	6502 H3
108 H10	2574 G7	3626 D9	6503 E3
110 H8	2600 F8	3627 E6	6504 H4
111 C9	2601 F8	3628 E6	6505 G2
112 E4	2602 F8	3629 E7	6506 G2
113 E4	2604 G8	3630 E10	6510 D6
114 G6	2607 F9	3634 E8	6511 D6
115 H10	2608 F9	3635 E8	6512 G7
116 C6	2609 F8	3636 E8	6513 D9
119 G5	2610 E7	3637 E8	6515 D9
120 H8	2611 H11	3638 E8	6516 G6
121 H4	2612 H11	3639 E10	6519 A8
122 H8	2620 G5	3640 E10	6520 F9
123 H4	2621 E7	3645 F11	6523 H10
124 C11	2622 E6	3646 F4	6523 G12
125 C10	2623 E7	3647 D6	6526 G7
126 C9	2624 E7	3648 D12	6527 D9
127 D11	2630 H12	3650 F11	6528 D9
128 H11	2631 G12	3651 H12	6530 E8
129 F9	2632 G11	3652 E12	6531 G12
130 E5	2633 G11	3655 B12	6535 D12
132 H9	2634 E12	3659 E11	6536 D11
133 C9	2635 E12	3659 E11	6538 C8
134 G11	2645 H5	3665 D11	6540 G11
135 G5	2647 G5	3666 D11	6541 E11
138 G10	2664 D12	3667 E12	6542 B11
139 F11	2665 D11	3668 E11	6543 B11
140 G3	2666 D13	3669 D12	6544 B9
141 D6	2667 D10	3670 D10	6545 B9
142 G9	2668 D13	3671 D12	6546 C12
143 G9	2669 D10	3672 D10	6547 H5
144 C11	2670 C12	3673 C11	6549 G9
145 F11	2671 C11	3674 C10	6551 A7
146 E12	2673 C9	3675 C11	6552 A8
148 C10	2674 D11	3676 C10	6553 A8
149 C12	2675 D12	3677 B11	6554 A8
150 F7	2690 B8	3678 C9	6555 B8
151 D6	2691 B8	3679 B11	6557 B9
152 E6	2692 B9	3680 B9	6558 A8
153 G3	2693 C6	3681 C13	6561 E10
154 E5	2696 F12	3682 C13	6562 B8
155 D6	2697 E12	3691 G7	6563 F11
156 D5	2698 E11	3692 G7	6564 E12
157 D7	2699 E11	3700 B8	6565 E11
158 F10	2700 C11	3701 A8	6572 C7
159 F5	2702 D7	3702 B9	6577 D8
162 D6	2703 B6	3703 B9	6580 B7
163 C10	2705 C6	3704 C9	6581 A7
164 F4	2706 C7	3705 C9	6582 C6
165 C10	2707 B6	3706 B11	6583 C7
166 G12	2708 B8	3707 B11	6584 C6
167 F6	2709 C6	3708 B9	6585 C6
168 E9	2710 C6	3709 D11	6586 A7
170 D6	2711 C6	3724 G4	6591 B8
171 G11	2712 C7	3725 G4	6592 C7
172 C10	2713 A6	3726 E8	
176 E3	3501 F2	3728 G5	
178 F7	3502 F3	3729 G4	
179 F7	3503 F5	3730 G4	
180 F6	3504 E4	3731 G5	
181 E6	3505 F4	3736 F11	
182 F4	3506 F5	3737 F11	
183 F4	3507 F3	3738 F11	
184 F6	3508 F3	3739 E12	
185 E5	3509 F4	3740 E12	
186 B9	3510 F3	3743 E11	
188 H7	3520 G4	3744 E11	
188 D8	3521 G4	3745 E11	
190 H11	3522 H3	3747 B9	
191 D11	3523 G3	3748 B8	
192 B7	3524 H3	3775 E8	
193 F9	3530 D4	3776 E11	
194 B10	3531 D4	3777 D6	
195 B3	3532 G3	3780 B7	
196 B6	3534 E3	3801 G6	
197 F2	3535 E3	3802 E7	
198 E11	3539 G5	3803 B7	
199 G2	3540 G2	3805 D11	
201 E9	3541 F2	3806 G12	
202 C3	3542 F2	3807 H4	
203 C2	3543 H2	3808 F5	
BU1 A2	3551 H5	3809 D11	
BU2 A9	3552 E4	3810 B9	
SK1 C2	3553 H4	3811 B8	
SK2 F7	3554 E2	3812 B9	
1501 B4	3555 E4	3813 G2	
1502 H12	3557 E5	3814 G5	
1504 E7	3560 F4	3815 G5	
1510 B2	3561 G2	3816 E7	
2500 C2	3562 G2	3819 F2	
2501 F2	3563 F2	3821 F5	
2503 F2	3564 F2	3822 B9	
2504 F3	3565 G3	3823 B10	
2506 F3	3566 G3	3824 G4	
2507 F4	3567 G2	3825 G6	
2508 F3	3568 E5	3826 H7	
2509 F3	3569 E2	3827 F7	
2510 F3	3574 G5	3828 E9	
2511 F3	3575 G5	3829 G2	
2513 F3	3576 G4	3830 E6	
2514 E5	3577 G6	3831 E6	
2515 G3	3578 H4	3832 F10	
2519 D6	3579 G7	3833 D12	
2520 H3	3580 G5	3834 H9	
2521 H3	3581 G7	3835 C6	
2523 C8	3582 G6	3836 H5	
2528 H5	3584 G7	3837 H5	
2530 E2	3585 G7	3838 E6	
2531 E2	3586 G5	3839 D9	
2532 D3	3588 H7	3840 F2	
2534 E2	3589 H7	3841 D3	
2535 E3	3600 F8	3842 F8	
2536 E3	3602 F9	3843 E10	

MAIN PANEL SOLDER SIDE FOR PANELS MARKED WITH 3104 103 3681.2





XX	BC848B
1J-	BC848B
3J-	BC856
6E-	BC818
LA-	BF550
II-	BC848



TO FLEX FOR OPTICAL ARM

- 1. 1.1 8. 11M
- 2. 1.1 9. 11P
- 3. 04 10. 11L
- 4. 03 11. 11AD
- 5. 01 12. 11AD
- 6. 02 13. 11OC
- 7. 1.1 14. 11OC

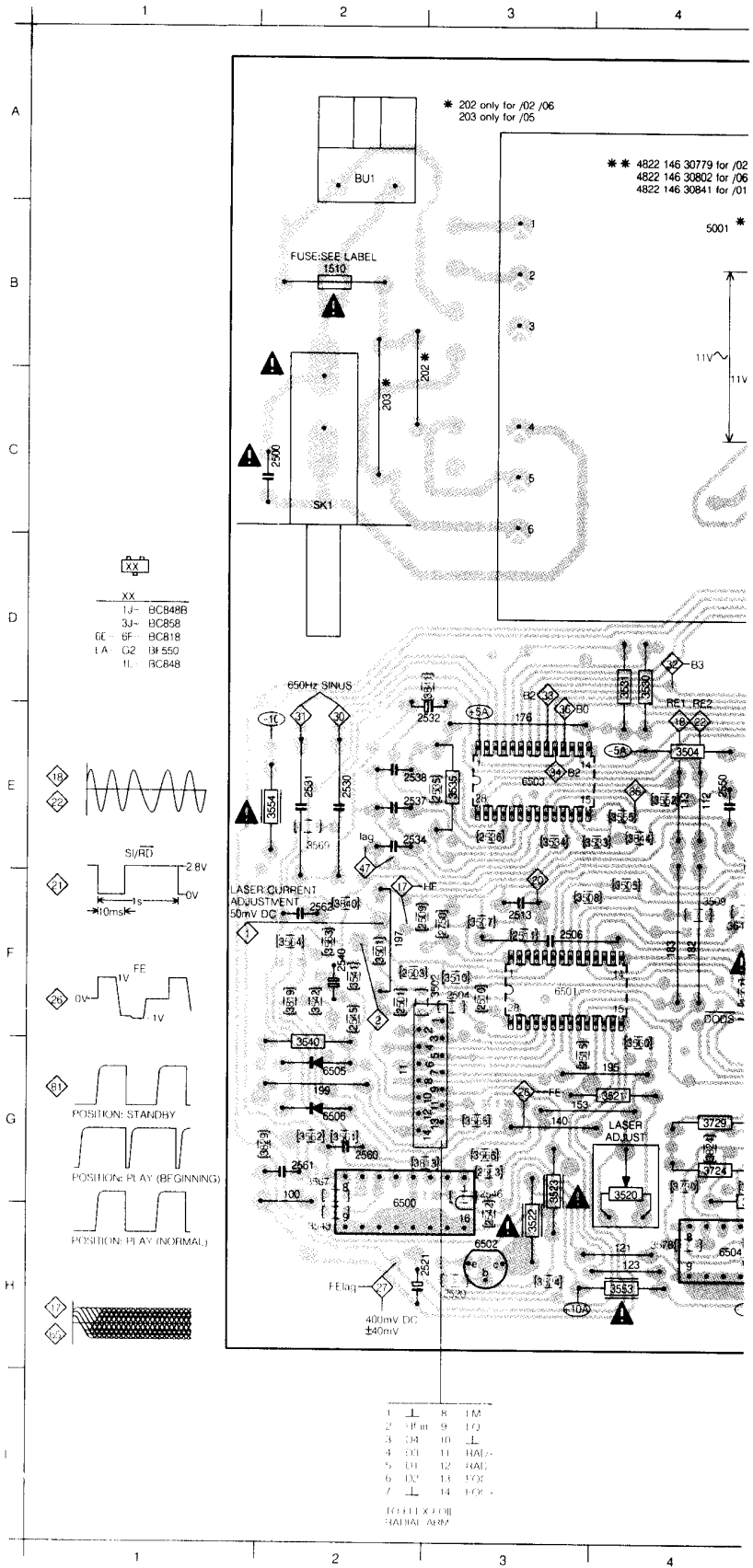
PCB 01571  
T28/036

2	C1
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9	G6
11	G12
14	G8
15	C7
18	C6
100	G12
101	H2
103	C5
104	E5
105	D4
106	G8
107	H7
108	H5
110	H6
111	C5
112	E10
113	E10
114	G9
115	H4
116	C8
119	G9
120	H6
121	H10
122	H6
123	H10
124	C3
125	C4
126	C5
127	D3
128	D2
129	F5
130	E9
132	H5
133	C5
134	G3
135	G8
138	G4
139	F3
140	G11
141	D8
142	G5
143	G5
144	C3
145	F3
146	F2
148	C4
149	C2
150	F7
151	D8
152	E8
153	G11
154	F9
155	D8
156	D9
157	D7
158	F4
159	F9
162	D9
163	C4
164	F10
165	D7
166	G2
167	F8
168	E5
170	D8
171	G3
172	C4
176	E11
178	F7
179	F7
180	F8
181	E8
182	F10
183	F10
184	F8
185	E8
186	B4
188	H7
189	D6
190	H2
191	D2
192	B7
193	F4
194	B4
195	G10
196	B8
197	F12
198	E3
199	G12
201	E5
202	C12
203	C12
BU1	A12
BU2	A5
SK1	C12
SK2	F7
1501	B10
1502	H2
1504	E7
1510	B12
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2501	F12
2503	F11
2504	F11
2506	F11
2507	F10
2508	F11
2509	F12
2510	F11
2511	F11
2513	F11
2514	E8
2515	G11
2519	D7
2520	H11
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2523	C6
2528	H9
2530	E12
2533	E12
2533	D11
2534	E11
2535	E11



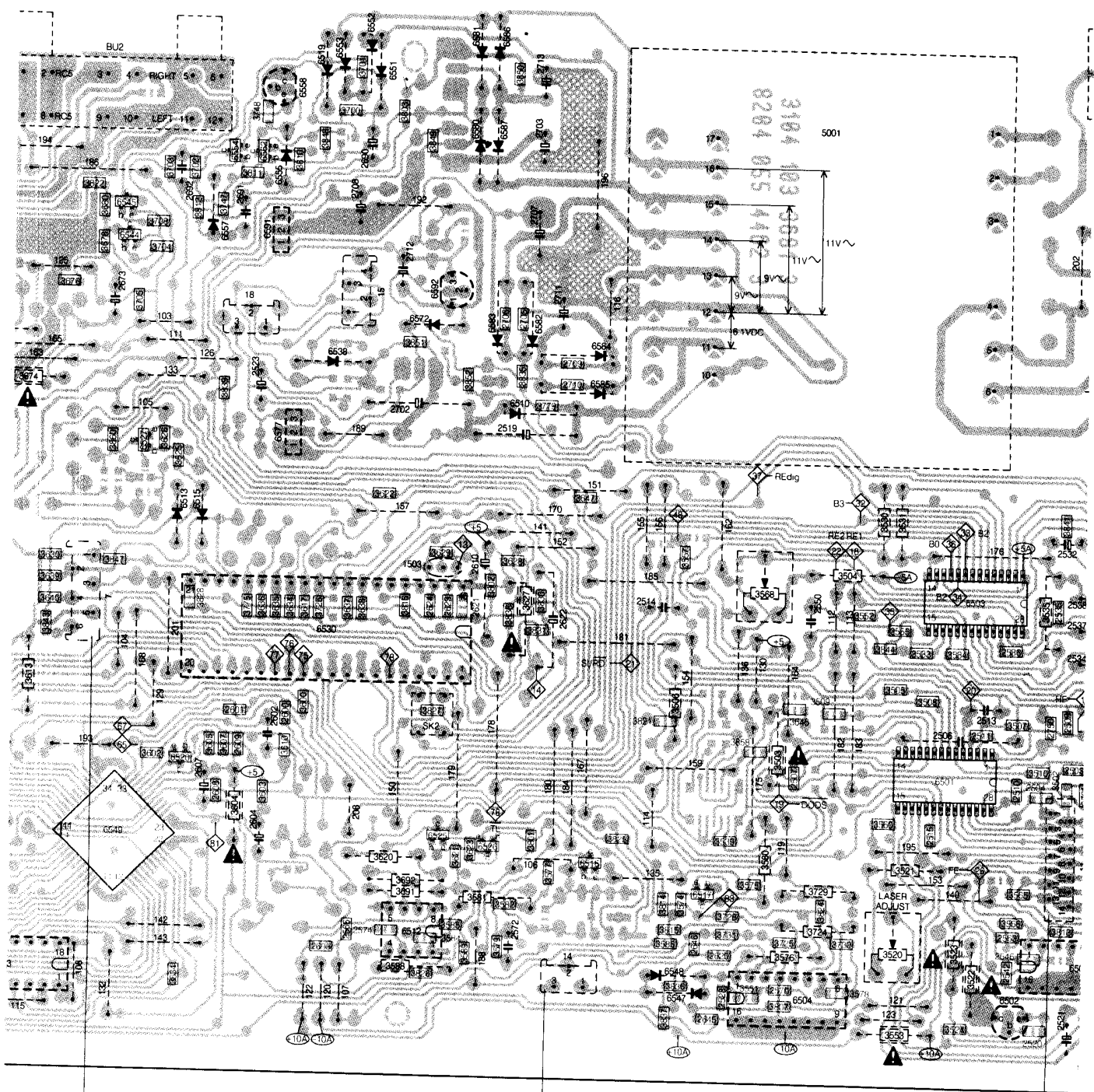
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:542	H11	3605	F5	3847	E5
:545	F12	3607	F6	3848	B6
:546	G11	3609	H3	3849	B7
:550	E10	3610	F6	3850	A8
:560	G12	3612	F6	3851	C7
:561	G12	3613	F4	3852	C7
:562	F12	3617	E6	3858	F9
:563	G11	3620	G7	3999	F2
:566	G6	3621	G7	5502	D2
:570	H9	3622	D7	5503	D3
:572	G8	3623	G7	5500	G12
:574	G7	3625	D5	6501	F11
:600	F6	3626	D5	6502	H11
:601	F6	3627	E8	6503	E11
:602	F6	3628	E7	6504	H10
:604	G6	3629	E7	6505	G12
:607	F5	3630	E4	6506	G12
:608	F6	3634	E6	6510	D8
:609	F6	3635	E6	6511	D8
:610	E7	3636	E6	6512	G7
:611	H3	3637	E5	6513	D5
:612	H3	3638	E7	6515	D5
:620	G9	3639	E4	6516	G8
:621	E7	3640	E4	6517	G9
:622	E8	3645	F3	6519	A6
:623	E7	3646	F9	6520	F5
:624	E7	3647	D8	6523	H4
:630	H2	3648	D2	6525	G7
:631	G2	3650	F3	6526	G7
:632	G3	3651	H2	6527	D5
:633	G3	3652	E2	6528	D5
:634	E2	3655	B2	6530	E6
:635	E2	3659	E2	6531	G2
:645	H9	3661	E3	6535	D2
:647	G8	3665	D2	6536	D3
:664	D2	3666	D3	6538	C6
:665	D3	3667	E2	6540	G2
:666	D1	3668	E3	6541	E2
:667	D4	3669	D2	6542	B3
:668	D1	3670	D4	6543	B3
:669	D4	3671	D1	6544	B5
:670	C2	3672	D4	6545	B5
:671	C3	3673	C3	6546	C2
:673	C5	3674	C4	6547	H9
:674	D3	3675	B3	6548	H9
:675	D2	3676	C4	6549	G5
:690	B6	3677	B3	6551	A7
:691	B6	3678	C5	6552	A6
:692	B5	3679	B3	6553	A6
:693	G6	3680	B5	6554	B6
:696	E2	3681	C1	6555	B6
:697	E2	3682	C1	6557	B5
:698	E3	3691	G7	6558	A6
:699	E3	3692	G7	6561	E4
:700	C3	3700	B6	6562	B6
:702	D7	3701	A6	6563	F3
:703	B8	3702	B5	6564	E2
:705	C8	3703	B5	6565	E3
:706	C8	3704	C5	6572	C7
:707	B8	3705	C5	6577	D6
:708	B6	3706	B3	6580	B7
:709	C8	3707	B3	6581	A7
:710	C8	3708	B5	6582	C8
:711	C8	3709	D3	6583	C7
:712	C7	3724	G10	6584	C8
:713	A8	3725	G9	6585	D8
:501	F12	3726	E6	6586	A7
:502	F12	3728	G9	6587	B7
:503	F9	3729	G10	6591	B6
:504	E10	3730	G10	6592	C7
:505	F10	3731	G9		
:506	F9	3736	F3		
:507	F11	3737	F4		
:508	F10	3738	F4		
:509	F10	3739	E2		
:510	F11	3740	E2		
:520	G10	3743	E3		
:521	G10	3744	E3		
:522	H11	3745	E3		
:523	G11	3747	B6		
:524	H11	3748	B6		
:530	D10	3775	E6		
:531	D10	3776	E3		
:533	E10	3779	D8		
:534	E11	3780	B7		
:535	E11	3801	G8		
:539	G9	3802	E9		
:640	G12	3803	B7		
:641	F12	3805	D3		
:542	F12	3806	G2		
:543	H12	3807	H9		
:551	H9	3808	F9		
:552	E10	3809	D3		
:553	H10	3810	B6		
:554	E12	3811	B6		
:555	E10	3812	B5		
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:560	F10	3814	G9		
:561	G12	3815	G9		
:562	G12	3816	E7		
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:565	G11	3822	B4		
:566	G11	3823	B3		
:567	G12	3824	G10		
:568	E9	3825	G8		
:569	E12	3826	H7		
:574	G9	3827	F7		
:575	G9	3828	E5		
:576	G9	3829	G12		
:577	G8	3830	E8		
:578	H10	3831	E8		
:579	G8	3832	F4		
:580	G9	3833	D2		
:581	G7	3834	H5		
:582	G8	3835	C8		
:584	G7	3836	H9		
:585	G7	3837	H9		
:586	G9	3838	E8		
:588	H7	3839	D6		
:589	H7	3840	F12		

MAIN PANEL COMPONENT SIDE FOR PANELS M



3681.3

4 5 6 7 8 9 10 11

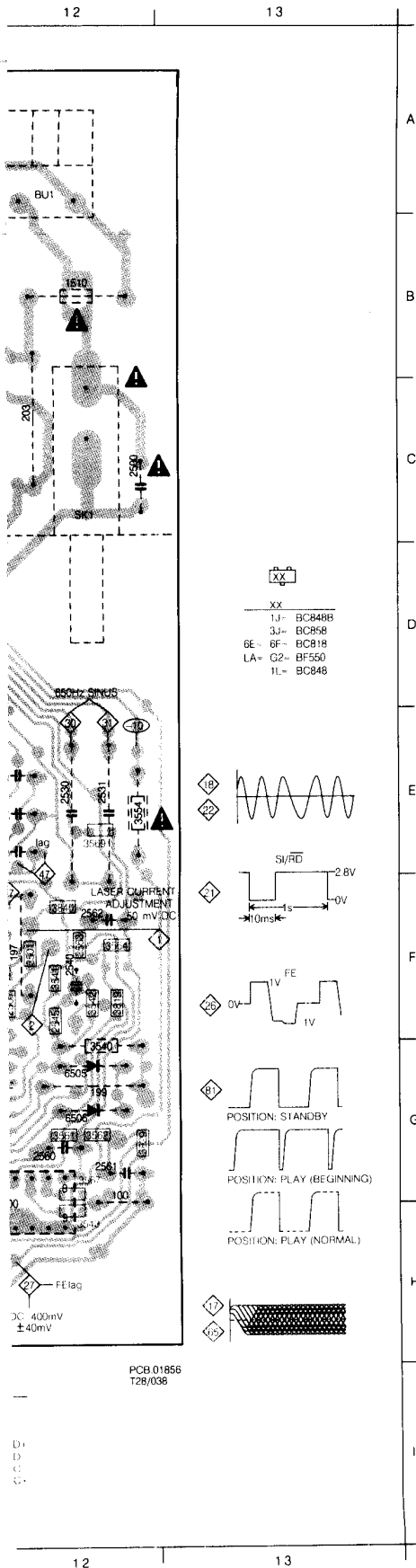


- 1- EN
- 2- F-D
- 3- L
- 4- F-I
- 5- F-E
- 6- F-C5

- 1- TIM
  - 2- L
  - 3- NC
- TO TURNTABLE MOTOR

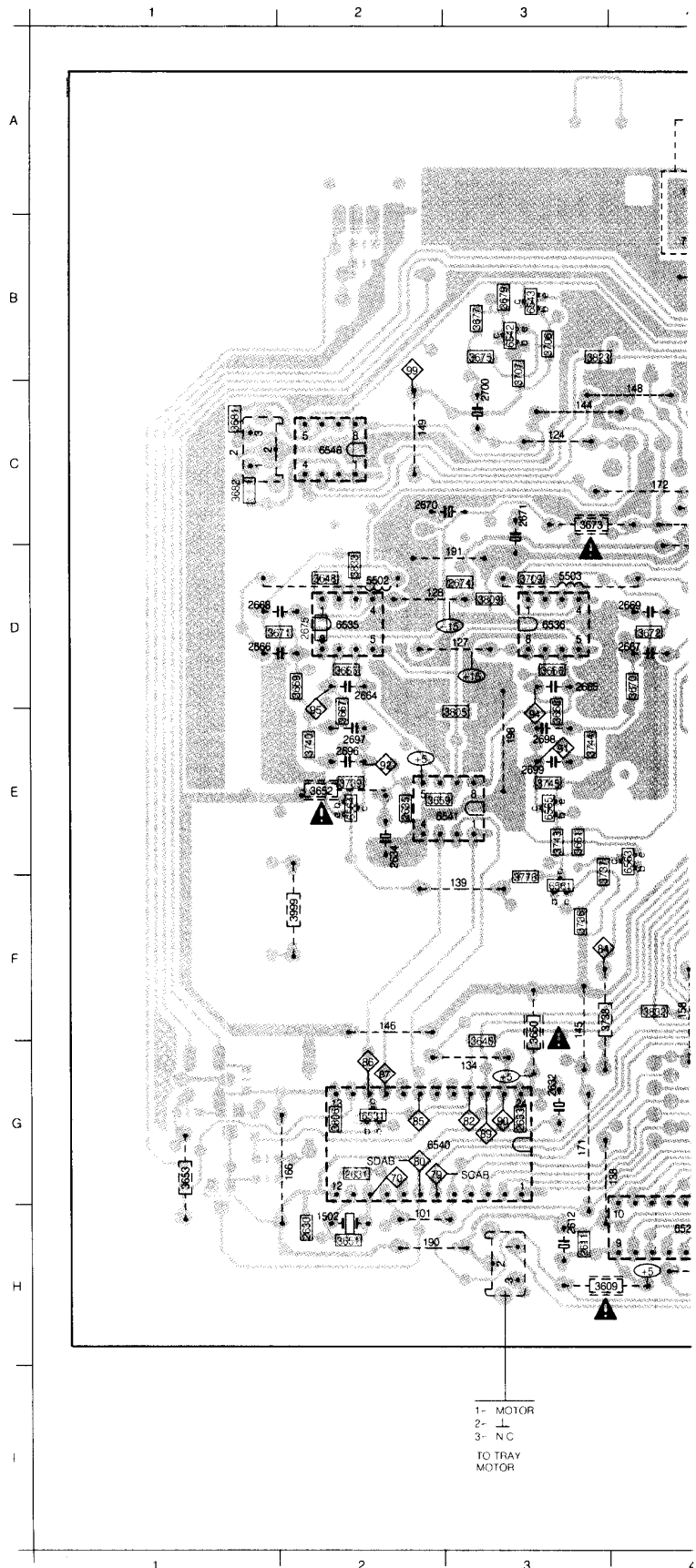
- 1- L
  - 2- H
  - 3- D4
  - 4- D3
  - 5- D1
  - 6- D2
  - 7- L
  - 8- LV
  - 9- LG
  - 10- L
  - 11- RA
  - 12- RA
  - 13- FC
  - 14- FC
- TO FLEX FOIL RADIAL ARM

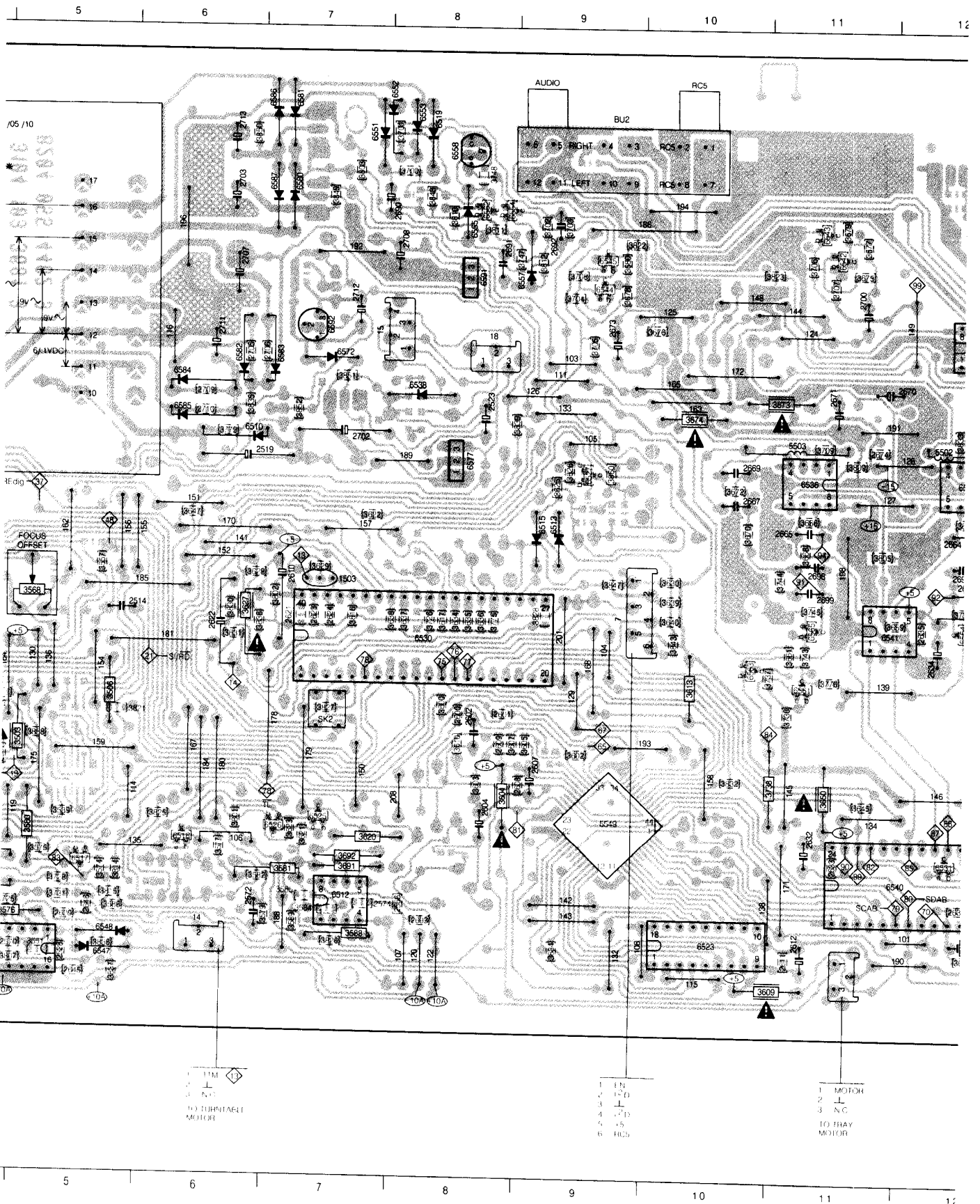
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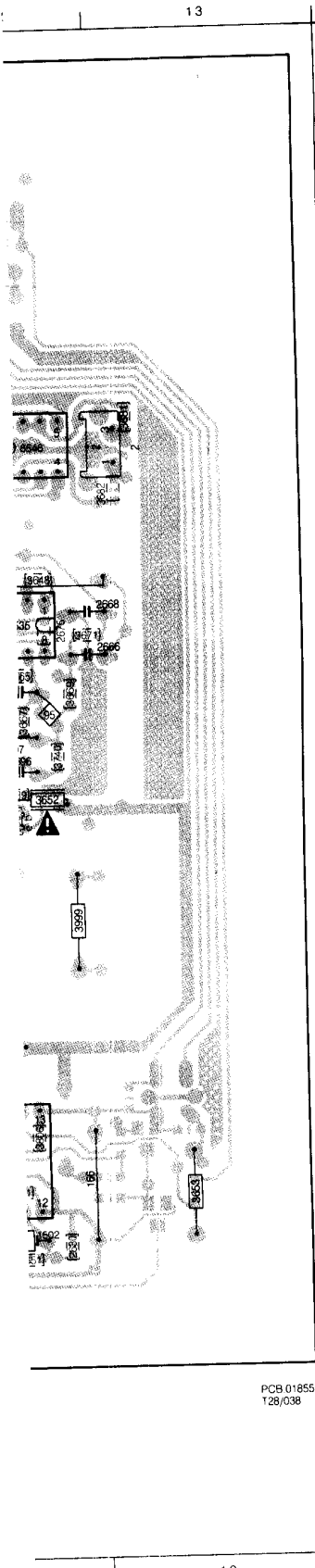


2 C1	2546 G11	3621 G7	6505 G12
7 F5	2550 E10	3622 D7	6506 G12
11 G12	2560 G12	3623 G7	6510 D8
14 H8	2561 G12	3625 D5	6512 G7
15 C7	2562 F12	3626 D5	6513 D5
18 C6	2563 G11	3627 E8	6515 D5
100 G12	2566 G6	3628 E7	6516 G8
101 H2	2570 H9	3629 E7	6517 G9
103 C5	2572 G8	3630 E4	6519 A6
104 E5	2574 G6	3634 E6	6520 F5
105 D5	2600 F6	3635 E6	6523 H4
106 G8	2601 F6	3636 E6	6525 G7
107 H6	2602 F6	3637 E6	6526 G7
108 H5	2604 G6	3638 E5	6527 D5
111 C5	2607 F5	3639 E4	6530 E6
112 E10	2608 F5	3640 E4	6531 G2
113 E10	2609 F6	3645 G3	6535 D2
114 G9	2610 E7	3645 F10	6536 D3
115 H4	2611 H3	3647 D8	6538 C6
116 C8	2612 H3	3648 D2	6540 G2
119 G9	2620 G9	3650 G3	6541 E2
120 H6	2621 E7	3651 H2	6542 B3
121 H10	2622 E8	3652 E2	6543 B3
122 H6	2623 E7	3653 G1	6544 C5
123 H10	2624 E7	3655 E2	6545 B5
124 C3	2630 H2	3661 E3	6546 C2
125 C4	2631 G2	3665 D2	6547 H9
126 C5	2632 G3	3666 D3	6548 H9
127 D3	2633 G3	3667 E2	6549 G5
128 D2	2634 E2	3668 E3	6551 A7
129 F5	2635 E2	3669 D2	6552 A6
130 F9	2645 H9	3670 D4	6553 A6
132 H5	2646 G9	3671 D1	6554 B6
133 C5	2664 D2	3672 D4	6555 B6
134 G3	2665 D3	3673 C3	6557 C5
135 G8	2666 D1	3674 D4	6558 A6
136 E9	2667 D4	3675 B3	6561 F3
138 G4	2668 D1	3676 C4	6562 B6
139 F2	2669 D4	3677 B3	6563 E4
140 G11	2670 C2	3678 C5	6564 C2
141 D8	2671 C3	3679 B3	6565 E3
142 G5	2673 C5	3680 B5	6572 C7
143 G5	2674 D3	3681 C1	6577 D6
144 C3	2675 D2	3682 C1	6580 B7
145 G3	2690 B6	3691 G7	6581 A7
146 F2	2691 B6	3692 G7	6582 C8
148 C4	2692 B5	3700 B6	6583 C7
149 C2	2693 G6	3701 A6	6584 C8
150 F7	2696 E2	3702 B5	6585 C8
151 D8	2697 E2	3703 B5	6586 A7
152 E8	2698 E3	3704 C5	6587 B7
153 G10	2699 E3	3705 C5	6591 B6
154 F9	2700 C3	3706 B3	6592 C7
155 E8	2702 D7	3707 C3	
156 E9	2703 B8	3708 B5	
157 D7	2705 C8	3709 D3	
158 F4	2706 C7	3724 G10	
159 F9	2707 B8	3725 G9	
162 E9	2708 B6	3726 E6	
163 C4	2709 C8	3728 G9	
164 F10	2710 C8	3729 G10	
165 C4	2711 C8	3730 G10	
166 G2	2712 C7	3731 G9	
167 F8	2713 A8	3735 F3	
168 F5	2750 F11	3737 F4	
170 D8	3501 F12	3738 F4	
171 G3	3502 F11	3739 E2	
172 C4	3503 F9	3740 E2	
175 F9	3504 E10	3743 E3	
176 E11	3505 F10	3744 E3	
177 F7	3506 F9	3745 E3	
178 F7	3507 F11	3747 B5	
179 F7	3508 F10	3748 B6	
180 F8	3509 F10	3775 E6	
181 E8	3510 F11	3776 F3	
182 F10	3520 G10	3776 D8	
183 F10	3521 G10	3801 G8	
184 F8	3522 H11	3802 E7	
185 E8	3523 G11	3803 B7	
186 B4	3524 H11	3805 E3	
188 H7	3530 D10	3807 G2	
189 D6	3531 D10	3807 H5	
190 H2	3533 E10	3809 D3	
191 D2	3534 E11	3810 B6	
192 B7	3535 E11	3811 B6	
193 F4	3539 G9	3812 B5	
194 B4	3540 G12	3813 G11	
195 G10	3541 F12	3814 G9	
196 B8	3542 F12	3815 G9	
197 F12	3543 H12	3816 E7	
198 E3	3551 H9	3819 F12	
199 G12	3552 F10	3822 B4	
201 E5	3553 H10	3822 B3	
202 C12	3554 E12	3823 B3	
203 C12	3555 E10	3824 G10	
208 G6	3557 E9	3825 G8	
BU1 A12	3560 G10	3826 H7	
BU2 A5	3561 G12	3827 F7	
SK0 C12	3562 G12	3828 E5	
SK2 F7	3563 F12	3829 G12	
1502 H2	3564 F12	3830 E8	
1503 E7	3565 G11	3831 E8	
1510 B12	3566 G11	3832 F4	
2500 C12	3567 G12	3833 D2	
2501 F12	3568 E9	3834 H5	
2503 F11	3569 E12	3835 C8	
2504 F11	3574 G9	3836 H5	
2506 F11	3575 G9	3837 H5	
2507 F10	3576 G9	3838 E8	
2509 F12	3577 G8	3839 D6	
2510 F11	3578 H10	3840 F12	
2511 F11	3579 H7	3841 D11	
2513 F11	3580 G8	3843 E4	
2514 E8	3581 G7	3844 E10	
2515 G11	3582 G7	3847 E5	
2519 D7	3584 G7	3848 B6	
2520 H11	3585 G7	3849 B7	
2521 H11	3586 G8	3850 A8	
2523 C6	3588 H7	3851 C7	
2528 H9	3589 H7	3852 D7	
2530 E12	3600 F6	3858 F9	
2531 E12	3602 F5	3860 D5	
2532 E11	3603 F6	3899 F2	
2534 E11	3604 G6	5001 B10	
2535 E11	3605 F5	5002 D2	
2536 E11	3607 F6	5003 D3	
2537 E11	3609 H3	6500 H12	
2538 E11	3610 F6	6501 F11	
2540 F12	3613 F4	6502 H11	
2542 H11	3617 E6	6503 E11	
2545 F12	3620 G7	6504 H10	

MAIN PANEL SOLDER SIDE FOR PANELS MARKED WITH 3104 103





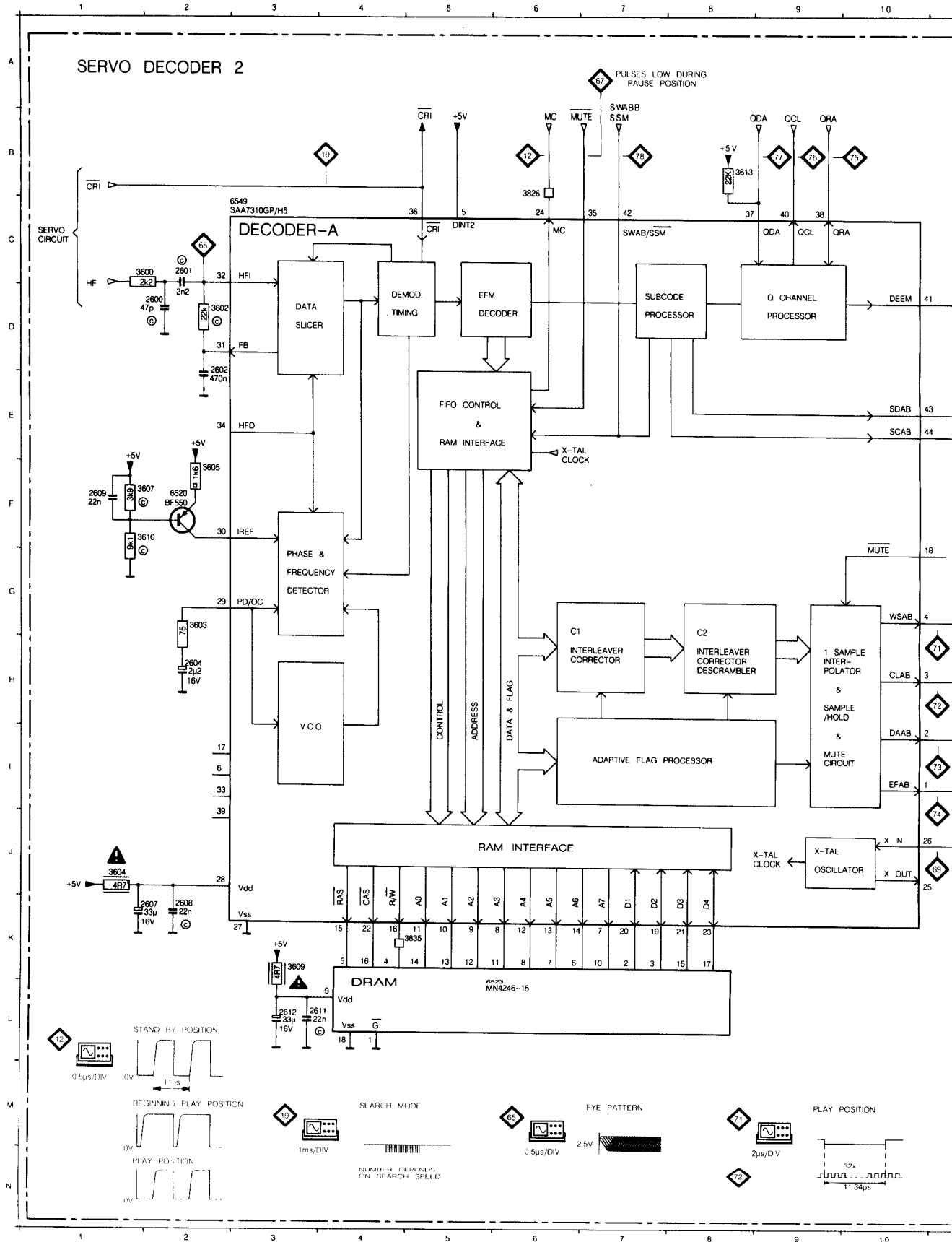


PCB 01855  
128/038

2	C13	2540	F2	3605	F9	3851	C7
7	E9	2542	H3	3607	F8	3852	D7
11	G2	2545	F2	3609	H10	3858	F5
14	H6	2546	G3	3610	F8	3860	D9
15	C7	2550	E4	3613	F10	3999	F12
18	C8	2560	G2	3617	E8	500	B4
100	G2	2561	G2	3620	G7	5502	D12
101	H11	2562	F2	3621	G7	5503	D11
103	C9	2563	G3	3622	D7	6500	H2
104	E9	2566	G8	3623	G7	6501	F3
105	D9	2570	H4	3625	D9	6502	H3
106	G6	2572	G6	3626	D9	6503	E3
107	H8	2574	G7	3627	E6	6504	H4
108	H9	2600	F8	3628	E6	6505	G2
111	C6	2601	F8	3629	E7	6506	G2
112	E4	2602	F8	3630	E10	6510	D6
113	E4	2604	G8	3634	E8	6512	G7
114	G5	2607	F9	3635	E8	6513	D9
115	H10	2608	F9	3636	E8	6515	D9
116	C6	2609	F8	3637	E8	6516	G6
119	G5	2610	E7	3638	E8	6517	G5
120	H8	2611	H11	3639	E10	6519	A8
121	H4	2612	H11	3640	E10	6523	H10
122	H8	2620	G5	3645	G11	6525	G7
123	H4	2621	E7	3646	E4	6526	G7
124	C11	2622	E6	3647	D6	6527	D9
125	C10	2623	E7	3648	D12	6530	E8
126	C9	2624	E7	3650	G11	6531	G12
127	D11	2630	H12	3651	H12	6535	D12
128	D11	2631	G12	3652	D10	6536	D11
129	F9	2632	G11	3653	G13	6538	C8
130	F5	2633	G11	3659	E11	6540	G11
132	H9	2634	E12	3661	E11	6541	B11
133	C9	2635	E12	3665	D12	6542	B11
134	G11	2645	H5	3666	D11	6543	B11
135	G5	2646	G5	367	E12	6544	C9
138	E5	2664	D12	3668	E11	6545	B9
139	F11	2666	D13	3669	D12	6546	C12
140	G3	2667	D10	3670	D10	6547	H5
141	D6	2668	D13	3671	D12	6548	H5
142	G8	2669	D10	3672	D10	6549	G9
143	C8	2670	C12	3673	C11	6551	A7
144	C11	2671	C11	3674	D10	6552	A8
145	F11	2673	C9	3675	B11	6553	A8
146	F12	2674	D11	3676	C10	6554	B8
148	C10	2675	D12	3677	B11	6555	B8
149	C12	2690	B8	3678	C9	6557	C9
150	F7	2691	B8	3679	B11	6558	A8
151	D6	2692	B9	3680	B9	6561	F11
152	E6	2693	G8	3681	C13	6562	B8
153	G3	2696	E12	3681	C13	6563	E10
154	F5	2697	E12	3682	C13	6564	E12
155	E6	2698	E11	3691	G7	6565	E11
156	E5	2699	E11	3692	G7	6572	C7
157	D7	2700	C11	3700	B8	6577	D8
158	F10	2702	D7	3701	A8	6580	B7
159	F5	2703	B6	3702	B9	6581	A7
162	E5	2705	C6	3703	B9	6582	C6
163	C10	2706	C7	3704	C9	6583	C7
164	F4	2707	B6	3705	C9	6584	C6
165	C10	2708	B8	3706	B11	6585	C6
166	G12	2709	C6	3707	C11	6586	A7
167	F6	2710	C6	3708	B9	6587	B7
168	F9	2711	C6	3709	D11	6589	B8
170	D6	2712	C7	3724	G4	6592	C7
171	G11	2713	A6	3725	G4		
172	C10	2750	F3	3726	E8		
175	F5	3501	F2	3727	G5		
176	E3	3502	F3	3729	G4		
178	F7	3503	F5	3730	G4		
179	F7	3504	E4	3731	G5		
180	F6	3505	F4	3736	F11		
181	E6	3506	F5	3737	F11		
182	F4	3507	F3	3738	F11		
183	F4	3508	F3	3739	E12		
184	F6	3509	F4	3740	E12		
185	E5	3510	F3	3743	F11		
186	B9	3520	G4	3744	E11		
188	H7	3521	G4	3745	E11		
189	D8	3522	H3	3747	B9		
190	H11	3523	G3	3748	B8		
191	D11	3524	H3	3775	E8		
192	B7	3530	D4	3776	F11		
193	F9	3531	D4	3779	D6		
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195	G4	3534	E3	3802	E7		
196	B6	3535	E3	3803	B7		
197	F2	3539	G5	3805	E11		
198	E11	3540	G2	3806	G12		
199	G2	3541	F2	3807	H4		
201	E9	3542	F2	3809	D11		
202	C3	3543	H2	3810	B8		
203	C2	3551	H5	3811	B8		
208	G8	3552	E4	3812	B9		
BU1	A2	3553	H4	3813	G2		
BU2	A9	3554	E2	3814	G5		
SK1	C2	3555	E4	3815	G5		
SK2	F7	3557	E5	3816	E7		
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1510	B2	3562	G2	3822	B9		
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2509	F3	3568	E2	3828	E9		
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2515	G3	3578	H4	3833	D12		
2519	D6	3579	H7	3834	H9		
2520	H3	3580	G5	3835	C6		
2521	H3	3581	G7	3836	H5		
2523	C8	3582	G6	3837	H5		
2528	H5	3584	G7	3838	E6		
2530	E2	3585	G7	3839	D9		
2531	E2	3586	G5	3840	F2		
2532	E2	3588	H7	3841	D3		
2534	E2	3589	H7	3843	E10		
2535	E3	3600	F8	3844	E4		
2536	E3	3602	F9	3847	E9		
2537	E2	3603	F8	3848	B8		
2538	E2	3604	G8	3849	B7		
				3850	A6		

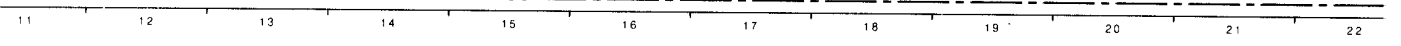
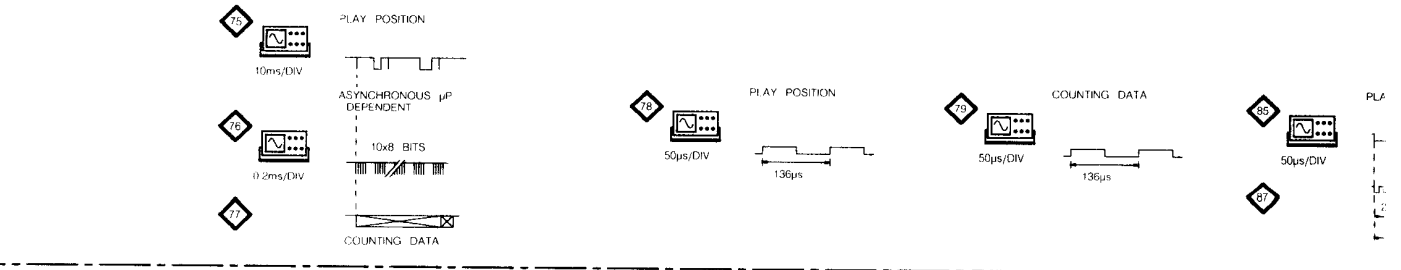
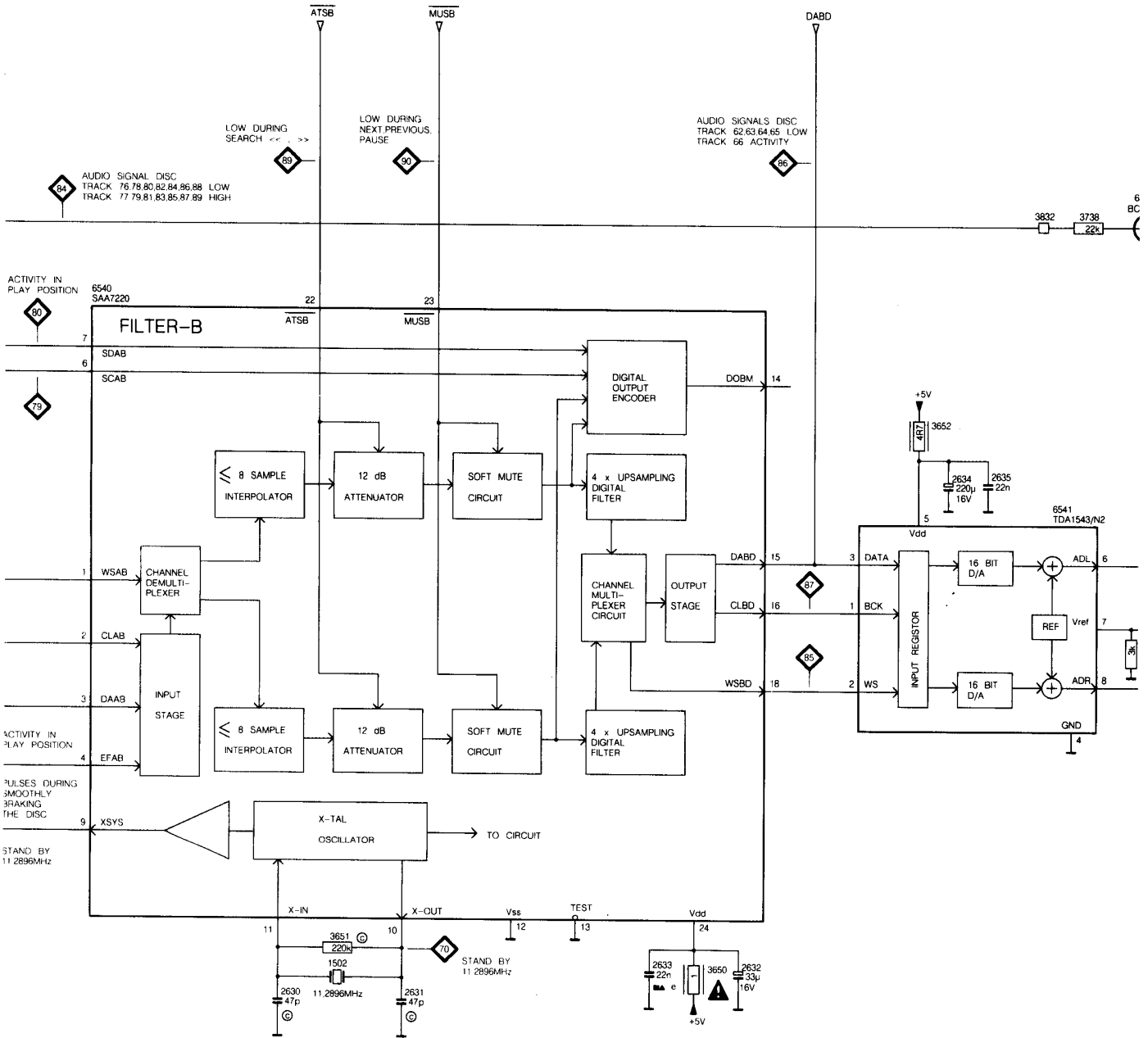
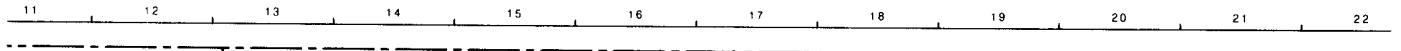
DECODING CIRCUIT DIAGRAM

1502 K14	2604 H2	2611 L3	2632 K18	2664 F23	2668 F27	2673 H29	2691 E26	2698 I26	3602 D2	3607 F1	3648 F27	3659 H22
2600 D2	2607 K1	2612 L3	2633 K17	2665 I23	2669 H27	2674 F28	2692 E25	2699 I26	3603 G2	3609 K3	3650 K18	3661 D24
2601 C2	2608 K2	2630 L14	2634 F20	2666 F26	2670 H23	2675 H24	2696 F26	2700 E29	3604 J1	3610 F1	3651 K14	3665 F23
2602 E2	2609 F1	2631 L15	2635 F21	2667 I26	2671 G28	2690 C26	2697 F26	3600 C1	3605 F2	3613 B8	3652 F20	3666 I23

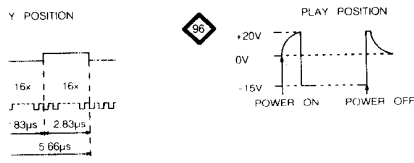
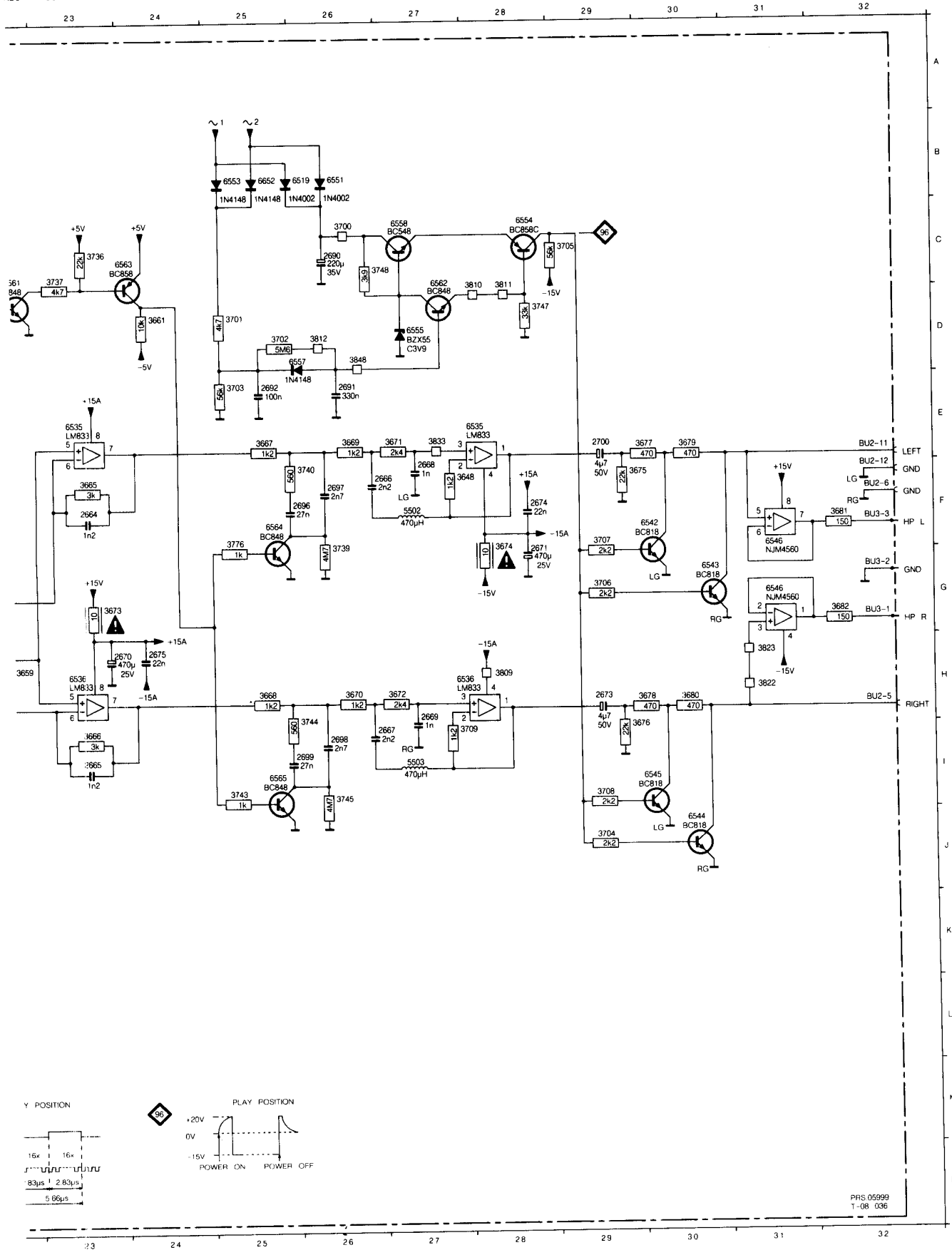




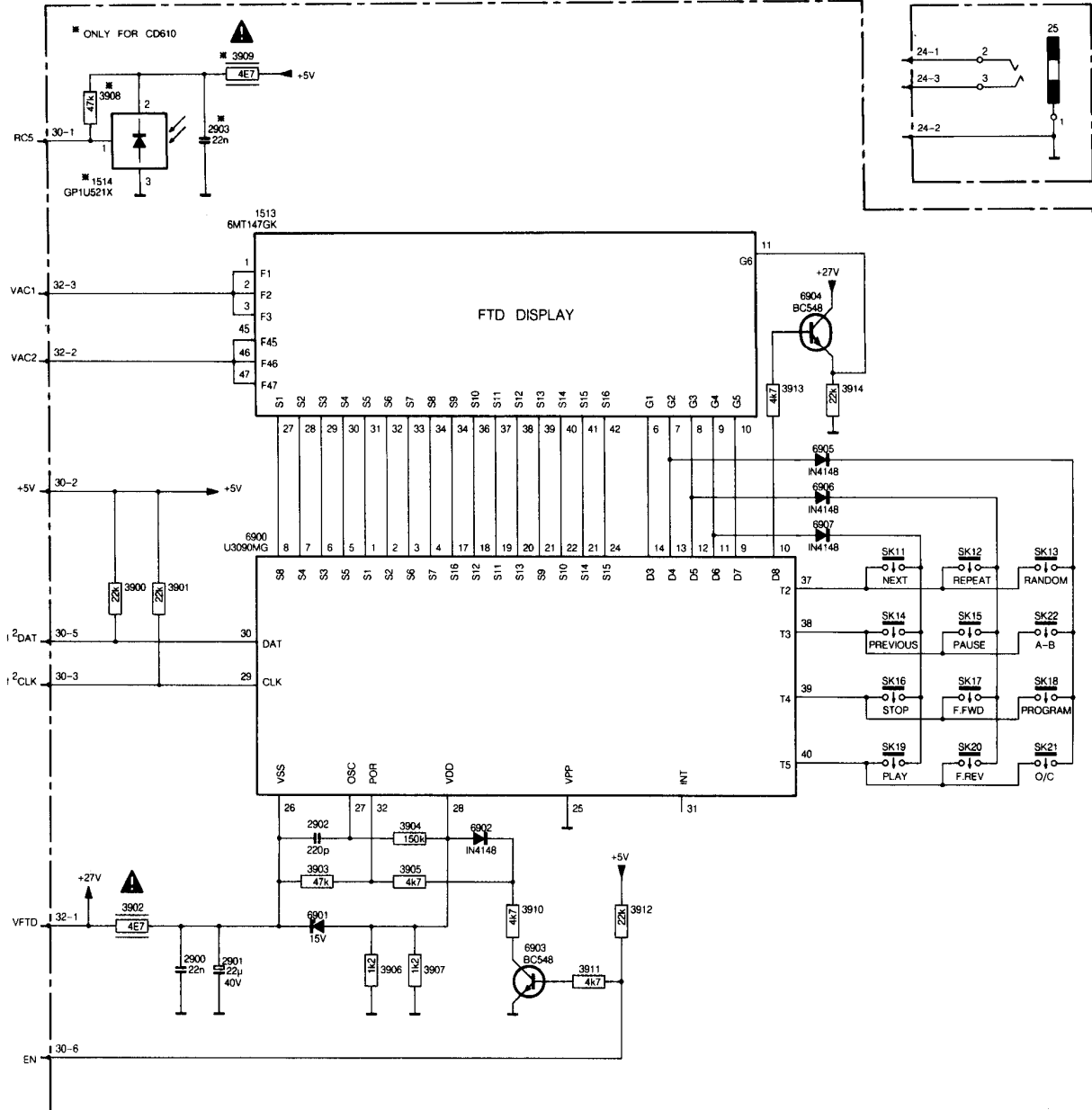
3667 E25	3671 E27	3675 F29	3679 E30	3700 C26	3704 J29	3708 I29	3738 D22	3744 I26	3776 F25	3812 D26	3832 D21	5502 F27	6523
3668 H25	3672 H27	3676 I29	3680 H30	3701 D25	3705 C29	3709 I27	3739 G26	3745 I26	3809 H28	3822 H31	3833 E27	5503 I27	6535
3669 E26	3673 G23	3677 E30	3681 F32	3702 D25	3706 G29	3736 C23	3740 F26	3747 D28	3810 C28	3823 H31	3835 K5	6519 B26	6535
3670 H26	3674 F28	3678 H30	3682 G32	3703 E25	3707 F29	3737 C23	3743 I25	3748 C26	3811 C28	3826 B6	3848 D26	6520 F2	6536



L5	6536 H27	6543 G30	6546 G31	6554 C28	6561 C22	6565 I 25
E23	6540 D12	6544 J30	6549 C2	6555 D27	6562 C27	6652 B25
E28	6541 G21	6545 I30	6551 B26	6557 D26	6563 C24	
H23	6542 F30	6546 F31	6553 B25	6558 C27	6564 F25	



DISPLAY CIRCUIT DIAGRAM

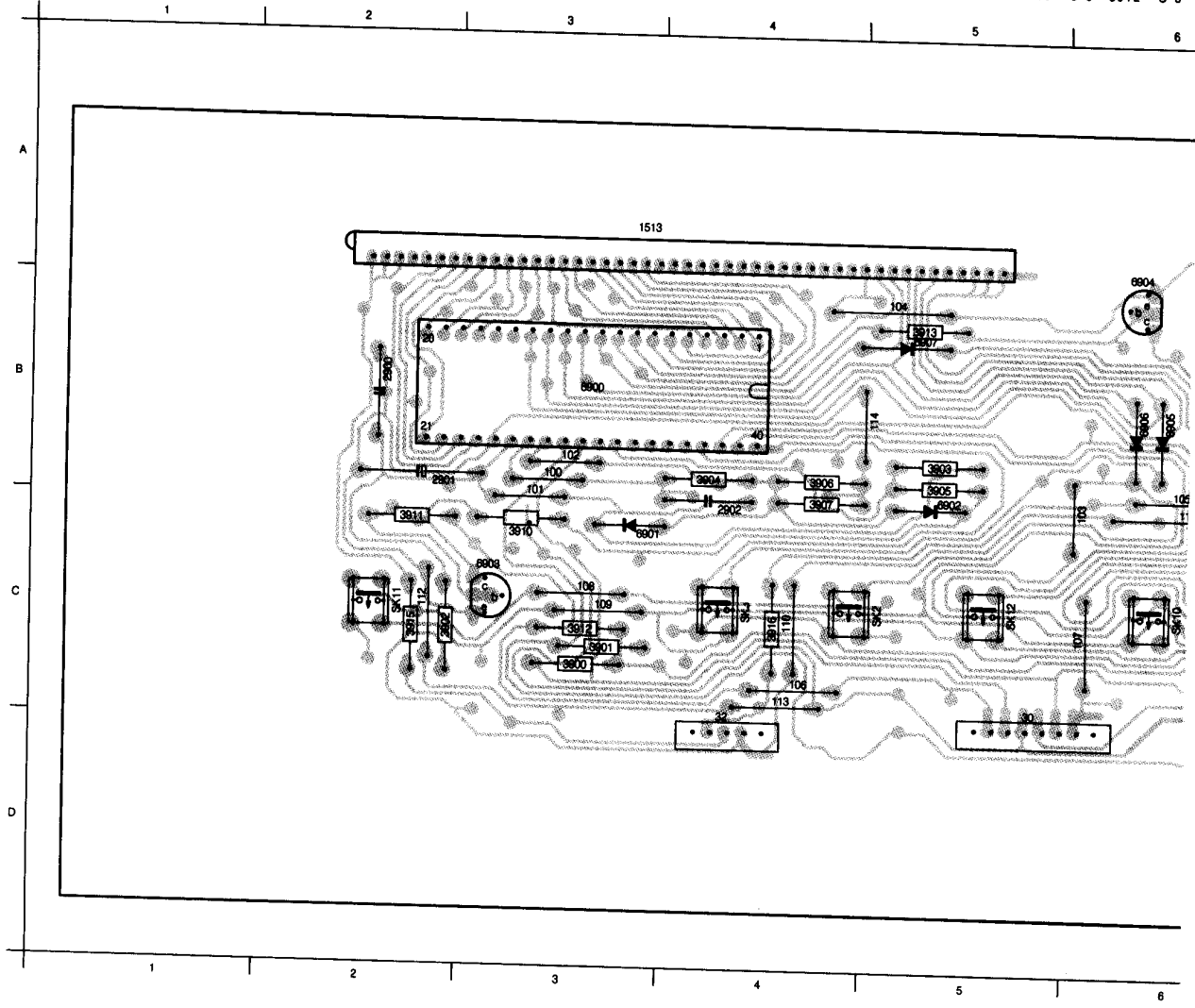


PRS 06005  
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DISPLAY PANEL

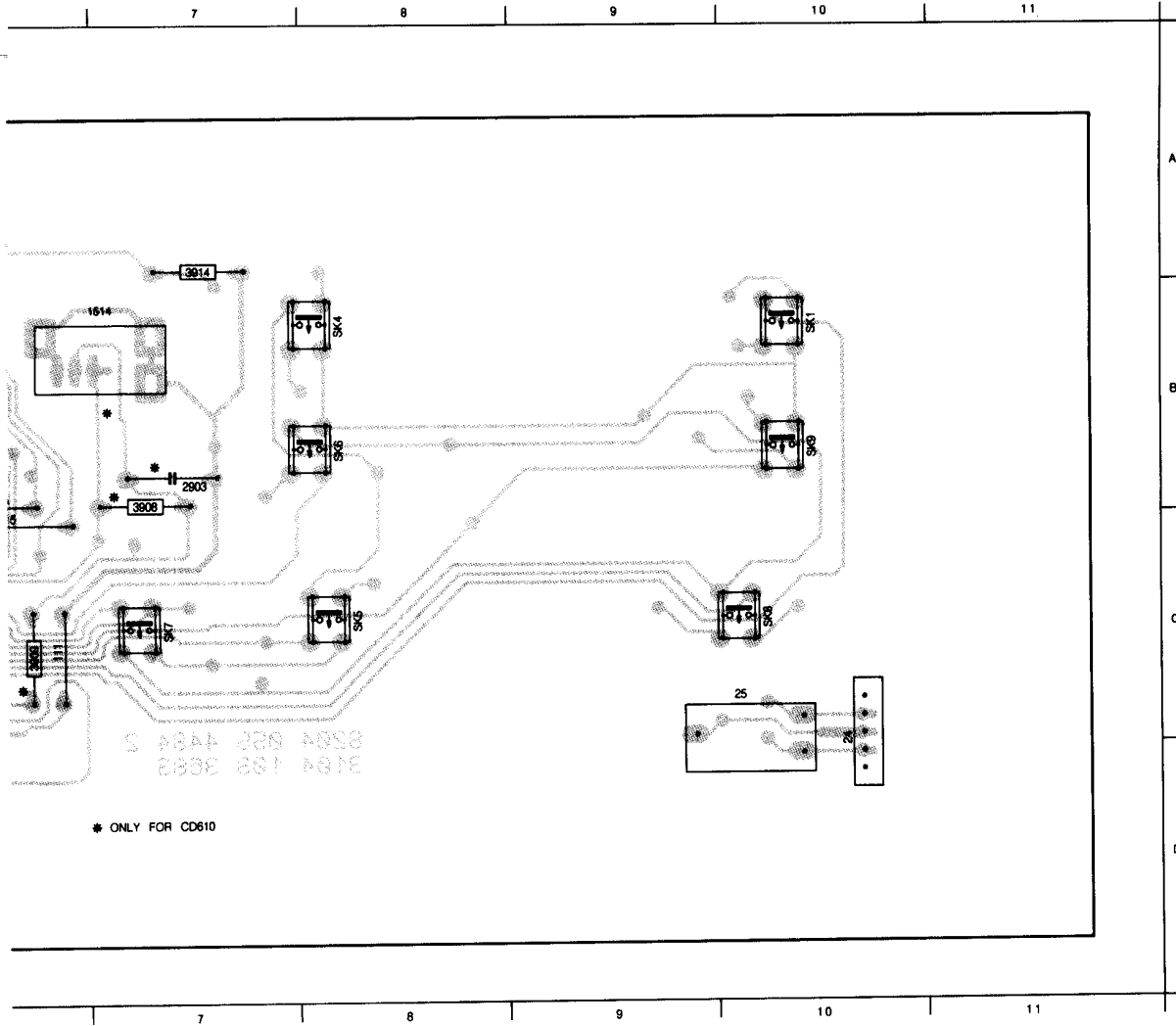
3-8a

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101	B 3	104	B 5	107	C 8	110	C 4	113	C 4	1513	A 3	25	C10	2902	C 4	32	C 4	3902	C 2	3905	B 5	3908	B 7	3911	C 2
102	B 3	105	B 6	108	C 3	111	C 6	114	B 5	1514	B 7	2900	B 2	2903	B 7	3900	C 3	3903	B 5	3906	B 4	3909	C 6	3912	C 3

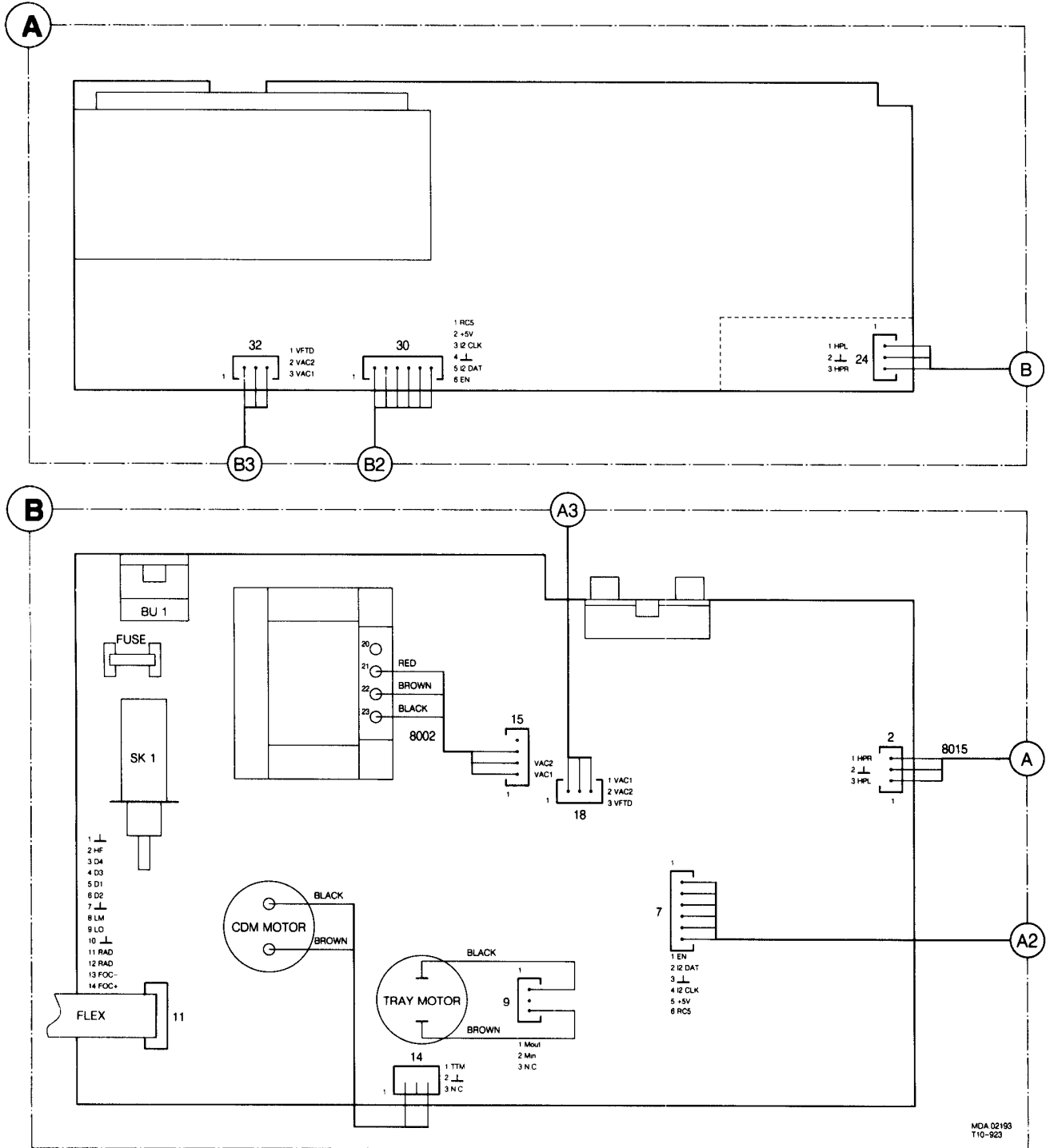


3-8a


3913	B 5	3916	C 4	6902	B 5	6905	B 6	SK1	B10	SK12	C 5	SK4	B 8	SK7	C 7
3914	A 7	6900	B 3	6903	C 3	6906	B 6	SK10	C 6	SK2	C 5	SK5	C 8	SK8	C10
3915	C 2	6901	C 3	6904	A 6	6907	B 5	SK11	C 2	SK3	C 4	SK6	B 8	SK9	B10




**WIRING DIAGRAM**




## ELECTRICAL PARTS LIST

—  —		
2500	4822 126 10005	3,3nF 20% 400V
2501	4822 122 33147	22nF 20%
2503	4822 122 33147	22nF 20%
2504	4822 122 31727	470pF 5% 63V
2506	4822 122 10166	22nF 30% 16V
2507	4822 122 31644	2,2nF 10% 63V
2509	4822 122 31765	100pF 5% 50V
2510	4822 122 32442	10nF 10% 50V
2511	4822 122 31746	1nF 5% 50V
2513	4822 121 42245	220nF 10% 63V
2514	4822 121 51252	470nF 5% 100V
2515	4822 122 31746	1nF 5% 50V
2519	4822 124 22027	47μF 20% 25V
2520	4822 122 31965	220pF 5% 63V
2521	5322 124 21643	22μF 20% 40V
2523	4822 124 41595	220μF 20% 50V
2528	4822 122 33104	100nF 10% 63V
2530	4822 121 51321	8,2mF 1% 63V
2531	4822 121 51321	8,2mF 1% 63V
2532	4822 124 40272	33μF 20% 16V
2534	5322 121 42661	330nF 5% 63V
2535	5322 122 31848	33nF 10% 63V
2536	5322 122 31848	33nF 10% 63V
2537	4822 121 42245	220nF 10% 63V
2538	4822 121 42245	220nF 10% 63V
2540	4822 124 41583	680nF 20% 50V
2542	4822 122 33147	22nF 20%
2545	4822 122 33104	100nF 10% 63V
2546	4822 122 33147	22nF 20%
2550	5322 121 42604	47nF 5% 63V
2560	4822 121 51314	4,7nF 5% 50V
2561	4822 121 51252	470nF 5% 100V
2562	5322 121 42661	330nF 5% 63V
2563	4822 122 33104	100nF 10% 63V
2566	4822 122 33147	22nF 20% (SMD)
2566	4822 122 10166	22nF 30% 16V
2570	4822 122 31644	2,2nF 10% 63V
2572	5322 121 42661	330nF 5% 63V
2574	4822 122 31759	18nF 10%
2600	4822 122 31772	47pF 5% 50V
2601	4822 122 31644	2,2nF 10% 63V
2602	4822 121 51252	470nF 5% 100V
2604	4822 124 41576	2,2μF 20% 50V
2607	4822 124 40272	33μF 20% 16V
2608	4822 122 33147	22nF 20%
2609	4822 122 33147	22nF 20%
2610	4822 124 22027	47μF 20% 25V
2611	4822 122 33147	22nF 20%
2612	4822 124 40272	33μF 20% 16V
2620	4822 122 33147	22nF 20%
2621	4822 122 33147	22nF 20%
2622	4822 124 22031	4,7μF 20% 63V
2623	4822 122 31772	47pF 5% 50V
2624	4822 122 31772	47pF 5% 50V
2630	4822 122 31772	47pF 5% 50V
2631	4822 122 31772	47pF 5% 50V
2632	4822 124 40272	33μF 20% 16V
2633	4822 122 33147	22nF 20%
2634	4822 124 40196	220μF 20% 16V
2635	4822 122 33147	20nF 20%
2645	4822 122 33147	20nF 20%
2646	4822 122 33104	100nF 10% 63V
2664	4822 121 51309	1,2nF 5% 50V
2665	4822 121 51309	1,2nF 5% 50V
2666	4822 121 51325	2,2nF 5% 50V
2667	4822 121 51325	2,2nF 5% 50V
2668	4822 121 51324	1,2nF 5% 50V
2669	4822 121 51324	1,2nF 5% 50V
2670	4822 124 23184	470μF 20% 25V
2671	4822 124 23184	470μF 20% 25V
2703	4822 125 41525	100μF 20% 25V
2713	4822 125 41525	100μF 20% 25V
2673	4822 124 41577	4,7μF 20% 50V
2674	4822 122 33147	22nF 20%
2675	4822 122 33147	22nF 20%
2690	4822 124 41572	220μF 20% 35V
2691	5322 121 42661	330nF 5% 63V
2692	5322 121 42386	100nF 5% 63V
2693	4822 122 33147	22nF 20%
2696	4822 121 42888	27nF 5% 50V
2697	4822 121 51312	2,7nF 5% 50V
2698	4822 121 51312	2,7nF 5% 50V
2699	4822 121 42888	27nF 5% 50V
2700	4822 124 41577	4,7μF 20% 50V
2702	4822 124 22337	22μF 20% 63V
2703	4822 125 41525	100μF 20% 25V
2713	4822 125 41525	100μF 20% 25V
2705	4822 122 33147	22nF 20%
2706	4822 122 33147	22nF 20%
2707	4822 124 41458	4700μF 20% 16V
2708	4822 124 40272	33μF 20% 16V
2709	4822 122 33147	22nF 20%
2710	4822 122 33147	22nF 20%
2711	4822 124 41571	1000μF 20% 16V
2712	4822 124 40272	33μF 20% 16V
2713	4822 125 41525	100μF 20% 25V
2750	4822 122 32542	47nF 10%
2900	4822 122 10166	22nF 30% 16V
2901	4822 124 22027	47μF 20% 25V
2902	4822 122 31465	270pF 10% 50V
2903	4822 122 10166	22nF 30% 16V
		
3501	5322 116 80445	4,7k 1% 0,125W
3502	5322 116 80429	100k 1% 0,125W
3503	4822 111 30499	4,7Ω 5% 0,33W
3504	4822 111 30499	4,7Ω 5% 0,33W
3505	4822 111 90253	12k 2% 0,125W
3506	4822 116 52389	100Ω 5% 0,5W
3507	5322 116 80427	1k 1% 0,125W
3508	4822 111 90512	24k 2% 0,125W
3509	4822 116 81208	5,6k 1% 0,125W
3510	4822 111 90249	10k 2% 0,125W
3520	4822 101 10685	Trimpot. LIN 4k7 20% 0.05W
3521	4822 116 52407	220Ω 5% 0,5W
3522	4822 111 30515	18Ω 5% 0,33W
3523	4822 111 30511	12Ω 5% 0,33W
3524	5322 116 80426	100Ω 1% 0,125W
3530	4822 050 24703	47K 1%
3531	4822 050 21503	15K 1%
3533	5322 111 90268	5,1k 2% 0,125W
3534	4822 111 90197	220k 2% 0,125W
3535	4822 116 53081	12k 1% 0,6W
3539	4822 111 90251	22k 2% 0,125W
3540	4822 111 30499	4,7Ω 5% 0,33W
3541	4822 111 90544	6,8k 2% 0,125W
3542	4822 116 90539	33Ω 5% 0,125W
3543	4822 111 90544	6,8k 2% 0,125W
3551	4822 116 81206	22Ω 1% 0,4W
3552	5322 111 90101	1,8k 2% 0,125W
3553	4822 111 30483	1Ω 5% 0,33W
3554	4822 111 30483	1Ω 5% 0,33W
3555	4822 111 90238	18k 2%
3557	4822 111 90197	220k 2% 0,125W
3560	4822 111 91494	11k 2%
3561	4822 116 90417	150k 2%

			
3562	4822 111 90568	120k 2% 0,125W	
3563	4822 111 90573	56k 2% 0,125W	
3564	4822 111 91495	160k 2%	
3565	5322 111 90105	27Ω 2% 0,125W	
3566	4822 116 81206	22Ω 1% 0,4W	
3567	4822 111 90575	82k 2% 0,125W	
3568	4822 100 20522	Trimpot. LIN 22k 20% 0,05W	
3569	5322 116 80447	470k 1% 0,125W	
3574	5322 116 80441	33k 1% 0,125W	
3575	5322 116 80445	4,7k 1% 0,125W	
3576	4822 116 52848	200k 1% 0,6W	
3577	4822 116 90418	1,2k 2%	
3578	4822 111 90575	82k 2% 0,125W	
3579	4822 116 90417	150k 2%	
3580	4822 116 52426	4,7k 5% 0,5W	
3581	4822 116 53105	3,3k 1% 0,6W	
3582	4822 111 90572	5,6k 2% 0,125W	
3584	4822 111 91492	91k 2%	
3585	4822 111 90214	100k 2% 0,125W	
3586	4822 111 90368	680k 2% 0,125W	
3588	4822 116 52472	47k 5% 0,5W	
3589	5322 116 80445	4,7k 1% 0,125W	
3600	4822 111 90248	2,2k 2% 0,125W	
3602	4822 111 90251	22k 2% 0,125W	
3603	4822 111 90371	75Ω 2% 0,125W	
3604	4822 111 30499	4,7Ω 5% 0,33W	
3605	5322 111 90265	1,6k 2% 0,125W	
3607	4822 111 90571	3,9k 2% 0,125W	
3609	4822 111 30499	4,7Ω 5% 0,33W	
3610	4822 111 90373	9,1k 2% 0,125W (SMD)	
3610	4822 116 52436	9,1kΩ 5%	
3613	4822 111 90251	22k 2% 0,125W	
3617	4822 111 90251	22k 2% 0,125W	
3620	4822 050 21803	18K 1% 0,6W	
3621	4822 051 10183	18K 2% 0,25W	
3622	5322 116 80446	47k 1% 0,125W	
3623	4822 051 10183	18K 2% 0,25W	
3624	4822 111 90248	2,2k 2% 0,125W	
3625	4822 111 90249	10k 2% 0,125W	
3626	4822 111 90249	10k 2% 0,125W	
3627	4822 111 30499	4,7Ω 5% 0,33W	
3628	4822 111 90251	22k 2% 0,125W	
3629	4822 111 90197	220k 2% 0,125W	
3630	4822 111 90251	22k 2% 0,125W	
3634	4822 111 90251	22k 2% 0,125W	
3635	4822 111 90251	22k 2% 0,125W	
3636	4822 111 90251	22k 2% 0,125W	
3637	4822 111 90251	22k 2% 0,125W	
3638	4822 111 90251	22k 2% 0,125W	
3639	4822 111 90251	22k 2% 0,125W	
3640	4822 111 90251	22k 2% 0,125W	
3645	5322 116 80445	4,7k 1% 0,125W	
3646	4822 111 90251	22k 2% 0,125W	
3647	4822 111 90251	22k 2% 0,125W	
3648	5322 111 90096	1,2k 2% 0,125W	
3650	4822 111 30483	1Ω 5% 0,33W	
3651	4822 111 90197	220k 2% 0,125W	
3652	4822 111 30499	4,7Ω 5% 0,33W	
3659	4822 051 10302	3K0 2%	
3661	4822 111 90249	10k 2% 0,125W	
3665	4822 116 90416	3k 2%	
3666	4822 116 90416	3k 2%	
3667	4822 116 90418	1,2k 2%	
3668	4822 116 90418	1,2k 2%	
3669	4822 116 90418	1,2k 2%	
3670	4822 116 90418	1,2k 2%	
3671	4822 116 90271	2,4k 2%	
3672	4822 116 90271	2,4k 2%	
3673	4822 111 30508	10Ω 5% 0,33W	
3674	4822 111 30508	10Ω 5% 0,33W	
3675	4822 111 90251	22k 2% 0,125W	
3676	4822 111 90251	22k 2% 0,125W	
3677	5322 116 80444	470Ω 1% 0,125W	
3678	5322 116 80444	470Ω 1% 0,125W	
3679	5322 116 80444	470Ω 1% 0,125W	
3680	5322 116 80444	470Ω 1% 0,125W	
3681	5322 116 80431	150Ω 5%	
3682	5322 116 80431	150Ω 5%	
3691	4822 111 90251	22k 2% 0,125W (SMD)	
3691	4822 116 52463	22kΩ 5%	
3692	4822 111 90251	22k 2% 0,125W (SMD)	
3692	4822 116 52463	22kΩ 5%	
3700	4822 111 90163	jumper	
3701	5322 116 80445	4,7k 1% 0,125W	
3702	4822 111 90425	5,6M 5% 0,125W	
3703	4822 116 90541	56k 5% 0,125W	
3704	4822 051 10222	2K2 2% 0,125W	
3706	4822 051 10222	2K2 2% 0,125W	
3707	4822 051 10222	2K2 2% 0,125W	
3708	4822 051 10222	2K2 2% 0,125W	
3709	5322 111 90096	1,2k 2% 0,125W	
3724	4822 116 53081	12k 1% 0,6W	
3725	4822 111 90253	12k 2% 0,125W	
3726	4822 111 90251	22k 5%	
3728	4822 051 10562	5K6 5%	
3729	4822 116 53081	12k 1% 0,6W	
3730	4822 111 90253	12k 2% 0,125W	
3731	4822 116 81206	22Ω 1% 0,4W	
3736	4822 111 90251	22k 2% 0,125W	
3737	5322 116 80445	4,7k 1% 0,125W	
3738	4822 111 90251	22k 2% 0,125W	
3739	4822 111 90423	4,7M 5% 0,125W	
3740	5322 111 90113	560Ω 2%	
3743	5322 116 80427	1k 1% 0,125W	
3744	5322 111 90113	560Ω 2%	
3745	4822 111 90423	4,7M 5% 0,125W	
3747	5322 116 80441	33k 1% 0,125W	
3748	4822 111 90571	3,9k 2% 0,125W	
3775	4822 111 90251	22k 2% 0,125W	
3776	5322 116 80427	1k 1% 0,125W	
3779	5322 111 90306	750Ω 5%	
3800	4822 111 90163	jumper	
3801	4822 111 90163	jumper	
3802	4822 111 90163	jumper	
3803	4822 111 90163	jumper	
3804	4822 111 90163	jumper	
3805	4822 111 90163	jumper	
3806	4822 111 90163	jumper	
3807	4822 111 90163	jumper	
3808	4822 111 90163	jumper	
3809	4822 111 90163	jumper	
3810	4822 111 90163	jumper	
3811	4822 111 90163	jumper	
3812	4822 111 90163	jumper	
3813	4822 111 90163	jumper	
3814	4822 111 90163	jumper	
3815	4822 111 90163	jumper	
3816	4822 111 90163	jumper	
3817	4822 111 90163	jumper	
3818	4822 111 90163	jumper	
3819	4822 111 90163	jumper	
3820	4822 111 90163	jumper	
3821	4822 111 90163	jumper	
3822	4822 111 90163	jumper	
3823	4822 111 90163	jumper	
3824	4822 111 90163	jumper	
3825	4822 111 90163	jumper	
3826	4822 111 90163	jumper	






			
3827	4822 111 90163	jumper	
3828	4822 111 90163	jumper	
3829	4822 111 90163	jumper	
3830	4822 111 90163	jumper	
3831	4822 111 90163	jumper	
3832	4822 111 90163	jumper	
3833	4822 111 90163	jumper	
3834	4822 111 90163	jumper	
3835	4822 111 90163	jumper	
3851	4822 111 90163	jumper	
3860	4822 111 90163	jumper	
3900	4822 116 52463	22k 5% 0,5W	
3901	4822 116 52463	22k 5% 0,5W	
3902	4822 116 52366	4,7Ω 5% 0,5W	
3903	4822 116 52472	47k 5% 0,5W	
3904	4822 116 52501	150k 5% 0,5W	
3905	4822 116 52426	4,7k 5% 0,5W	
3906	4822 116 52433	820Ω 5% 0,5W	
3907	4822 116 52433	820Ω 5% 0,5W	
3910	4822 116 52426	4,7k 5% 0,5W	
3911	4822 116 52426	4,7k 5% 0,5W	
3912	4822 116 52463	22k 5% 0,5W	
3913	4822 116 52426	4,7k 5% 0,5W	
3914	4822 116 52463	22k 5% 0,5W	

6563	5322 130 42012	BC858
6564	4822 130 61207	BC848
6565	4822 130 61207	BC848
6572	4822 130 34197	BZX55-C12
6577	4822 209 80808	MC7815CT
6580	5322 130 30684	1N4002
6581	5322 130 30684	1N4002
6582	5322 130 30684	1N4002
6583	5322 130 30684	1N4002
6584	5322 130 30684	1N4002
6585	5322 130 30684	1N4002
6586	5322 130 30684	1N4002
6587	5322 130 30684	1N4002
6591	4822 209 71579	TY40408
6592	4822 209 73233	MC79L05ACPRE
6900	4822 209 72226	U3090MG
6901	4822 130 81086	BZX55-C15
6902	4822 130 30621	1N4148
6903	4822 130 40938	BC548
6904	4822 130 40938	BC548
6905	4822 130 30621	1N4148
6906	4822 130 30621	1N4148
6907	4822 130 30621	1N4148

<b>Miscellaneous</b>		
BU3	4822 267 30743	HEADPHONE SOCKET
SK11	4822 276 12276	TACT SWITCH
SK12	4822 276 12276	TACT SWITCH
SK13	4822 276 12276	TACT SWITCH
SK14	4822 276 12276	TACT SWITCH
SK15	4822 276 12276	TACT SWITCH
SK16	4822 276 12276	TACT SWITCH
SK17	4822 276 12276	TACT SWITCH
SK18	4822 276 12276	TACT SWITCH
SK19	4822 276 12276	TACT SWITCH
SK20	4822 276 12276	TACT SWITCH
SK21	4822 276 12276	TACT SWITCH
SK22	4822 276 12276	TACT SWITCH
1502	4822 242 71349	11,2896 MHz X-TAL
1503	4822 242 70831	4 MHz CER. RES.
1510	4822 253 30009	FUSE 160mA T
1510	4822 253 30217	FUSE 300mA T
1513	4822 130 90661	DISPLAY 6-MT-147GK
1514	4822 214 51772	IR RECEIVER
5001	4822 146 30778	MAINS TRANSFORMER
5001	4822 146 30802	MAINS TRANSFORMER
5502	4822 157 53141	470μH 10%
5503	4822 157 53141	470μH 10%
	4822 218 10257	RC CD630
	4822 218 10293	RC NEUTRAL
	4822 267 40766	CINCH SOCKET 4P
	4822 492 63076	SPRING CLIP
	4822 265 20291	MAINS INLET
	4822 276 11309	MAINS SWITCH
	4822 256 30274	FUSE HOLDER
	4822 276 12523	TACT SWITCH
	4822 444 60606	SAFETY CAP
	4822 401 10895	CLAMP

<b>Tools</b>		
	4822 322 40066	SERVICE CABLE (14P)
	4822 397 30184	CD AUDIO SIGNALS
	4822 267 50676	SERVICE CONN (14P)
	4822 397 30096	AUDIO TEST DISC 5+5A
	5322 130 32182	LED GREEN CQYG11
	4822 397 30184	AUDIO TEST DISC 1kHz
	4822 321 21284	SERVICE CABLE (4P)
	4822 397 60141	AUDIO TEST MAX DIAM
	4822 395 50145	TORX SCREWDRIVERSET
	4822 395 50132	TORX SCREW SQUARE
	4822 395 30204	13TH ORDER TER

			
6500	4822 209 72587	TCA0372DP2	
6501	4822 209 73234	TDA8808T/C3	
6502	4822 130 44121	BC338	
6503	4822 209 73235	TDA8809T/C2	
6504	4822 209 72587	TCA0372DP2	
6505	4822 130 34173	BZX79-B5V6	
6506	4822 130 34173	BZX79-B5V6	
6510	5322 130 32962	BZV85-C6V2	
6512	4822 209 83274	NJM4560D	
6513	4822 130 30621	1N4148	
6515	4822 130 30621	1N4148	
6516	5322 130 42012	BC858	
6517	5322 130 42012	BC858	
6519	5322 130 30684	1N4002	
6520	4822 130 42131	BF550	
6523	4822 209 70422	MN4264-15	
6525	4822 130 61207	BC848	
6526	4822 130 61207	BC848	
6527	5322 130 41983	BC858B	
6530	4822 209 61011	MC68HC05C8P/ZC99684	
6531	4822 130 42675	BC818	
6535	4822 209 83163	LM833N	
6536	4822 209 83163	LM833N	
6538	5322 130 30684	1N4002	
6540	4822 209 11157	SAA7220	
6541	4822 209 73236	TDA1543	
6542	4822 130 42675	BC818	
6543	4822 130 42675	BC818	
6544	4822 130 42675	BC818	
6545	4822 130 42675	BC818	
6546	4822 209 83274	NJM4560D	
6547	5322 130 30684	1N4002	
6548	5322 130 30684	1N4002	
6549	4822 209 61759	SAA7310GP/S5	
6551	5322 130 30684	1N4002	
6552	4822 130 30621	1N4148	
6553	4822 130 30621	1N4148	
6554	5322 130 42012	BC858	
6555	4822 130 31981	BZX55-C3V9	
6557	4822 130 30621	1N4148	
6558	4822 130 40938	BC548	
6561	4822 130 61207	BC848	
6562	5322 130 42136	BC848C	

**MODIFICATIONS**

With A89-117

<b>Page</b>	<b>reason</b>
1-1a 2-3a 3-10a	/00B added Partslist adapted Headphone socket for /00B added

with A89-120

<b>Page</b>	<b>reason</b>
2-3b 3-1a 3-2a	Partslist adapted Check of lasersupply adapted Error tabel adapted Changed value in powersupply on position 2523
3-7a 3-9a 3-10b	Value of kill-resistors changed Partslist adapted Partslist adapted

with A89-123

<b>Page</b>	<b>reason</b>
3-1b 3-3a 3-4a 3-5a 3-6a 3-6-1 3-6-2 3-7a 3-9b 3-10c	Laser current adjustment adapted Block diagram adapted Servo diagram adapted Due to change of main panel Due to change of main panel Due to change of main panel Due to change of main panel New version of SAA 7310 Partslist adapted Partslist adapted

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<b>Page</b>	<b>reason</b>
1-1b 2-1a 2-2a 2-3c 3-1c 3-2b 3-3b 3-4b 3-5b 3-6b 3-6-1a 3-6-2a 3-7b 3-8a 3-9c 3-10d	Frontpage adapted Laser specifications added Page updated New lay-out Fault finding guide adapted Specification measurements added Block diagram adapted Circuit diagram adapted Drawing of panel adapted Drawing of panel adapted Drawing of panel adapted Drawing of panel adapted Circuit diagram adapted Circuit diagram adapted Partslist adapted Partslist adapted