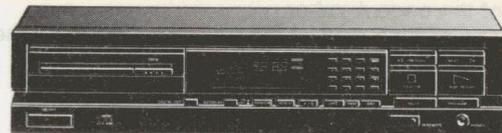


Service
Service
Service



44 873 A11

Service Manual

COMPACT
disc
DIGITAL AUDIO

CONTENTS

1. Explanation on the documentation and table of contents per page
2. Controls and technical specifications
3. Servicing hints, disassembly of the set, exploded view, mechanical partslist
4. Measurements and adjustments
5. Wiring diagram, block diagram, circuit diagrams, PCB data partslist of display panel
6. Partslist

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.

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.

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.

**CLASS 1
LASER PRODUCT**

3122 110 03420



1. EXPLANATION ON THE LAYOUT OF THE DOCUMENTATION

The documentation consists of chapters. The number of the chapter is indicated by the first digit of the page number. The second digit of the page number is the sequence numbering.

Example

3-6 is page 6 of chapter 3
 3-6-1 is a supplementary page behind page 3-6
 3-6-a is the replacement page of page 3-6 (so page 3-6 can be removed from the documentation).

If modifications or supplements require new supplementary or replacement pages, the page number is extended with a third part:

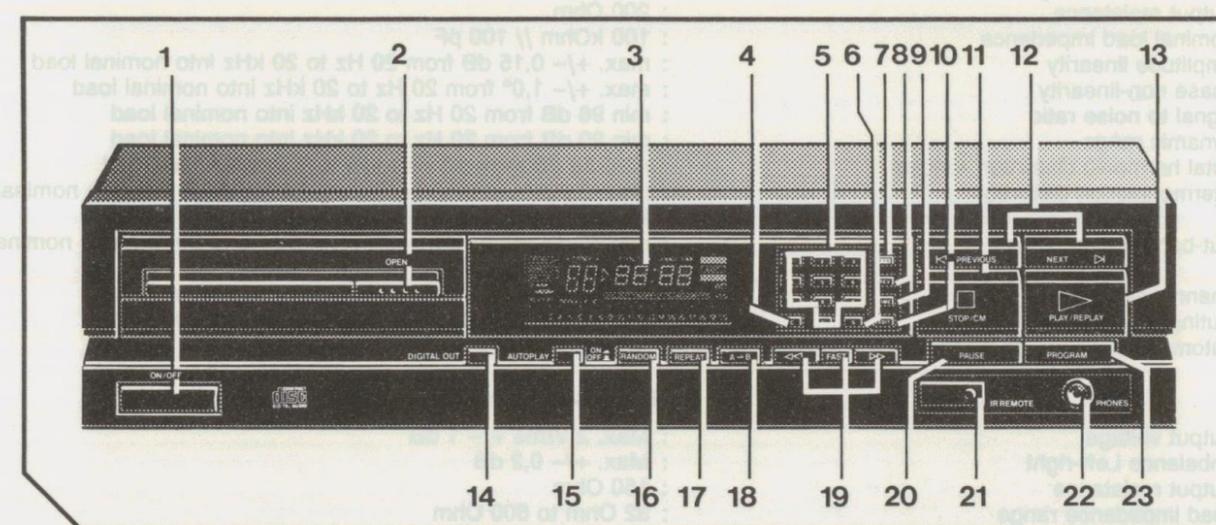
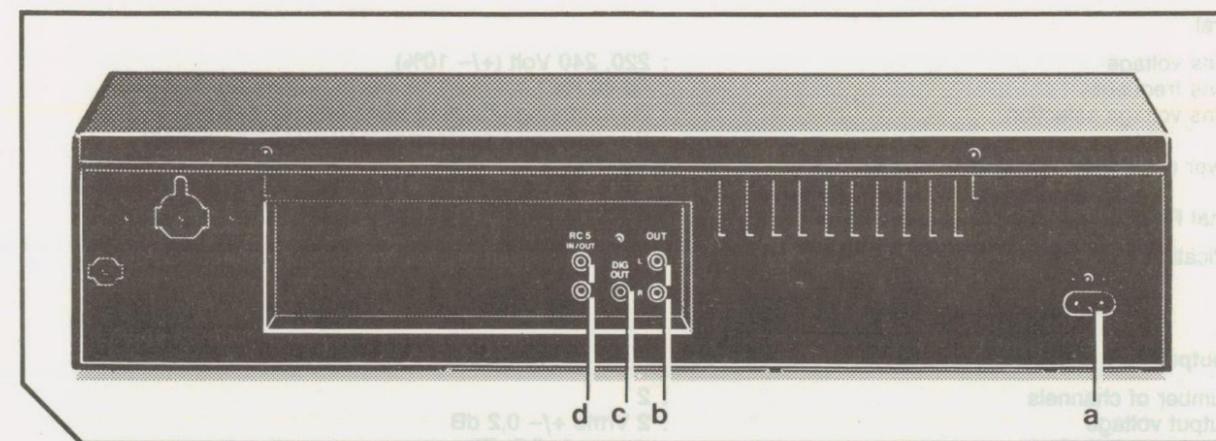
A digit behind the page number indicates that it concerns a supplementary page.
 A replacement page is indicated by a letter behind the page number.

TABLE OF CONTENTS PER PAGE

Chapter	Page	Contents
1	1-1	Explanation on the layout of the documentation Table of contents per page
2	2-1	Controls
	2-2	Technical specification
3	3-1	Servicing hints and tools
	3-2	Disassembly of the cabinet and CDM
	3-3	Exploded view Mechanical partslist
4	4-1	Faultfinding procedure
	4-2	Faultfinding procedure Error code table
5	5-1	Wiring diagram
	5-2	Block diagram Signals
	5-3	Control and display panel Partslist of display panel
	5-4	Power supply circuit diagram Trafo Measurements and adjustments
	5-5	Servo decoder 1 circuit diagram
	5-6	Servo decoder panel component side
	5-7	Servo decoder panel solder side
	5-8	Servo decoder 2 circuit diagram
6	6-1	Partslist

CLASS 1 LASER PRODUCT

PHILIPS



44 874 A11

CONTROLS

- 1 On/Off
- 2 Open
- 3 Display
- 4 C(lear)
- 5 1-0 Digit keys
- 6 S(tore)
- 7 FTS
- 8 Rev(iew)
- 9 Time
- 10 Edit
- 11 Stop/CM
- 12 Previous and next
- 13 Play/Replay
- 14 Digital out
- 15 Autoplay
- 16 Random
- 17 Repeat
- 18 A-B
- 19 << Search >>
in combination with **Fast** for increased speed
- 20 Pause
- 21 IR remote
- 22 Phones
- 23 Prog(ram)/Play

- a Mains
- b Out L R
- c Dig(ital) out
- d RC5 In/Out

TECHNICAL DATA

- General**
- 1. Mains voltage : 220, 240 Volt (+/- 10%)
 - 2. Mains frequency : 50-60 Hz
 - 3. Mains voltage selection : By soldering (220/240 Volt-version)
By changing transformer (110/127 Volt-version)
 - 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 k to 68 k

- Line output**
- 1. Number of channels : 2
 - 2. Output voltage : 2 Vrms +/- 0,2 dB
 - 3. Unbalance Left-Right : max. +/- 0,2 dB
 - 4. Output resistance : 200 Ohm
 - 5. Nominal load impedance : 100 kOhm // 100 pF
 - 6. Amplitude linearity : max. +/- 0,15 dB from 20 Hz to 20 kHz into nominal load
 - 7. Phase non-linearity : max. +/- 1,0° from 20 Hz to 20 kHz into nominal load
 - 8. Signal to noise ratio : min 96 dB from 20 Hz to 20 kHz into nominal load
 - 9. Dynamic range : min 90 dB from 20 Hz to 20 kHz into nominal load
 - 10. Total harmonic distortion + noise : min -88 dB from 20 Hz to 20 kHz into nominal load
 - 11. Intermodulation distortion : max. 0.004% (min -88 dB) from 20 Hz to 20 kHz into nominal load
 - 12. Out-band attenuation : min 60 dB above 24,1 kHz from 20 Hz to 20 kHz into nominal load
 - 13. Channel separation : min 93 dB from 20 Hz to 20 kHz into nominal load
 - 14. Muting during random access : min 90 dB from 20 Hz to 20 kHz into nominal load
 - 15. Automatic switched de-emphasis with time constants : 15/50 us

- Headphone (fixed)**
- 1. Output voltage : Max. 2 Vrms +/- 1 dB
 - 2. Unbalance Left-right : Max. +/- 0,2 dB
 - 3. Output resistance : 150 Ohm
 - 4. Load impedance range : 32 Ohm to 600 Ohm
 - 5. Output power : Max. 6 mW into 32 Ohm load
Max. 10 mW into 150 Ohm load
Max. 6 mW into 600 Ohm load
 - 8. Signal to noise ratio : Min 93 dB from 20 Hz to 20 kHz into 600 Ohm
 - 9. Dynamic range : Min 90 dB from 20 Hz to 20 kHz into 600 Ohm
 - 10. Total harmonic distortion + noise : Max 0,004% (min-88 dB) from 20 Hz to 20 kHz
 - 11. Intermodulation distortion : max 0,004% (min-88 dB) from 20 Hz to 20 kHz
 - 12. Channel separation : min 80 dB from 20 Hz to 20 kHz into 600 Ohm

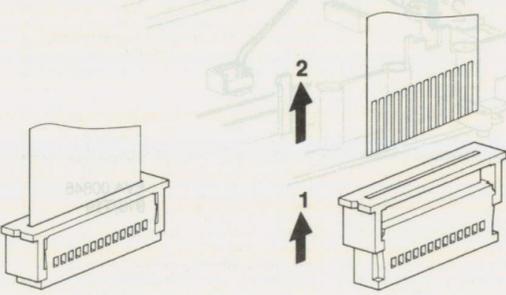
- Dimensions and weight**
- 1. Place and height of feet acc. to Philips specification
 - 2. Apparatus tray closed WxDxM : 420 x 280 x 90/104 mm
 - 3. Apparatus tray open WxDxM : 420 x 423 x 90/104 mm
 - 4. Weight : 4,0 kg

3. SERVICING HINTS

Service disc hold-down

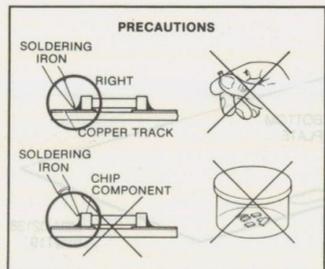
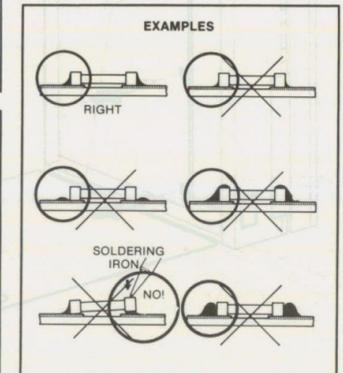
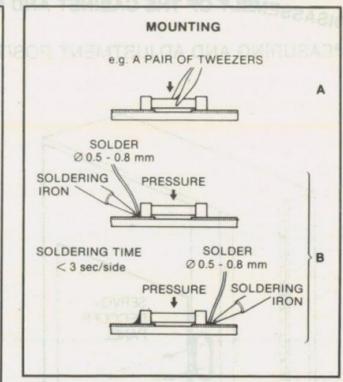
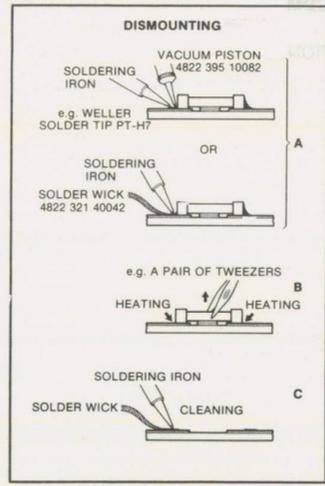
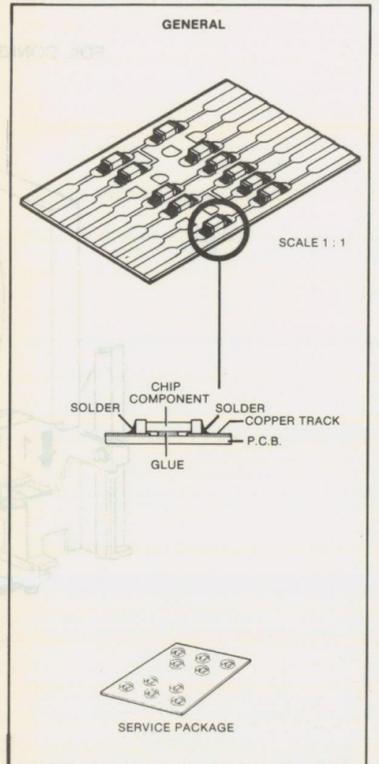
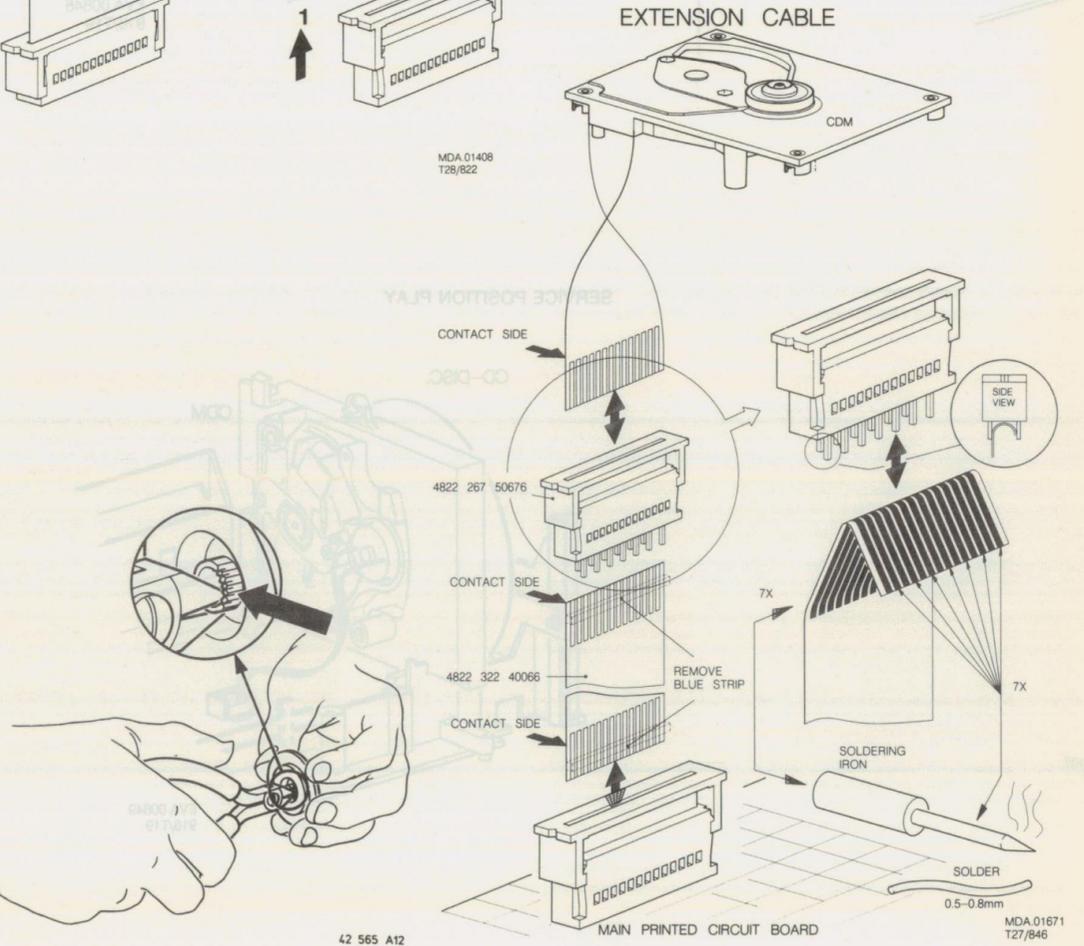
The disc should always rest properly on the turntable. To achieve this a disc hold-down has been mounted in a bracket of the tray mechanism. If the tray mechanism has to be disassembled for servicing, a separate disc hold-down should be used. For a service disc hold-down see the figure below. Compose 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. below.
- 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 TOOLS

- Audio test disc 1 : 4822 397 30185
- Disc without errors + disc with DO errors, black spots and fingerprints : 4822 397 30096
- Disc (65 min, 1kHz) without pause : 4822 397 30155
- Maximum diameter disc : 4822 397 60141
- Torx screwdrivers : 4822 395 50145
- Set (straight) : 4822 395 50132
- Set (square) : 4822 395 30204
- 13th order filter



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.

ESD



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 enfilier le bracelet sert d'une résistance de sécurité. Veiller à ce que les composants ainsi que les outils que l'on utilise soient également à ce potentiel.

D WARNUNG

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

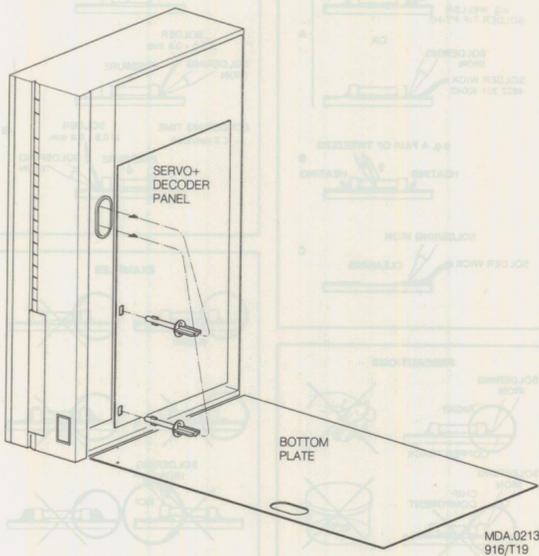
NL WAARSCHUWING

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.

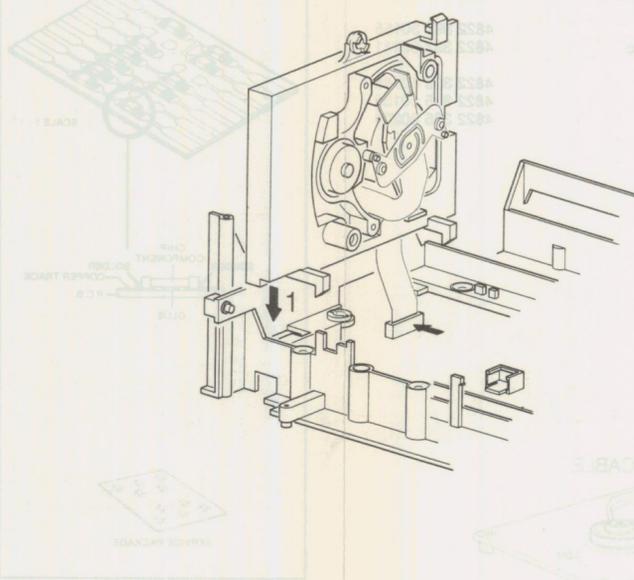
I AVVERTIMENTO

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 cautela alla loro manipolazione. Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un braccialetto a resistenza. Assicursarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

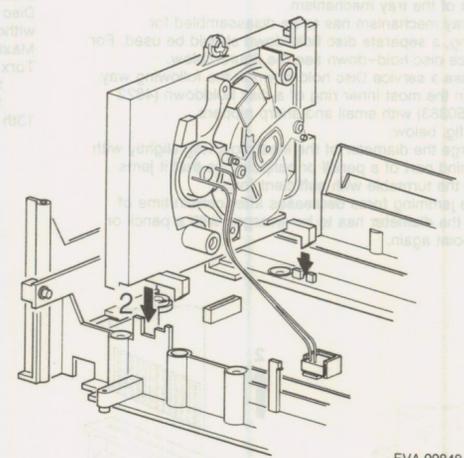
DISASSEMBLY OF THE CABINET AND CDM
MEASURING AND ADJUSTMENT POSITION



FOIL CONNECTION POSITION



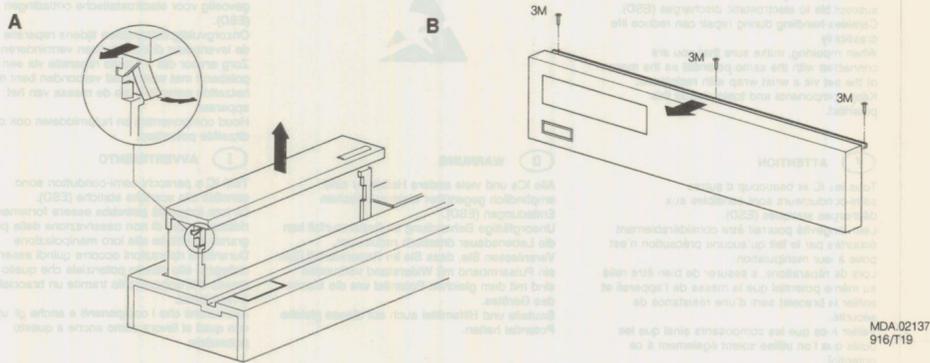
PLAY-SERVICE POSITION



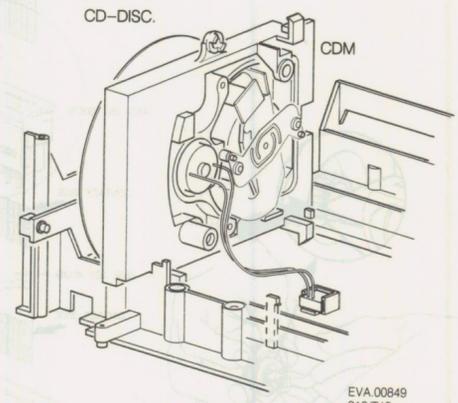
CAUTION
INVISIBLE LASER RADIATION WHEN
OPEN. DO NOT STARE INTO BEAM.
3104 106 75942

EVA.00848
916/T19

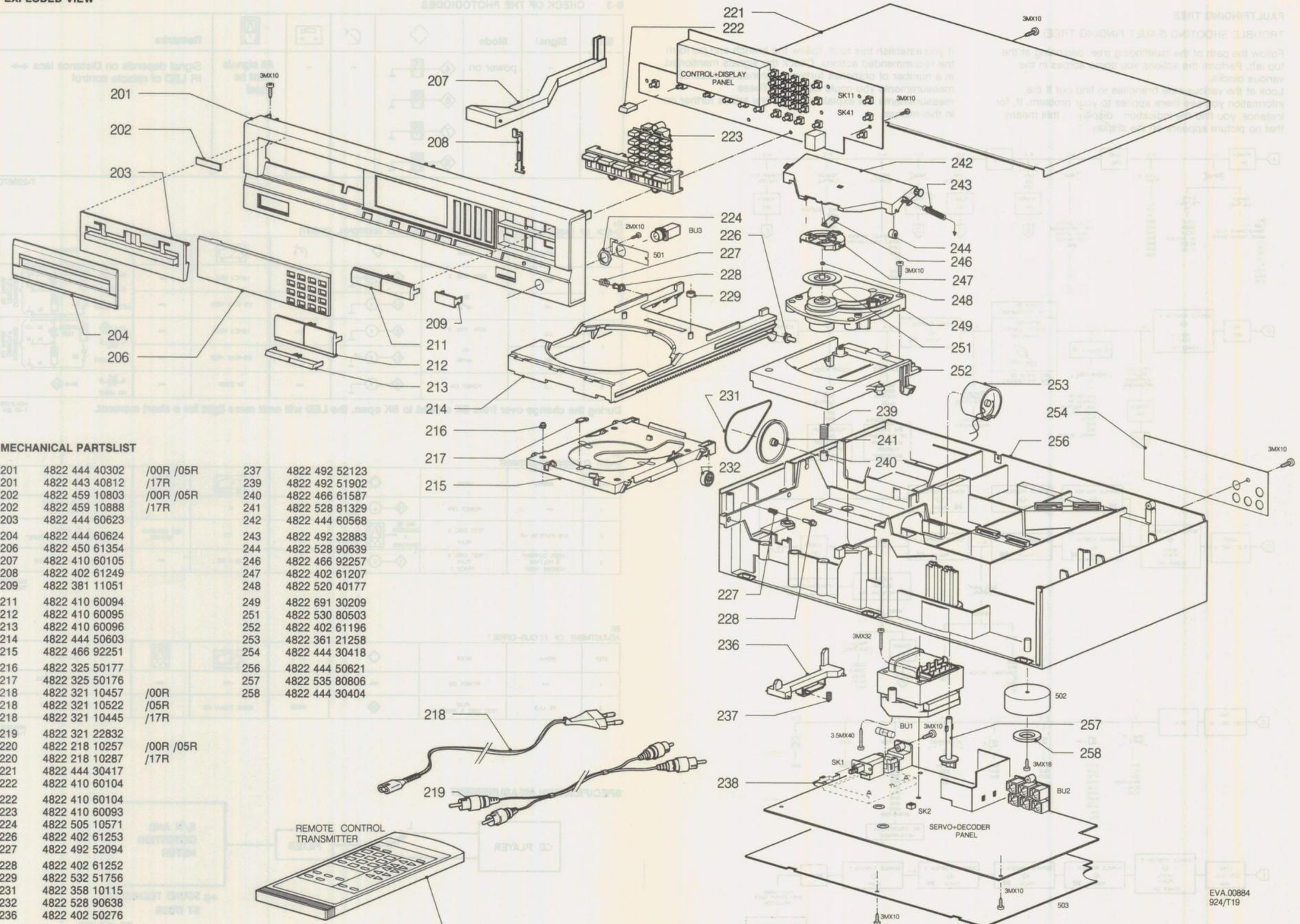
CABINET DISASSEMBLY HINTS



SERVICE POSITION PLAY



EXPLODED VIEW



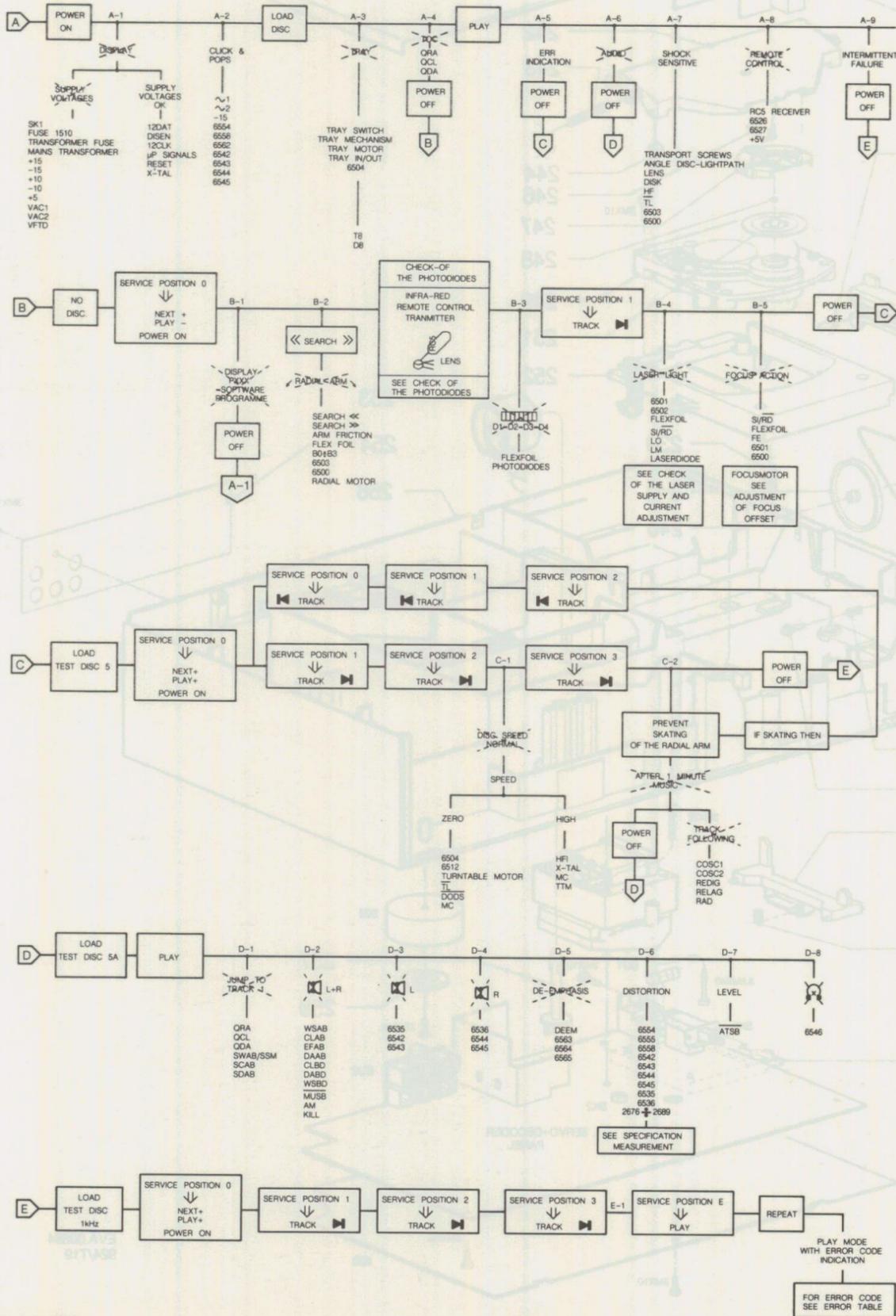
FAULTFINDING TREE

TROUBLE SHOOTING (FAULT FINDING TREE)

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

Step	Signal	Mode					Remarks
1	-	power on	4 6 7 8	-	-	-	All signals must be equal Signal depends on Distance lens ↔ IR LED of remote control

T-22387C

B4 CHECK OF LASER SUPPLY (WITH DEMOUNTED CDM AND ADDITIONAL CIRCUIT)

STEP	SIGNAL	MODE					REMARKS
1	LO	SERV. POS. 2	9	-	1.8 <V< 2.3	-	 S1-1 GREEN LED to LO A SK to LM CONNECTED CORRECTLY TO PANEL
	LM	SK	11	-	170 <mV< 220	-	
2	LO	SERV. POS. 2	9	-	1.8 <V< 2.3	-	 S1-1 GREEN LED to LO A SK to LM CONNECTED CORRECTLY TO PANEL
	LM	SK	11	-	170 <mV< 220	-	
3	LO	POWER ON	9	-	0V ± 0.2V	-	S1-0 NO LIGHT

During the change over from SK closed to SK open, the LED will emit more light for a short moment.

MDA 01379 T-08 824

B4 LASER CURRENT ADJUSTMENT

STEP	SIGNAL	MODE					REMARKS
1	-	POWER OFF	11	-	R3520	1k	PRE-ADJUSTMENT OHMIC VALUE
2	EYE-PATTERN HF	TEST DISC 5 PLAY	 PIN 32 DECODER A (SAA7310) to 0V GND		-	-	SEE DRAWING 3701788 IF NO SIGNAL SEE: "START UP PROCEDURE"
3	LASER CURRENT ± VOLTAGE ACROSS R3501	TEST DISC 5 PLAY TRACK 1	1	-	R3520	50mV DC	HIGH-OHMIC MEASUREMENT

MDA 01778 T2B/901

B5 ADJUSTMENT OF FOCUS-OFFSET

STEP	SIGNAL	MODE					REMARKS
1	-	POWER ON	-	-	R3569	-	ADJUST FOR OPTICAL MID-POSITION
2	FE LAG	PLAY TEST DISC 5 TRACK 1	27	-	R3569	400mV ± 40mV DC	FINE ADJUSTMENT

MDA 01361 T-08 824

SPECIFICATION MEASUREMENT



e.g. SOUND TECHNOLOGY ST 1700B

30 459 A12

SPECIFICATIONS MEASUREMENT

MARJAIQ ENRIRW

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

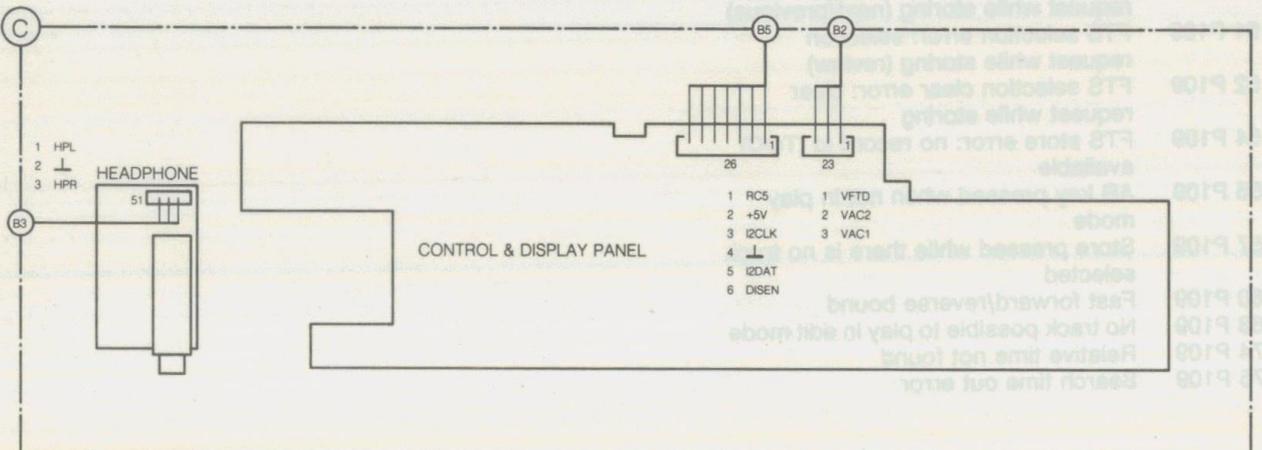
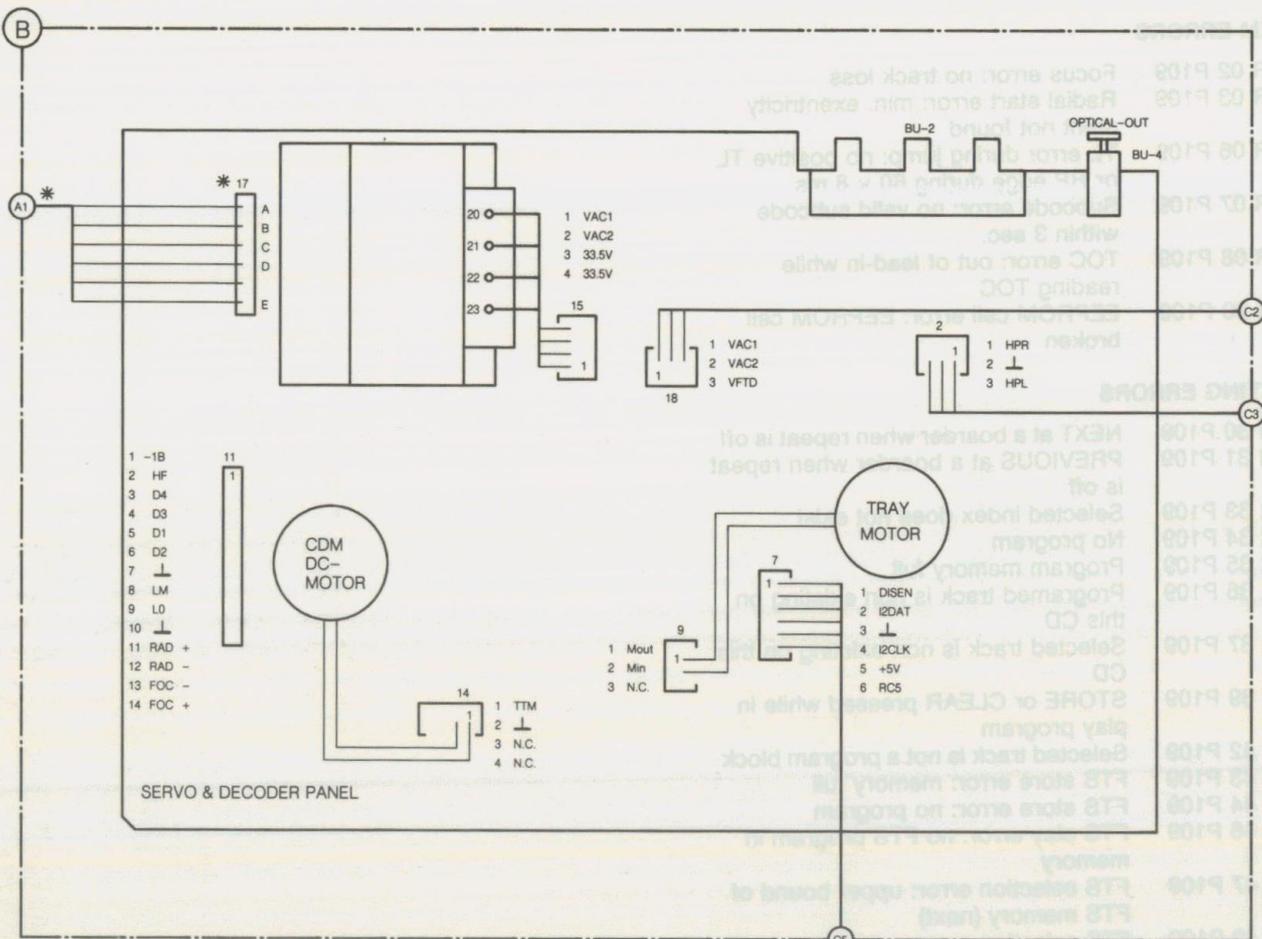
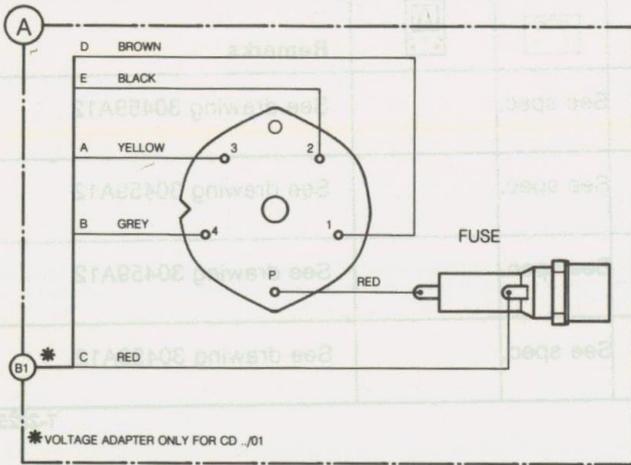
SYSTEM ERRORS

- ERROR 02 P109 Focus error: no track loss
- ERROR 03 P109 Radial start error: min. exentricity point not found
- ERROR 06 P109 TL error during jump: no positive TL or RP edge during 60 x 8 ms
- ERROR 07 P109 Subcode error: no valid subcode within 3 sec.
- ERROR 08 P109 TOC error: out of lead-in while reading TOC
- ERROR 09 P109 EEPROM cell error: EEPROM cell broken

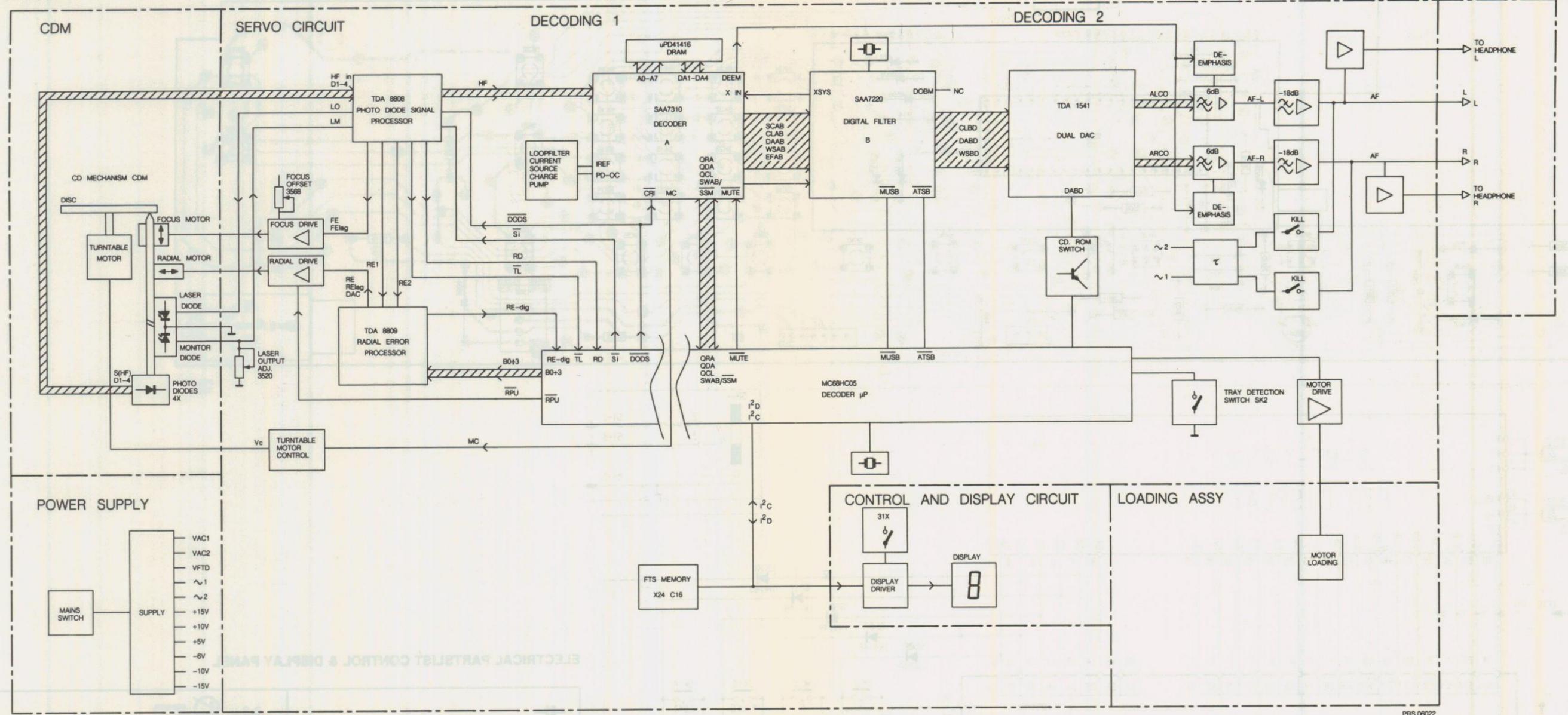
OPERATING ERRORS

- ERROR 30 P109 NEXT at a boarder when repeat is off
- ERROR 31 P109 PREVIOUS at a boarder when repeat is off
- ERROR 33 P109 Selected index does not exist
- ERROR 34 P109 No program
- ERROR 35 P109 Program memory full
- ERROR 36 P109 Programed track is non existing on this CD
- ERROR 37 P109 Selected track is non existing on this CD
- ERROR 39 P109 STORE or CLEAR pressed while in play program
- ERROR 42 P109 Selected track is not a program block
- ERROR 43 P109 FTS store error: memory full
- ERROR 44 P109 FTS store error: no program
- ERROR 46 P109 FTS play error: no FTS program in memory
- ERROR 47 P109 FTS selection error: upper bound of FTS memory (next)
- ERROR 49 P109 FTS selection error: selection request while storing (next/previous)
- ERROR 51 P109 FTS selection error: selection request while storing (review)
- ERROR 52 P109 FTS selection clear error: clear request while storing
- ERROR 54 P109 FTS store error: no record id (TOC) available
- ERROR 56 P109 AB key pressed when not in play mode
- ERROR 57 P109 Store pressed while there is no track selected
- ERROR 60 P109 Fast forward/reverse bound
- ERROR 63 P109 No track possible to play in edit mode
- ERROR 74 P109 Relative time not found
- ERROR 75 P109 Search time out error

WIRING DIAGRAM

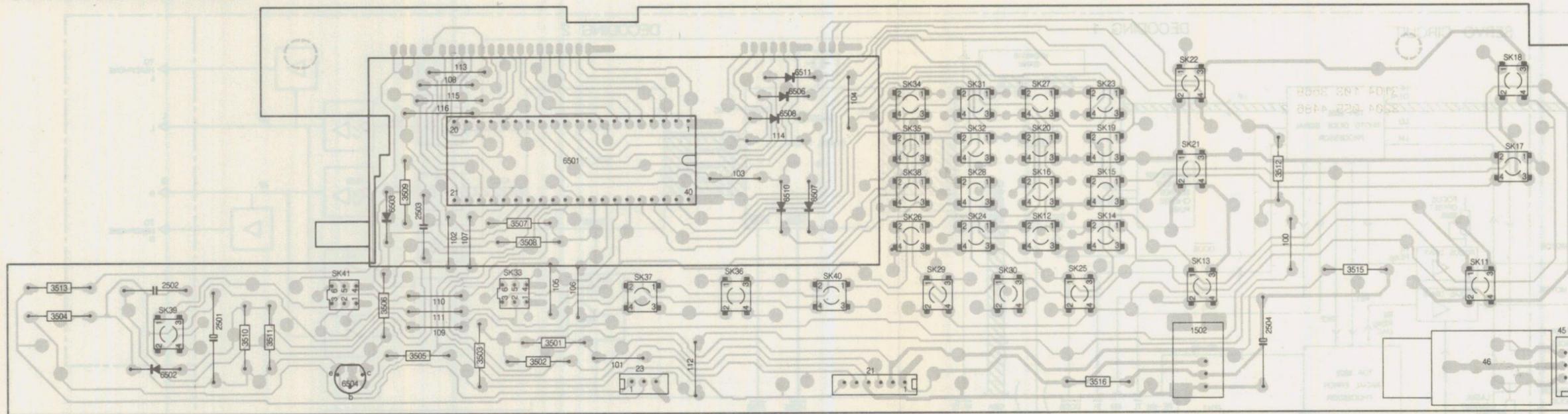


BLOCK DIAGRAM

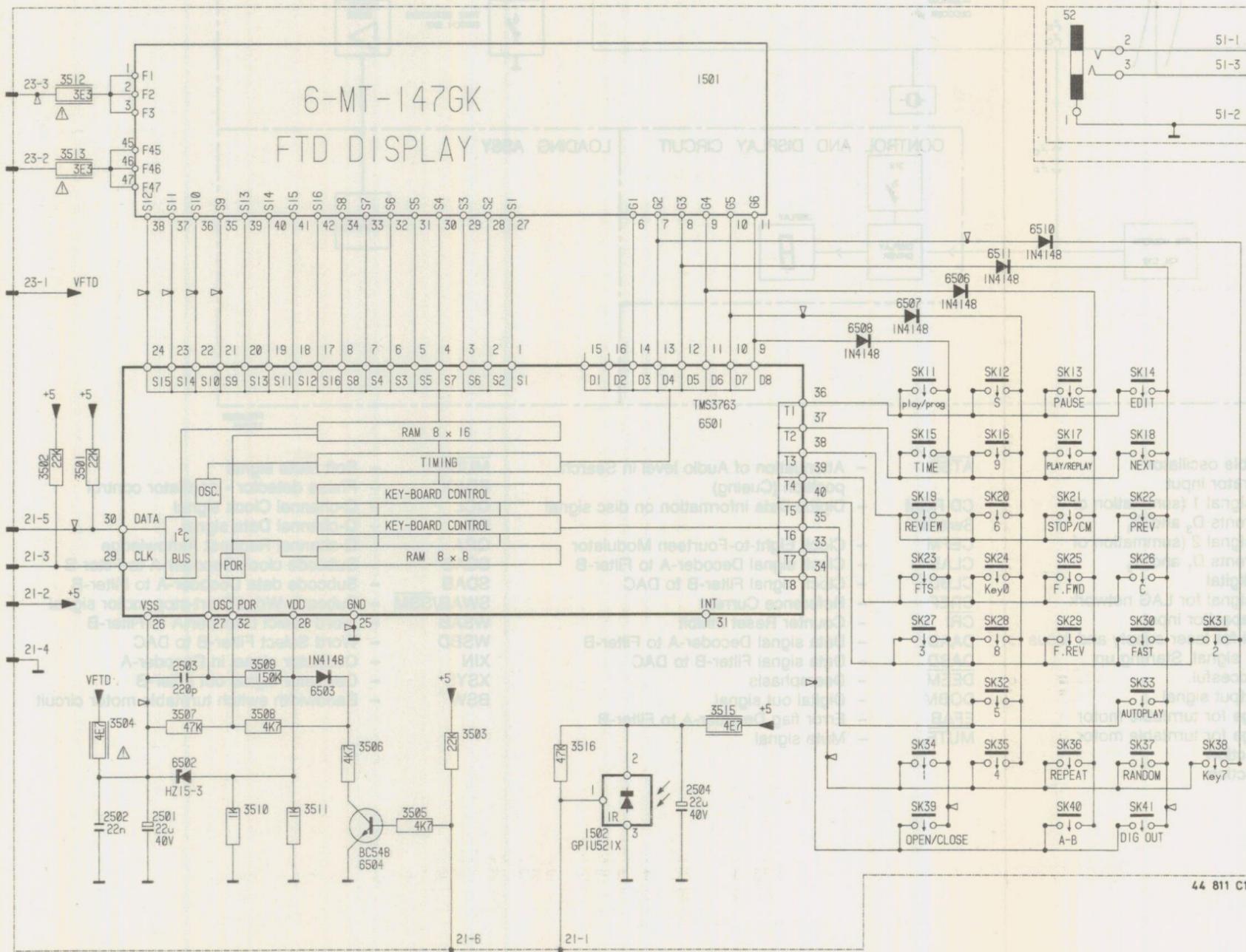


PRS 06022
133/925

- | | | | | | | | |
|------------|---|--------|---|---------------|--|----------|--|
| AGC | - Automatic Gain Control | Rosc | - Resistor wobble oscillator | ATSB | - Attenuation of Audio level in Search position (Cueing) | MUSB | - Soft Mute signal |
| B0-B3 | - Control bits for radial circuit | Rwob | - Wobble generator input | CD ROM Switch | - Digital Data information on disc signal | PD/OC | - Phase detector - oscillator control |
| BEQ | - Equalizer reference current input | RE1 | - Radial error signal 1 (summation of amplified currents D ₃ and D ₄) | CEFM | - Clock Eight-to-Fourteen Modulator | QCL | - Q-channel Clock signal |
| BGC | - DC and LF gain control reference input | RE2 | - Radial error signal 2 (summation of amplified currents D ₁ and D ₂) | CLAB | - Clock signal Decoder-A to Filter-B | QDA | - Q-channel Data signal |
| Cosc1 | - Capacitor wobble oscillator | RE dig | - Radial error digital | CLBD | - Clock signal Filter-B to DAC | QRA | - Q-channel Request Acknowledge |
| Cosc2 | - Capacitor wobble oscillator | RE lag | - Radial error signal for LAG network | CREF | - Reference Current | SCAB | - Subcode clock Decoder-A to Filter-B |
| DEC | - Decoupling input internal bypass | RE lag | - Radial error signal for LAG network | CRI | - Counter Reset Inhibit | SDAB | - Subcode data Decoder-A to Filter-B |
| DET | - HF detector voltage input | Sc | - Starting up capacitor input | DAAB | - Data signal Decoder-A to Filter-B | SWAB/SSM | - Subcode Word/Start-stop motor signal |
| DIV4 | - Divide by 4 input | Si/RD | - On/off control for laser supply and focus circuit. Ready signal, Starting up procedure succesful. | DABD | - Data signal Filter-B to DAC | WSAB | - Word select Decoder-A to Filter-B |
| DODS | - Drop out detector suppression | TL | - Track loss output signal | DEEM | - Deemphasis | WSBD | - Word Select Filter-B to DAC |
| D1+4 | - Photodiode currents | TTM- | - Control voltage for turntable motor | DOBM | - Digital out signal | XIN | - Oscillator signal in Decoder-A |
| FE | - Focus error signal | TTM+ | - Control voltage for turntable motor | EFAB | - Error flag Decoder-A to Filter-B | XSYS | - Oscillator signal out Filter-B |
| FE lag | - Focus error signal for LAG network | Vext- | - Supply connection | MUTE | - Mute signal | BSW | - Bandwidth switch turntable motor circuit |
| HF | - HF output for DEMOD | Vext+ | - Supply connection | | | | |
| 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) | | | | | | |



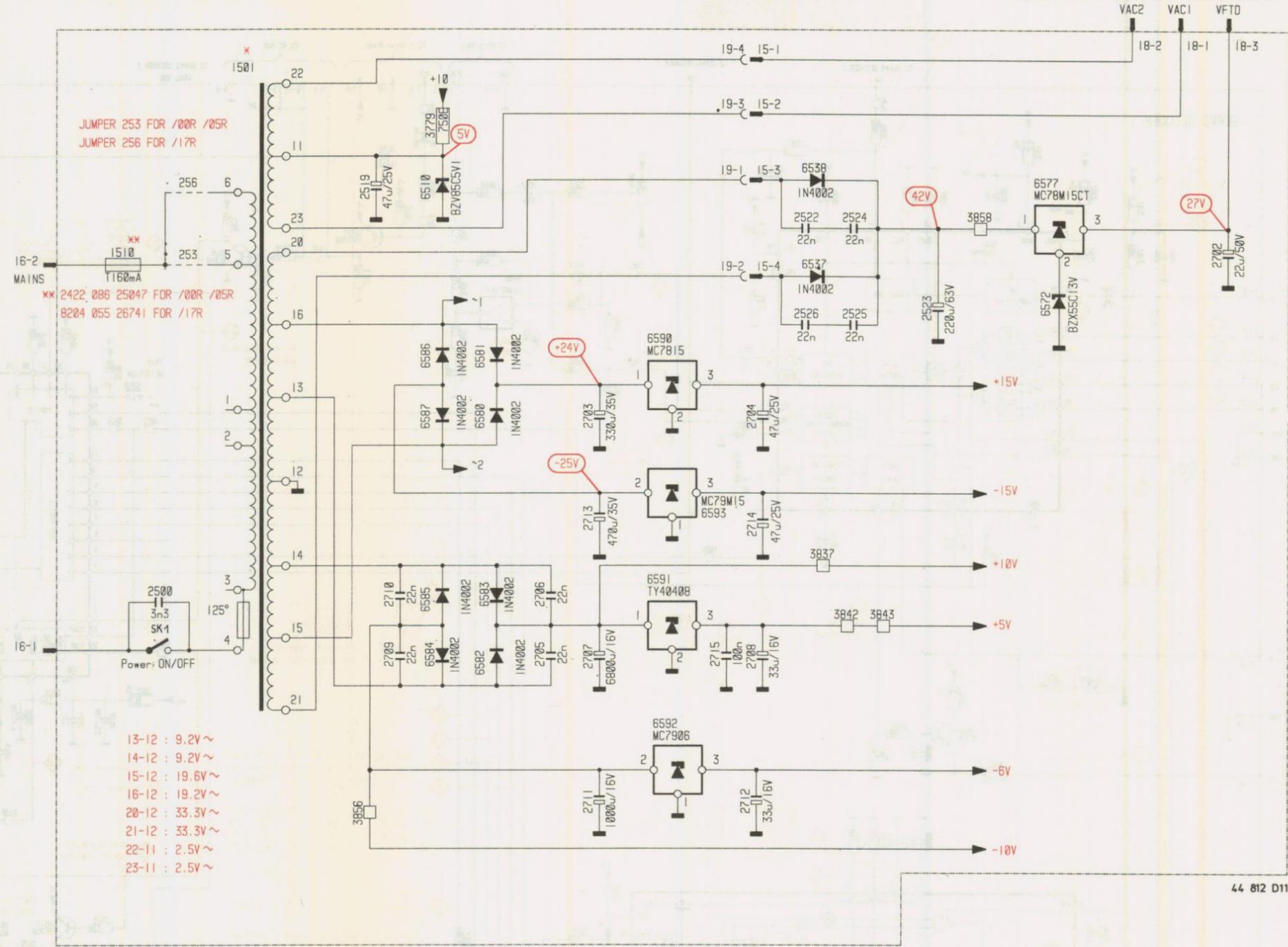
PCB 01605
T28/931



ELECTRICAL PARTSLIST CONTROL & DISPLAY PANEL

	2501	5322 124 21643	22μF 20% 40V	6501	4822 209 72226	U3090MG
	2502	4822 122 10166	22μF 30% 16V	6502	4822 130 81086	BZX55-C15
	2503	4822 122 10172	220pF 10% 50V	6503	4822 130 30621	1N4148
	2504	5322 124 21643	22μF 20% 40V	6504	4822 130 40938	BC548
				6506	4822 130 30621	1N4148
				6507	4822 130 30621	1N4148
				6508	4822 130 30621	1N4148
				6511	4822 130 30621	1N4148
	3501	4822 116 52463	22k 5% 0,5W			
	3502	4822 116 52463	22k 5% 0,5W			
	3503	4822 116 52463	22k 5% 0,5W			
	3504	4822 111 30499	4,7Ω 5% 0,33W			
	3505	4822 116 52426	4k7 5% 0,5W			
	3506	4822 116 52426	4k7 5% 0,5W			
	3507	4822 116 52472	47k 5% 0,5W			
	3508	4822 116 52426	4k7 5% 0,5W			
	3509	4822 116 52501	150k 5% 0,5W			
	3510	4822 116 52391	1k 5% 0,5W			
	3511	4822 116 52391	1k 5% 0,5W			
	3512	4822 111 30593	3,3Ω 5% 0,33W			
	3513	4822 111 30593	3,3Ω 5% 0,33W			
	3515	4822 111 30499	4,7Ω 5% 0,33W			
	3516	4822 116 52472	47k 5% 0,5W			
	SK ..	4822 276 12276	Tact switch (4.3 mm)			
	SK32	4822 267 20463	Switch assy			
	SK39	4822 267 20463	Switch assy			
	0052	4822 267 30743	Phone socket			
	1504	4822 130 90661	Display			
	1502	4822 214 51772	RC receiver			

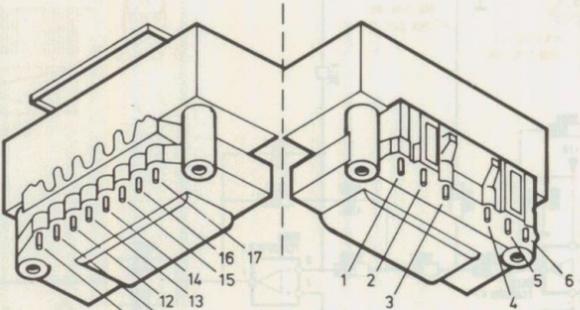
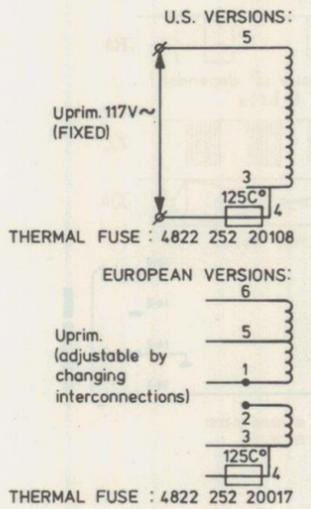
POWER SUPPLY CIRCUIT DIAGRAM



JUMPER 253 FOR /00R /05R
 JUMPER 256 FOR /17R

2422 086 25047 FOR /00R /05R
 8204 055 26741 FOR /17R

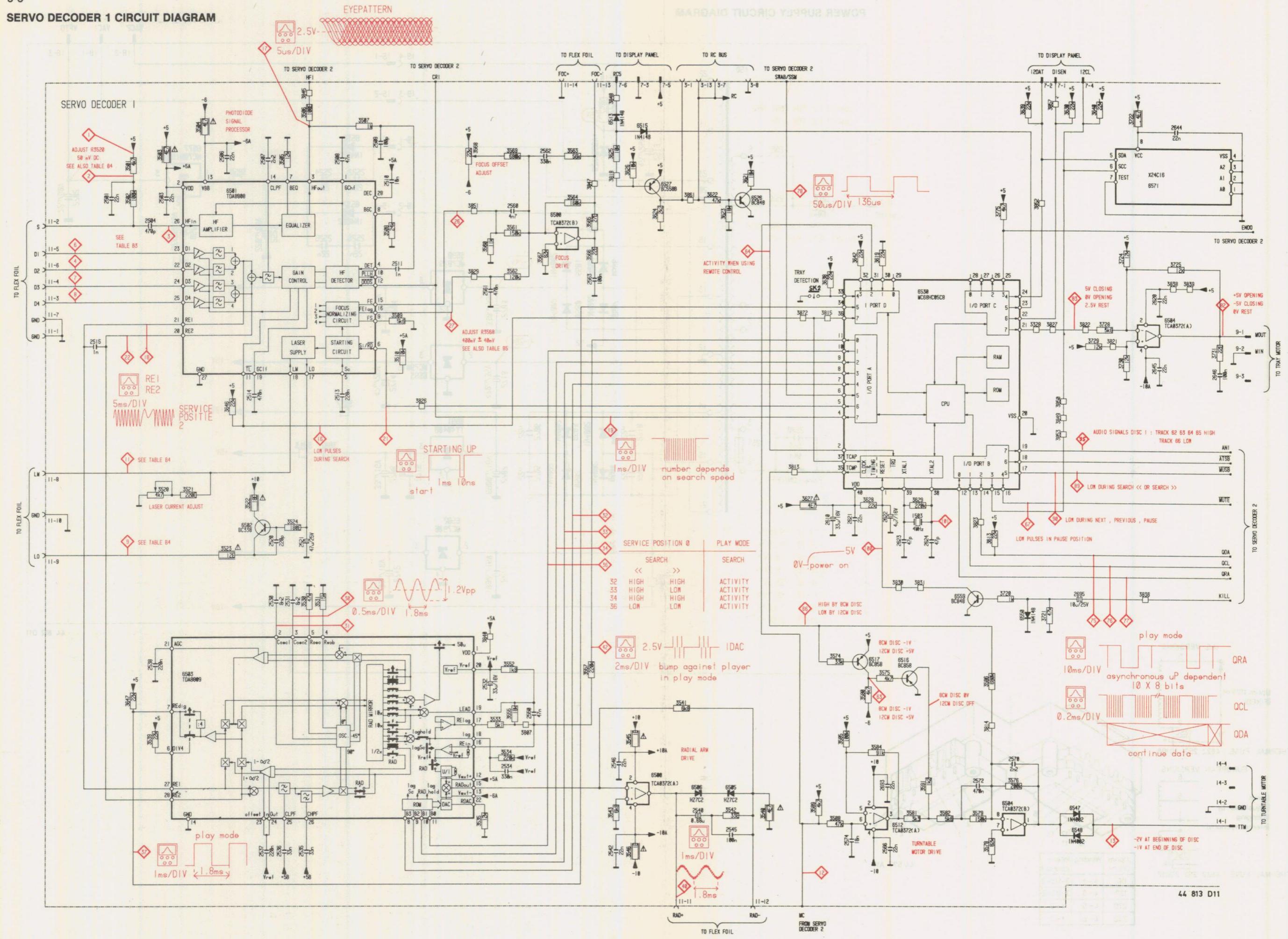
- 13-12 : 9.2V ~
- 14-12 : 9.2V ~
- 15-12 : 19.6V ~
- 16-12 : 19.2V ~
- 20-12 : 33.3V ~
- 21-12 : 33.3V ~
- 22-11 : 2.5V ~
- 23-11 : 2.5V ~



44 577 A11

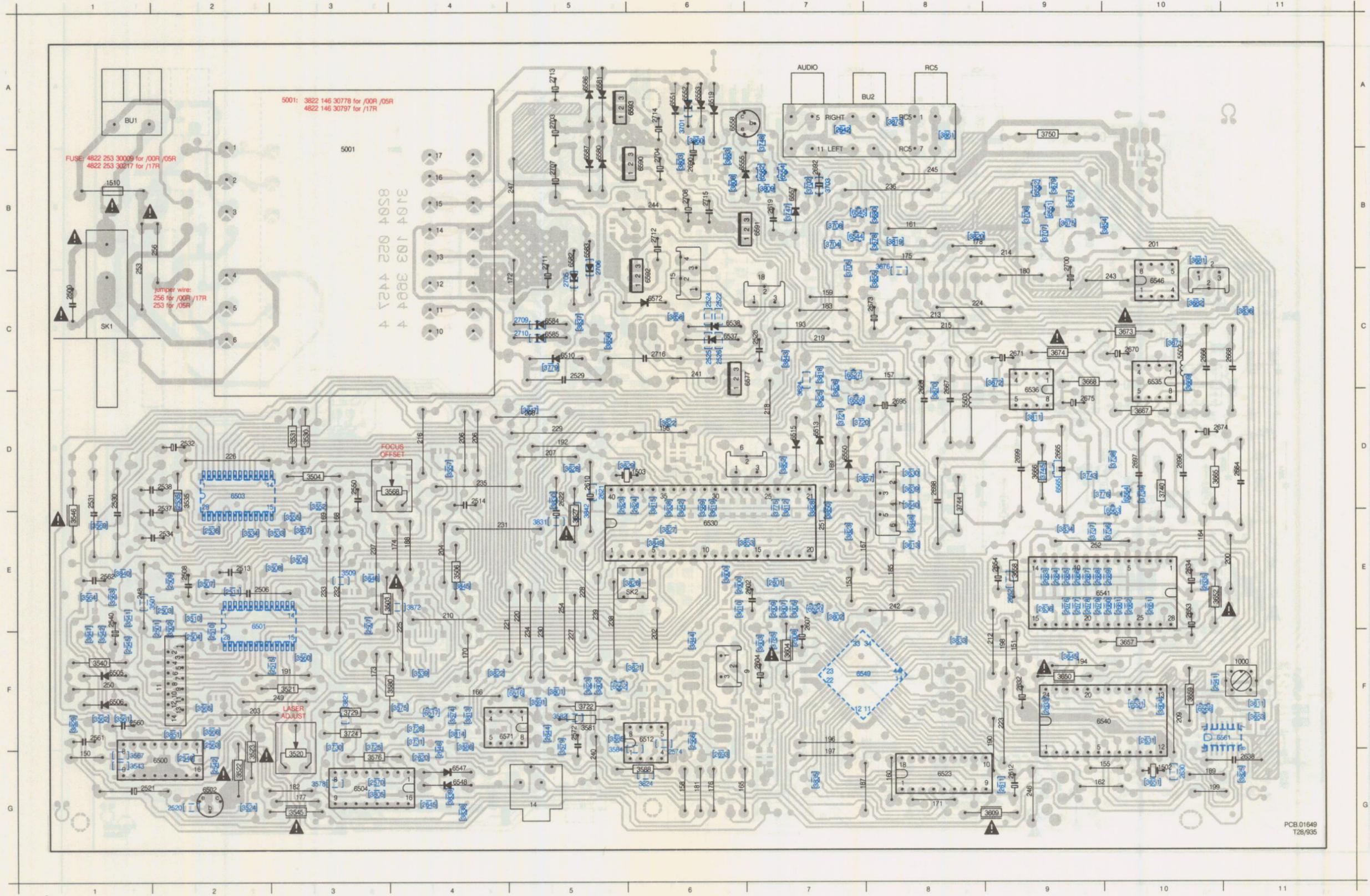
Uprim. (V) ~	Winding	Inter-connect
110	4-1	3-1/5-2
127	4-6	3-1/5-2
220	4-5	1-2
240	4-6	1-2

SERVO DECODER 1 CIRCUIT DIAGRAM



SERVO DECODER PANEL COMPONENT SIDE

85	C 6	181	G 6	206	D 4	229	D 5	250	F 1	2	B10	2528	C 7	2570	G 3	2632	F 9	2669	C 8	2692	B 7	2716	2716	3539	F 11	3611	F 11	3651	G 10	3680	B 8	3737	E 9	3809	B 7	3834	E 9	3857	D 8	6515	D 7	6550	D 7	6581	A 5
86	G 4	182	G 3	206	D 4	230	D 5	252	E 9	2500	C 1	2529	C 5	2572	G 6	2633	F 9	2670	C 10	2693	G 6	2716	2716	3540	F 11	3611	F 11	3651	G 10	3680	B 8	3737	E 9	3809	B 7	3834	E 9	3857	D 8	6515	D 7	6550	D 7	6581	A 5
87	F 9	183	C 7	207	D 5	231	E 4	254	E 5	2501	E 2	253	B 1	2574	G 6	2634	E 10	2671	C 8	2695	D 8	2716	2716	3541	F 11	3612	F 11	3652	E 10	3681	B 10	3738	D 10	3811	D 9	3835	E 9	3858	C 6	6516	F 5	6551	B 9	6582	B 5
88	G 6	185	E 8	208	D 5	232	E 3	256	B 2	2503	E 2	2530	B 2	2574	G 6	2635	E 10	2673	C 8	2696	D 8	2716	2716	3542	F 11	3613	F 11	3653	E 10	3682	C 10	3739	D 10	3812	D 7	3836	C 11	3860	A 6	6517	F 4	6552	A 6	6583	B 5
89	G 6	187	E 7	209	F 10	233	F 3	1000	F 11	2504	F 2	2531	D 1	2574	G 6	2636	E 9	2674	C 8	2697	D 10	2716	2716	3543	F 11	3614	F 11	3654	E 10	3683	C 11	3740	D 10	3813	F 4	3837	C 5	3861	A 8	6518	E 4	6553	A 6	6584	C 5
90	G 8	188	E 4	210	E 4	234	F 5	11	F 2	2506	E 3	2532	D 2	2574	G 6	2637	E 9	2675	C 8	2698	D 10	2716	2716	3544	F 11	3615	F 11	3655	E 10	3684	C 10	3741	D 9	3814	F 4	3838	G 4	3862	B 6	6519	A 6	6554	A 6	6585	C 5
91	E 10	189	G 10	212	F 4	235	D 4	14	F 5	2507	E 2	2534	D 2	2574	G 6	2638	E 11	2676	C 8	2700	D 9	2716	2716	3545	F 11	3616	F 11	3656	E 10	3685	C 9	3742	D 9	3815	D 4	3839	G 4	3872	E 4	6520	C 8	6555	A 6	6586	A 5
92	G 6	190	F 9	213	C 8	236	B 8	15	C 6	2508	E 2	2535	E 2	2574	G 6	2639	E 9	2677	C 8	2701	D 9	2716	2716	3546	F 11	3617	F 11	3657	E 10	3686	C 9	3743	D 9	3816	C 7	3840	E 1	3873	A 8	6521	C 7	6556	B 7	6587	B 5
93	E 7	191	F 3	214	C 8	237	E 3	150	G 1	2509	E 2	2536	E 2	2574	G 6	2640	E 7	2678	C 8	2702	A 5	2716	2716	3547	F 11	3618	F 11	3658	E 10	3687	C 9	3744	D 9	3817	B 8	3841	C 7	3874	A 7	6522	C 7	6557	B 6	6588	B 7
94	E 3	192	D 5	215	D 4	238	E 5	1502	G 10	251	E 7	2537	D 2	2574	G 6	2641	E 5	2678	C 8	2703	A 5	2716	2716	3548	F 11	3619	F 11	3659	E 10	3688	C 9	3745	D 9	3818	B 8	3842	D 5	3875	A 7	6523	C 7	6558	B 6	6589	B 7
95	E 3	194	F 9	216	D 4	239	E 5	1503	D 6	2510	E 2	2538	D 2	2574	G 6	2642	E 4	2678	C 8	2704	A 5	2716	2716	3549	F 11	3620	F 11	3660	E 10	3689	C 9	3746	D 9	3819	B 8	3843	C 7	3876	A 7	6524	C 7	6559	B 7	6590	B 6
96	G 8	195	D 6	218	D 7	240	D 7	1510	B 1	2511	E 2	2540	E 2	2574	G 6	2643	E 4	2680	C 5	2705	C 5	2716	2716	3550	F 11	3621	F 11	3661	E 10	3690	B 9	3747	D 9	3820	B 8	3844	F 6	3877	A 7	6525	C 10	6560	A 6	6591	C 6
97	F 4	196	F 7	219	C 7	241	C 7	155	G 10	2513	E 2	2542	E 2	2574	G 6	2644	E 4	2681	C 5	2706	C 5	2716	2716	3551	F 11	3622	F 11	3662	E 10	3691	D 7	3748	D 7	3821	F 4	3878	D 7	3881	F 4	6526	D 9	6561	D 7	6592	A 6
98	C 8	197	G 10	220	C 7	242	C 8	155	G 10	2514	D 4	2545	F 1	2574	G 6	2645	E 9	2682	C 5	2707	C 5	2716	2716	3552	F 11	3623	F 11	3663	E 10	3692	D 7	3749	D 7	3822	F 4	3879	D 7	3882	F 4	6527	C 6	6562	F 10	6593	A 6
99	E 4	198	F 9	221	F 4	243	C 10	159	C 7	2515	F 3	2546	D 2	2574	G 6	2646	E 10	2684	C 5	2708	C 5	2716	2716	3553	F 11	3624	F 11	3664	E 10	3693	D 7	3750	F 5	3823	G 11	3879	C 5	6528	C 6	6563	F 5	6594	D 8		
100	E 4	199	G 10	223	F 9	244	C 9	243	B 8	2516	F 3	2547	D 2	2574	G 6	2647	E 9	2685	C 5	2709	C 5	2716	2716	3554	F 11	3625	F 11	3665	E 10	3694	D 7	3751	F 5	3824	G 11	3880	F 5	6529	F 10	6564	B 7	6595	C 6		
101	B 8	200	E 11	224	C 8	245	B 8	162	G 9	2517	C 1	2548	D 2	2574	G 6	2648	D 11	2686	C 5	2710	C 5	2716	2716	3555	F 11	3626	F 11	3666	E 10	3695	D 7	3752	F 5	3825	G 11	3881	F 5	6530	B 3	6565	B 6	6596	B 7		
102	G 6	201	B 10	225	A 4	246	G 9	166	F 4	2522	C 6	2561	F 1	2574	G 6	2649	D 9	2687	C 5	2711	B 5	2716	2716	3556	F 11	3627	F 11	3667	E 10	3696	D 7	3753	F 5	3826	F 6	3882	D 7	6531	F 10	6566	B 7	6597	B 6		
103	G 3	202	F 6	226	D 2	247	B 5	18	C 7	2524	C 6	2562	F 1	2574	G 6	2650	D 5	2688	C 10	2712	B 6	2716	2716	3557	F 11	3628	F 11	3668	E 10	3697	D 7	3754	F 5	3827	F 6	3883	D 7	6532	D 9	6567	D 7	6598	A 6		
104	E 8	203	F 2	227	F 5	248	F 1	189	C 7	2525	C 6	2563	F 2	2574	G 6	2651	D 6	2689	C 10	2713	A 5	2716	2716	3558	F 11	3629	F 11	3669	E 10	3698	D 7	3755	F 5	3828	G 3	3884	B 10	6533	C 6	6568	F 1	6599	A 6		
105	C 9	204	E 4	228	F 5	249	F 3	193	C 7	2526	C 6	2564	F 2	2574	G 6	2652	C 11	2690	B 6	2714	A 6	2716	2716	3559	F 11	3630	F 11	3670	E 10	3699	D 7	3756	F 5	3829	F 8	3885	B 10	6534	B 10	6569	F 8	6600	B 5		

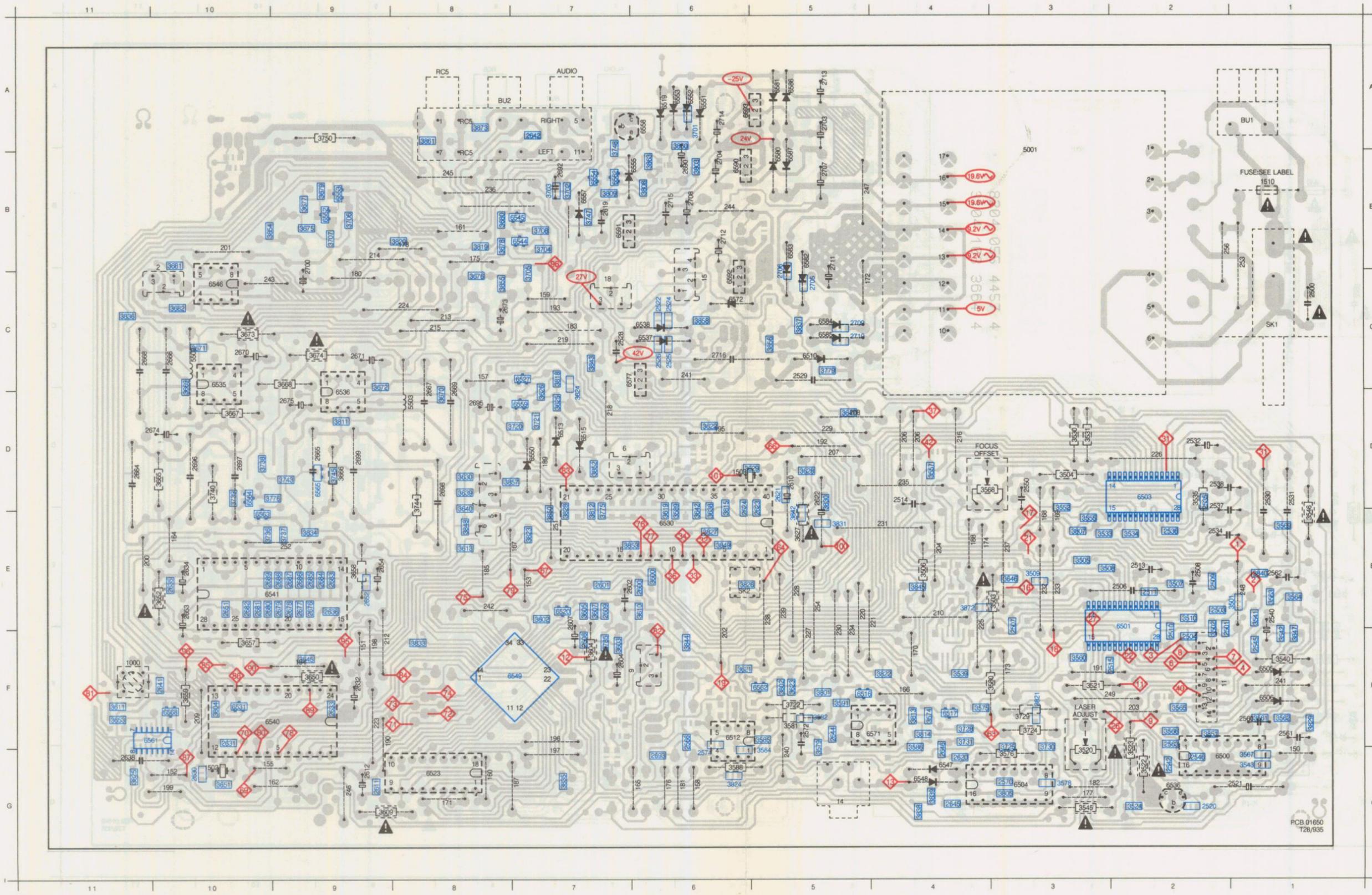


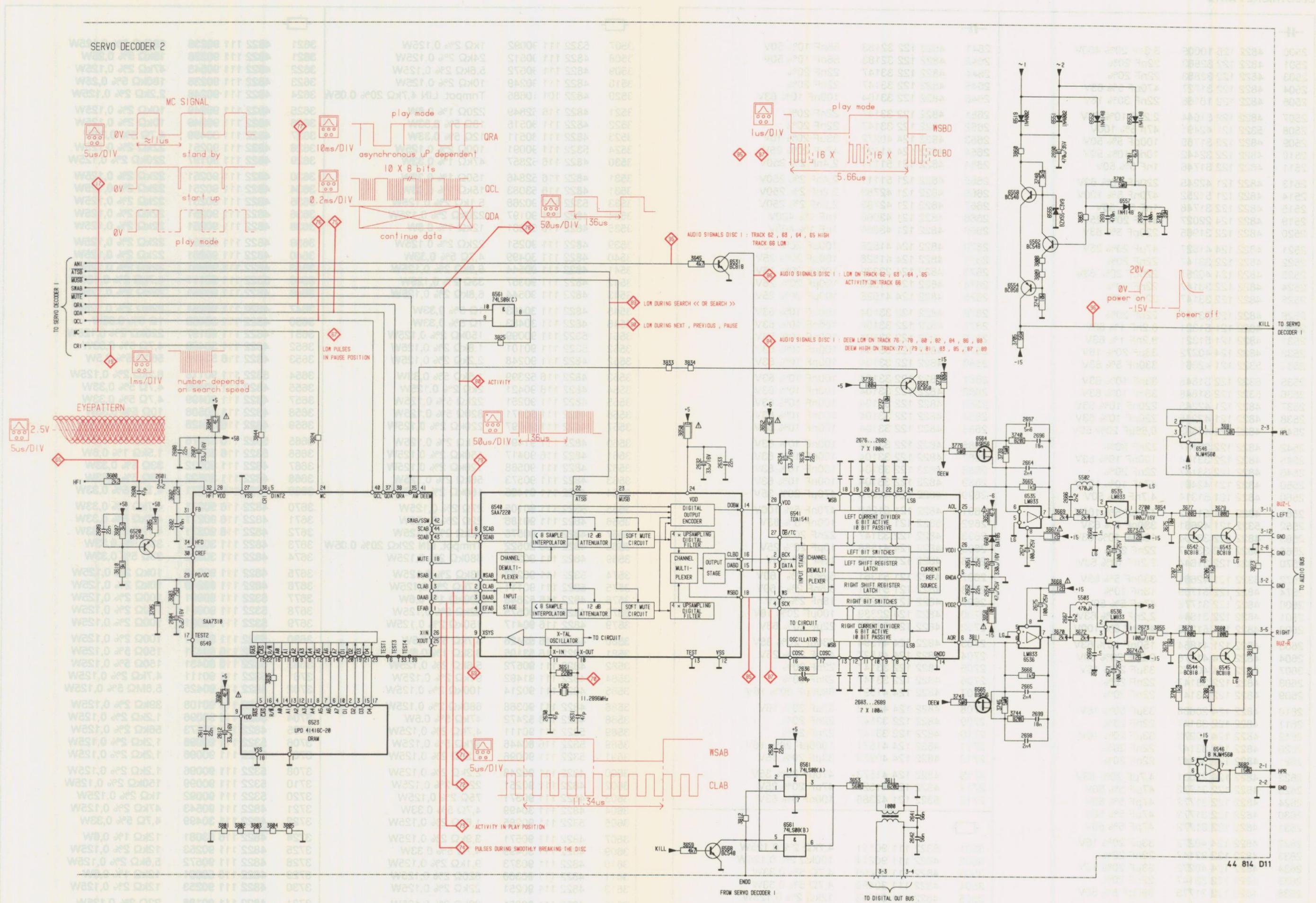
PCB.01649
T28/935

SERVO DECODER PANEL SOLDER SIDE

SERVO DECODER PANEL COMPONENT LIST

65	C	6	181	G	6	206	D	4	229	D	5	250	F	1	2	B10	2528	C	7	2570	G	3	2632	F	9	2669	C	8	2692	B	7	2716	C	6	3539	F	4	3575	F	4	3575	F	4	3611	F11	3651	G10	3680	B	8	3737	E	9	3809	B	7	3834	E	9	3857	D	8	6515	D	7	6550	D	7	6581	A	5
654	C	6	182	G	3	206	D	4	230	F	5	252	E	9	2500	C	5	2529	C	5	2572	G	5	2633	F	9	2670	C	10	2693	D	6	2716	C	6	3540	F	1	3576	F	1	3612	F11	3652	G10	3681	B	10	3738	E	10	3810	B	7	3835	E	9	3858	D	8	6516	D	7	6551	B	9	6582	B	5		
151	F	7	183	C	7	207	D	5	231	F	4	254	E	5	2501	B	1	2530	C	4	2574	G	6	2634	F	10	2671	C	9	2694	D	7	2717	C	7	3541	F	2	3577	F	2	3613	F11	3653	G10	3682	B	11	3739	D	10	3811	D	9	3836	C	11	3860	A	6	6517	F	4	6552	B	7	6583	B	5		
153	G	6	185	E	8	208	F	10	232	F	3	256	B	2	2503	D	1	2531	D	1	2575	G	7	2635	F	11	2672	C	8	2695	D	8	2718	C	8	3542	F	3	3578	F	3	3614	F11	3654	G10	3683	B	9	3740	D	11	3812	F	4	3837	C	5	3861	A	6	6518	A	6	6553	A	6	6584	C	5		
158	G	6	186	G	7	209	F	11	233	F	2	1000	F	11	2504	F	2	2532	D	2	2576	G	8	2636	F	12	2673	C	9	2696	D	9	2719	C	9	3543	F	4	3579	F	4	3615	F11	3655	G10	3684	B	10	3741	D	12	3813	F	5	3838	C	6	3862	A	7	6519	A	7	6554	A	7	6585	C	6		
160	E	10	188	F	4	210	F	4	234	F	1	11	F	2	2506	F	3	2533	D	3	2577	G	9	2637	F	13	2674	D	10	2697	D	10	2720	C	10	3544	F	5	3580	F	5	3616	F11	3656	G10	3685	B	11	3742	D	13	3814	F	6	3839	C	7	3863	B	6	6520	E	7	6555	B	7	6586	C	5		
164	E	10	189	G	10	212	F	5	235	F	5	14	G	5	2507	F	4	2534	D	4	2578	G	10	2638	F	14	2675	D	11	2698	D	11	2721	C	11	3545	F	6	3581	F	6	3617	F11	3657	G10	3686	B	12	3743	D	14	3815	D	6	3839	G	4	3872	E	4	6521	G	8	6556	A	6	6587	C	5		
165	G	6	190	F	9	213	C	6	236	B	8	15	C	6	2508	F	5	2535	D	5	2579	G	11	2639	F	15	2676	E	9	2699	D	12	2722	C	12	3546	F	7	3582	F	7	3618	F11	3658	G10	3687	B	13	3744	D	15	3816	C	7	3840	E	1	6522	C	7	6557	B	7	6588	B	5					
167	E	10	191	F	3	214	C	7	237	E	3	150	G	1	2509	F	6	2536	D	6	2580	G	12	2640	F	16	2677	E	10	2700	B	9	2723	C	13	3547	F	8	3583	F	8	3619	F11	3659	G10	3688	B	14	3745	D	16	3817	C	8	3841	F	2	6523	G	8	6558	A	6	6589	B	6					
168	E	10	192	D	5	215	C	8	238	E	4	1502	G	10	2511	F	7	2537	D	7	2581	G	13	2641	F	17	2678	E	11	2701	B	10	2724	C	14	3548	F	9	3584	F	9	3620	F11	3660	G10	3689	B	15	3746	D	17	3818	C	9	3842	D	5	6524	E	6	6559	B	6	6590	B	6					
169	E	10	194	F	9	216	D	4	239	E	5	1503	D	6	2510	F	8	2538	D	8	2582	G	14	2642	F	18	2679	E	12	2702	B	11	2725	C	15	3549	F	10	3585	F	10	3621	F11	3661	G10	3690	B	16	3747	D	18	3819	B	7	3843	C	7	6525	F	7	6560	B	7	6591	B	7					
170	F	4	195	D	6	218	D	4	240	D	4	1510	B	1	2511	F	9	2539	D	9	2583	G	15	2643	F	19	2680	E	13	2703	B	12	2726	C	16	3550	F	11	3586	F	11	3622	F11	3662	G10	3691	B	17	3748	D	19	3820	F	3	6526	E	8	6561	A	6	6592	A	6	6592	A	6					
171	G	6	196	F	7	219	C	7	241	C	6	155	G	10	2513	F	10	2540	D	10	2584	G	16	2644	F	20	2681	E	14	2704	B	13	2727	C	17	3551	F	12	3587	F	12	3623	F11	3663	G10	3692	B	18	3749	D	20	3821	F	4	6527	C	7	6562	B	7	6593	A	6	6593	A	6					
172	F	3	197	G	7	220	E	5	242	E	6	157	C	8	2514	F	11	2541	D	11	2585	G	17	2645	F	21	2682	E	15	2705	B	14	2728	C	18	3552	F	13	3588	F	13	3624	F11	3664	G10	3693	B	19	3750	D	21	3822	F	5	6528	E	9	6563	B	7	6594	A	6	6594	A	6					
173	F	3	198	F	9	221	C	7	243	C	7	159	C	7	2515	F	12	2542	D	12	2586	G	18	2646	F	22	2683	E	16	2706	B	15	2729	C	19	3553	F	14	3589	F	14	3625	F11	3665	G10	3694	B	20	3751	D	22	3823	F	6	6529	F	6	6564	B	7	6595	A	6	6595	A	6					
174	E	10	199	G	10	224	B	8	244	B	6	161	B	8	2516	F	13	2543	D	13	2587	G	19	2647	F	23	2684	E	17	2707	B	16	2730	C	20	3554	F	15	3590	F	15	3626	F11	3666	G10	3695	B	21	3752	D	23	3824	F	7	6530	E	6	6565	B	7	6596	B	6	6596	B	6					
175	B	8	200	E	11	224	B	8	245	B	8	162	G	9	2517	F	14	2544	D	14	2588	G	20	2648	F	24	2685	E	18	2708	B	17	2731	C	21	3555	F	16	3591	F	16	3627	F11	3667	G10	3696	B	22	3753	D	24	3825	F	8	6531	F	10	6566	B	7	6597	B	6	6597	B	6					
176	G	6	201	B	10	225	D	4	246	B	9	166	F	4	2518	F	15	2545	D	15	2589	G	21	2649	F	25	2686	E	19	2709	B	18	2732	C	22	3556	F	17	3592	F	17	3628	F11	3668	G10	3697	B	23	3754	D	25	3826	F	9	6532	D	8	6567	A	6	6598	A	6	6598	A	6					
177	G	6	202	F	6	226	D	4	247	B	5	168	C	7	2519	F	16	2546	D	16	2590	G	22	2650	F	26	2687	E	20	2710	B	19	2733	C	23	3557	F	18	3593	F	18	3629	F11	3669	G10	3698	B	24	3755	D	26	3827	F	10	6533	E	7	6568	F	10	6599	A	6	6599	A	6					
178	B	8	203	F	2	227	D	4	248	E	1	169	C	7	2520	F	17	2547	D	17	2591	G	23	2651	F	27	2688	E	21	2711	B	20	2734	C	24	3558	F	19	3594	F	19	3630	F11	3670	G10	3699	B	25	3756	D	27	3828	F	11	6534	B	7	6569	B	6	6599	A	6	6599	A	6					
180	C	9	204	E	4	228	E	5	249	F	3	193	C	7	2521	F	18	2548	D	18	2592	G	24	2652	F	28	2689	E	22	2712	B	21	2735	C	25	3559	F	20	3595	F	20	3631	F11	3671	G10	3700	B	26	3757	D	28	3829	F	12	6535	C	6	6570	B	6	6599	A	6	6599	A	6					





ELECTRICAL PARTS

2500	4822 126 10005	3,3nF 20% 400V
2501	4822 122 32863	22nF 20%
2503	4822 122 32863	22nF 20%
2504	4822 122 31727	470pF 5% 63V
2506	4822 122 10166	22nF 30% 16V
2507	4822 122 31644	2,2nF 10% 63V
2508	5322 121 42491	47n 5% 100V
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	4822 124 41527	47μF 20% 25V
2522	4822 122 33147	22nF 20%
2523	4822 124 40257	220μF 20% 63V
2524	4822 122 33147	22nF 20%
2525	4822 122 33147	22nF 20%
2526	4822 122 33147	22nF 20%
2530	4822 121 51321	8,2nF 1% 63V
2531	4822 121 51321	8,2nF 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	0,68μF 20% 50V
2542	4822 122 33147	22nF 20%
2545	4822 122 33104	100nF 10% 63V
2546	4822 122 33147	22nF 20%
2550	4822 121 42491	47nF 10% 100V
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%
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
2603	4822 121 41854	150nF 10% 63V
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 20688	33μF 50% 16V
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 40272	33μF 20% 16V
2635	4822 122 33147	22nF 20%
2636	4822 122 31775	680pF 5% 50V
2638	4822 122 10166	22nF 30% 16V
2640	4822 122 33147	22nF 20%
2641	4822 122 32183	56nF 10% 50V
2642	4822 122 32183	56nF 10% 50V
2644	4822 122 33147	22nF 20%
2645	4822 122 33147	22nF 20%
2646	4822 122 33104	100nF 10% 63V
2651	4822 122 33147	22nF 20%
2652	4822 122 33147	22nF 20%
2653	4822 124 40272	33μF 20% 16V
2654	4822 124 41527	47μF 20% 25V
2664	4822 121 51111	2,4nF 2% 250V
2665	4822 121 51111	2,4nF 2% 250V
2666	4822 121 42783	2,2nF 2% 250V
2667	4822 121 42783	2,2nF 2% 250V
2668	4822 121 43066	1nF 1% 400V
2669	4822 121 43066	1nF 1% 400V
2670	4822 124 41528	100μF 20% 25V
2671	4822 124 41528	100μF 20% 25V
2673	4822 124 22339	100μF 20% 16V
2674	4822 124 41528	100μF 20% 25V
2675	4822 124 41528	100μF 20% 25V
2676	4822 122 33104	100nF 10% 63V
2677	4822 122 33104	100nF 10% 63V
2678	4822 122 33104	100nF 10% 63V
2679	4822 122 33104	100nF 10% 63V
2680	4822 122 33104	100nF 10% 63V
2681	4822 122 33104	100nF 10% 63V
2682	4822 122 33104	100nF 10% 63V
2683	4822 122 33104	100nF 10% 63V
2684	4822 122 33104	100nF 10% 63V
2685	4822 122 33104	100nF 10% 63V
2686	4822 122 33104	100nF 10% 63V
2687	4822 122 33104	100nF 10% 63V
2688	4822 122 33104	100nF 10% 63V
2689	4822 122 33104	100nF 10% 63V
2690	4822 124 41573	470μF 20% 35V
2691	4822 121 51252	470nF 5% 100V
2692	5322 121 42386	100nF 5% 63V
2693	4822 122 33147	22nF 20%
2695	4822 124 41558	10μF 20% 25V
2696	4822 121 51225	18nF 2% 63V
2697	4822 121 51361	5,6nF 2% 160V
2698	4822 121 51361	5,6nF 2% 160V
2699	4822 121 51225	18nF 2% 63V
2700	4822 124 22339	100μF 20% 16V
2702	4822 124 22337	22μF 20% 63V
2703	4822 124 41594	330μF 20% 35V
2704	4822 124 41527	47μF 20% 25V
2705	4822 122 33147	22nF 20%
2706	4822 122 33147	22nF 20%
2707	4822 124 41591	6800μF 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 124 41573	470μF 20% 35V
2714	4822 124 41527	47μF 20% 25V
2715	5322 121 42386	100nF 5% 63V
3501	5322 111 90111	4,7kΩ 2% 0,125W
3502	4822 111 90214	100kΩ 2% 0,125W
3503	4822 111 30499	4,7Ω 5% 0,33W
3504	4822 111 30499	4,7Ω 5% 0,33W
3505	4822 111 90253	12kΩ 2% 0,125W
3506	4822 116 52389	100Ω 5% 0,5W

3507	5322 111 90092	1kΩ 2% 0,125W
3508	4822 111 90512	24kΩ 2% 0,125W
3509	4822 111 90572	5,6kΩ 2% 0,125W
3510	4822 111 90249	10kΩ 2% 0,125W
3520	4822 101 10685	Trimpot. LIN 4,7kΩ 20% 0,05W
3521	4822 116 52849	220Ω 1% 0,6W
3522	4822 111 30515	18Ω 5% 0,33W
3523	4822 111 30511	12Ω 5% 0,33W
3524	5322 111 90091	100Ω 2% 0,125W
3530	4822 116 52857	47kΩ 1% 0,33W
3531	4822 116 52846	150Ω 1% 0,33W
3531	4822 116 53083	15kΩ 1% 0,33W
3533	5322 111 90268	5,1kΩ 2% 0,125W
3534	4822 111 90197	220kΩ 2% 0,125W
3535	4822 116 53081	12kΩ 1% 0,6W
3539	4822 111 90251	22kΩ 2% 0,125W
3540	4822 111 30499	4,7Ω 5% 0,33W
3541	4822 111 90544	6,8kΩ 2% 0,125W
3542	4822 111 90357	33Ω 2% 0,125W
3543	4822 111 90544	6,8kΩ 2% 0,125W
3545	4822 111 30483	1Ω 5% 0,33W
3546	4822 111 30483	1Ω 5% 0,33W
3551	5322 111 90099	150kΩ 2% 0,125W
3552	5322 111 90101	1,8kΩ 2% 0,125W
3552	4822 111 90248	2,2kΩ 2% 0,125W
3553	4822 116 52399	1,5kΩ 5% 0,33W
3554	4822 116 90421	2kΩ 2% 0,125W
3555	4822 111 90251	22kΩ 5% 0,125W
3556	4822 111 90171	820Ω 5% 0,125W
3557	4822 111 90197	220kΩ 2% 0,125W
3560	4822 111 91494	11kΩ 2% 0,125W
3561	4822 116 90417	150kΩ 2% 0,125W
3562	4822 111 90568	120kΩ 2% 0,125W
3563	4822 111 90573	56kΩ 2% 0,125W
3564	4822 111 91495	160kΩ 2% 0,125W
3565	5322 111 90105	27Ω 2% 0,125W
3566	4822 111 90186	22Ω 2% 0,125W
3567	4822 111 90575	82kΩ 2% 0,125W
3568	4822 100 20522	Trimpot. LIN 22kΩ 20% 0,05W
3569	4822 111 90368	680kΩ 2% 0,125W
3574	5322 111 90267	33kΩ 2% 0,125W
3575	5322 111 90111	4,7kΩ 2% 0,125W
3576	4822 116 52848	200kΩ 1% 0,6W
3578	4822 111 90575	82kΩ 2% 0,125W
3579	4822 116 90417	150kΩ 2% 0,125W
3580	4822 116 52426	4,7kΩ 5% 0,5W
3581	4822 116 53105	3,3kΩ 1% 0,6W
3582	4822 111 90572	5,6kΩ 2% 0,125W
3584	4822 111 91492	91kΩ 2% 0,125W
3585	4822 111 90214	100kΩ 2% 0,125W
3586	4822 111 90368	680kΩ 2% 0,125W
3588	4822 116 52472	47kΩ 5% 0,5W
3589	5322 111 90111	4,7kΩ 2% 0,125W
3589	5322 116 80446	47kΩ 5% 0,125W
3591	5322 111 90096	1,2kΩ 2% 0,125W
3600	4822 111 90248	2,2kΩ 2% 0,125W
3602	4822 111 90251	22kΩ 2% 0,125W
3603	4822 111 90371	75Ω 2% 0,125W
3604	4822 111 30499	4,7Ω 5% 0,33W
3605	5322 111 90265	1,6kΩ 2% 0,125W
3607	4822 111 90571	3,9kΩ 2% 0,125W
3609	4822 111 30499	4,7Ω 5% 0,33W
3610	4822 111 90373	9,1kΩ 2% 0,125W
3611	4822 111 90366	620Ω 2% 0,125W
3613	4822 111 90251	22kΩ 2% 0,125W
3619	4822 111 90251	22kΩ 2% 0,125W
3620	4822 111 90238	18kΩ 5% 0,125W
3621	4822 111 90238	180kΩ 5% 0,125W
3621	4822 111 90238	18kΩ 5% 0,25W
3622	4822 111 90543	47kΩ 2% 0,125W
3623	4822 111 90238	180kΩ 5% 0,25W
3624	4822 111 90248	2,2kΩ 2% 0,125W
3625	4822 111 90249	10kΩ 2% 0,125W
3626	4822 111 90249	10kΩ 2% 0,125W
3627	4822 111 30499	4,7Ω 5% 0,33W
3628	4822 111 90251	22kΩ 2% 0,125W
3629	4822 111 90197	220kΩ 2% 0,125W
3630	4822 111 90251	22kΩ 2% 0,125W
3634	4822 111 90251	22kΩ 2% 0,125W
3635	4822 111 90251	22kΩ 2% 0,125W
3636	4822 111 90251	22kΩ 2% 0,125W
3638	4822 111 90251	22kΩ 2% 0,125W
3639	4822 111 90251	22kΩ 2% 0,125W
3640	4822 111 90251	22kΩ 2% 0,125W
3643	4822 111 90251	22kΩ 2% 0,125W
3645	5322 111 90111	4,7kΩ 2% 0,125W
3646	4822 111 90251	22kΩ 2% 0,125W
3647	4822 111 90251	22kΩ 2% 0,125W
3650	4822 111 30483	1Ω 5% 0,33W
3651	4822 111 90197	220kΩ 2% 0,125W
3652	4822 111 30499	4,7Ω 5% 0,33W
3653	4822 116 52428	560Ω 5% 0,5W
3654	5322 111 90118	8,2kΩ 2% 0,125W
3655	4822 111 30499	4,7Ω 5% 0,33W
3657	4822 111 30499	4,7Ω 5% 0,33W
3658	4822 111 30508	10Ω 5% 0,33W
3659	4822 116 52426	4,7kΩ 5% 0,5W
3665	5322 116 53478	1,5kΩ 1% 0,6W
3666	5322 116 53478	1,5kΩ 1% 0,6W
3667	4822 111 30522	33Ω 5% 0,33W
3668	4822 111 30522	33Ω 5% 0,33W
3669	4822 116 90271	4,7kΩ 5% 0,33W
3670	4822 116 90271	4,7kΩ 5% 0,33W
3671	4822 116 90271	4,7kΩ 5% 0,33W
3672	4822 116 90271	4,7kΩ 5% 0,33W
3673	4822 111 30522	33Ω 5% 0,33W
3674	4822 111 30522	33Ω 5% 0,33W
3675	4822 111 90249	10kΩ 2% 0,125W
3676	4822 111 90249	10kΩ 2% 0,125W
3677	5322 111 90091	100Ω 2% 0,125W
3678	5322 11	

					
3736	4822 111 90214	100kΩ 2% 0,125W	6500	4822 209 72587	TCA0372DP2
3737	4822 111 90249	10kΩ 2% 0,125W	6501	4822 209 73234	TDA8808T/C3
3738	4822 111 90214	100kΩ 2% 0,125W	6502	4822 130 44121	BC338
3739	4822 111 90425	5,6MΩ 5% 0,125W	6503	4822 209 73235	TDA8809T/C2
3740	4822 116 52864	820Ω 1% 0,6W	6504	4822 209 72587	CA0372DP2
3743	4822 111 90425	5,6MΩ 5% 0,125W	6505	4822 130 34173	BZX79-B5V6
3744	4822 116 52864	820Ω 1% 0,6W	6506	4822 130 34173	BZX79-B5V6
3745	4822 111 90425	5,6MΩ 5% 0,125W	6507	4822 130 61207	BC848
3747	4822 111 90249	10kΩ 2% 0,125W	6508	4822 130 61207	BC848
3747	4822 111 90216	30kΩ 5% 0,125W	6510	4822 130 31456	BZV85-C5V1
3748	4822 111 90571	3,9kΩ 2% 0,125W	6512	4822 209 83274	NJM4560D
3775	5322 111 90111	4,7kΩ 2% 0,125W	6513	4822 130 30621	1N4148
3776	4822 111 90425	5,6MΩ 5% 0,125W	6515	4822 130 30621	1N4148
3779	5322 111 90306	750Ω 2% 0,125W	6516	5322 130 42012	BC858
3785	4822 116 52493	1MΩ 5% 0,33W	6517	5322 130 42012	BC858
3801	4822 111 90163	CHIP JUMPER	6519	5322 130 30684	1N4002
3802	4822 111 90163	CHIP JUMPER	6520	4822 130 42131	BF550
3803	4822 111 90163	CHIP JUMPER	6523	4822 209 70422	MN4264-15
3804	4822 111 90163	CHIP JUMPER	6525	4822 130 61207	BC848
3805	4822 111 90163	CHIP JUMPER	6526	4822 130 61207	BC848
3808	4822 111 90163	CHIP JUMPER	6527	5322 130 42012	BC858
3809	4822 111 90163	CHIP JUMPER	6528	4822 130 30861	BZX55-C7V5
3810	4822 111 90163	CHIP JUMPER	6530	4822 209 60801	MC68HC05C9P/SC409009
3811	4822 111 90163	CHIP JUMPER	6531	4822 130 42675	BC818
3812	4822 111 90163	CHIP JUMPER	6535	5322 209 86234	NE5532N
3813	4822 111 90163	CHIP JUMPER	6536	5322 209 86234	NE5532N
3814	4822 111 90163	CHIP JUMPER	6537	5322 130 30684	1N4002
3818	4822 111 90163	CHIP JUMPER	6538	5322 130 30684	1N4002
3821	4822 111 90163	CHIP JUMPER	6540	4822 209 72545	SAA7220
3822	4822 111 90163	CHIP JUMPER	6541	4822 209 72544	TDA1541
3823	4822 111 90163	CHIP JUMPER	6542	4822 130 42675	BC818
3824	4822 111 90163	CHIP JUMPER	6543	4822 130 42675	BC818
3825	4822 111 90163	CHIP JUMPER	6544	4822 130 42675	BC818
3826	4822 111 90163	CHIP JUMPER	6545	4822 130 42675	BC818
3827	4822 111 90163	CHIP JUMPER	6546	4822 209 83274	NJM4560D
3828	4822 111 90163	CHIP JUMPER	6547	5322 130 30684	1N4002
3829	4822 111 90163	CHIP JUMPER	6548	5322 130 30684	1N4002
3830	4822 111 90163	CHIP JUMPER	6549	4822 209 60775	SAA7310
3831	4822 111 90163	CHIP JUMPER	6550	5322 130 30684	1N4002
3833	4822 111 90163	CHIP JUMPER	6551	5322 130 30684	1N4002
3834	4822 111 90163	CHIP JUMPER	6552	4822 130 30621	1N4148
3835	4822 111 90163	CHIP JUMPER	6553	4822 130 30621	1N4148
3836	4822 111 90163	CHIP JUMPER	6554	4822 130 42513	BC858C
3837	4822 111 90163	CHIP JUMPER	6555	4822 130 31981	BZX55-C3V9
3838	4822 111 90163	CHIP JUMPER	6556	4822 130 61207	BC848
3839	4822 111 90163	CHIP JUMPER	6557	4822 130 30621	1N4148
3840	4822 111 90163	CHIP JUMPER	6558	4822 130 44121	BC338
3841	4822 111 90163	CHIP JUMPER	6558	4822 130 40938	BC548
3842	4822 111 90163	CHIP JUMPER	6559	4822 130 61207	BC848
3843	4822 111 90163	CHIP JUMPER	6561	4822 209 60803	SN74LS08D
3844	4822 111 90163	CHIP JUMPER	6561	5322 209 11596	PC74HCT08T
3845	4822 111 90163	CHIP JUMPER	6562	4822 130 61207	BC848
3847	4822 111 90163	CHIP JUMPER	6563	5322 130 42012	BC858
3848	4822 111 90163	CHIP JUMPER	6564	4822 130 42633	BSR56
3849	4822 111 90163	CHIP JUMPER	6565	4822 130 42633	BSR56
3850	4822 111 90163	CHIP JUMPER	6568	4822 130 61207	BC848
3852	4822 111 90163	CHIP JUMPER	6569	4822 218 20752	TOTX172
3853	4822 111 90163	CHIP JUMPER	6571	4822 209 60772	X24C16
3854	4822 111 90163	CHIP JUMPER	6572	4822 130 34195	BZX55-C13
3855	4822 111 90163	CHIP JUMPER	6577	4822 209 80808	MC78M15CT
3856	4822 111 90163	CHIP JUMPER	6580	5322 130 30684	1N4002
3857	4822 111 90163	CHIP JUMPER	6581	5322 130 30684	1N4002
3858	4822 111 90163	CHIP JUMPER	6582	5322 130 30684	1N4002
3859	4822 111 90163	CHIP JUMPER	6583	5322 130 30684	1N4002
3860	4822 111 90163	CHIP JUMPER	6584	5322 130 30684	1N4002
3861	4822 111 90163	CHIP JUMPER	6585	5322 130 30684	1N4002
3862	4822 111 90163	CHIP JUMPER	6586	5322 130 30684	1N4002



6587	5322 130 30684	1N4002
6590	4822 209 80808	MC78M15CT
6591	4822 209 71579	TY40408
6592	5322 209 11222	MC7905CT
6593	5322 130 41899	MC7915CT

MISCELLANEOUS

0003	4822 267 40789	Cinch socket 5p
0005	4822 492 63076	Spring clip
0016	4822 265 20291	Mains inlet
SK1	4822 276 11309	Mains switch
0021	4822 256 30274	Fuse holder
SK2	4822 276 12523	Tact switch
1000	4822 148 80281	Transformer
1501	4822 253 30009	FUSE 160mA T FOR /00R /05R
1501	4822 253 30217	FUSE 300mA T FOR /17R
1502	4822 242 71349	Cristal 11.2896 MHz
1503	4822 242 70831	Cer. osc. 4.0MHz
5001	4822 146 30778	MAINS TRANSFORMER /00R /05R
5001	4822 146 30797	MAINS TRANSFORMER /17R
5502	4822 157 53141	AL0410ST471K
5503	4822 157 53141	AL0410ST471K

TOOLS

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

(This section contains a large, faint, and mostly illegible table of data, likely a continuation of the parts list or a secondary table. The text is mirrored and difficult to read.)