

TOYOTA

AUDIO COMPONENT SERVICE MANUAL



CQ-JS8280AAT

AM/FM MPX ELECTRONIC TUNING
RADIO with Stereo Cassette Tape
Player and 6-Disc CD Changer

TOYOTA PART No. 86120-06130

VEHICLE : CAMRY

DESTINATION : Viet Nam

PRODUCED AFTER : Dec., 2002

Specification

General

Power Supply	DC 12V
	Test Voltage 13.2V
	Negative Ground
Current Consumption	Less than 3.0A (at FM 0.5W)
Maximum Power Output	17W×4
Speaker Impedance	4Ω

FM Stereo Radio

Frequency Range	87.5 - 108 MHz
Usable Sensitivity	9dB (S/N 30dB, 15kHz LPF)
Signal to Noise Ratio	More than 50 dB

AM Radio

Frequency Range	531 - 1,602 Hz
Usable Sensitivity	25dB (S/N 20dB)
Signal to Noise Ratio	More than 45dB

CD Changer

Signal to Noise Ratio	More than 70dB (with IHF-A)
Total Harmonic Distortion	Less than 0.2%
Separation	65dB (with IHF-A)

Cassette Player

Deck System	Full Logic Control System
Wow and Flutter	Less than 0.09% (WRMS)
Signal to Noise Ratio	More than 42 dB
Separation	More than 30 dB
Dimensions** (W×H×D)	178 × 100 × 146 mm
Weight**	2.8kg

* Specifications and the design are subject to possible modification without notice due to improvements.

** Dimensions and Weight shown are approximate.

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

"Dolby" and the double-D symbol  are trade marks of Dolby Laboratories Licensing Corporation.

PUB. No. 80655

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1 FEATURES

- TOYOTA AVC-LAN
- IDC II Series (6-Disc CD Changer Deck)
- NCA-1 Improved Cassette Deck
- The built-in CD Changer can play a 12 cm CD only.

2 LASER PRODUCTS

Do not take apart this unit or attempt to make any changes yourself.

This unit is very intricate that uses a laser pickup to retrieve information from the surface of compact discs. The laser is carefully shielded so that its rays remain inside the cabinet. Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.

Laser products :

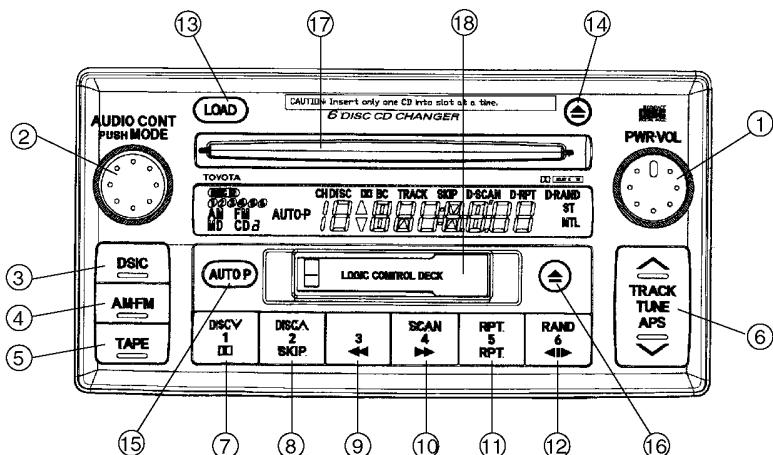
Wave length	780nm
Laser power	No hazardous radiation is emitted with safety protection.

Caution

This product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

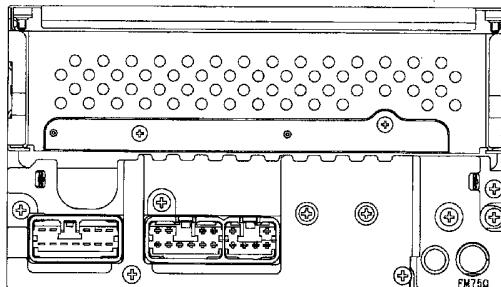
3 NAME OF EACH PARTS AND CONNECTORS

[Front View]



(1)	PWR	:Power on/off.	(9)	◀◀	:Tape fast forward.
	VOL	:Increase/Decrease of volume.	(10)	SCAN	:CD scan play.
(2)	AUDIO CONT	:Audio mode control.	(11)	▶▶	:Tape rewind.
(3)	DSIC	:Disc mode selection.	(12)	RPT	:CD repeat play
(4)	AM/FM	:FM/AM radio selection.	(13)	RPT	:Tape repeat play
(5)	TAPE	:Tape mode selection.	(14)	RAND	:CD random play.
(6)	TRACK	:Disc track up/down.	(15)	LOAD	:Tape side selection.
	TUNE	:Radio frequency up/down.	(16)	▲	:Disc loading.
	APS	:APS fast-forward/APS rewind.	(17)	AUTO-P	:CD disc eject
(7)~(12)	1~6	:Radio frequency preset/call.	(18)	▲	:Radio stations auto-preset.
		:CD changer disc selection.			:Tape eject
(7)	DISC ▼	:Changer diac down.			
	DISC □	:Tape dolby NR on/off			
(8)	DISC ▲	:Changer diac down.			
	SKIP	:Tape blank skip.			

[Rear View]

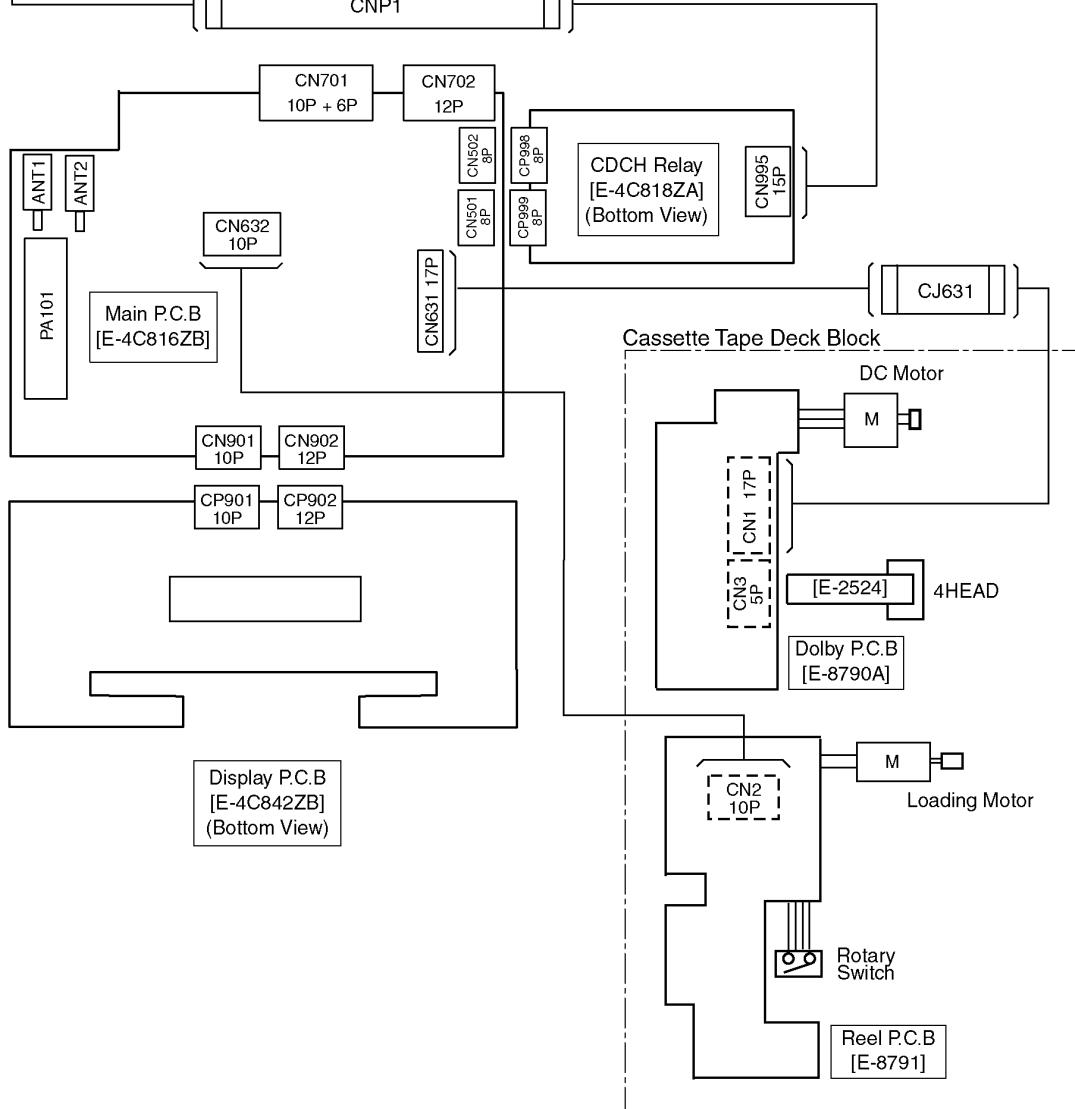
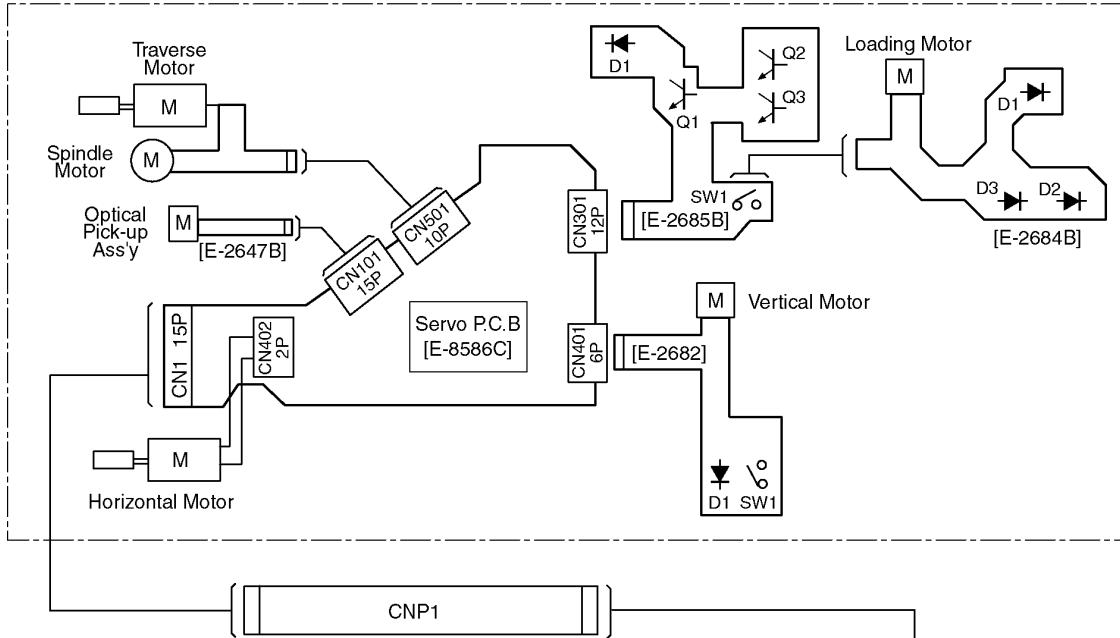


<CN702 12P CONNECTOR>			<CN701>		
1. Rch IN (R ⁺)	8. Ground (GND)		1. Front SP, Rch (FR ⁺)	1. Speaker, RR ⁺ (RR ⁺)	
2. Lch in (L ⁺)	9. Communi (TX ⁺)		2. Front SP, Lch (FL ⁺)	2. Speaker, RL ⁺ (RL ⁺)	
3. Shield Ground (S.GND)	10. Communi (TX ⁺)		3. Power Supply, ACC (ACC)	3. Speaker, RR ⁻ (RR ⁻)	
4. Mute (MUTE)	11. Not Used		4. Power Supply,+B (+ B)	4. Not Used	
5. Power supply (+B) (+ B)	12. Power Supply,ACC (ACC)		5. Front SP, Rch (FR ⁻)	5. Not Used	
6. Rch IN (R ⁻)			6. Front SP, Lch (FL ⁻)	6. Speaker, RL ⁻ (RL ⁻)	
7. Lch IN (L ⁻)			7. Ground (GND)		

<10P Connector>			<6P Connector>		
1. Front SP, Rch (FR ⁺)	2. Front SP, Lch (FL ⁺)	3. Power Supply, ACC (ACC)	1. Speaker, RR ⁺ (RR ⁺)	2. Speaker, RL ⁺ (RL ⁺)	
4. Power Supply,+B (+ B)		4. Power Supply,+B (+ B)	3. Speaker, RR ⁻ (RR ⁻)		
5. Front SP, Rch (FR ⁻)		5. Front SP, Rch (FR ⁻)	4. Not Used		
6. Front SP, Lch (FL ⁻)		6. Front SP, Lch (FL ⁻)	5. Not Used		
7. Ground (GND)		7. Ground (GND)	6. Speaker, RL ⁻ (RL ⁻)		
8. Power Supply, ANT AMP (ANT ⁺)		8. Power Supply, ANT AMP (ANT ⁺)			
9. Power Supply, AMP (AMP ⁺)		9. Power Supply, AMP (AMP ⁺)			
10. Power Supply,Illumi (ILL ⁺)		10. Power Supply,Illumi (ILL ⁺)			

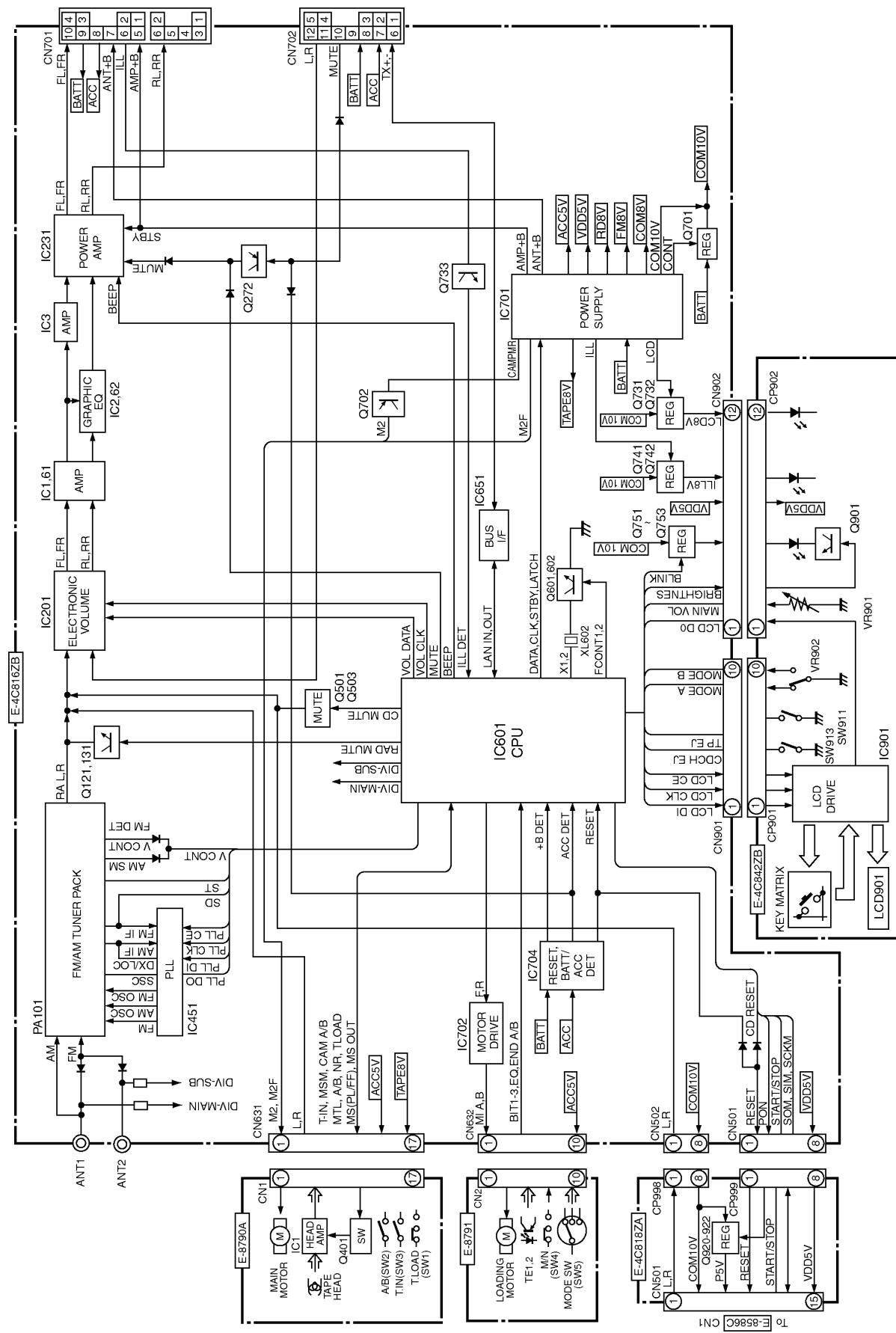
4 WIRING CONNECTION

CD Changer Deck Block

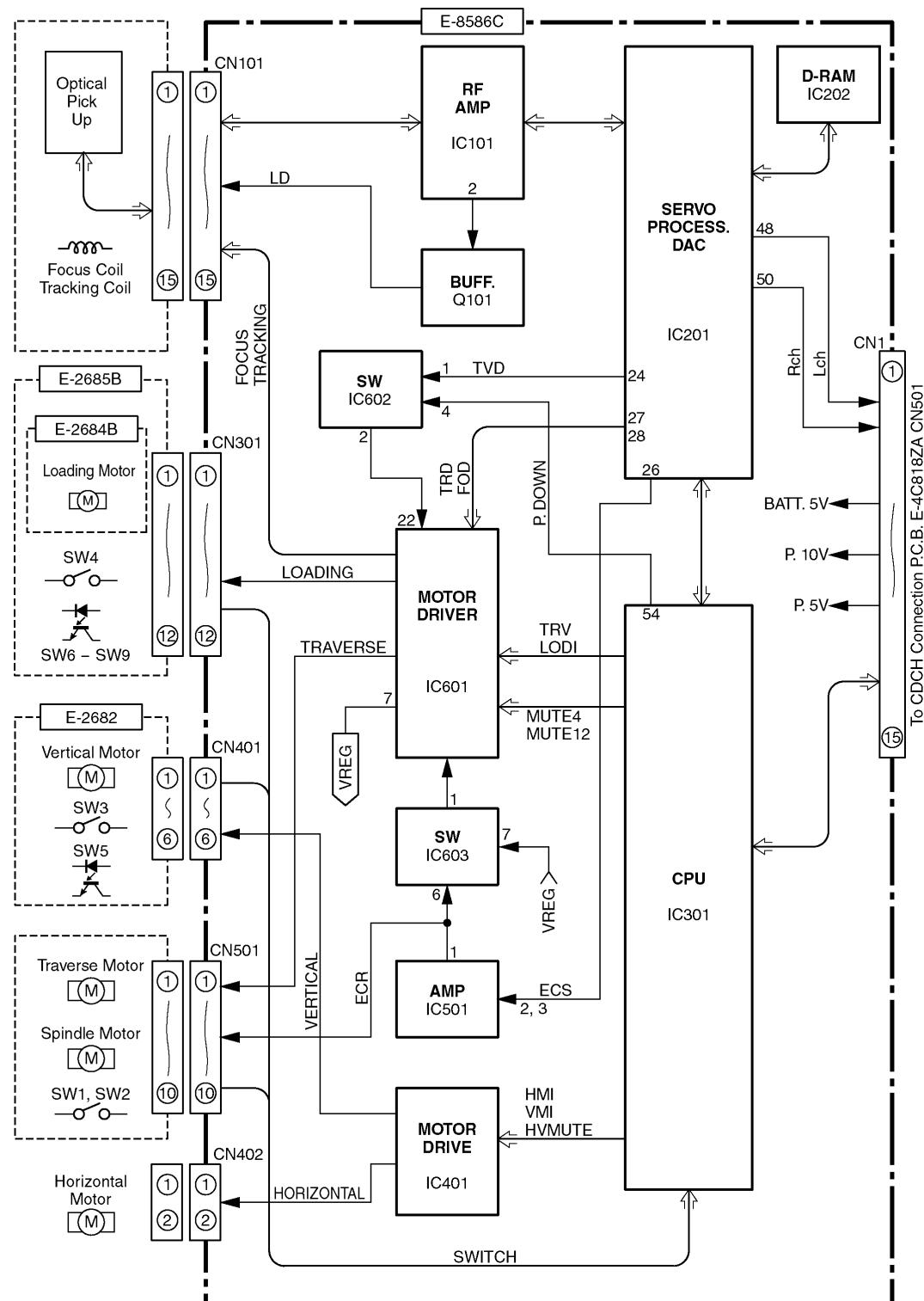


5 BLOCK DIAGRAM

5.1. Main/Display/Tape Block



5.2. CD Changer Block



6 ALIGNMENT INSTRUCTIONS

6.1. CD DISC CENTERING ALIGNMENT

- This adjustment is for assuring that compact discs will be placed in the center of the turntable.

<Adjustment Condition / Jig>

- Power Supply Voltage : 13.2V
- Test Disc : TCD-792A

<Adjustment Procedures>

1. Attach the adjusting screw to the upper chassis (See Figure 1.).
2. Insert the test CD (TCD-792A) into the disc No.1 position and play it.
3. After checking whether the disc is centered on the turntable, turn the adjusting screw until it is in the center.

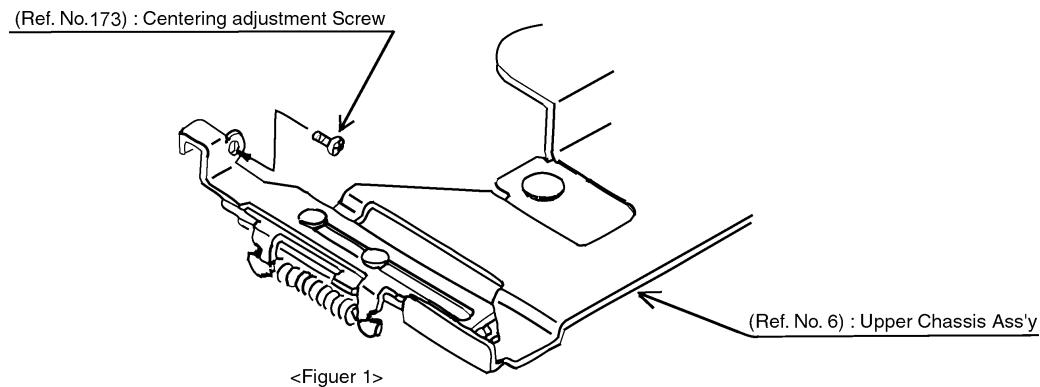
<Check Items>

- Check that the disc is correctly centered.
- Check that the disc is securely clamped.
- Check that no abnormal noise is produced when clamping the disc.

[Directions of Turning the Adjusting Screw]

- CD stops before its proper position : Turn the screw counterclockwise.
- CD overruns : Turn the screw clockwise.

4. After the adjustment, lock the screw.



6.2. Cassette Deck Adjustment

6.2.1. Alignment Conditions

- Power Supply Voltage : DC13.2V
- Output Impedance : 4Ω
- Output Power : 0.5W

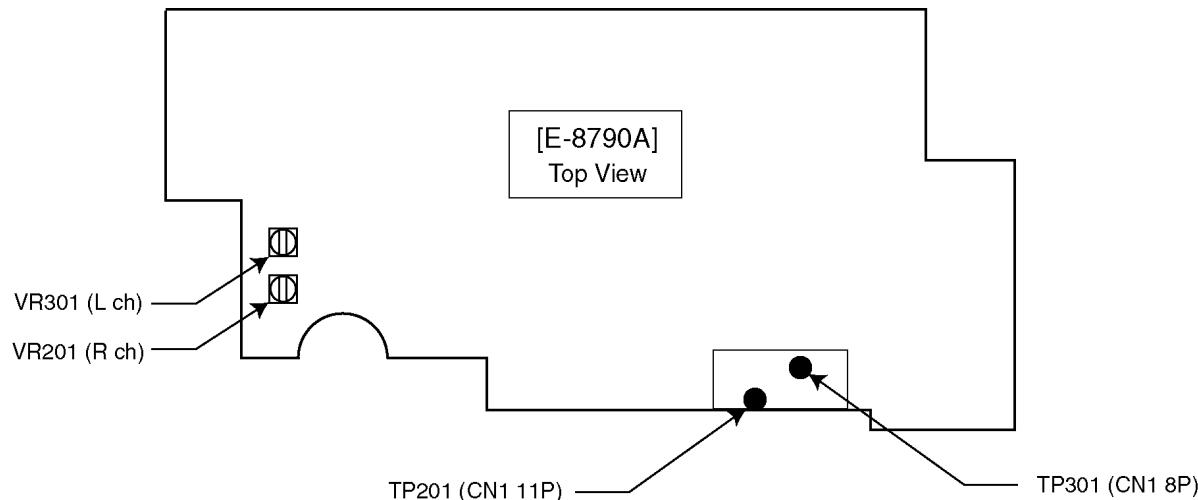
Note :

Do not align the FM/AM package block. When the package block is necessary, it will be supplied already aligned at the factory.

6.2.2. Dolby NR Alignment

Step	Alignment Item	Test Tape	VTVM Connection	Adjust	Remarks
(1)	DOLBY NR Rch	RFKZ0038	TP201	VR201	Adjust for 388mV ±1.0dB
(2)	DOLBY NR Lch	RFKZ0038	TP301	VR301	Adjust for 388mV ±1.0dB

6.2.3. Alignment Points



7 TERMINALS DESCRIPTION

7.1. Main Block

IC601 : YTEAM784938112

Pin No.	Name	Description	I/O	Volt (V)			
				FM	AM	TAP E	CD
1	BEEP	Beep outputPulse:ON, L:Beep OFF	O	0	0	0	0
2	BIT3	Tape rotary switch 3	I	0	0	0	0
3	BIT2	Tape rotary switch 2	I	0	0	5.1	0
4	BIT1	Tape rotary switch 1	I	0	0	5.1	0
5	FIN	FIN:L, RIN:H then Eject FIN:H, RIN:H then Brake	O	0	0	0	0.3
6	RIN	FIN:L, RIN:L then BrakeFIN:H, RIN:L then Load	O	0	0	0	0
7	MUTE	H:Mute OFF, L:Mute ON	O	0	0	0	0
8	MD-SCKN(NC)	-	-	-	-	-	-
9	MD-SDM(NC)	-	-	-	-	-	-
10	MD-SIM(NC)	-	-	-	-	-	-
11	RESET	Reset	I	5.3	5.3	5.3	5.3
12	X2	Main clock	-	2.8	2.8	2.8	2.8
13	X1	Main clock	-	2.4	2.4	2.4	2.4
14	GND	Ground	-	0	0	0	0
15	X2	Main clock	-	2.8	2.8	2.8	2.8
16	X1	Main clock	-	2.5	2.5	2.5	2.5
17	REGOFF	Connected to +5V	-	5.3	5.3	5.3	5.3
18	REGCPU	Connected to +5V	-	5.3	5.3	5.3	5.3
19	VDD0	+5V power supply	-	5.3	5.3	5.3	5.3
20	FCONT2	F1/F2 mode switch	O	5.3	5.3	5.3	5.3
21	FCONT1		-	5.3	0	0	0
22	DIV.ON/OF F	(+5V pull-up)	-	5.3	5.3	5.3	5.3
23	ST	H:Stereo, L:monaural	I	0.5	2	0.5	0.5
24	PLL-D0	PLL data input	I	5.1	5.1	5.1	5.2
25	PLL-CLK	PLL clock	O	0	0	0	0
26	PLL-DI	PLL data output	O	0	0	0.3	0
27	PLL-CE	PLL chip enable	O	0	0	0	0
28	RAD.MUTE	H:Except radio, L:Radio	O	0	0	5.3	5.3
29	CD-MUTE	H:CD mute, L:Invalid	O	0	0	0	5.3
30	SD	SD	I	0.4	0.4	0.4	0.4
31	VOL-DATA	Electronic volume data	O	0	0	0	0.3
32	VOL-CLK	Electronic volume clock	O	0	0	0	0.3
33	LCD-CLK	LCD clock	O	0	0	0	0
34	LCD-D0	LCD data output	I	5.1	5.1	5.1	5.2
35	LCD-DATA	-	-	-	-	-	-
36	LCD-CE	LCD chip enable	O	0	0	0	0.3
37	LCD-DI	LCD data input	O	0	0	0	0
38	LCD-RESET	LCD reset	O	0	0	0	0
39	LCDOFF	-	-	-	-	-	-
40	GND	Ground	-	0	0	0	0
41	VDD	-	-	5.3	5.3	5.3	5.3
42	NC	-	-	-	-	-	-
43	MODEA	MODE rotary encoder A	I	5.1	5.1	5.2	5.2
44	MODEB	MODE rotary encoder B	I	0	0	0	0
45	BLINK	LED control (Disc-in slot)	O	0	0	0.3	0
46	BAIGHTNES	Dimmer control (Disc-in slot)	O	0	0	0	0
47	NC	-	-	-	-	-	-
48	NC	-	-	-	-	-	-
49	NC	-	-	-	-	-	-
50	D4/D0	(+5V pull-up)	-	5.3	5.3	5.3	5.3
51	ASL.IN	Ground	I	0	0	0	0

Pin No.	Name	Description	I/O	Volt (V)			
				FM	AM	TAP E	CD
52	TAI/TAIWAN	Not used	-	-	-	-	-
53	NC	-	-	-	-	-	-
54	FAN-ON(NC)	-	-	-	-	-	-
55	NC	-	-	-	-	-	-
56	CLK	Clock	O	0	0	0.3	0
57	STBY	Standby	O	5.3	5.3	5.3	5.3
58	LATCH	Latch	O	5.3	5.3	5.3	5.3
59	DATA	Power supply data	O	0	0	0	0
60	START/STOP	CD communication control	O	5.3	5.3	5.3	5.3
61	CD-RESET	CD reset	O	5.3	5.3	5.3	5.3
62	NC	-	-	-	-	-	-
63	P.5V-ON	H:CD 5V ON, L:OFF	O	0	0	0	5.3
64	MSOUT	H:No tape sound, L:Detected	I	1.4	1.3	0.3	0
65	CD-SCKM	CD serial data clock	O	5.3	5.3	5.3	5.3
66	CD-SOM	CD serial data input	I	5	5	5.1	4.6
67	CD-SIM	CD serial data output	O	1.5	1.5	1.5	0
68	MS-PL/FF	Tape mode selection	O	0	0	0	0
69	T.LOAD	Tape position detection	I	0	0	0	0
70	DOLBY	Tape dolby control	O	0	0	5.3	0
71	NC	-	-	-	-	-	-
72	NC	-	-	-	-	-	-
73	TEST	(Ground pull-down)	-	0	0	0	0
74	MAIN-VOL	Volume level	I	1	1	1	1
75	Vcont	(Ground pull-down)	-	0.4	0.9	0.4	0.4
76	DEG-IN(NC)	-	-	-	-	-	-
77	A/B	H:Tape B side, L:A side	O	0	0	0	0
78	MTL	Metal tape mode	O	0	0	5.3	0
79	CAM A/B	H:B side, L:A side	I	0	0	0	0
80	MSM	Music sensor mode	O	0	0	0	0
81	MD.MUTE(NC)	-	-	-	-	-	-
82	VDD	+5V power supply	-	5.3	5.3	5.3	5.3
83	AVDD	+5V power supply	-	5.1	5.1	5.2	5.2
84	GND	Ground	-	0	0	0	0
85	LANIN	LAN data input	I	0	0	0	0
86	LANOUT	LAN data output	O	0	0	0	0
87	ACC-DET	H:ACC detected, L:Not detected	I	5.3	5.3	5.3	5.3
88	TAPE.EJ	Tape eject-key	I	5.3	5.3	5.3	5.3
89	ILL-DET	H:ILL OFF L:ILL ON	I	0	0	0	0
90	EQ	H:Normal tape, L:Metal	I	0	0	0	0
91	CDCH.EJ	H:Eject-key OFF, L:ON	I	5.3	5.3	5.3	5.3
92	+B DET	Battery detection	I	5.3	5.3	5.3	5.3
93	EJ-OR	Logical addition of CD and tape ejection	I	5.3	5.3	5.3	5.3
94	T.IN	Tape-in detection	I	0	0	0	0
95	MD-ON	-	-	-	-	-	-
96	MD-RST	-	-	-	-	-	-
97	DIV-SUB	Diversity SUB control	O	0	0	0	0
98	DIV-MAIN	Diversity MAIN control	O	5.3	0	0	0
99	END-B	Tape-end detection B	I	5.1	5.1	0	5.1
100	END-A	Tape-end detection A	I	0.4	0.4	0	0.4

7.2. Display Block

IC901 : YEAMLC75853NW

Pin No.	Name	Description	I/O	Volt(V)
1	(NC)	-	-	-
2	(NC)	-	-	-
3-40	S3-S40	LCD segment	O	2.7
41	COM1	LCD common	O	2.7
42	COM2	LCD common	O	2.7
43	COM3	LCD common	O	2.7
44-49	KS1-KS6	Key scan signal	O	5.3
50-54	KI1-KI5	Key-in detection	I	0
55	TEST	(Connected to ground)	-	0
56	VDD	+5V power supply	-	5.3
57	VDD1	LCD driver power supply	-	3.5
58	VDD2	LCD driver power supply	-	1.8
59	VSS	Ground	-	0
60	OSC	CR OSC	-	3.9
61	D0	LCD data output	O	5.2
62	CE	Chip enable	I	0.3
63	CL	LCD clock	I	0
64	DI	LCD data input	I	0

7.3. CD Deck Block

IC201 MN662783RPW

Pin No.	Name	Description	I/O	Volt(V)
1	VDD	+5V power supply	-	5
2	D0	D-RAM data	I/O	2.3
3	D1	D-RAM data	I/O	1.8
4	/WE	D-RAM write enable	O	4.9
5	/RAS	D-RAM row address strobe	O	3.4
6	D2	D-RAM data	I/O	0.8
7	D3	D-RAM data	I/O	0
8	/CAS0	Column address strobe	O	3.9
9	/CAS1	Column address strobe	O	0
10	A8	D-RAM address	O	0.6
11	A7	D-RAM address	O	1.1
12	A6	D-RAM address	O	0.7
13	A5	D-RAM address	O	0
14	A4	D-RAM address	O	1.1
15	A9	D-RAM address	O	0.4
16	A0	D-RAM address	O	1
17	A1	D-RAM address	O	1
18	A2	D-RAM address	O	1
19	A3	D-RAM address	O	0
20	VSS2	Ground	-	0
21	VDD2	+5V power supply	-	5
22	PWMCK(N C)	-	-	-
23	TRVSTP(N C)	-	-	-
24	TVD	Traverse motor drive	O	2.5
25	PC (NC)	-	-	-
26	ESC	Spindle motor control	O	2.4
27	TRD	Tracking coil drive	O	2.5
28	FOD	Focus coil drive	O	2.4
29	FBAL	Focus balance	O	1.9
30	TBAL	Tracking balance	O	3
31	VREF	Reference voltage	I	2.5
32	FE	Focus error	I	2.5
33	TE	Tracking error	I	2.5
34	RFENV	RF envelope	I	2.5
35	OFT	Off-track	I	0
36	/RFDET	RF detection	I	0
37	BDO	Drop-out	I	0
38	LDON	Laser drive ON	O	4.5
39	ARF	RF signal	I	2.5
40	IREF	Reference current	I	1.2
41	DRF	Bias for DSL	I	2.4
42	DSL	Loop filter terminal for DSL	I/O	2.5
43	DSL2	Loop filter terminal for DSL	I/O	2.2
44	PLLF	Loop filter terminal for PLL	I/O	1.4
45	VCOF	-	-	-
46	AVDD2	+5V power supply	-	5
47	AVSS2	Ground	-	0
48	OUTL	Audio left channel	O	2.3
49	AVSS1	GND	-	0
50	OUTR	Audio right channel	O	2.3
51	AVDD1	+5V power supply	-	4.7
52	FSEL	(Connected to ground)	-	0
53	TMODE1	(Connected to ground)	-	0
54	TMODE2	(Connected to ground)	-	0
55	FLAG (NC)	-	-	-
56	FCLK (NC)	-	-	-
57	EXT0 (NC)	-	-	-
58	EXT1 (NC)	-	-	-
59	EXT2 (NC)	-	-	-
60	TX (NC)	-	-	-
61	MCLK	I/F command clock	I	1
62	MDATA	I/F command data	I	3.1

Pin No.	Name	Description	I/O	Volt(V)
63	MLD	I/F command load	I	5
64	BLKCK	Subcode block clock	O	0
65	SQCK	External clock for subcode Q register	I	5
66	SUBQ	Subcode Q data	O	3.8
67	DMUTE	Mute	I	0
68	STAT	Status	O	5
69	/RST	Reset	I	5
70	CSEL	(Connected to ground)	-	0
71	PMCK (NC)	-	-	-
72	SMCK (NC)	-	-	-
73	SUBC (NC)	-	-	-
74	SBCK (NC)	-	-	-
75	/CLDCK (NC)	-	-	-
76	/TEST	(Connected to +5V)	-	5
77	X1	Crystal oscillator	-	0.4
78	X2	Crystal oscillator	-	3.2
79	VDD1	+5V power supply	-	5
80	VSS1	Ground	-	0

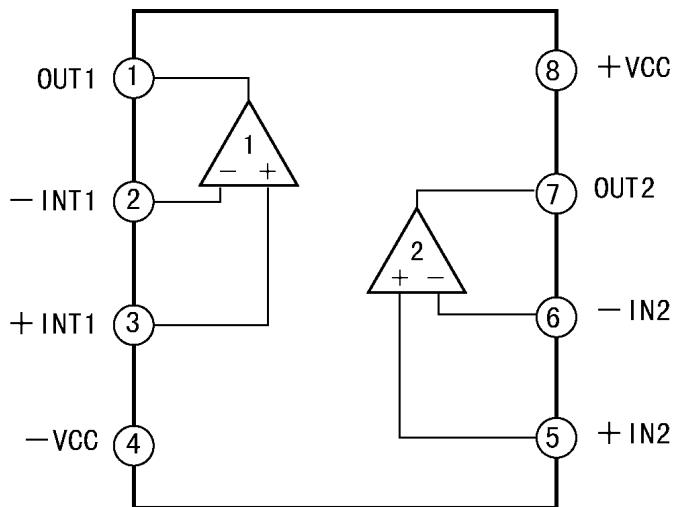
IC301 : MNS73260ACBL

Pin No.	Name	Description	I/O	Volt(V)
1	VDD	+5V power supply	-	5
2	OSC2	Crystal oscillator	-	2.2
3	OSC1	Crystal oscillator	-	2.1
4	VSS	Ground	-	0
5	X1	(Connected to ground)	-	0
6	XO (NC)	-	-	-
7	CM	(Connected to ground)	-	0
8	VREFH	(Connected to +5V)	I	5
9	SW13	Horizontal origin switch	I	4.9
10	SW12	Shutter switch	I	4.9
11	SW11	Clump switch	I	0
12	SW10	Play switch	I	0
13	SW4	Shutter switch	I	4.9
14	SW3	Tray origin switch	I	0
15	SW2	Inner switch	I	4.8
16	SW1	Outer switch	I	4.9
17	VREFL	(Connected to ground)	-	0
18	/RESET	Reset	I	4.9
19	P06 (PSBT0)	(Ground pull-down)	-	0
20	SCKM	Serial data clock	I	5
21	SIM	CD changer serial data input	I	1.3
22	SOM	CD changer serial data output	O	4.3
23	SQCK	Serial data clock for DSP Q code	O	5
24	SUBQ	Serial data for DSP Q code	I	1.6
25	P00(SBO0) (NC)	-	-	-
26	P15(IRQ5/SE NS)	(Ground pull-down)	-	0
27	CD.ON	CD changer start/stop	I	5
28	P13(IRQ3) (NC)	-	-	-
29	BLKCK	Subcode block clock	I	0
30	P.ON	Power ON control	I	5
31	MUTE	Mute	O	5
32	P27 (TCI4)	(Ground pull-down)	-	0
33	SENS	-	-	-
34	CLVS	-	-	-
35	FLOCK	-	-	-
36	TLOCK	-	-	-
37	VMI	Vertical motor drive	O	2.5
38	HMI	Horizontal motor drive	O	0
39	HVMUTE	Mute for Vertical/Horizontal motor	O	0

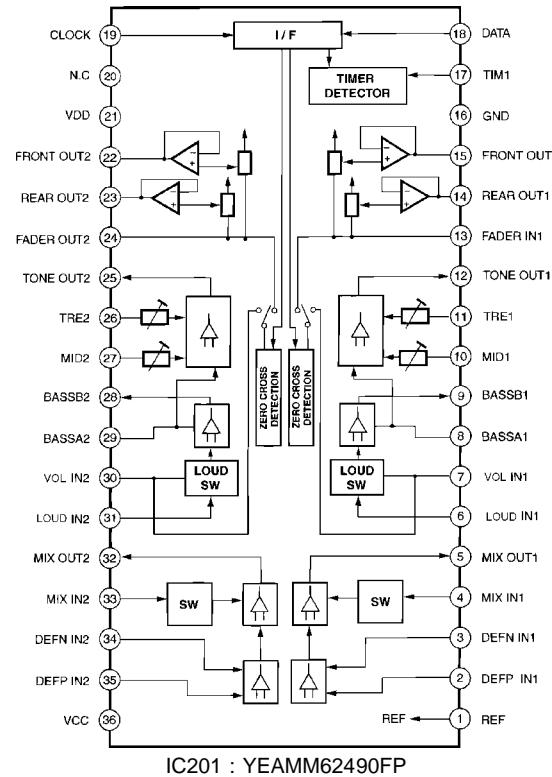
Pin No.	Name	Description	I/O	Volt(V)
40	P37	(Ground pull-down)	-	0
41	P36	(Ground pull-down)	-	0
42	P35	(Ground pull-down)	-	0
43	SW9	Disc (B) detection	I	0
44	SW8	Disc (L) detection	I	0
45	SW7	Disc (F) detection	I	0
46	SW6	Disc-push detection	I	0
47	SW5	Tray height detection	I	4.5
48	BDO	Drop-out	I	0
49	DQSY (NC)	-	-	-
50	/RST	Reset	O	5
51	STAT	Status	I	2.1
52	DMUTE	Mute	O	0
53	XE (NC)	-	-	-
54	P.DOWN	Power control for clock re-generating	O	0
55	P40 (NC)	-	-	-
56	MLD	Serial data latch for servo DSP	O	5
57	MDATA	Serial data for servo DSP	O	3.1
58	MCLK	Serial data clock for servo DSP	O	4.1
59	SPMT	Spindle motor shoot	O	5
60	MUTE12	Mute for tracking/focus coil	O	0
61	MUTE4	Mute for loading motor	O	4.8
62	LDOI	Loading motor drive	I/O	2.5
63	TRV	Forced traverse control	I/O	2.4
64	SYNC (NC)	-	-	-

8 IC BLOCK DIAGRAM

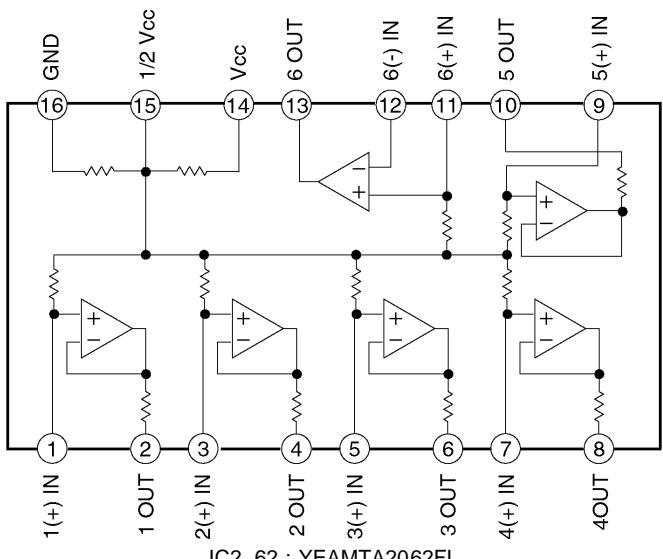
8.1. Main Block



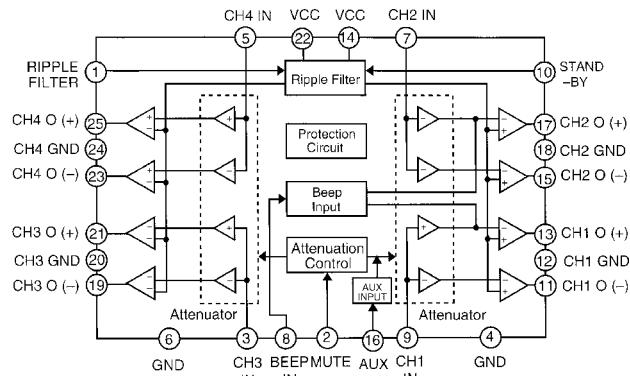
IC1, 3, 61 : YEAMM5218AFFP



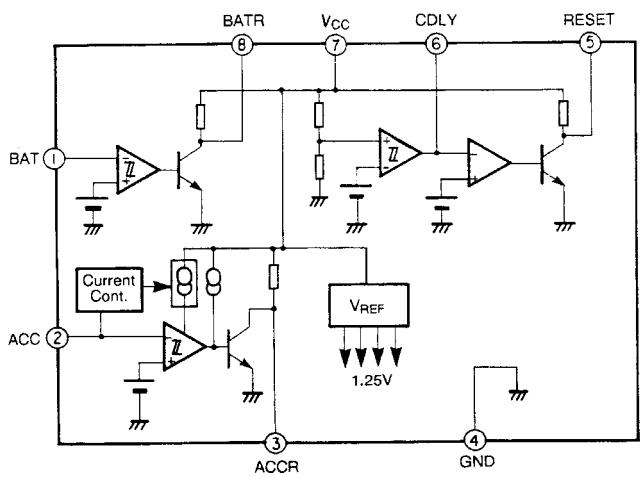
IC201 : YEAMM62490FP



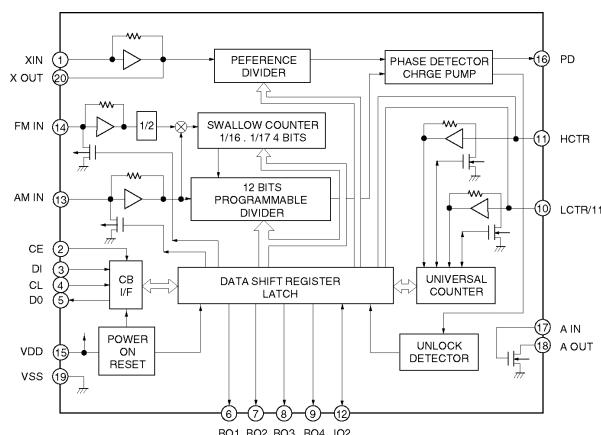
IC2, 62 : YEAMTA2062FL



IC231 : AN7551Z

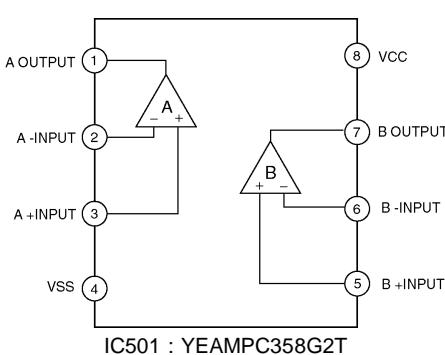
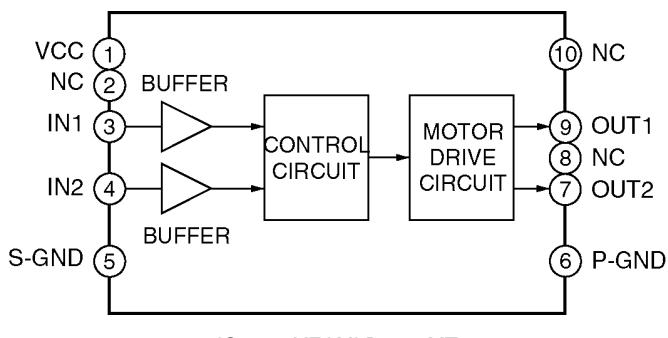
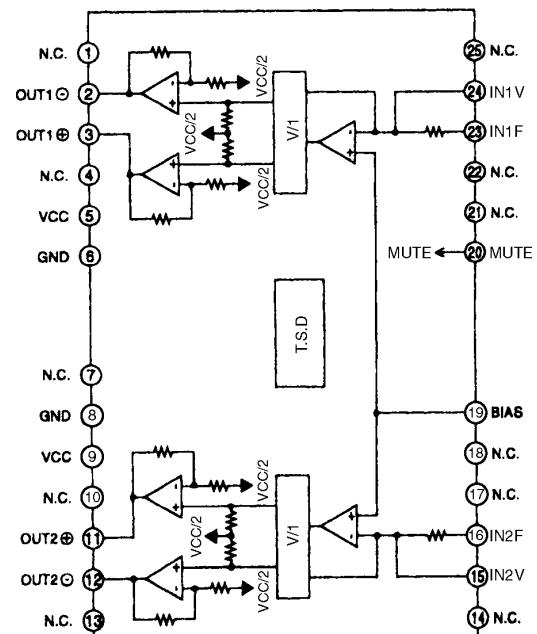
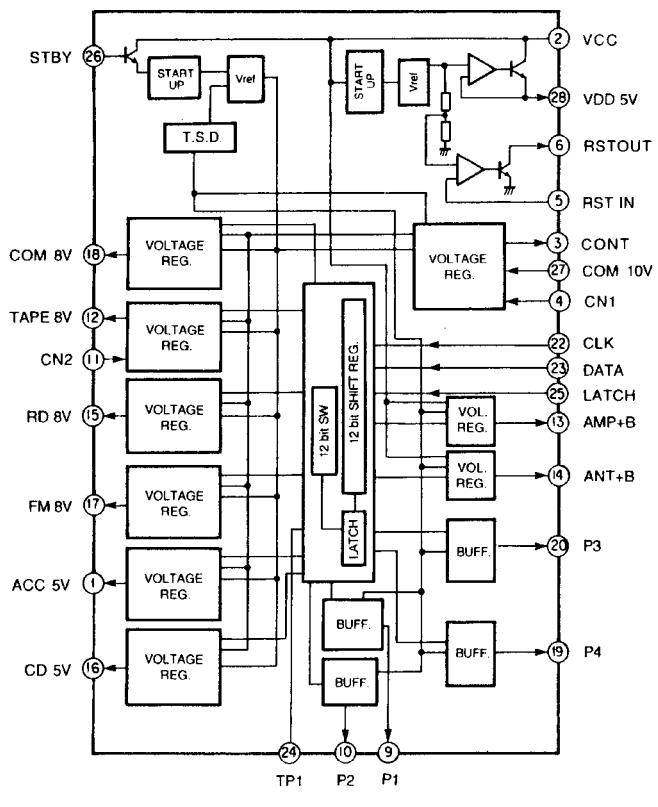
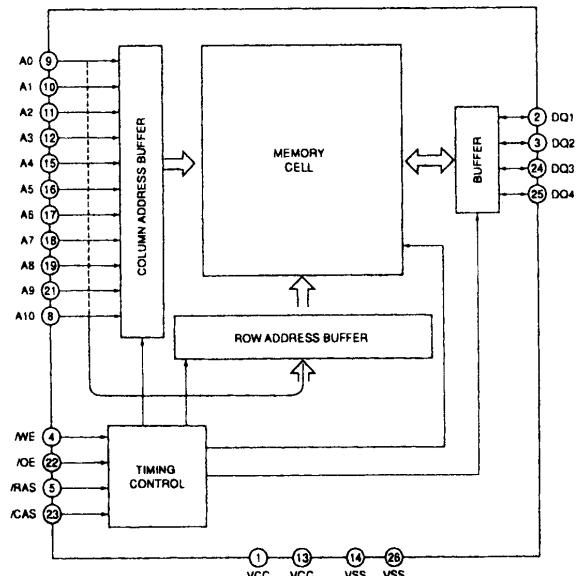
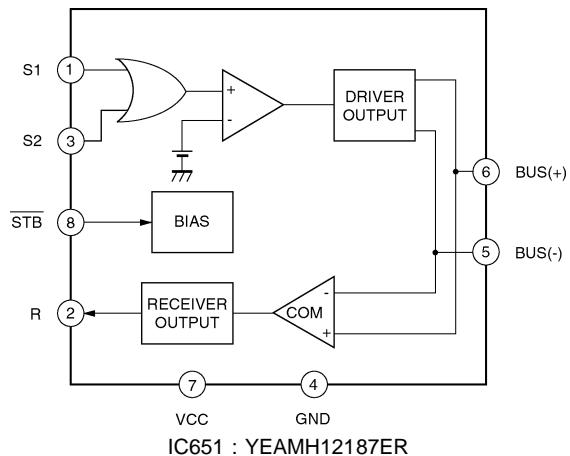


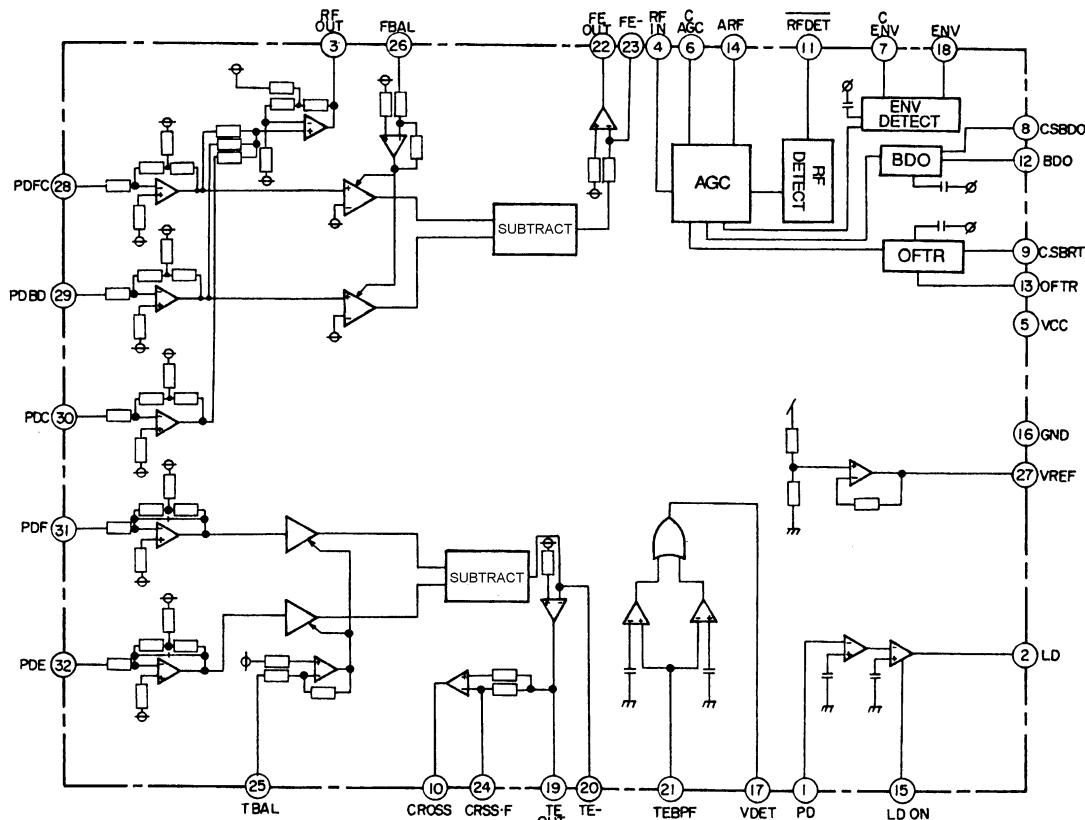
IC704 : AN8065S-E1



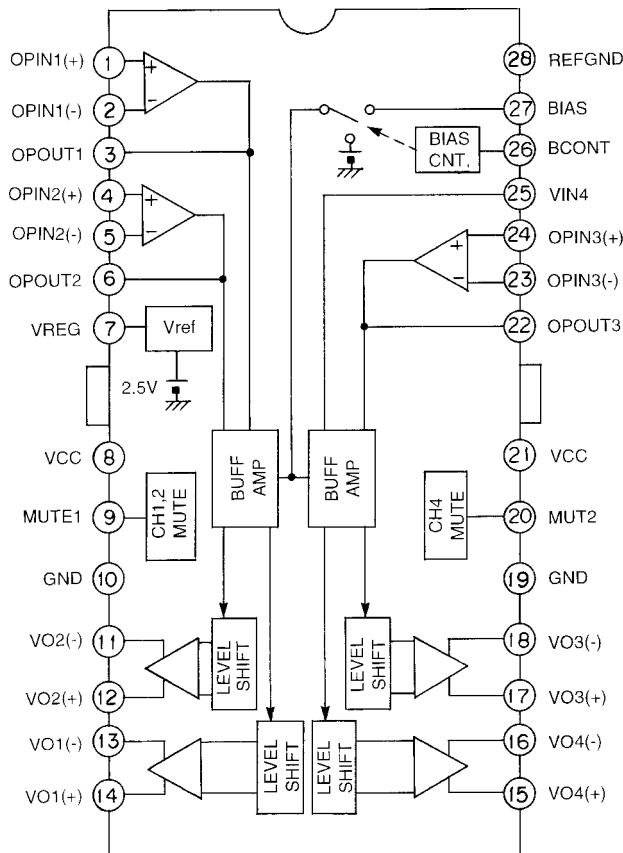
IC451 : YEAMLC72135M

8.2. CD Deck Block

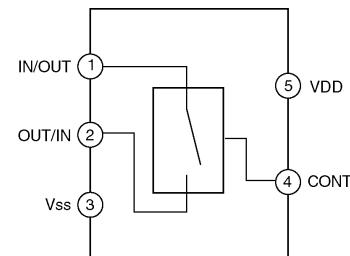




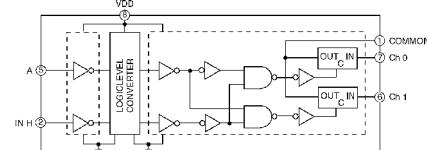
IC101 : C1BB00000173



IC601 : C0GBY0000004



IC602 : C0JBAS000051



IC603 : YEAMT4W53FUL

9 REPLACEMENT PARTS LIST

Notes :

- Be sure to make your orders of replacement parts according to this list.
- Important safety notice: Components, identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
- Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
- The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Ref. No.	Part No.	Part Name & Description	Remarks
[E4C816ZB] Main Block			
IC's AND TRANSISTORS			
IC1	YEAMM5218APP	IC	
IC2	YEAMTA2062FL	IC	
IC3	YEAMM5218APP	IC	
IC61	YEAMM5218APP	IC	
IC62	YEAMTA2062FL	IC	
IC201	YEAMM62490FP	IC	
IC231	AN7551Z	IC	
IC451	YEAMLC72135M	IC	
IC601	YESAM161	IC	
IC651	YEAMH12187ER	IC	
IC701	YEAMLA5624HT	IC	
IC702	YEAMLB1930MT	IC	
IC704	AN8065S-E1	IC	
PA101	YEP0PTA513B0	Electronic Tuner	
Q121	YEANC114YUTX	Transistor	
Q131	YEANC114YUTX	Transistor	
Q272	YEANA144EUTX	Transistor	
Q501	YEANFMG12T	Transistor	
Q503	YEANA144EUTX	Transistor	
Q601	YEANC4081R	Transistor	
Q602	YEANC4081R	Transistor	
Q701	YEAN2SA1952T	Transistor	
Q702	YEAN2SB1398T	Transistor	
Q731	YEAND1760QRT	Transistor	
Q732	YEANA114YUTX	Transistor	
Q733	YEANC144EUTX	Transistor	
Q741	YEANA114YUTX	Transistor	
Q742	YEAND1760QRT	Transistor	
Q751	YESAN057	Transistor	
Q752	YEANA114YUTX	Transistor	
Q753	YEANC114YUTX	Transistor	
DIODES			
D51	YEADRN731V17	Diode	
D52	YEADRN731V17	Diode	
D53	YEADDA204UT	Diode	
D121	YEAD1SS355T1	Diode	
D131	YEAD1SS355T1	Diode	
D151	YEADDAN202UT	Diode	
D201	YEADUDZ39BT	Diode	
D213	YEAD1SS355T1	Diode	
D231	YEAD1SS355T1	Diode	
D271	YEADAP202UKT	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D273	YEAD1SS355T1	Diode	
D313	YEAD1SS355T1	Diode	
D601	YEADAP202UKT	Diode	
D621	YEADAP202UKT	Diode	
D631	YEADAP202UKT	Diode	
D632	YEADSR1544TL	Diode	
D635	YEADSR1544TL	Diode	
D636	YEADSR1544TL	Diode	
D651	YEADUDZS56BT	Diode	
D652	YEADUDZS56BT	Diode	
D701	YEAD1N5404UT	Diode	
D703	YEADRB051L40	Diode	
D731	YEADUDZS82BT	Diode	
D741	YEADUDZS91BT	Diode	
D751	YEADUDZS91BT	Diode	
CAPACITORS			
C1	ECUV1C104KBV	Ceramic, 0.1 μ F 16WV	
C2	ECUV1C104KBV	Ceramic, 0.1 μ F 16WV	
C3	ECUV1H392KBV	Ceramic, 3900PF 50WV	
C4	ECUV1H123KBN	Ceramic, 0.012 μ F 50WV	
C7	ECUV1H562KBV	Ceramic, 5600PF 50WV	
C8	ECUV1H103KBV	Ceramic, 0.01 μ F 50WV	
C9	ECUV1H822KBV	Ceramic, 8200PF 50WV	
C11	ECUV1E223KBV	Ceramic, 0.022 μ F 50WV	
C12	ECUV1H392KBV	Ceramic, 3900PF 50WV	
C13	ECUV1H222KBV	Ceramic, 2200PF 50WV	
C14	ECUV1H561KBV	Ceramic, 560PF 50WV	
C21	ECUV1C104KBV	Ceramic, 0.1 μ F 16WV	
C22	ECUV1C104KBV	Ceramic, 0.1 μ F 16WV	
C23	ECUV1C333KBV	Ceramic, 0.033 μ F 50WV	
C24	ECUV1H683KBN	Ceramic, 0.068 μ F 50WV	
C28	ECUV1H273KBN	Ceramic, 0.027 μ F 50WV	
C29	ECUV1H222KBV	Ceramic, 2200PF 50WV	
C30	ECUV1H332KBV	Ceramic, 3300PF 50WV	
C31	ECUV1H561KBV	Ceramic, 560PF 50WV	
C51	ECUV1H102KBV	Ceramic, 1000PF 50WV	
C52	ECUV1H102KBV	Ceramic, 1000PF 50WV	
C53	ECUV1H102KBV	Ceramic, 1000PF 50WV	
C54	ECUV1H103KBV	Ceramic, 0.01 μ F 50WV	
C55	ECUV1H103KBV	Ceramic, 0.01 μ F 50WV	
C61	ECUV1C104KBV	Ceramic, 0.1 μ F 16WV	
C62	ECUV1C104KBV	Ceramic, 0.1 μ F 16WV	
C63	ECUV1H392KBV	Ceramic, 3900PF 50WV	
C64	ECUV1H123KBN	Ceramic, 0.012 μ F 50WV	
C67	ECUV1H562KBV	Ceramic, 5600PF 50WV	
C68	ECUV1H103KBV	Ceramic, 0.01 μ F 50WV	
C69	ECUV1H822KBV	Ceramic, 8200PF 50WV	
C71	ECUV1E223KBV	Ceramic, 0.022 μ F 25WV	
C72	ECUV1H392KBV	Ceramic, 3900PF 50WV	
C73	ECUV1H222KBV	Ceramic, 2200PF 50WV	
C74	ECUV1H561KBV	Ceramic, 560PF 50WV	
C81	ECUV1C104KBV	Ceramic, 0.1 μ F 16WV	
C82	ECUV1C104KBV	Ceramic, 0.1 μ F 16WV	
C83	ECUV1C333KBV	Ceramic, 0.033 μ F 16WV	
C84	ECUV1H683KBN	Ceramic, 0.068 μ F 50WV	
C88	ECUV1H273KBN	Ceramic, 0.027 μ F 50WV	
C89	ECUV1H222KBV	Ceramic, 2200PF 50WV	
C90	ECUV1H332KBV	Ceramic, 3300PF 50WV	
C91	ECUV1H561KBV	Ceramic, 560PF 50WV	
C101	ECUV1C154ZFN	Ceramic, 0.15 μ F 16WV	
C102	ECUV1E223KBV	Ceramic, 0.022 μ F 25WV	
C103	ECUV1H183KBN	Ceramic, 0.018 μ F 50WV	
C104	ECUV1C154ZFN	Ceramic, 0.15 μ F 16WV	
C121	ECUV1C224ZVF	Ceramic, 0.22 μ F 16WV	
C125	ECEA1HKSRS68I	Electrolytic, 0.68 μ F 50WV	
C131	ECUV1C224ZVF	Ceramic, 0.22 μ F 16WV	
C135	ECEA1HKSRS68I	Electrolytic, 0.68 μ F 50WV	
C151	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C152	ECUV1H151JCV	Ceramic, 150PF 50WV	
C153	ECUV1H471KBV	Ceramic, 470PF 50WV	
C154	ECUV1E223KBV	Ceramic, 0.022 μ F 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C156	ECUV1H103KBV	Ceramic, 0.01μF 50WV	
C161	ECUV1E223KBV	Ceramic, 0.022μF 25WV	
C162	ECEA1CU221B	Electrolytic, 220μF 16WV	
C163	ECUV1H103KBV	Ceramic, 0.01μF 50WV	
C164	ECUV1E223KBV	Ceramic, 0.022μF 25WV	
C165	ECEA1CU221B	Electrolytic, 220μF 16WV	
C177	ECUV1C473KBV	Ceramic, 0.047μF 16WV	
C200	ECUV1H103KBV	Ceramic, 0.01μF 50WV	
C201	ECEA0JKS331I	Electrolytic, 330μF 6.3WV	
C202	ECUV1C683KBV	Ceramic, 0.068μF 16WV	
C203	ECUV1C683KBV	Ceramic, 0.068μF 16WV	
C204	ECUV1H103KBV	Ceramic, 0.01μF 50WV	
C205	ECEA1HSN2R2I	Electrolytic, 2.2μF 50WV	
C206	ECUV1C473KBV	Ceramic, 0.047μF 16WV	
C207	ECUV1H821KBV	Ceramic, 820PF 50WV	
C208	ECEA1HSN2R2I	Electrolytic, 2.2μF 50WV	
C209	ECEA1HKS22I	Electrolytic, 0.22μF 50WV	
C211	ECEA1HKS2R2I	Electrolytic, 2.2μF 50WV	
C212	ECEA1HKS2R2I	Electrolytic, 2.2μF 50WV	
C213	ECEA1HSN2R2I	Electrolytic, 2.2μF 50WV	
C220	ECEA1AKS470I	Electrolytic, 47μF 10WV	
C221	ECEA1CKS100I	Electrolytic, 10μF 16WV	
C222	ECEA1CKS100I	Electrolytic, 10μF 16WV	
C235	ECUV1C224KBN	Ceramic, 0.22μF 16WV	
C236	ECUV1C224KBN	Ceramic, 0.22μF 16WV	
C237	ECUV1C224KBN	Ceramic, 0.22μF 16WV	
C238	ECUV1C224KBN	Ceramic, 0.22μF 16WV	
C241	ECEA1CU101I	Electrolytic, 100μF 16WV	
C242	ECEA1HKS010I	Electrolytic, 1μF 16WV	
C261	ECEA1AKS330I	Electrolytic, 33μF 10WV	
C262	ECUV1H103KBV	Ceramic, 0.01μF 50WV	
C263	ECUV1H103KBV	Ceramic, 0.01μF 50WV	
C264	ECEA1CKS470I	Electrolytic, 47μF 16WV	
C271	ECUV1H104KBN	Ceramic, 0.1μF 50WV	
C302	ECUV1C683KBV	Ceramic, 0.068μF 16WV	
C303	ECUV1C683KBV	Ceramic, 0.068μF 16WV	
C304	ECUV1H103KBV	Ceramic, 0.01μF 50WV	
C305	ECEA1HSN2R2I	Electrolytic, 2.2μF 50WV	
C307	ECUV1H821KBV	Ceramic, 820PF 50WV	
C308	ECEA1HSN2R2I	Electrolytic, 2.2μF 50WV	
C309	ECEA1HKS22I	Electrolytic, 0.22μF 50WV	
C311	ECEA1HKS2R2I	Electrolytic, 2.2μF 50WV	
C312	ECEA1HKS2R2I	Electrolytic, 2.2μF 50WV	
C313	ECEA1HSN2R2I	Electrolytic, 2.2μF 50WV	
C320	ECEA1AKS470I	Electrolytic, 47μF 10WV	
C321	ECEA1CKS100I	Electrolytic, 10μF 16WV	
C322	ECEA1CKS100I	Electrolytic, 10μF 16WV	
C335	ECUV1C224KBN	Ceramic, 0.22μF 16WV	
C336	ECUV1C224KBN	Ceramic, 0.22μF 16WV	
C337	ECUV1C224KBN	Ceramic, 0.22μF 16WV	
C338	ECUV1C224KBN	Ceramic, 0.22μF 16WV	
C450	ECUV1H150JCV	Ceramic, 15PF 50WV	
C451	ECUV1H150JCV	Ceramic, 15PF 50WV	
C454	ECUV1H101JCV	Ceramic, 100PF 50WV	
C457	ECUV1H103KBV	Ceramic, 0.01μF 50WV	
C458	ECEA1HKS4R7I	Electrolytic, 4.7μF 50WV	
C459	ECUV1H103KBV	Ceramic, 0.01μF 50WV	
C461	ECUV1H101JCV	Ceramic, 100PF 50WV	
C462	ECUV1H103KBV	Ceramic, 0.01μF 50WV	
C501	ECUV1H681KBV	Ceramic, 680PF 50WV	
C502	ECUV1H681KBV	Ceramic, 680PF 50WV	
C503	ECEA1EKS4R7I	Electrolytic, 4.7μF 25WV	
C504	ECUV1H681KBV	Ceramic, 680PF 50WV	
C505	ECUV1H681KBV	Ceramic, 680PF 50WV	
C506	ECEA1EKS4R7I	Electrolytic, 4.7μF 25WV	
C507	ECEA1HKS2R2I	Electrolytic, 2.2μF 50WV	
C508	ECEA1HKS2R2I	Electrolytic, 2.2μF 50WV	
C601	ECUV1H220JCV	Ceramic, 22PF 50WV	
C602	ECUV1H220JCV	Ceramic, 22PF 50WV	
C603	ECUV1H390JCV	Ceramic, 39PF 50WV	
C604	ECUV1H390JCV	Ceramic, 39PF 50WV	
C605	ECUV1H390JCV	Ceramic, 39PF 50WV	
C606	ECUV1H220JCV	Ceramic, 22PF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C608	ECUV1H103KBV	Ceramic, 0.01μF 50WV	
C609	ECUV1C104KBV	Ceramic, 0.1μF 16WV	
C611	ECUV1C104KBV	Ceramic, 0.1μF 16WV	
C613	ECUV1C104KBV	Ceramic, 0.1μF 16WV	
C616	ECUV1C104KBV	Ceramic, 0.1μF 16WV	
C651	ECUV1H103KBV	Ceramic, 0.01μF 50WV	
C701	ZZeca1CM222B	Electrolytic, 2200μF 16WV	
C702	YESCC237	Electrolytic, 2200μF 16WV	
C703	ECEA1AU221I	Electrolytic, 220μF 10WV	
C705	ECUV1C104KBV	Ceramic, 0.1μF 16WV	
C707	ECUV1C224ZFV	Ceramic, 0.22μF 16WV	
C709	ECEA0JU101I	Electrolytic, 100μF 6.3WV	
C710	YESCC237	Electrolytic, 2200μF 16WV	
C713	ECEA0JU101I	Electrolytic, 100μF 6.3WV	
C714	ECEA1CKS100I	Electrolytic, 10μF 16WV	
C718	ECEA1AKS101I	Electrolytic, 100μF 10WV	
C733	ECUV1H103KBN	Ceramic, 0.01μF 50WV	
C761	ECUV1H221KCN	Ceramic, 220PF 50WV	
C762	ECUV1H221KCN	Ceramic, 220PF 50WV	
C771	ECUV1C224KBN	Ceramic, 0.22μF 16WV	
C772	ECUV1C224KBN	Ceramic, 0.22μF 16WV	
C776	ECUV1H103KBN	Ceramic, 0.01μF 50WV	
C777	ECUV1H221KCN	Ceramic, 220PF 50WV	
C778	ECUV1H221KCN	Ceramic, 220PF 50WV	
C779	ECUV1H221KCN	Ceramic, 220PF 50WV	
C780	ECUV1H221KCN	Ceramic, 220PF 50WV	
C781	ECUV1H103KBN	Ceramic, 0.01μF 50WV	
C782	ECUV1H103KBN	Ceramic, 0.01μF 50WV	
C783	ECUV1H103KBN	Ceramic, 0.01μF 50WV	
C784	ECUV1H221KCN	Ceramic, 220PF 50WV	
C785	ECUV1H103KBN	Ceramic, 0.01μF 50WV	
C786	ECUV1H221KCN	Ceramic, 220PF 50WV	
RESISTORS			
C50	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R1	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R2	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R3	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R4	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R5	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R6	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R8	ERJ3GEYJ182V	Chip, 1.8kΩ 1/16W	
R9	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	
R10	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R21	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R22	ERJ3GEYJ822V	Chip, 8.2kΩ 1/16W	
R23	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R24	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R25	ERJ3GEYJ822V	Chip, 8.2kΩ 1/16W	
R27	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R28	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	
R51	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R52	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R53	ERJ3GEYJ224V	Chip, 220kΩ 1/16W	
R54	ERJ3GEYJ224V	Chip, 220kΩ 1/16W	
R56	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R61	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R62	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R63	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R64	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R65	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R66	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R68	ERJ3GEYJ182V	Chip, 1.8kΩ 1/16W	
R69	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	
R70	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R81	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R82	ERJ3GEYJ822V	Chip, 8.2kΩ 1/16W	
R83	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R84	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R85	ERJ3GEYJ822V	Chip, 8.2kΩ 1/16W	
R87	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R88	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R101	ERJ3GEYJ392V	Chip, 3.9kΩ 1/16W	
R102	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R103	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R104	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R105	ERJ3GEYJ183V	Chip, 18kΩ 1/16W	
R121	ERJ3GEYJ821V	Chip, 820Ω 1/16W	
R124	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R131	ERJ3GEYJ821V	Chip, 820Ω 1/16W	
R134	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R152	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R153	ERJ3GEYJ563V	Chip, 56kΩ 1/16W	
R154	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R155	ERJ3GEYJ823V	Chip, 82kΩ 1/16W	
R156	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R157	ERJ3GEYJ101V	Chip, 100Ω 1/16W	
R158	ERJ3GEYJ123V	Chip, 12kΩ 1/16W	
R159	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R160	ERJ3GEYJ123V	Chip, 12kΩ 1/16W	
R200	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R201	ERJ3GEYJ682V	Chip, 6.8kΩ 1/16W	
R203	ERJ3GEYJ393V	Chip, 39kΩ 1/16W	
R204	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R205	ERJ3GEYJ122V	Chip, 1.2kΩ 1/16W	
R206	ERJ3GEYJ122V	Chip, 1.2kΩ 1/16W	
R207	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R211	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R213	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R221	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R222	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R231	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R235	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R236	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R237	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R238	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R271	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R301	ERJ3GEYJ682V	Chip, 6.8kΩ 1/16W	
R303	ERJ3GEYJ393V	Chip, 39kΩ 1/16W	
R304	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R305	ERJ3GEYJ122V	Chip, 1.2kΩ 1/16W	
R306	ERJ3GEYJ122V	Chip, 1.2kΩ 1/16W	
R307	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R311	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R313	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R321	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R322	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R335	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R336	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R337	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R338	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R452	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R453	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R454	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R455	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R456	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R457	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R458	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R459	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R460	ERJ3GEYJ227V	Chip, 2.7kΩ 1/16W	
R501	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R502	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R503	ERJ3GEYJ682V	Chip, 6.8kΩ 1/16W	
R504	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R505	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R506	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R507	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R508	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R517	ERJ3GEYJ682V	Chip, 6.8kΩ 1/16W	
R600	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R601	ERJ3GEYJ684V	Chip, 680kΩ 1/16W	
R602	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R603	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R604	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R607	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R609	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R610	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R611	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R612	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R615	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R616	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R627	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R634	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R635	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R637	ERJ3GEYJ474V	Chip, 470kΩ 1/16W	
R651	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R652	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R654	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R674	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R675	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R676	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R677	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R690	ERJ8GEYJ680V	Chip, 68Ω 1/8W	
R691	ERJ8GEYJ101V	Chip, 100Ω 1/8W	
R692	ERJ8GEYJ101V	Chip, 100Ω 1/8W	
R700	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R701	ERJ8GX1R00FT	Chip, 1.0Ω 1/8W	
R702	ERJ8GEYJ222V	Chip, 2.2kΩ 1/8W	
R703	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R705	YER122P2702D	Metal Film, 27kΩ 1/10W	
R706	YER122R2703D	Metal Film, 270kΩ 1/10W	
R707	YER122P4701D	Metal Film, 4.7kΩ 1/10W	
R708	YER122P4302D	Metal Film, 43kΩ 1/10W	
R715	ERJ12YJ1R0H	Chip, 1.0Ω 1/2W	
R716	ERJ12YJ1R0H	Chip, 1.0Ω 1/2W	
R717	ERJ12YJ1R0H	Chip, 1.0Ω 1/2W	
R731	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R732	ERJ6GEYJ1R0	Chip, 1.0Ω 1/10W	
R734	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R735	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R736	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R742	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R743	ERJ6GEYJ1R0	Chip, 1.0Ω 1/10W	
R751	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R752	ERJ6GEYJ1R0	Chip, 1.0Ω 1/10W	
R774	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R775	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R776	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R777	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R778	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R804	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R805	ERJ8GX0R00V	Chip, 0Ω 1/8W	
R808	ERJ8GX0R00V	Chip, 0Ω 1/8W	
R901	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R902	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R903	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R904	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R905	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
CONNECTORS			
CN501	YEAEKCF08QS	Connector, 8P	
CN502	YEAEKCF08QS	Connector, 8P	
CN631	YEAE9604S17S	Connector, 17P	
CN632	YEAE0110TKAG	Connector, 10P	
CN701	YEAE012462	Connector, 6P/10P	
CN702	YEAE012463	Connector, 12P	
CN901	YEAEKCF10PS	Connector, 10P	
CN902	YEAEKCF12PS	Connector, 12P	
COILS			
L51	YELT03N3R3JT	Coil	
L105	YELT03N1R0JT	Coil	
L451	YELTBLM21A10	Coil	
L601	YELTBLM21A10	Coil	
L602	YELTBLM21A10	Coil	
L603	YELTBLM21A10	Coil	

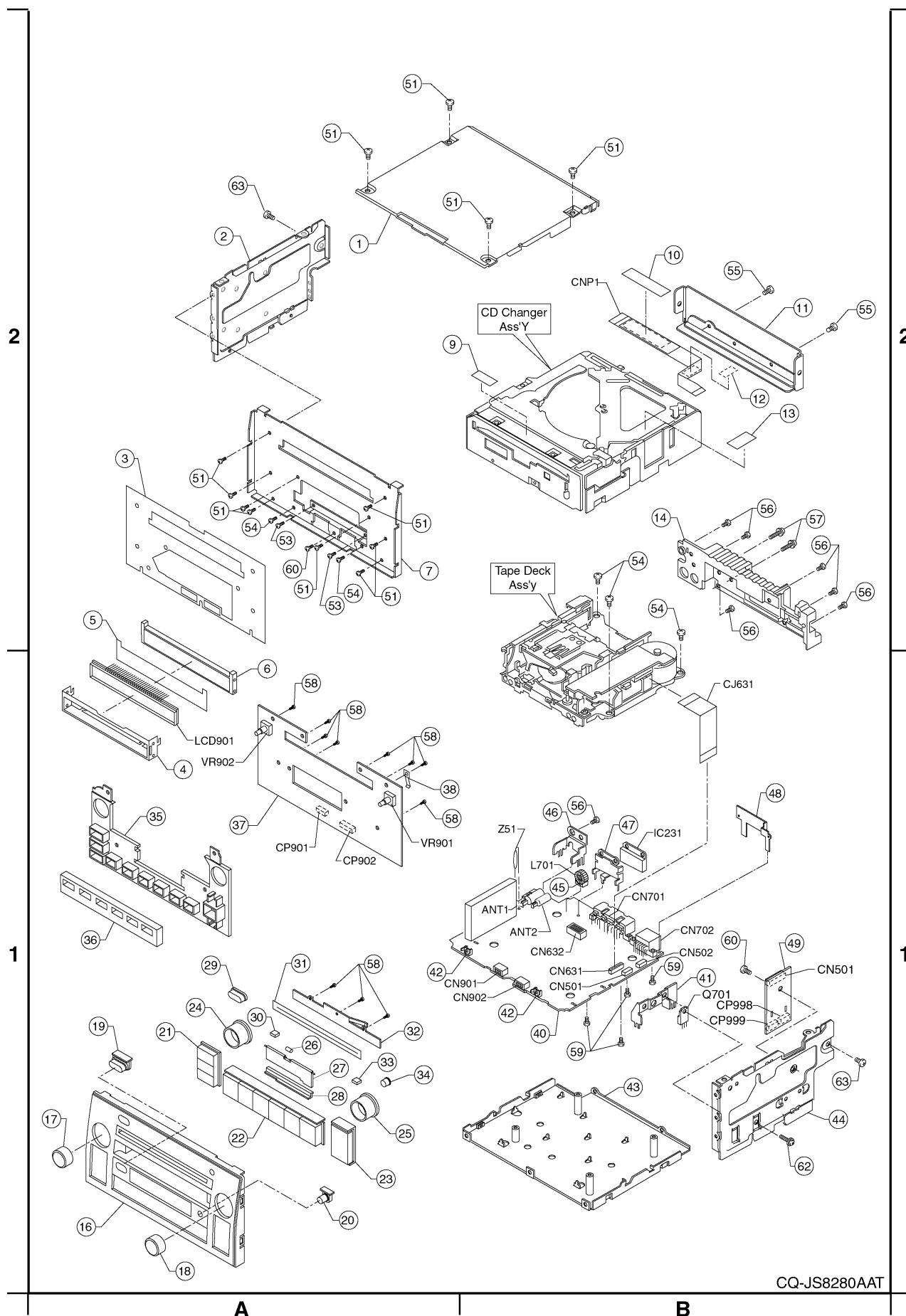
Ref. No.	Part No.	Part Name & Description	Remarks
L604	YELTBLM21A10	Coil	
L606	YELTBLM21A10	Coil	
L701	YETQ024C042V	Coil	
CRYSTALS			
XL451	YEXL4C0720TT	Crystal	
XL601	ZZYEXL32768T	Crystal	
XL602	YEXLCSA1258M	Crystal	
NEON TUBES			
Z51	YEADYP201MRT	Neon Lamp	
Z52	YEADYP201MRT	Neon Lamp	
NETWORK RESISTORS			
R606	YER14MNR102J	Network Resistor	
R613	YER14MNR102J	Network Resistor	
R614	YER14MNR102J	Network Resistor	
R617	YER14MNR102J	Network Resistor	
R618	YER14MNR102J	Network Resistor	
R622	YER14MNR102J	Network Resistor	
R623	YER14MNR102J	Network Resistor	
R625	YER14MNR102J	Network Resistor	
R626	YER14MNR102J	Network Resistor	
R628	YER14MNR102J	Network Resistor	
R629	YER14MNR102J	Network Resistor	
R630	YER14MNR102J	Network Resistor	
R631	YER14MNR102J	Network Resistor	
R632	YER14MNR102J	Network Resistor	
[E4C842ZB] Display Block			
IC AND TRANSISTOR			
IC901	YESAM162	IC	
Q901	YEANC114EKTX	Transistor	
DIODES			
D901	YEADSEC1403E	Diode	
D902	YEADSEC1403E	Diode	
D903	YEADSEC1401T	Diode	
D904	YEADSEC1401T	Diode	
D905	YEADSEC1401T	Diode	
D906	YEADSEL6414E	Diode	
D907	YEADSEL6414E	Diode	
D908	YEADSEC1401T	Diode	
D909	YEADSEL6414E	Diode	
D910	YEADSEL6414E	Diode	
D911	YEADSEL6414E	Diode	
D912	YEADSEL6414E	Diode	
D913	YEADSEL6414E	Diode	
D914	YEADSEL6414E	Diode	
D915	YEADSEL6414E	Diode	
D916	YEADSEL6414E	Diode	
D917	YEADSEL6414E	Diode	
D918	YEADSEL6414E	Diode	
D919	YEADSEL6414E	Diode	
D920	YEADSEL6414E	Diode	
D921	YEADSEC1401T	Diode	
D922	YEADSEC1401T	Diode	
D923	YEADSEL6414E	Diode	
D924	YEADSEC1401T	Diode	
D925	YEADSEC1401T	Diode	
D926	YEADSEC1401T	Diode	
D927	YEADSMML011MT	Diode	
D928	YEADSMML011MT	Diode	
D929	YEADSMML011MT	Diode	
D930	YEADSEC1401T	Diode	
D931	YEADSEC1401T	Diode	
D932	YEADSEC1401T	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D933	YEADSEC1401T	Diode	
D934	YEADSEC1401T	Diode	
D935	YEADSEC1401T	Diode	
D936	YEADSEC1401T	Diode	
D937	YEADSEC1401T	Diode	
D938	YEADSEC1401T	Diode	
D939	YEADSEC1401T	Diode	
D940	YEADSEC1401T	Diode	
D941	YEADSEC1401T	Diode	
D942	YEADSEC1401T	Diode	
D943	YEADSEC1401T	Diode	
D944	YEADSEC1401T	Diode	
D945	YEADSEC1401T	Diode	
D946	YEADSEC1401T	Diode	
D947	YEADSEC1401T	Diode	
D948	YEADSEC1401T	Diode	
D949	YEADSEC1401T	Diode	
D950	YEADSEC1401T	Diode	
D951	YEADSEC1401T	Diode	
D952	YEADSEC1401T	Diode	
D953	YEADSEC1401T	Diode	
D954	YEADSEC1401T	Diode	
D955	YEADSEC1401T	Diode	
D956	YEADSEC1401T	Diode	
D957	YEADSEC1401T	Diode	
D958	YEADSEC1401T	Diode	
D959	YEADSEC1401T	Diode	
CAPACITORS			
C901	ECUV1E473KBV	Ceramic, 0.01μF 25WV	
C902	ECUV1E473KBV	Ceramic, 0.01μF 25WV	
C903	ECUV1H821KBV	Ceramic, 820PF 50WV	
C904	ECUV1H103KBV	Ceramic, 0.01μF 50WV	
C905	ECUV1H103KBV	Ceramic, 0.01μF 50WV	
C907	ECUV1H181KBV	Ceramic, 180PF 50WV	
C908	ECUV1H181KBV	Ceramic, 180PF 50WV	
C909	ECUV1H181KBV	Ceramic, 180PF 50WV	
RESISTORS			
C932	ERJ8GEYJ300V	Chip, 30Ω 1/8W	
R901	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R911	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R912	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R913	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R914	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R915	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R916	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R917	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R918	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R919	ERJ6GEYJ121	Chip, 120Ω 1/10W	
R920	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R921	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R930	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R931	ERJ8GEYJ300V	Chip, 30Ω 1/8W	
CONNECTORS			
CP901	YEAETKCF10XS	Connector, 10P	
CP902	YEAETKCF12XS	Connector, 12P	
COIL			
L901	YELT03N101JT	Coil	
LCD			
LCD901	YEXDCM4C091	LCD	
SWITCHES			
SW901	KOF111A00417	Switch	

Ref. No.	Part No.	Part Name & Description	Remarks
SW902	KOF111A00417	Switch	
SW903	KOF111A00417	Switch	
SW904	KOF111A00417	Switch	
SW905	KOF111A00417	Switch	
SW906	KOF111A00417	Switch	
SW907	KOF111A00417	Switch	
SW908	KOF111A00417	Switch	
SW909	KOF111A00417	Switch	
SW910	KOF111A00417	Switch	
SW911	KOF111A00417	Switch	
SW912	KOF111A00417	Switch	
SW913	KOF111A00417	Switch	
SW914	KOF111A00417	Switch	
SW915	KOF111A00417	Switch	
	KOF111A00417	CHIP SWITCH	
VALIABLE RESISTORS			
VR901	EWVTAB002B24	Variablr resistor	
VR902	YEVK111F004	Variablr resistor	
[E4C818ZA] SUB Block			
TRANSISTORS			
Q920	YEAND1760QRT	Transistor	
Q921	YEANA114EKTX	Transistor	
Q922	YEANC114EKTX	Transistor	
DOIDES			
D920	YEADUDZ56BT	Diode	
CAPACITORS			
C921	ECUV1H103KBN	Ceramic, 0.01μF 50WV	
C922	ECUV1H103KBN	Ceramic, 0.01μF 50WV	
C923	ECUV1H103KBN	Ceramic, 0.01μF 50WV	
C924	ECUV1H103KBN	Ceramic, 0.01μF 50WV	
RESISTORS			
J900	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J901	ERJ8GX0R00V	Chip, 0Ω 1/8W	
R920	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R921	ERJ8GEYJ1R0V	Chip, 1.0Ω 1/8W	
R922	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R924	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R925	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R926	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R927	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R928	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R930	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
CONNECTORS			
CN501	YEAE5220715	Connector, 15P	
CP998	YEAETKCF08RS	Connector, 8P	
CP999	YEAETKCF08RS	Connector, 8P	
COILS			
L702	YELTBLM21A10	Coil	
L704	YELTBLM21A10	Coil	
Mechanical Parts			
MISCELLANEOUS			
ANT1	YAA104C701ZA	ANT Jack	
ANT2	YEAA10074A	ANT Ass'y	
CJ631	YEAES17A047A	Connector, 17P	
CNP1	YEAFFC013A	FFC, 15P	

Ref. No.	Part No.	Part Name & Description	Remarks
1	YEFA031665	Upper Cover	
2	YEFA09617	Side Plate, L	
3	YFV014C752ZB	Sheet	
4	YFA074C723ZA	LCD Bracket	
5	YFV014C748ZB	Sheet	
6	YFK044C726ZB	LCD Holder	
7	YFA074C727ZA	Front Plate	
9	YEFV011993	Sheet 4	
10	YEFV011992	Sheet 3	
11	YEFA08485	Bracket, Deck	
12	YEFV011991	Sheet 2	
13	YEFV011990	Sheet 1	
14	YFF014C726ZB	Heat Sink	
16	YFC014C864ZA	ESC Ass'y	
17	YFE074C733ZA	Knob, AUDIO	
18	YFE074C732ZA	Knob, VOL	
19	YFE134CB28ZA	Button, AUTO	
20	YFE134CB29ZA	Button, TAPE EJ	
21	YFE134CB26ZA	Button, DISC/AM/FM/TAPE	
22	YFE134CB25ZA	Button, PRESET 1-6	
23	YFE134CB27ZA	Button, TUNE/TRACK	
24	YFX014C785ZA	ETR Plate, AUDIO	
25	YFX014C784ZA	ETR Plate, VOL	
26	YFX054C719ZA	Spring, Dust Cover	
27	YEFX0021004	Dust Cover	
28	YFX014C788ZA	ETR Plate, TAPE	
29	YFE134CB30ZA	Button, LOAD	
30	YFX014C786ZA	ETR Plate, CD R	
31	YFS014C792ZA	Dust Felt	
32	YFX214C842ZA	Bracket, Dust Felt	
33	YFX014C787ZA	ETR Plate, CD L	
34	YFE134CB31ZA	Button, CD EJ	
35	YFK044C724ZA	Button Holder	
36	YFS014C797ZA	Sponge	
37	AAPC842A0	PCB w/Component	RTL
38	YFX214C782ZA	Earth Bracket	
40	AAPC816B0	PCB w/Component	RTL
41	YEFX0214604	Bracket, Q701	
42	YFX214C779ZA	Earth Bracket	
43	YEFA05721A	Button Cover	
44	YEFA09618	Side Plate, R	
45	YFS014C776ZA	Himilon	
46	YEFX0214693	Bracket, ANT1/ANT2	
47	YEFX0214615	Bracket, IC231	
48	YEFX0215002	Bracket, CN702	
49	AAPC818A0	PCB w/Component	RTL
51	XTB3+6FFXS	Screw, M3x6mm	
53	XTB26+6FFXS	Screw, M2.6x6mm	
54	XSB26+5FXS	Screw, M2.6x5mm	
55	XSB3+6FFXS	Screw, M3x6mm	
56	XTB3+8FFXS	Screw, M3x8mm	
57	YJT034C017ZA	Screw,	
58	XTB2+6GFX	Screw, M2x6mm	
59	XTB3+8GFN	Screw, M3x8mm	
60	YEJS064C001	Screw,	
62	YJT034C723ZA	Screw, M2.6x7mm	
63	YJT034C727ZA	Screw, M3x6mm	

10 EXPLODED VIEW (Unit)



11 CD CHANGER PARTS LIST

Ref. No.	Part No.	Part Name & Description	Remarks
[E8586C] CD Servo Block			
IC's and TRANSISTORS			
IC101	C1BB00000173	IC	
IC201	MN662783RPW	IC	
IC202	C3ABMB000010	IC	
IC301	MNS73260ACBL	IC	
IC401	YEAMBA6792FY	IC	
IC501	YEAMPC358G2T	IC	
IC601	C0GBY0000004	IC	
IC602	COJBAS000051	IC	
IC603	YEAMT4W53FUL	IC	
Q101	2SB766ATX	Transistor	
DIODE			
D301	MA152WKT	Diode	
CAPACITORS			
C100	ECEV1CA470SP	Electrolytic, 47μF 16WV	
C101	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C102	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C103	F3H0J1070005	Tantalum, 100μF 6.3WV	
C104	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C105	F3E0J475A001	Tantalum, 4.7μF 6.3WV	
C106	YECUS1E273KX	Ceramic, 0.027μF 25WV	
C107	YECUS1H152KX	Ceramic, 1500PF 50WV	
C108	YECUS1H472KX	Ceramic, 4700PF 50WV	
C109	YECUS1H102KX	Ceramic, 1000PF 50WV	
C110	YECUS1H102KX	Ceramic, 1000PF 50WV	
C111	YECWS1C106MS	Tantalum, 10μF 16WV	
C112	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C113	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C114	YECWS1C106MS	Tantalum, 10μF 16WV	
C115	YECUS1H102KX	Ceramic, 1000PF 50WV	
C116	YECUS1H102KX	Ceramic, 1000PF 50WV	
C118	YECUS1H391JM	Ceramic, 390PF 50WV	
C120	YECUS1H561JM	Ceramic, 560PF 50WV	
C122	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C202	YECUS1H123KX	Ceramic, 0.012μF 50WV	
C203	YECUS1C34KX	Ceramic, 0.33μF 16WV	
C204	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C205	YECWS1C106MS	Tantalum, 10μF 16WV	
C206	ECEV0JA470SR	Electrolytic, 47μF 6.3WV	
C207	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C208	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C209	YECWS1C106MS	Tantalum, 10μF 16WV	
C210	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C211	YECUS1A105KX	Ceramic, 1μF 10WV	
C301	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C302	YECWS1C106MS	Tantalum, 10μF 16WV	
C305	YECUS1H103KX	Ceramic, 0.01μF 50WV	
C401	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C402	ECEV1CA470SP	Electrolytic, 47μF 16WV	
C403	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C501	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C503	YECUS1E273KX	Ceramic, 0.027μF 25WV	
C504	YECUS1E393KX	Ceramic, 0.039μF 25WV	
C601	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C602	ECEV1CA470SP	Electrolytic, 47μF 16WV	
C603	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C604	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C605	F1H1H821A190	Ceramic, 820PF 50WV	
RESISTORS			
R100	ERJ6GEYJ334	Chip, 330kΩ 1/10W	
R101	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R102	ERJ12YJ330H	Chip, 33Ω 1/2W	
R103	ERJ6GEYJ683	Chip, 68kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R104	ERJ6GEYJ683	Chip, 68kΩ 1/10W	
R105	ERJ6GEYJ333	Chip, 33kΩ 1/10W	
R106	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R107	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R108	ERJ6GEYJ823	Chip, 82kΩ 1/10W	
R109	ERJ6GEYJ334	Chip, 330kΩ 1/10W	
R110	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R111	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R112	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R113	ERJ6GEYJ333	Chip, 33kΩ 1/10W	
R201	ERJ6GEYJ124	Chip, 120kΩ 1/10W	
R202	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R203	ERJ6GEYJ334	Chip, 330kΩ 1/10W	
R204	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R205	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R206	ERJ6GEYJ470	Chip, 47Ω 1/10W	
R207	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R208	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R209	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R210	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R211	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R212	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R213	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R301	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R302	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R303	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R304	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R305	ERJ6GEYJ563	Chip, 56kΩ 1/10W	
R306	ERJ6GEYJ563	Chip, 56kΩ 1/10W	
R307	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R308	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R309	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R310	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R311	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R312	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R313	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R314	ERJ6GEYJ823	Chip, 82kΩ 1/10W	
R315	ERJ6GEYJ823	Chip, 82kΩ 1/10W	
R316	ERJ6GEYJ823	Chip, 82kΩ 1/10W	
R317	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R318	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R319	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R320	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R321	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R322	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R324	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R325	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R326	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R327	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R328	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R401	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R402	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R501	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R502	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R503	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R504	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R505	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R601	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R602	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R603	ERJ6GEYJ273	Chip, 27kΩ 1/10W	
R604	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R605	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R606	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R607	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R608	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R609	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	

CONNECTORS

CN1	YEAE5220715	Connector, 15P
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Ref. No.	Part No.	Part Name & Description	Remarks
CN101	YEEAE5220715	Connector, 15P	
CN301	YEEAE5227112	Connector, 12P	
CN401	YEEAE5220706	Connector, 6P	
CN402	YEEAE5326102	Connector, 2P	
CN501	YEEAE5227110	Connector, 10P	
SWITCHes			
SW10	ESE102MH4	Switch	
SW11	ESE102MH4	Switch	
SW12	ESE102MH4	Switch	
SW13	ESE102MH4	Switch	
COIL			
L101	YELTLM41P750	Coil	
CRYSTALS			
XL201	H2D169500001	Crystal	
XL301	YEXLSTCC737T	Crystal	
[E2682]			
DIODE			
D1	ON1004	Diode	
SWITCHES			
SW3	ESE102MH4	Switch	
[E2684B]			
DIODEs			
D1	LN01201C	Diode	
D2	LN01201C	Diode	
D3	LN01201C	Diode	
[E2685B]			
IC's and TRANSISTORS			
Q1	PNZ14700R	Transistor	
Q2	PNZ14700R	Transistor	
Q3	PNZ14700R	Transistor	
DIODE			
D1	ON1004	Diode	
SWITCH			
SW4	ESE102MH4	Switch	
CONNECTOR			
JD1	YEEAE5227106	Connector, 6P	
Mechanical Parts			
MISCELLANEOUS			
3	K1LA02A00021	Cord w/Connector	(4-A)
4	YEAP2683B	Suspension FPC	(1-E)
5	YEATSD00405	Terminal	(1-F)
6	YEFA011711G	Upper Chassis Ass'y	(3-B)
7	YEFA011713A	Side Chassis (R)	(1-C)
8	YEFA011714D	Side Chassis (L) Ass'y	(4-A)
9	YEFA011716	Suspension Chassis Ass'y	(1-D)
10	YEFA011718A	Suspension Chassis (Bottom) Ass'y	(1-D)

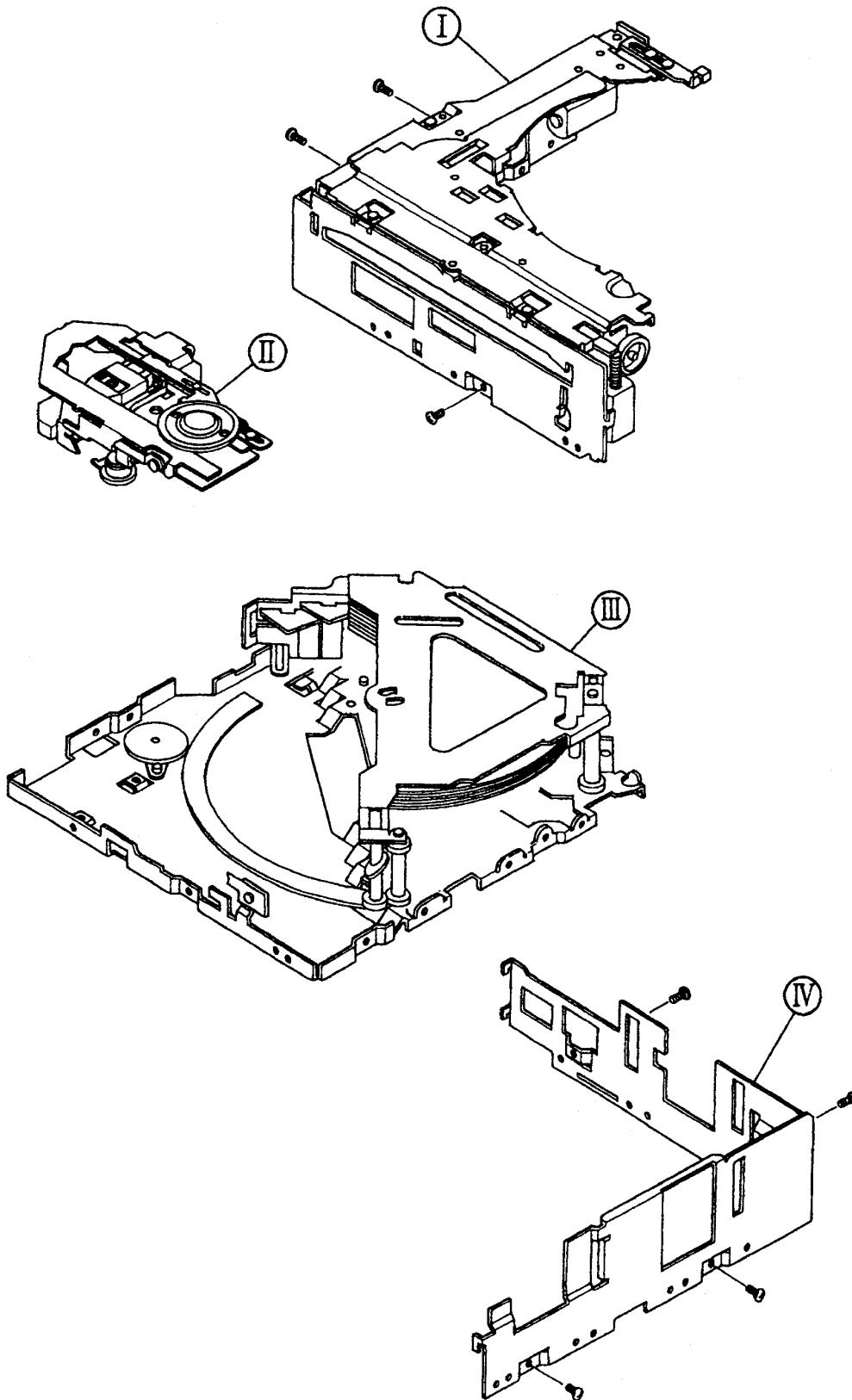
Ref. No.	Part No.	Part Name & Description	Remarks
11	YEFA011720B	Swing Chassis Ass'y	(3-D)
12	YEFA011722A	Stocker Plate Ass'y	(4-F)
13	YGFA011858B	Main Chassis Ass'y	(3-E)
14	YEFS04707	Damper	(4-D)
16	YEFV011897	Insulator	(2-F)
17	YEFW04158	Bearing	(3-D)
18	YEFW04159A	Roller Shaft Holder(L)	(2-B)
19	YEFX04161A	Feed Screw Housing	(1-E)
20	YGFW04167	Disc Collar	(2-B)
22	YEFW062351	Disc Roller Shaft	(2-A)
23	YEFW062461A	Roller Shaft Ass'y	(2-B)
24	YEFX003872	Elevator Gear(1)	(3-F)
25	YEFX003873	Elevator Gear(2)	(2-F) (3-F)
26	YEFX003874	Elevator Gear(3)	(3-E)
27	YEFX003875	Elevator Gear(4)	(3-E) (2-F)
28	YEFX003877	Traverse Gear(2)	(2-D)
29	YEFX003878A	Traverse Gear(3)	(2-D)
30	YEFX003879	Traverse Gear(4)	(1-D)
31	YEFX003882A	Stocker Cam Gear(1)	(3-F)
32	YEFX003883B	Stocker Cam Gear(2)	(3-E) (2-F)
33	YEFX003884	Stocker Cam Gear(3)	(3-E) (2-F)
34	YGFX0031007	Disc Hold Gear	(3-F)
35	YEFX0031057	Load Gear	(3-B)
36	YEFX003891A	Push Gear(1)	(3-B)
37	YEFX0031003	Push Gear(2)	(3-B)
38	YEFX003894	Horizontal Cam Gear(1)	(3-D)
39	YEFX003895A	Horizontal Cam Gear(2)	(2-E)
40	YEFX003896	Horizontal Gear(1)	(3-E)
41	YEFX003897A	Horizontal Gear(2)	(3-E)
42	YEFX003898	Horizontal Gear(3)	(3-E)
43	YEFX003899B	Horizontal Gear(4)	(3-D)
44	YEFX003929	Horizontal Cam Gear(3)	(3-E)
45	YEFX003931	Horizontal Gear(5)	(3-D) (2-D)
46	YEFX003932A	Push Cam Gear	(3-B)
47	YEFX0052269	FPC Hold Spring	(2-D)
48	YEFX0052272	Guide Spring(B)	(1-B)
49	YEFX0052274B	Suspension Lock Spring	(3-D)
50	YEFX0052275A	Swing Spring	(3-D)
51	YEFX0052276A	Stocker Spring(1)	(4-D) (4-E)
52	YEFX0052277	Stocker Spring(2)	(4-D) (4-E)
53	YEFX0052278	Thrust Spring	(1-E)
54	YEFX0052279	Sencer Lever Spring	(1-E) (1-F)
55	YGFX0052449A	Damper Spring	(4-D)
56	YEFX0052447	Balance Spring(1)	(3-D)
57	YEFX0052284	Push Spring	(3-A)
58	YEFX0052285A	Spring	(4-B)
59	YGFX0052499	Roller Hold Spring(L)	(2-B)
60	YEFX0052527	Roller Hold Spring(R)	(2-B)
61	YEFX0052289A	Push Lever Spring	(4-E)
62	YEFX0052290A	Feeder Spring	(4-B)
63	YEFX0052291B	Push Plate Spring	(3-B)
64	YEFX0052292A	Change Spring	(1-D)
65	YEFX0052335	Guide Spring(F)	(2-B)
66	YEFX0052366	Stocker Thrust Spring	(4-E) (3-F)
67	YEFX0052495	Damper Spring (R)	(4-D)
68	YGFX0052494	Damper Spring (L)	(4-D)
69	YEFX0052445	Lock Spring	(3-A)
70	YEFX018552	Travesse Motor Bracket Ass'y	(2-E)
71	YEFX018553D	Guide(F) Bracket	(3-E)
72	YEFX018595	Guide(B)	(3-D)
73	YEFX018556A	Bearing Bracket	(3-D)
74	YEFX018596	Stopper Plate	(1-D)
75	YEFX018638	Gear Bracket Ass'y	(2-D)
76	YEFX018600	Elevator Motor Bracket	(3-F)
77	YEFX0461903A	Guide Lever (B) Ass'y	(3-D)
78	YEFX0461905A	Guide Lever (F) Ass'y	(3-E)

Ref. No.	Part No.	Part Name & Description	Remarks
79	YEFX0461914B	Senser Cover	(1-F)
80	YEFX0461917	Stocker Rack	(4-F)
81	YEFX0461918	Senser Lever(B)	(2-E)
82	YEFX0461919A	Sneser Lever(FA)	(1-F)
83	YEFX0461922D	Feeder Plate	(2-B)
84	YGFX0462143	Push Lever	(3-A)
85	YEFX0461926A	Rack Lever	(3-F)
86	YEFX0461931A	Push Lever	(4-E)
87	YGFX0462062B	Escape Lever(1)	(3-A)
88	YEFX219129	Guide (F)	(2-B)
90	YEFX0462002C	Guide Cam Plate(F)	(1-B)
91	YEFX0462003B	Guide Cam (B) Plate Ass'y	(1-B)
92	YEFX0462026	Lever Guide Plate Ass'y	(2-D)
93	YEFS02342	Felt	(4-A)
94	YEFX0462029	Feeder Guide Plate Ass'y	(2-B)
95	YEFX206135C	Guide(BL)	(1-B)
96	YEFX206136D	Guide(BU)	(1-B)
97	YEFX206137A	Guide(FL)	(2-B)
98	YEFX206138C	Guide(FU)	(2-B)
99	YEFX206139E	Disc Guide	(2-A)
100	YEFX206140	Traverse Guide	(1-D)
101	YEFX206141A	FPC Guide	(1-D)
102	YEFX206143	Disc Guide(S)	(2-D)
103	YEFX206144	Disc Guide(U)	(3-B)
104	YEFX218296	Disc Roller	(2-A)
105	YEFX218299	Disc Roller	(2-B)
106	YEFX219124A	Guide (B) Base Ass'y	(1-B)
107	YEFX219126D	Guide Base (F) Ass'y	(2-B)
108	YEFX233504A	Stocker Tray Housing	(4-D)
109	YGFX233521	Disc Holder(L)	(3-F)
110	YEFX233506	Disc Holder(U)	(4-E)
111	YEFX234192	Elevator Cam	(2-E)
112	YEFX249486	Feeder Arm Ass'y	(1-A)
113	YEFX9992184	Suspension Balancer 1	(1-D)
114	YEFX9992237	Stocker Tray	(4-D)
115	YEFX9991903	Feed Screw Guide	(1-E)
120	YEJT03220	Feed Screw Ass'y	(1-D)
121	YEP0FX4700	Optical Pick-up Ass'y	(1-E)
122	YGP0FX3633	Spindle Motor Ass'y	(1-E)
123	YGP0FX3661S	Horizontal Motor Ass'y	(4-A)
124	YGP0FX3660S	Vertical Motor Ass'y	(3-F)
125	YGP0FX3662S	Loading Motor Ass'y	(3-C)
126	YGP0FX3663S	Traverse Motor Ass'y	(2-E)
134	YEFX218308	Roller	(1-A)
135	YEFX0031053	Load Gear	(2-B)
136	YEFX0031054	Load Gear	(2-C)
137	YEFX014040	Retaining Ring, 2mm	(2-C)
138	YGP0PT8586A2	PCB w/Component	RTL
139	YGP0PT2682A0	PCB w/Component	RTL
140	YGP0PT2684A0	PCB w/Component	RTL
141	YGP0PT2685A0	PCB w/Component	RTL
142	YEFX0052448	Spring	(3-D)
143	YEFX9992193	Suspension Balancer 3	(1-D)
144	YEFX9992192A	Suspension Balancer 2	(1-D)
145	YGFS011864	Pad	(3-C)
146	YEFW04181	Guide Plate Collar	(1-B)
150	XUC2V	Retaining Ring, 2mm	
151	YGJE01044	Retaining Ring	
152	XUC15V	Retaining Ring, 1.5mm	
153	YGFX014047	Retaining Ring	
154	YEJS06097A	Screw, 2mm * 2.5mm	
155	YEJS06173	Screw	
156	YEJS06220	Screw	
157	YEJT03216	Tapping Screw	
158	XQN14+C18FX	Screw, 1.4mm * 1.8mm	
159	XQN17+A2FX	Screw, 1.7mm * 2mm	
160	XQN2+A2FX	Screw, 2mm * 2mm	
161	XQN2+C25FX	Screw, 2mm * 2.5mm	
162	XSB2+3FX	Screw, 2mm * 3mm	
163	XSB26+3FX	Screw, 2.6mm * 3mm	
164	YQN2+C3FX	Screw, 2mm * 3mm	

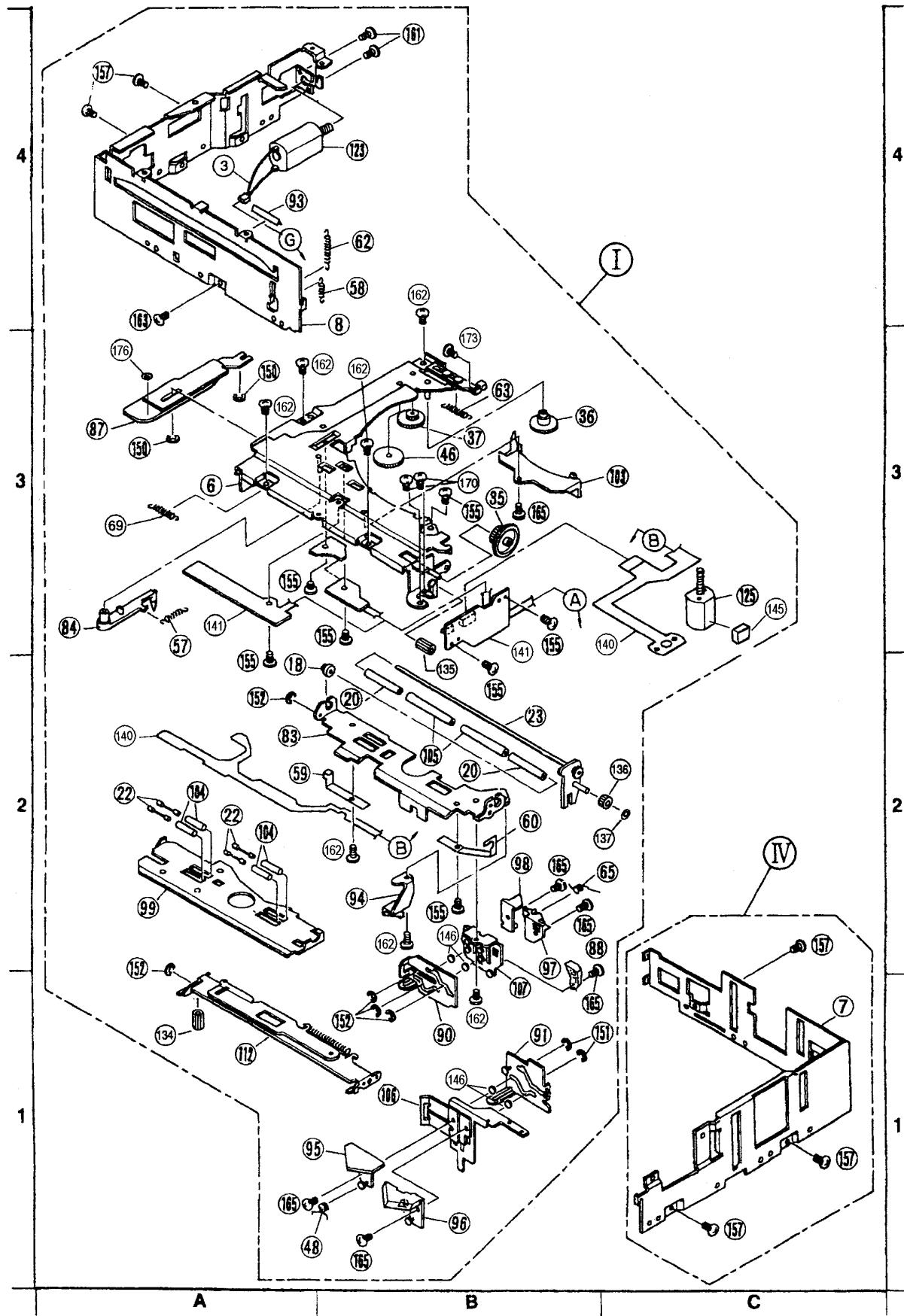
Ref. No.	Part No.	Part Name & Description	Remarks
165	XYN2+C4FX	Screw, 2mm * 4mm	
166	XSB2+4FX	Screw, 2mm * 4mm	
167	XYN2+J5FX	Screw, 2mm * 5mm	
168	XYN2+C6FX	Screw, 2mm * 6mm	
169	XYN2+C10FX	Screw, 2mm * 10mm	
170	XQN2+C2FX	Screw, 2mm * 2mm	
171	YEJT03129	Tapping Screw, 2mm * 4mm	
173	YEJS06244	Screw	
174	YEJS06242	Screw	
175	XYN2+C8FX	Screw, 2mm * 8mm	
176	YGFX0051590	Retaining Ring	

12 EXPLODED VIEW (CD Deck)

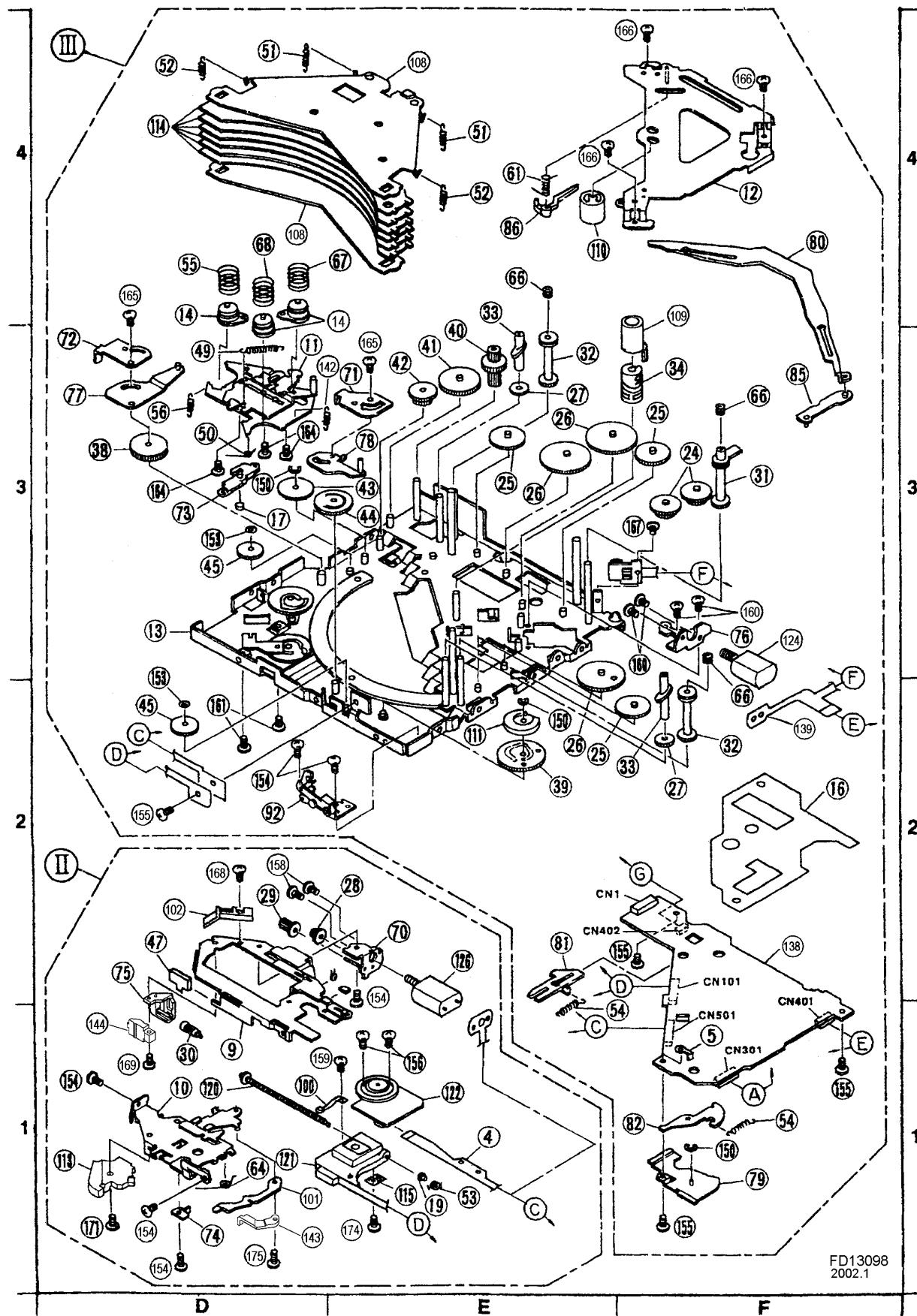
12.1. CD Deck-1



12.2. CD Deck-2



12.3. CD Deck-3

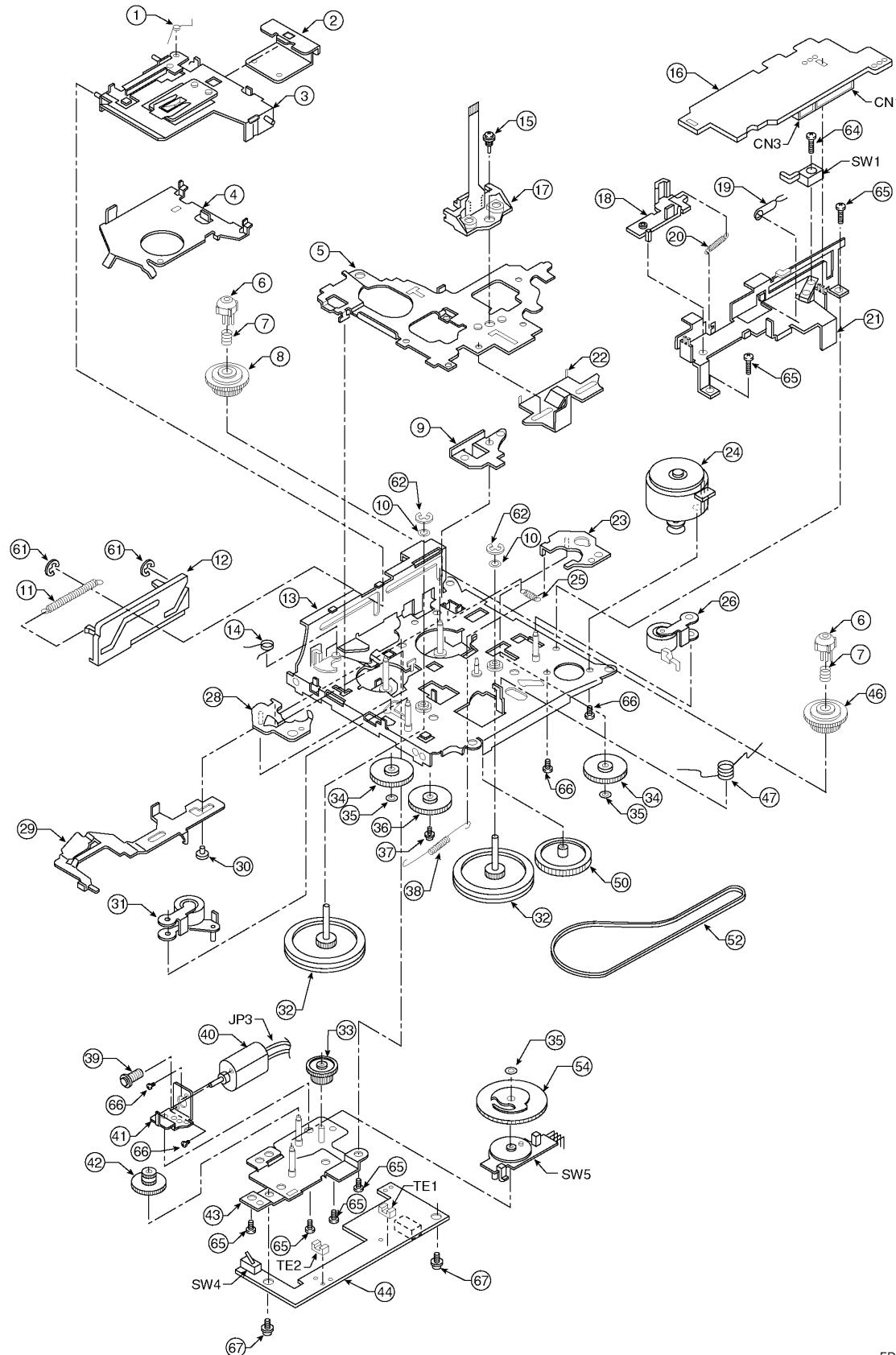


13 TAPE PLAYER PARTS

Ref. No.	Part No.	Part Name & Description	Remarks
[E8790A] Tape Dolby Block			
ICs AND TRANSISTORS			
IC1	C1BB00000100	IC	
Q401	YEANC114YKT	Transistor	
CAPACITORS			
C201	YECUS1H331JM	Ceramic, 330PF 50WV	
C202	YECUS1H331JM	Ceramic, 330PF 50WV	
C204	YECUS1H123KX	Ceramic, 0.012μF 50WV	
C205	YECUS1E333KX	Ceramic, 0.033μF 25WV	
C206	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C301	YECUS1H331JM	Ceramic, 330PF 50WV	
C302	YECUS1H331JM	Ceramic, 330PF 50WV	
C304	YECUS1H123KX	Ceramic, 0.012μF 50WV	
C305	YECUS1E333KX	Ceramic, 0.033μF 25WV	
C306	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C401	ECA1CSA220I	Electrolytic, 22μF 16WV	
C402	ECEA1AKS330I	Electrolytic, 33μF 10WV	
C403	YECUV2A103KX	Ceramic, 0.01μF 100WV	
C404	YECUS1E333KX	Ceramic, 0.033μF 25WV	
C405	ECA1HSAR33I	Electrolytic, 0.33μF 50WV	
C406	YECUS1H472KX	Ceramic, 0.0047μF 50WV	
C407	ECEA1CKS100I	Electrolytic, 10μF 16WV	
C409	YECUS1H472KX	Ceramic, 0.0047μF 50WV	
C501	YECUV1E334ZF	Ceramic, 0.33μF 25WV	
RESISTORS			
R201	ERJ6GEYJ683	Chip, 68kΩ 1/10W	
R202	ERJ6GEYJ683	Chip, 68kΩ 1/10W	
R207	ERJ8GEYJ181V	Chip, 180Ω 1/8W	
R301	ERJ6GEYJ683	Chip, 68kΩ 1/10W	
R302	ERJ6GEYJ683	Chip, 68kΩ 1/10W	
R307	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R402	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R403	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R404	ERJ8GEYJ334V	Chip, 330kΩ 1/8W	
R405	ERJ8GEYJ392V	Chip, 3.9kΩ 1/8W	
R406	ERJ6GEYJ273	Chip, 27kΩ 1/10W	
R408	ERJ8GEYJ223V	Chip, 22kΩ 1/8W	
R409	ERJ6GEYJ273	Chip, 27kΩ 1/10W	
R501	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
CONNECTORS			
CN1	YEAEO12385	Connector, 17P	
CN3	YEAESLW05R1	Connector, 5P	
SWITCHES			
SW1	K0J1CB00001	Switch	
SW2	YEAS07174	Switch	
SW3	YEAS08042	Switch	
VARIABLE RESISTORS			
VR201	EVNDXAA00B13	Variable Resistor	
VR301	EVNDXAA00B13	Variable Resistor	
[E8791] Tape Reel Block			
PHOTOCOUPLED			
TE1	YEADRP1221	Photocoupler	
TE2	YEADRP1221	Photocoupler	
CAPACITORS			
C1	YECUS1H471JM	Ceramic, 470PF 50WV	
C2	YECUS1H471JM	Ceramic, 470PF 50WV	
C3	YECUS1H471JM	Ceramic, 470PF 50WV	
RESISTORS			
R1	ERJ8GEYJ683V	Chip, 68kΩ 1/8W	
R2	ERJ8GEYJ683V	Chip, 68kΩ 1/8W	
R3	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R4	ERJ8GEYJ472V	Chip, 4.7kΩ 1/8W	
R5	ERJ8GEYJ472V	Chip, 4.7kΩ 1/8W	
R6	ERJ8GEYJ472V	Chip, 4.7kΩ 1/8W	
R7	ERJ8GEYJ821V	Chip, 820Ω 1/8W	
R8	ERJ8GEYJ821V	Chip, 820Ω 1/8W	
CONNECTORS			
CN2	YEAEO110TKCR	Connector, 10P	
JP3	YGAJ071387A	CORD W/Connector	
SWITCHES			
SW4	YEAS07174	Switch	
SW5	EVQWJE001	Rotary Switch	
Mechanical Parts			
MISCELLANEOUS			
1	YGFX0052472	Lock Plate Spring	
2	YGFX0052454	Spring	
3	YGFX0462100	Cassette Holder (U) Ass'y	
4	YGFX0462104	Cassette Holder(L)	
5	YGF0A011830	Head Chassis Ass'y	
6	YGFX234194	Cam	
7	YGFX0052427	Back Tension Spring	
8	YGFX209271	Reel (R) Ass'y	
9	YGFX0052471	Holding Spring	
10	YGJW04131	Washer	
11	YGFX0052475	Rack Plate Spring	
12	YGFX0031035	Rack Plate	
13	YGF0A011827	Main Chassis Ass'y	
14	YGFX0052444	EQ Lever Spring	
15	YGFW062546	Shaft	
16	YGP0PT8790A1	Dolby P.C.B. Ass'y	
17	YGP9FZ2973	Head Ass'y	
18	YGFX0462105	Lever	
19	YGFX0052478	Vibration-proof Spring	
20	YGFX0052477	Spring	
21	YGFX239470	Cassette Guid Plate	
22	YGFX0462097	PRO Change Plate	
23	YGFX0031031	Idler Gear Plate (F) Ass'y	
24	YGP0FX3845	Main Motor Ass'y	
25	YGFX0052474	Rack Return Spring	
26	YGFX218305	Pinch Roller (F) Ass'y	
28	YGFX0031033	Idler Gear Plate (R) Ass'y	
29	YGFX0462102	Rack Return Link	
30	YGFW062600	Rack Return Link Shaft	
31	YGFX218306	Pinch Roller (R) Ass'y	
32	YGFX213213	Flywheel Ass'y	
33	YGFX0031001	Drive Gear (2)	
34	YEFX003753B	Play Idler Gear	
35	YGFX014075	Lock Ling	
36	YGFX003970	Gear	
37	YGJT03250	Gear Shaft	
38	YGFX0052446	Idler Gear Plate Spring	
39	YGFX0031030	Worm Gear	
40	YGP0FX3846	Loading Motor Ass'y	
41	YGFX030102	Worm Gear Stopper	
42	YGFX0031026	Drive Gear (3)	
43	YGF0A011851	Drive Chassis Ass'y	
44	YGP0PT8791A0	Reel P.C.B. Ass'y	
46	YGFX209270	Reel (F) Ass'y	
47	YGFX0052473	Pinch Roller Spring	
50	YGFX003971	PRO Change Gear	
52	YEFR03083	Belt	
54	YGFX0031029	Drive Gear	
61	YEJE01004	E-Ring	
62	YEJE01036	E-Ring	
64	XYN2+C8FX	Screw, 2 x 8mm	
65	YEJT03167	Screw	
66	YEJS06097A	Screw, 2 x 2.5mm	
67	YEJT03271	Screw	

14 EXPLODED VIEW (Tape Deck)



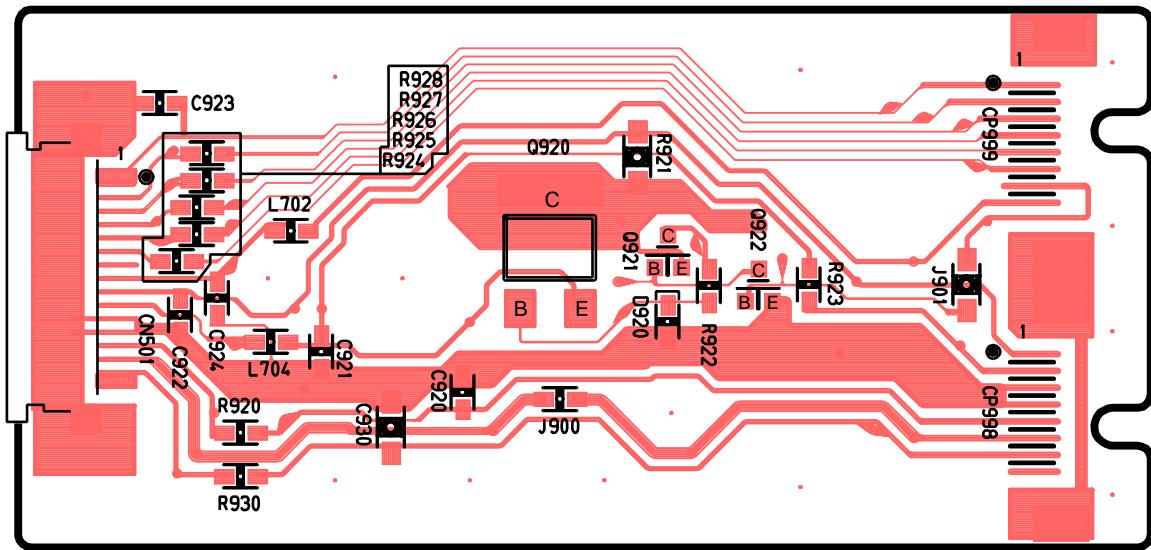
A

B

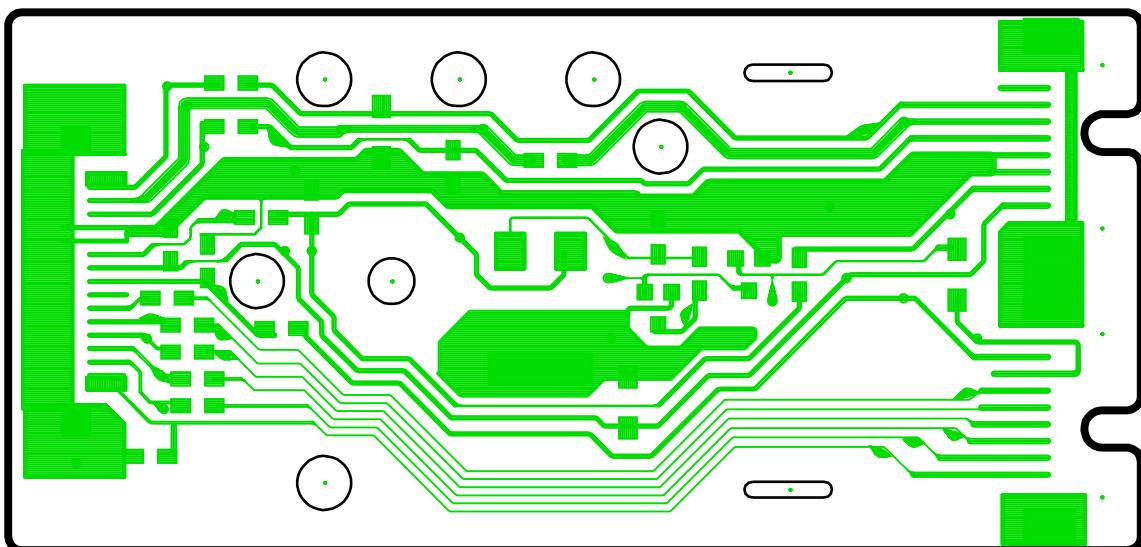
FD04728
2002.02.14

15 WIRING DIAGRAM

15.1. CDCH Connection Block

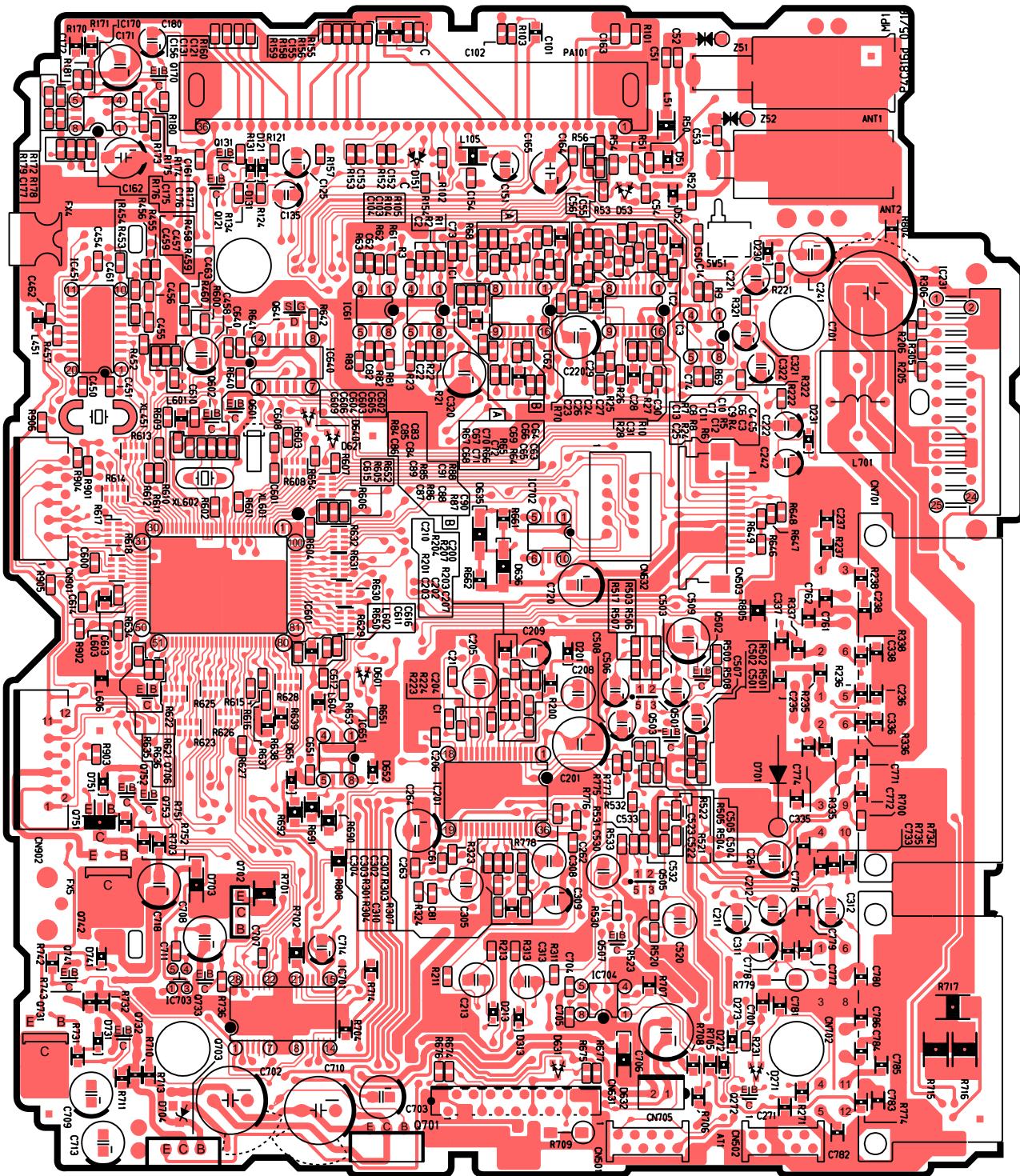


[YEAP4C818ZA] [Top View]



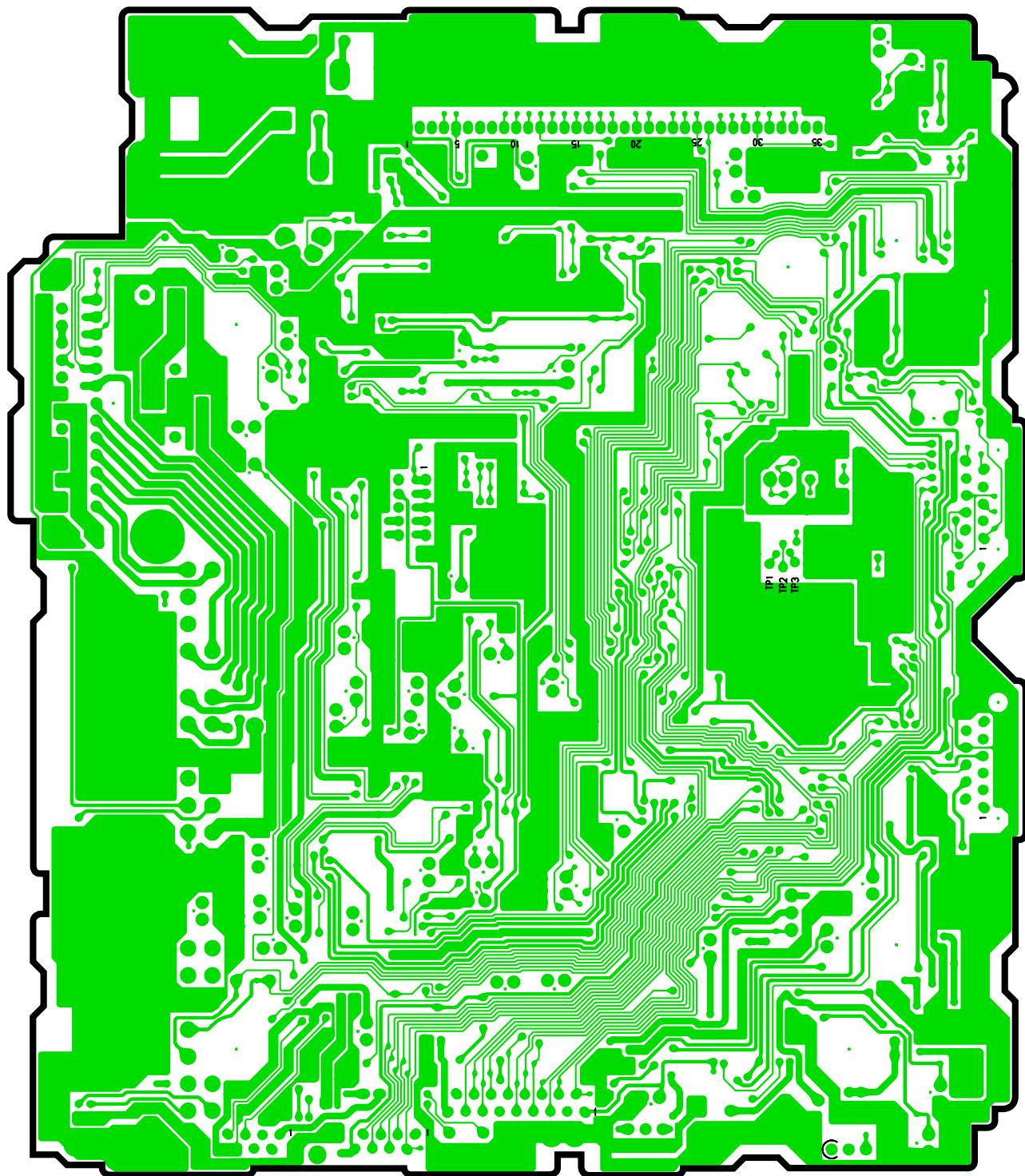
[YEAP4C818ZA] [Bottom View]

15.2. Main Block (Top View)



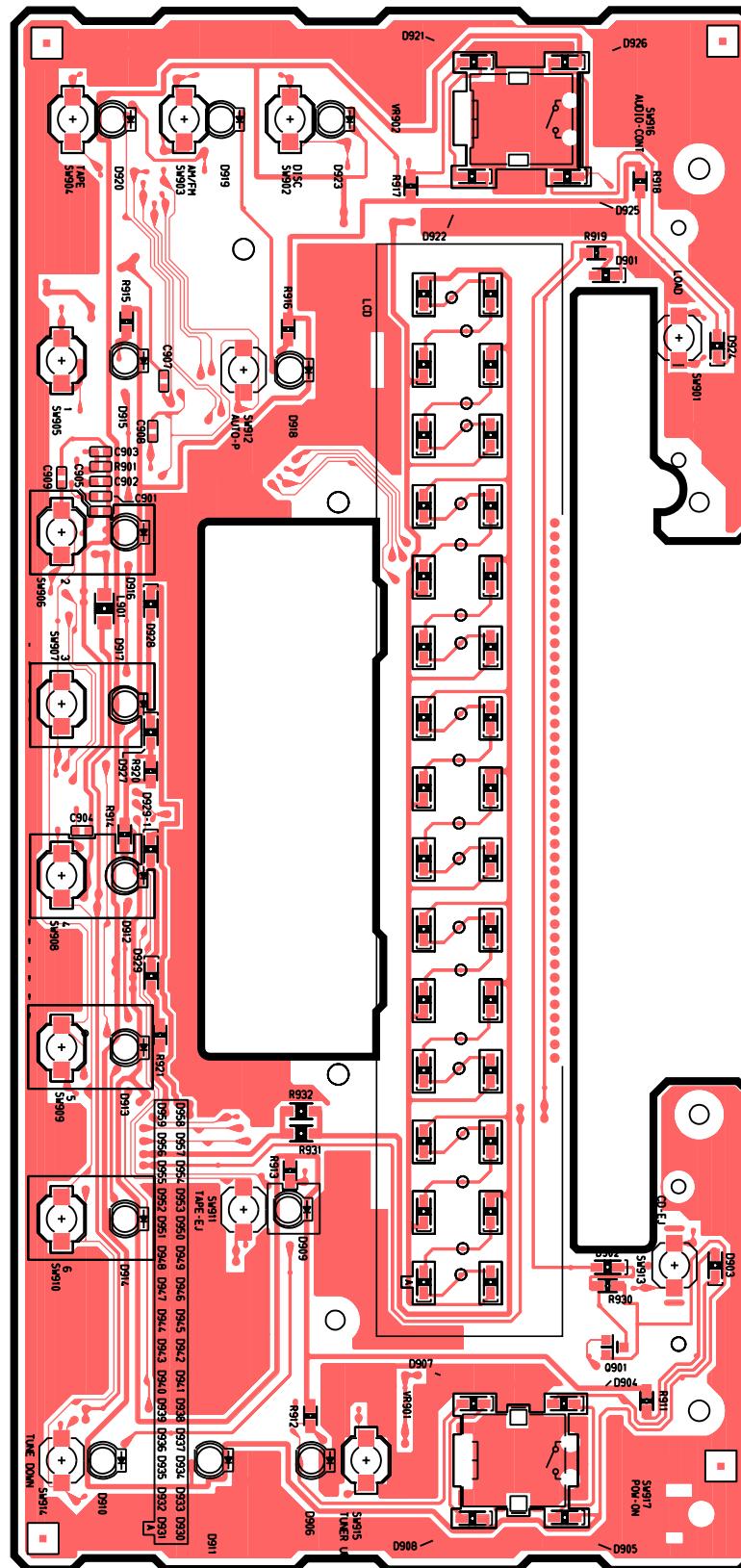
[YEAP4C816ZB] [Top View]

15.3. Main Block (Bottom View)



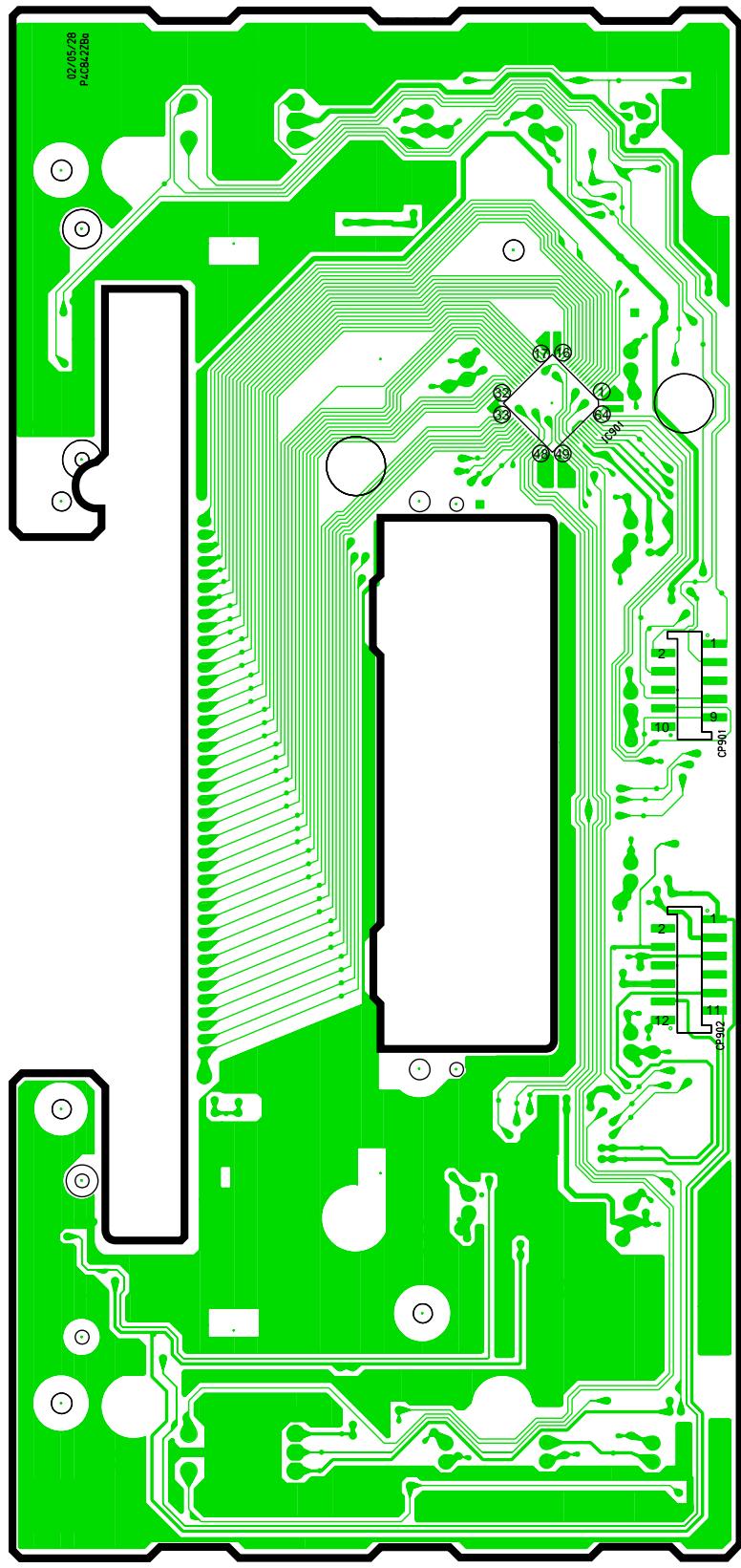
[YEAP4C816ZB] [Bottom View]

15.4. Display Block (Top View)



[YEAP4C842ZB] [Top View]

15.5. Display Block (Bottom View)

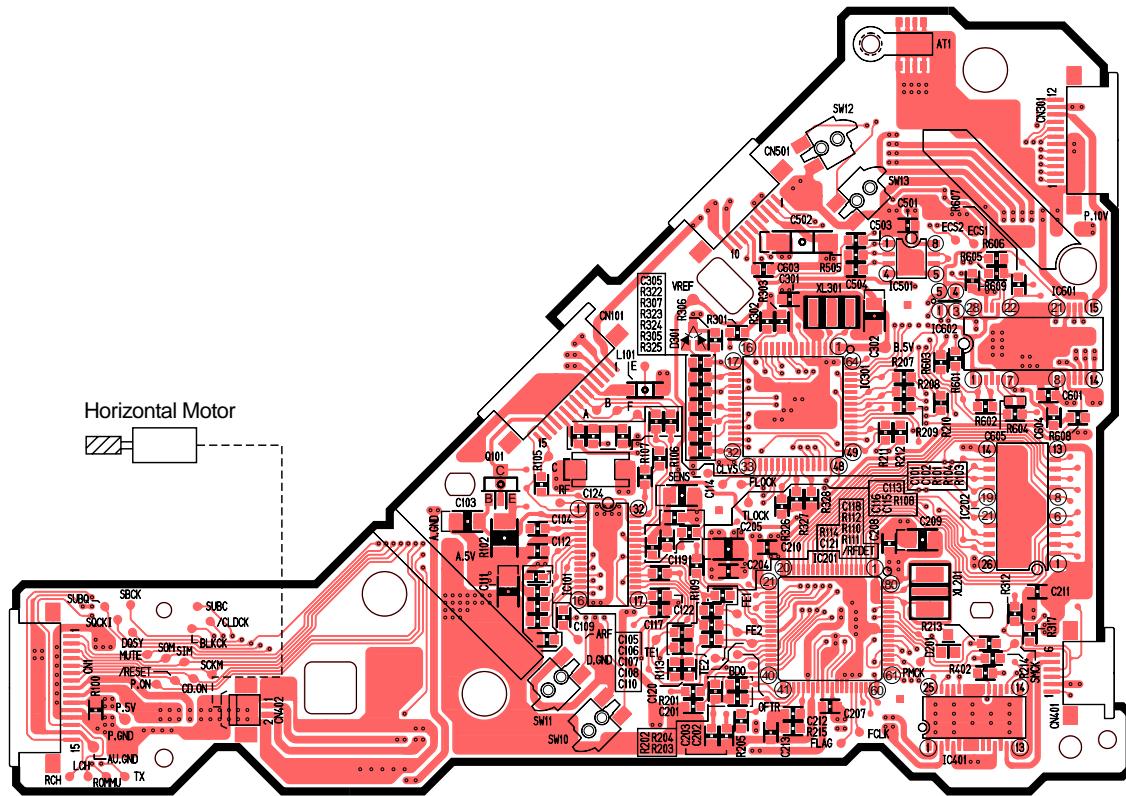


[YEAP4C842ZB] [Bottom View]

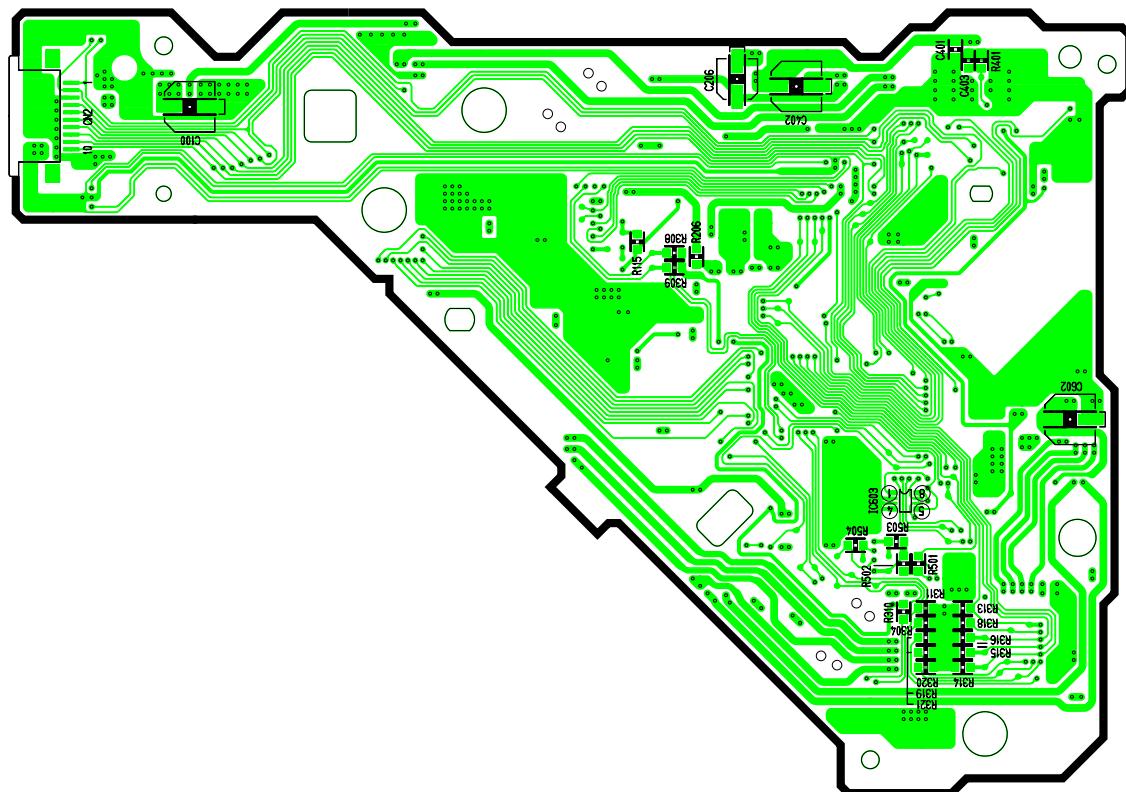
CQ-JS8280AAT DISPLAY P.C.B.

15.6. CD Servo Block

[E-8586C] [Top View]

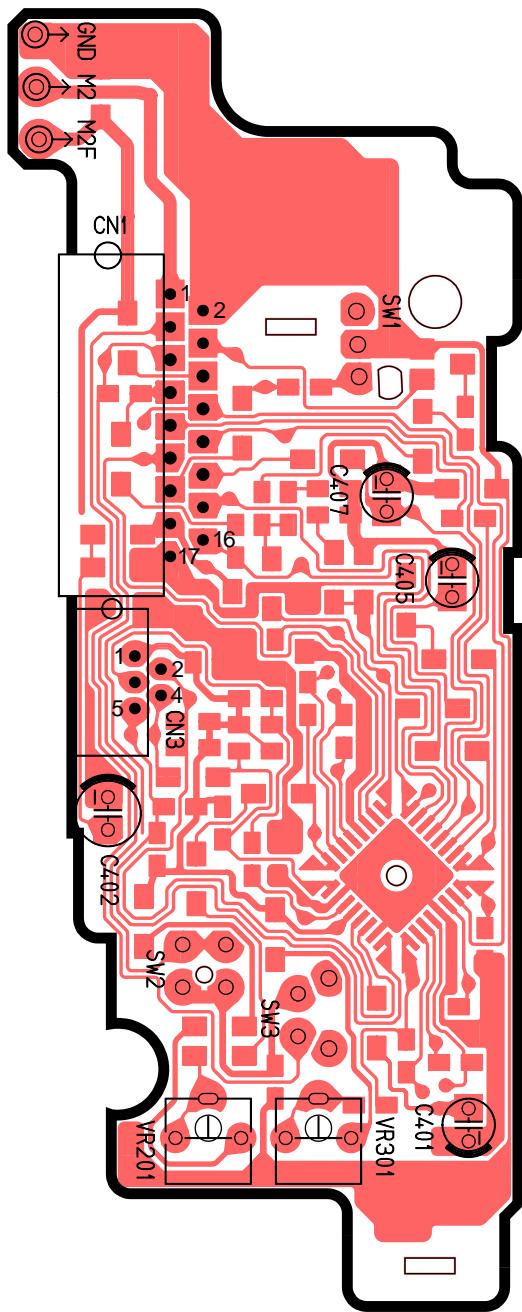


[E-8586C] [Bottom View]

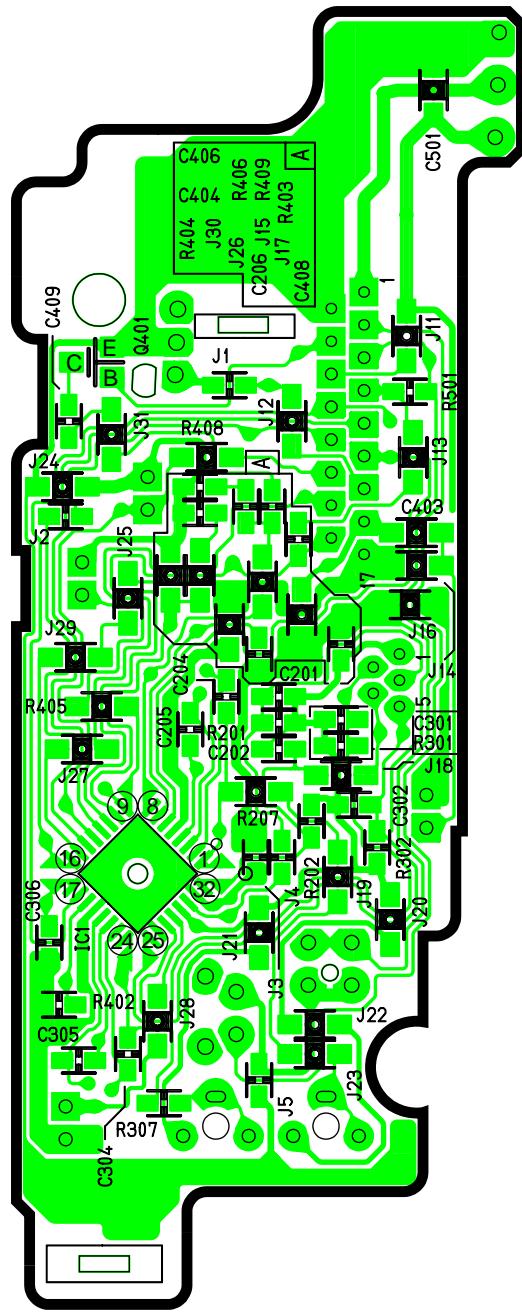


CQ-JS8280AAT CD Servo P.C.B.

15.7. Tape Block (Dolby P.C.B.)

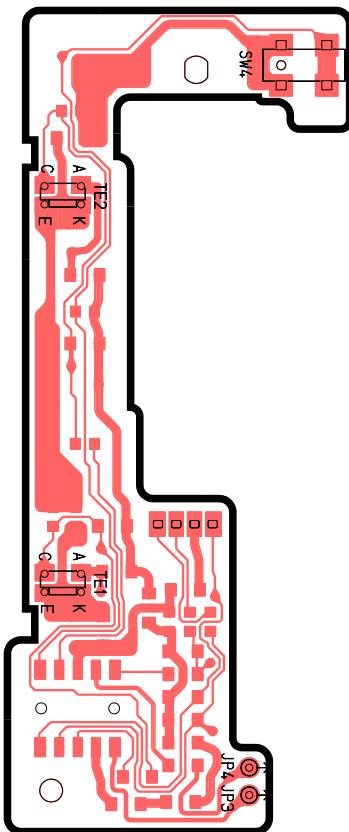


[E-8790A]
[Top View]

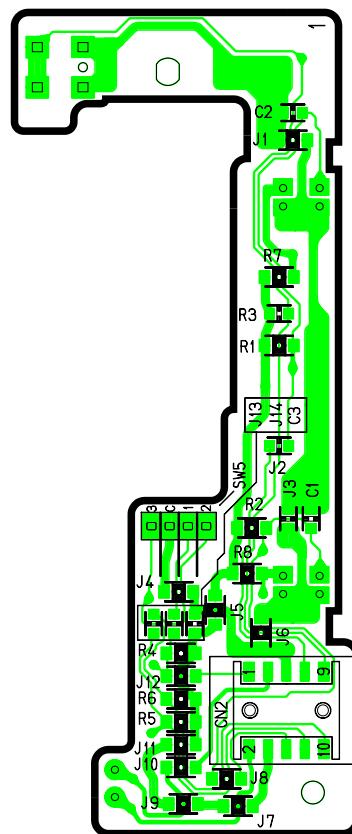


[E-8790A]
[Bottom View]

15.8. Tape Block (Reel P.C.B.)



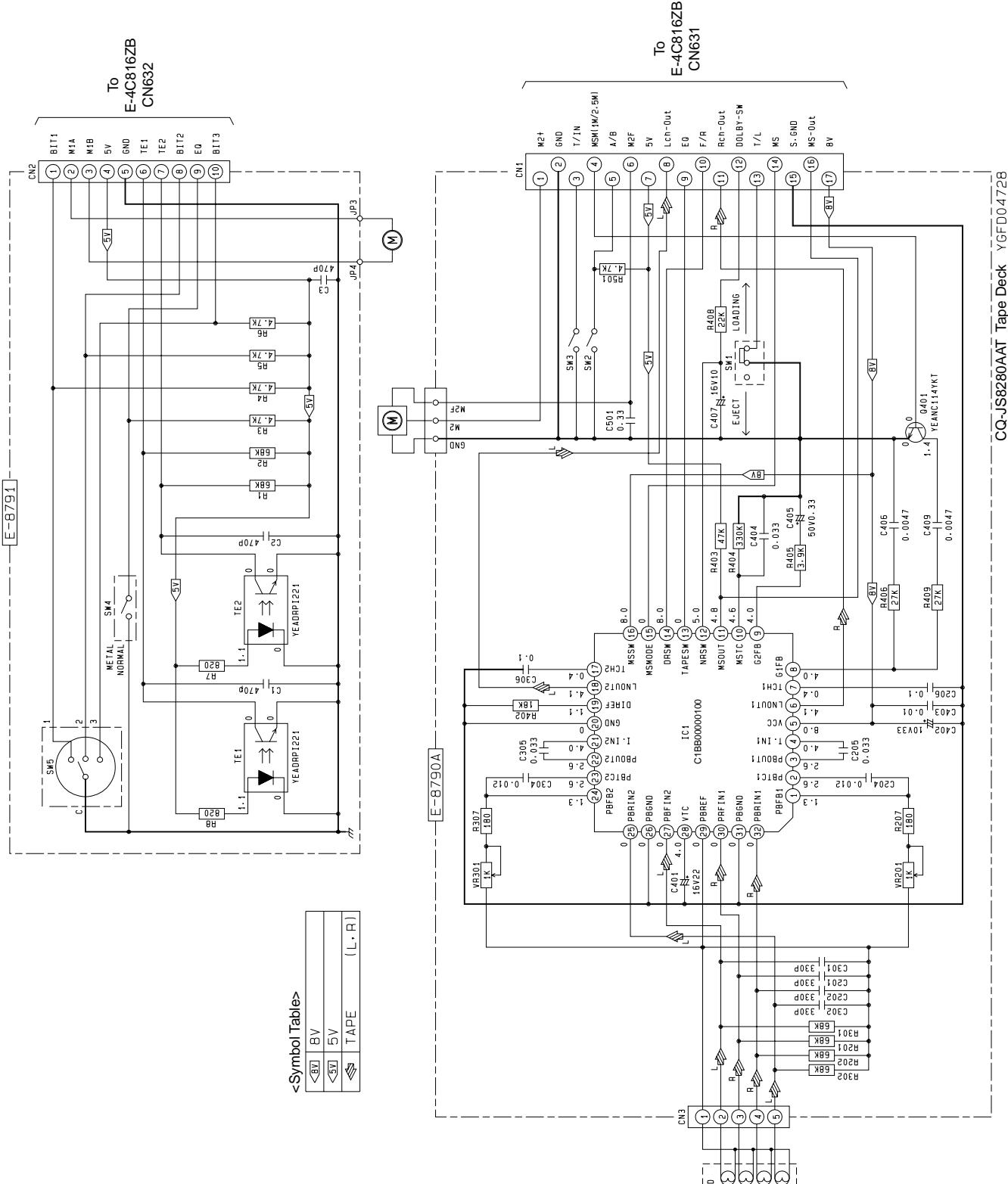
[E-8791][Top View]



[E-8791][Bottom View]

16 SCHEMATIC DIAGRAM (1)

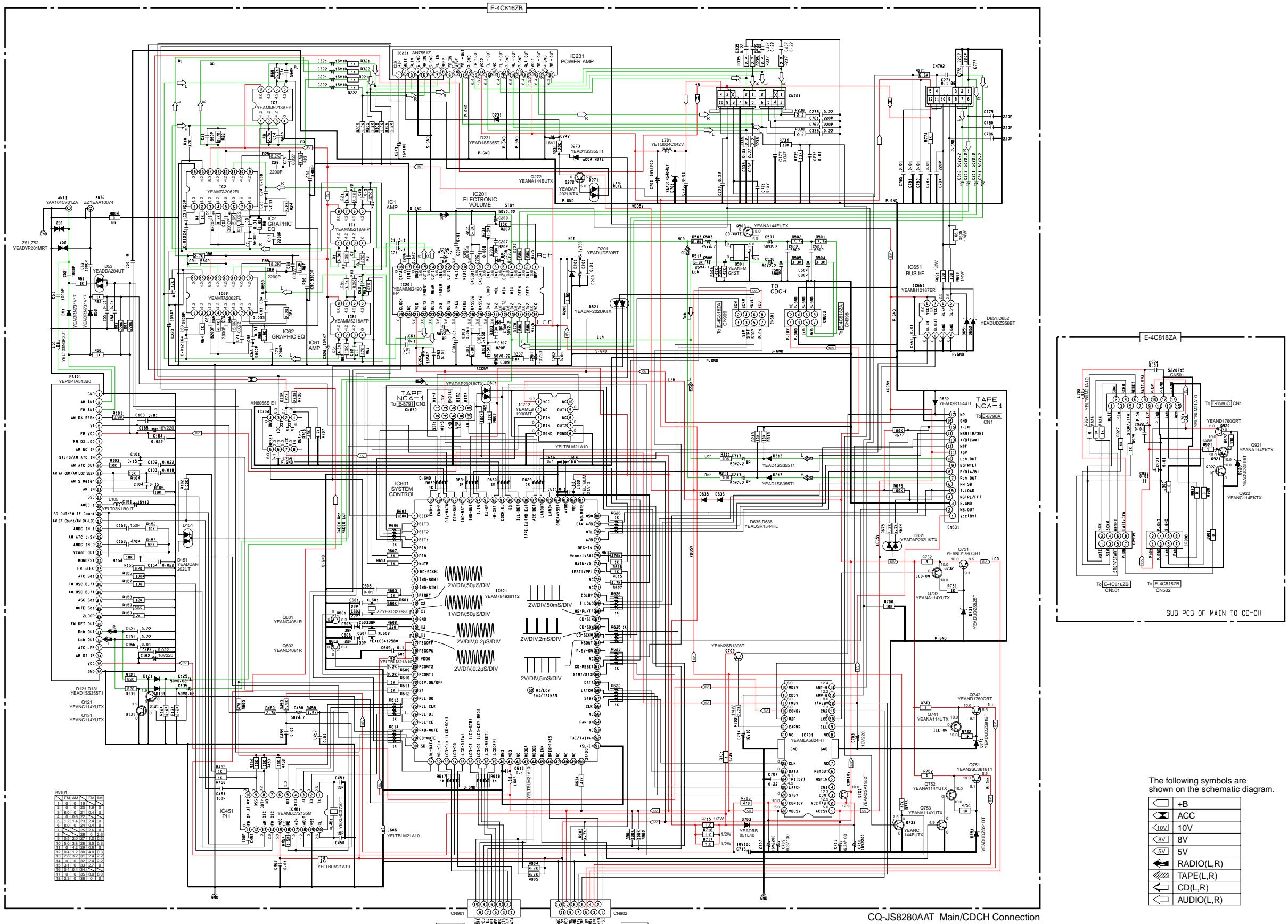
16.1. Tape Block



**THIS PAGE IS JUST FOR
THE PAGE LAYOUT USE
ONLY.**

17 SCHEMATIC DIAGRAM (2)

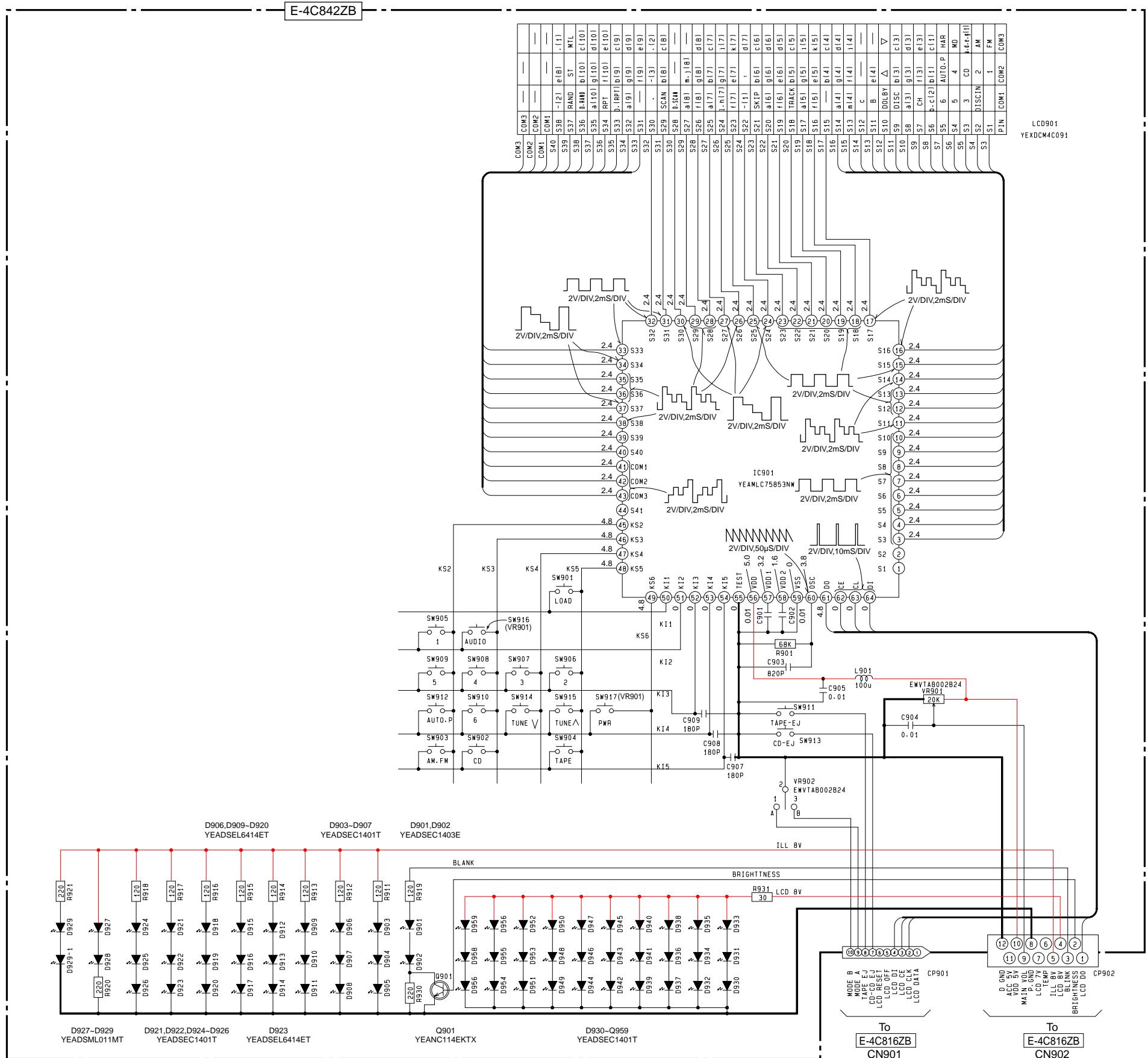
17.1. Main Block



The following symbols are shown on the schematic diagram

	+B
	ACC
	10V
	8V
	5V
	RADIO(L,R)
	TAPE(L,R)
	CD(L,R)
	AUDIO(L,R)

17.2. Display Block



17.3. CD Changer Block

