

TOYOTA

AUDIO COMPONENT SERVICE MANUAL



CQ-MS6270K

※ Color of Escutcheon Ass'y and Knob

Black : CQ-MS6270K

Silver : CQ-MS6271K

CQ-MS6270K CQ-MS6271K

AM/FM/RDS MPX ELECTRONIC
TUNING Radio with Stereo Cassette
Tape Player and CD Player

TOYOTA PART No. : 86120-05070 [CQ-MS6270K]

TOYOTA PART No. : 86120-05080 [CQ-MS6271K]

ID CODE : W53900 [CQ-MS6270K]

ID CODE : W53901 [CQ-MS6271K]

VEHICLE : AVENSIS

DESTINATION : Europe

PRODUCED AFTER : Nov., 2002

Specifications*

General

Power Supply	DC 12V (11V - 16V), Test Voltage 13.2V Negative Ground
Current Consumption	Less than 3A
Power Output	17.5W×4 (1kHz, 1%, 4Ω)
LW/MW Radio	
Frequency Range	153 - 279kHz (LW) 522 - 1,611kHz (MW)
Usable Sensitivity	40dB(μV) (S/N 20dB) (LW) 34dB(μV) (S/N 20dB) (MW)
Signal Noise Ratio	More than 42dB
FM Stereo Radio	
Frequency Range	87.5 - 108MHz
Usable Sensitivity	14dB(μV) (S/N 30dB)
Signal Noise Ratio	More than 46dB
RDS Radio	
RDS Sensitivity	22dB(μV) (S/N 30dB)

CD Player

Channel Separation	60dB (IHF-A)
Signal Noise Ratio	More than 65dB (IHF-A)
Cassette Tape Player	
Wow and Flutter	Less than 0.2% (WRMS)
Signal Noise Ratio	More than 40dB
Dimensions**	178×100×161.3mm (W×H×D)
Weight**	2.4kg

* 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. 80653

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1 FEATUERS

- PLL (Phase Locked Loop) synthesized tuning.
- 24-station preset (6-AM, 18-FM).
- RDS radio.
- NCD-8 CD player.
- CD-R/CD-RW correspondance.
- NCA-1 KAI Cassette tape player.
- External CD changer control function.
- External MD changer control function.
- The difference between CQ-MS6270K and CQ-MS6271K is a color of Escutcheon Ass'y and the colors of the Knob.

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.

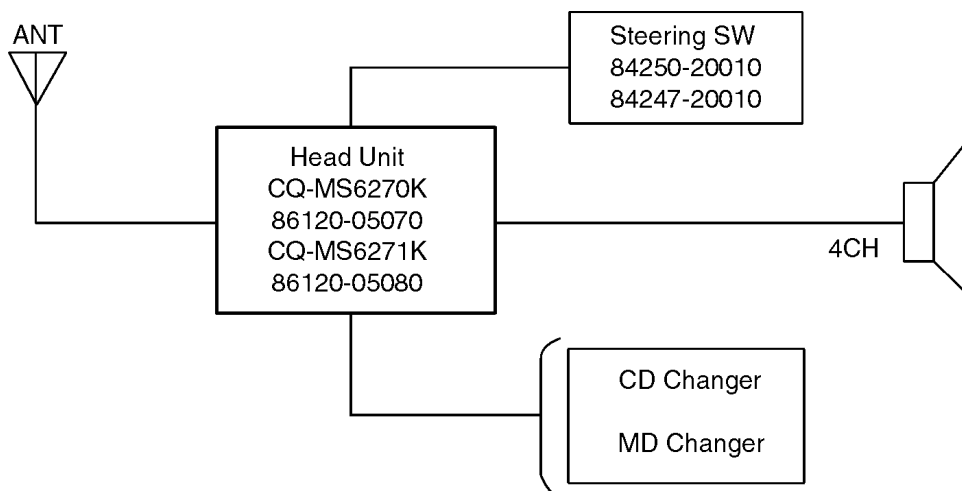
Laser products :

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

Caution

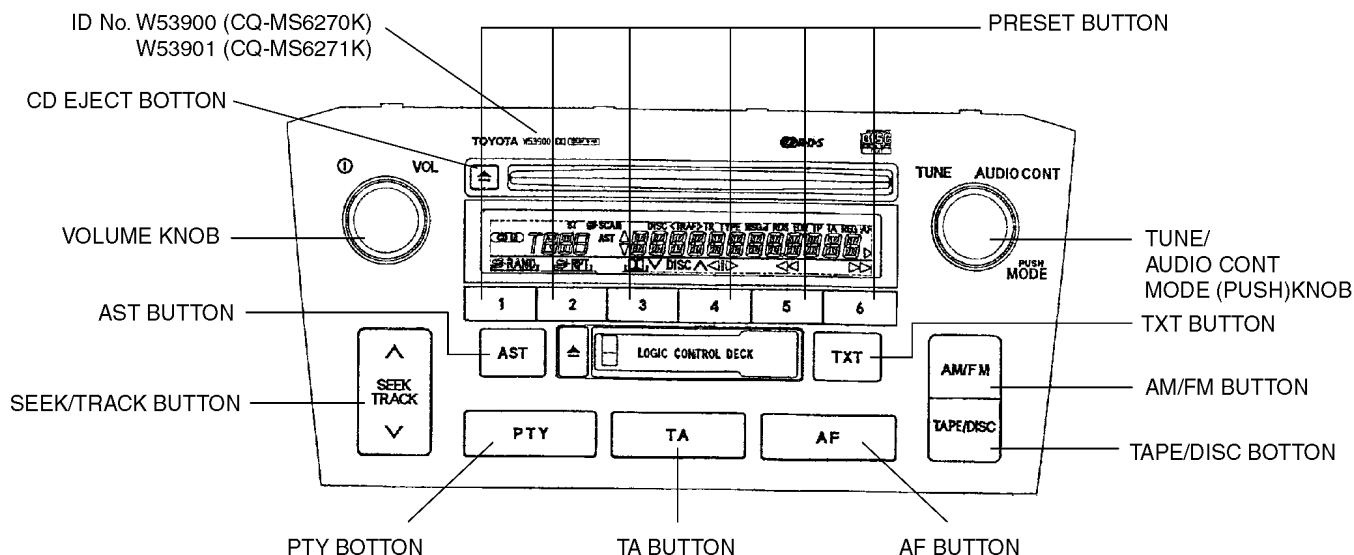
This product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

3 SYSTEM BLOCK DIAGRAM

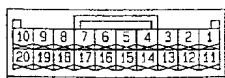
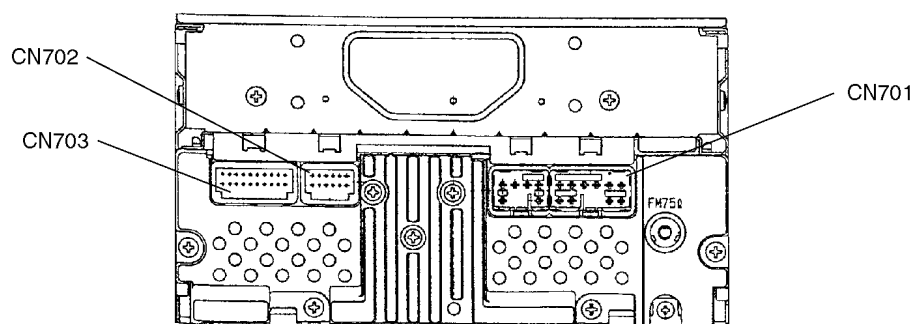


4 NAME FUNCTION OF EACH PARTS

■Front View

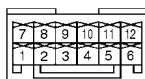


■Rear View



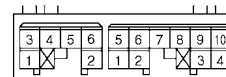
CN703 20P CONNECTOR

1. NC
2. NC
3. NC
4. NC
5. NC
6. Steering wheel SW Ground (GND)
7. Steering wheel SW1 (SW1)
8. Steering wheel SW2 (SW2)
9. AVC-LAN Bus1⁺ (TX1⁺)
10. AVC-LAN Bus1⁻ (TX1⁻)
11. NC
12. NC
13. NC
14. Shield Ground (SLD)
15. NC
16. NC
17. NC
18. NC
19. NC
20. NC



CN702 12P CONNECTOR

1. Shield Ground (SLD)
2. Audio Input, Right⁺ (R⁺)
3. Audio Input, Right⁻ (R⁻)
4. Audio Input, Left⁺ (L⁺)
5. Audio Input, Left⁻ (L⁻)
6. Mute (MUTE)
7. Ground (GND)
8. NC
9. Communication⁺ (TX⁺)
10. Communication⁻ (TX⁻)
11. Power Supply, ACC (ACC)
12. Power Supply, +B (B)



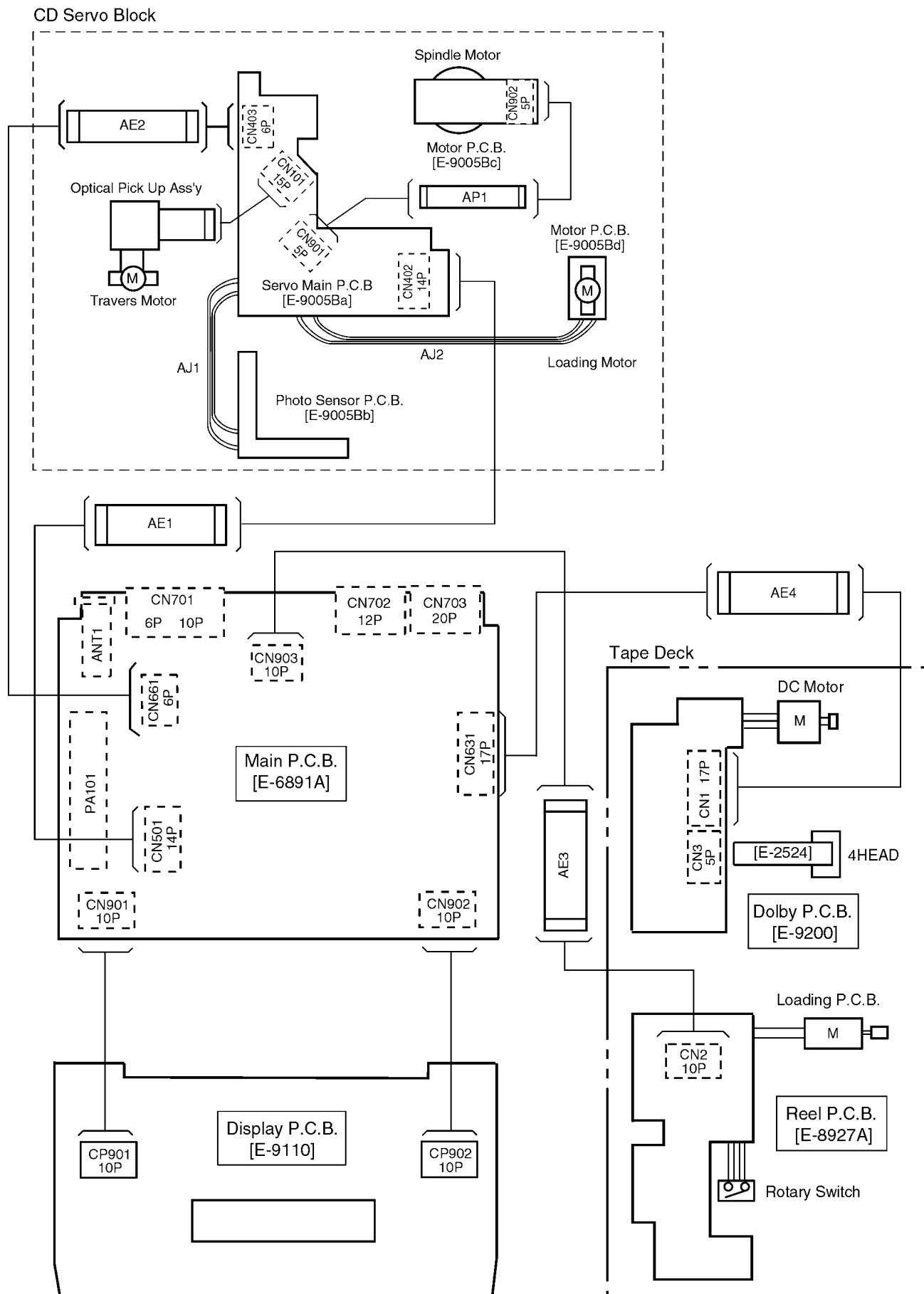
CN701 10P CONNECTOR

1. Front Signal, Right⁺ (FR⁺)
2. Front Signal, Left⁺ (FL⁺)
3. Power Supply, ACC (ACC)
4. Power Supply, +B (B)
5. Front Signal, Right⁻ (FR⁻)
6. Front Signal, Left⁻ (FL⁻)
7. Ground (GND)
8. Power Supply, ANT Amp (ANT⁺)
9. Power Supply, EXT Amp (AMP⁺)
10. Power Supply, Illumi. (ILL⁺)

CN701 6P CONNECTOR

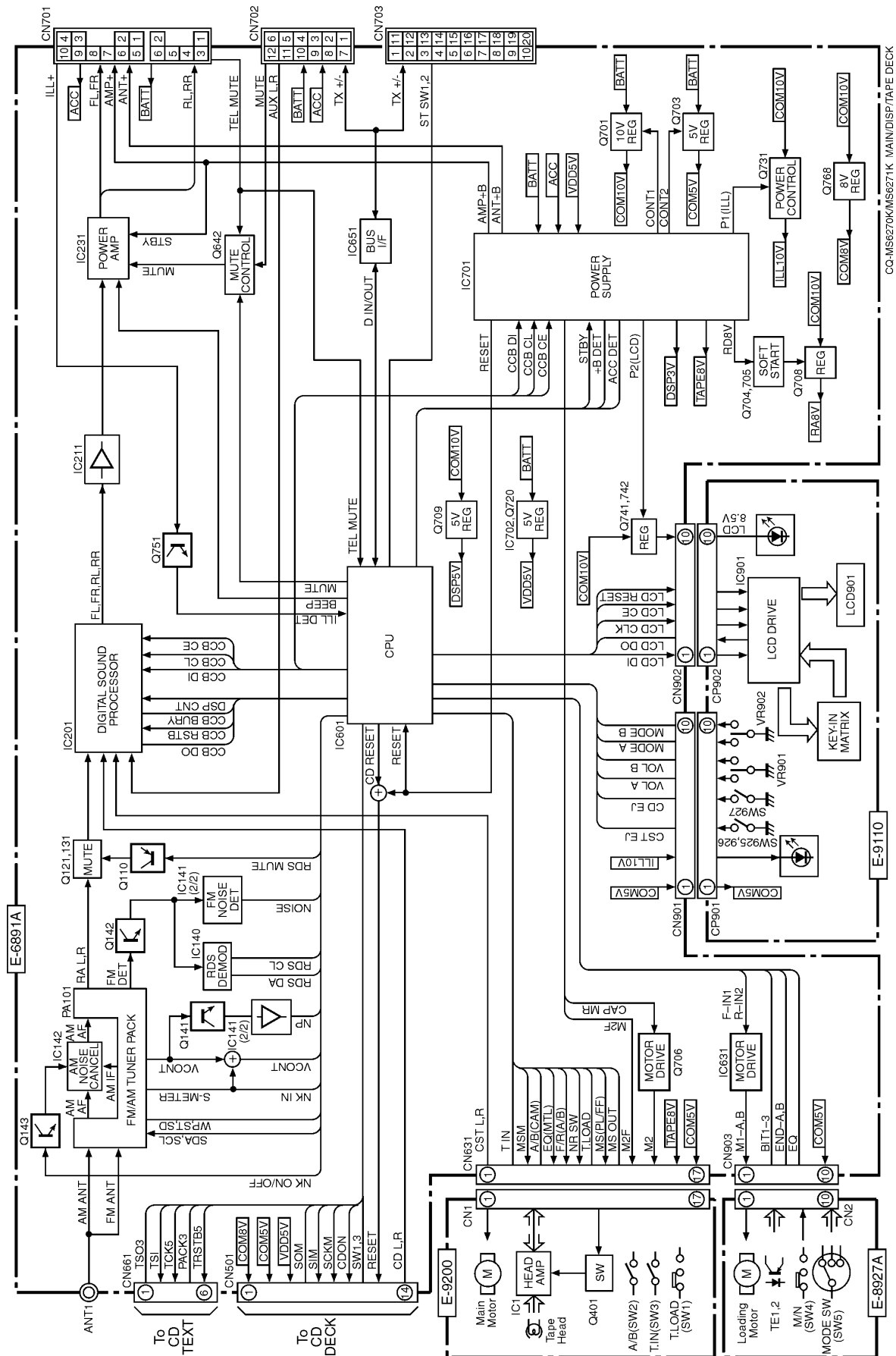
1. Rear Signal, Right⁺ (RR⁺)
2. Rear Signal, Left⁺ (RL⁺)
3. Rear Signal, Right⁻ (RR⁻)
4. NC
5. NC
6. Rear Signal, Left⁻ (RL⁻)

5 WIRING CONNECTION

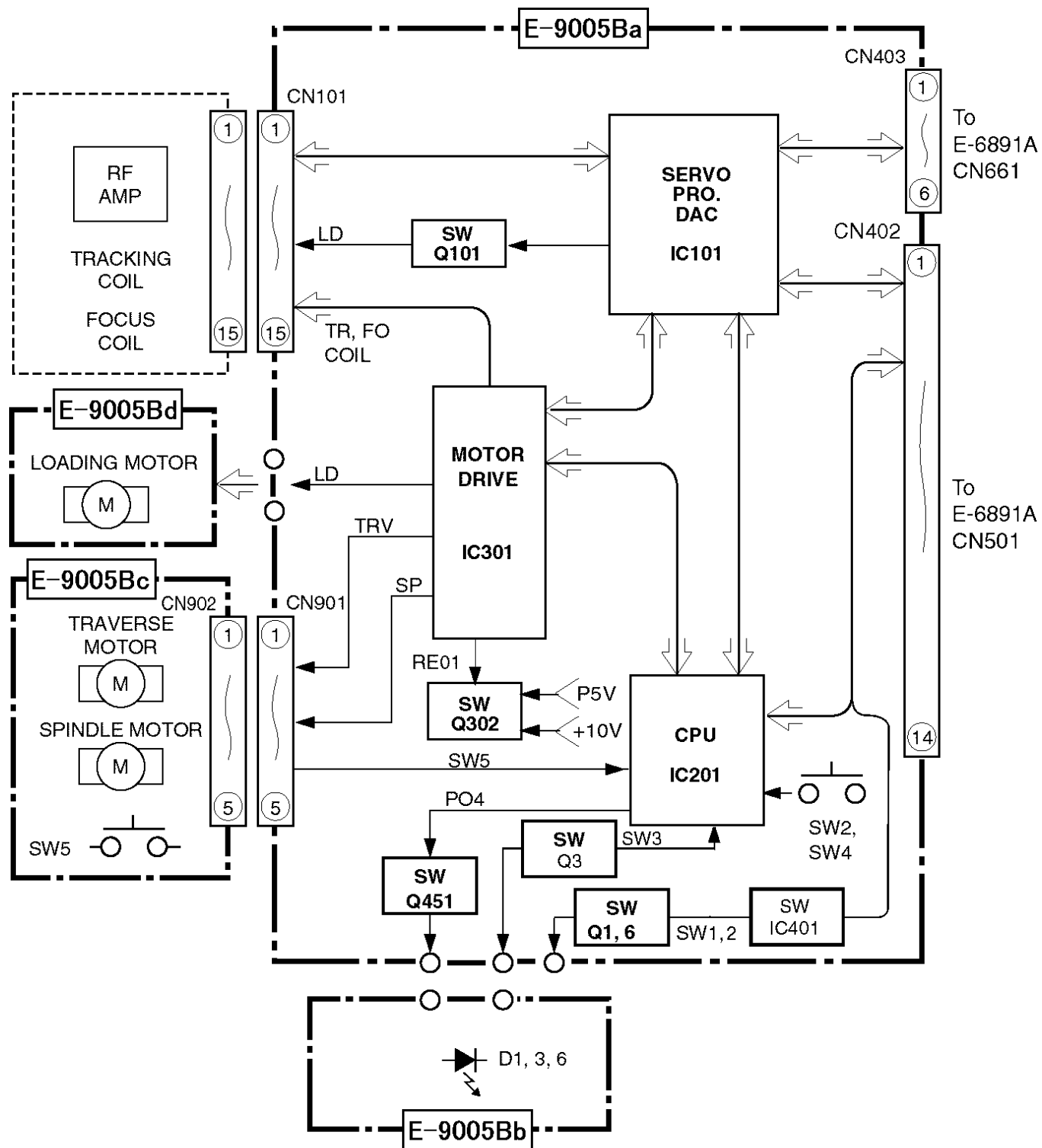


6 BLOCK DIAGRAM

6.1. Main / Display Block



6.2. CD Servo Block



NCD8 KAI

7 ALIGNMENT INSTRUCTIONS

7.1. Alignment Conditions

- Power Supply Voltage : DC13.2V
- Output Impedance : 4Ω
- Output Power : 0.5W
- Balance, Fader Control : Center
- Bass, Treble Control : Center
- Dolby NR: OFF

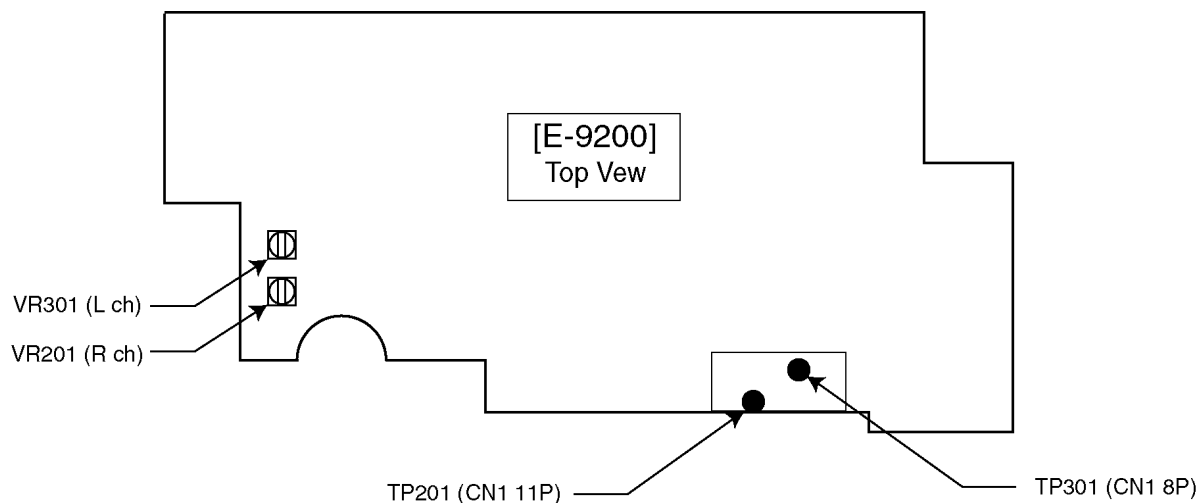
Note :

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

7.2. Dolby NR Alignment

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

7.3. Alignment Points



8 TERMINALS DESCRIPTION

8.1. Main Block

IC601 : C2CBKH000053

Pin No.	Port	Descriptions	I/O	Vol (V)
1	BEEP	Beep output	O	0
2	BIT3	Tape mode switch	I	0
3	BIT2	Tape mode switch	I	0
4	BIT1	Tape mode switch	I	0
5	SW1/PGND	-	-	0
6	CD-ON	CD.C controller enable	O	4.9
7	CD-RESET	CD.C reset	O	4.9
8	CD-SCKM	CD.C shift clock	O	4.9
9	CD-SOM	CD serial data input	I	0
10	CD-SIM	CD serial data output	O	1.3
11	RESET	Reset	I	4.9
12	NC	No connection	-	3.5
13	GND	Ground	-	0
14	GND	Ground	-	0
15	X2	Crystal oscillator terminal	O	1.8
16	X1	Crystal oscillator terminal	I	1.4
17	REGOFF	Ground	-	0
18	REGCPU	Capacitor terminal	-	3.5
19	VDD0	+5V power supply	-	5.0
20	NC	-	-	-
21	NC	-	-	-
22	NC	-	-	-
23	TEL-MUTE	-	-	2.4
24	NC	-	-	-
25	NC	-	-	-
26	A-INH	Audio enable	O	0
27	A-CONT1	Audio source control	O	5.0
28	A-CONT2	Audio source control	O	5.0
29	PW-CE	Power supply chip enable	O	0
30	PW-CL	Power supply serial clock	O	5.0
31	DSP-D0	-	-	0.3
32	DSP-DI	Power supply serial data input	O	0
33	PW-STBY	Power supply stand-by	O	5.0
34	LCD-SCK	LCD serial clock	O	0
35	LCD-DATA	LCD serial data	I/O	4.9
36	LCD-STB	LCD strobe	O	0
37	LCD-KEY.REQ	LCD key request	O	0
38	LCD-OFF	LCD-off signal	O	5.0
39	LCD-RESET	LCD reset	O	5.0
40	GND	Ground	-	0
41	VDD	+5V power supply	-	5.0
42	CD-EJ	CD eject switch	I	4.9
43	CST-EJ	Cassette tape eject switch	I	4.9
44	MODE-A	Mode encoder data	I	4.9
45	MODE-B	Mode encoder data	I	4.9
46	VOL-A	Volume encoder data	I	0
47	VOL-B	Volume encoder data	I	0
48	DSP/SEL	(+5V pull-up)	I	4.9
49	NC	Ground	-	0
50	CD/IDC	CD/IDC selection	I	4.9
51	RDS-MUTE	-	O	5.0
52	MUTE	Audio mute	O	0
53	SD	SD signal	I	1.2
54	PLL-SCL	PLL serial clock	O	0
55	PLL-SDA	PLL serial data	I/O	4.9
56	ST	FM stereo detection	I	0
57	MS OUT	Tape music sensor detection	I	4.9
58	RSE-MUTE	Rear source mute	O	5.0
59	R-IN2	Tape motor drive rear	O	0
60	F-IN1	Tape motor drive front	O	0
61	MS-PL/FF	MS mode selection	O	0
62	DOLBY	Dolby NR	O	0
63	EQ	Metal tape mode detection	I	0
64	TSTB	CD text TSTB No	O	0
65	TCK	CD text serial clock	O	0
66	TS0	CD text serial data input	I	4.9
67	TSI	CD text serial data output	O	0

Pin No.	Port	Descriptions	I/O	Vol (V)
68	WP	Write Protect for EEPROM	O	4.8
69	T-LOAD	Tape loading detection	I	4.8
70	F/R	Tape head change	O	0
71	NC	-	-	-
72	NC	-	-	-
73	TEST	(Ground pull-down)	-	0
74	REO-IN	Illumination detection	I	0
75	VCONT (VSM)	Field intensity detection	I	0.6
76	AMNC-IN	Temperature sensor	I	0
77	NOISE	FM noise detection	I	0
78	ST-SW1	Steering SW 1	I	4.9
79	ST-SW2	Steering SW 2	I	4.8
80	MTL	Metal tape mode selection	O	0
81	MSM	Music sensor gain control	O	0
82	VDD	+5V power supply	-	5.0
83	AVDD	+5V power supply	-	4.9
84	GND (AVSS)	Ground	-	0
85	LANIN	LAN data input	I	0
86	LANOUT	LAN data output	O	0
87	GND	Ground	-	0
88	CAM A/B	Tape side detection	I	0
89	ILL-DET	Illumination detection	I	5.0
90	PACK	CD text clock	I	4.8
91	+B-DET	Battery detection	I	4.8
92	ACC-DET	ACC detection	I	0
93	EJ-OR	(+5V pull-up)	-	4.5
94	RDS-DA	RDS data	I	2.3
95	DIV-SUB	Diversity sub ant. selection	O	0
96	DIV-MAIN	Diversity main ant. selection	O	4.9
97	RDS-CL	RDS serial clock	O	2.4
98	T-IN	Tape-in detection	I	4.6
99	END-B	Tape end detection	I	0
100	END-A	Tape end detection	I	0

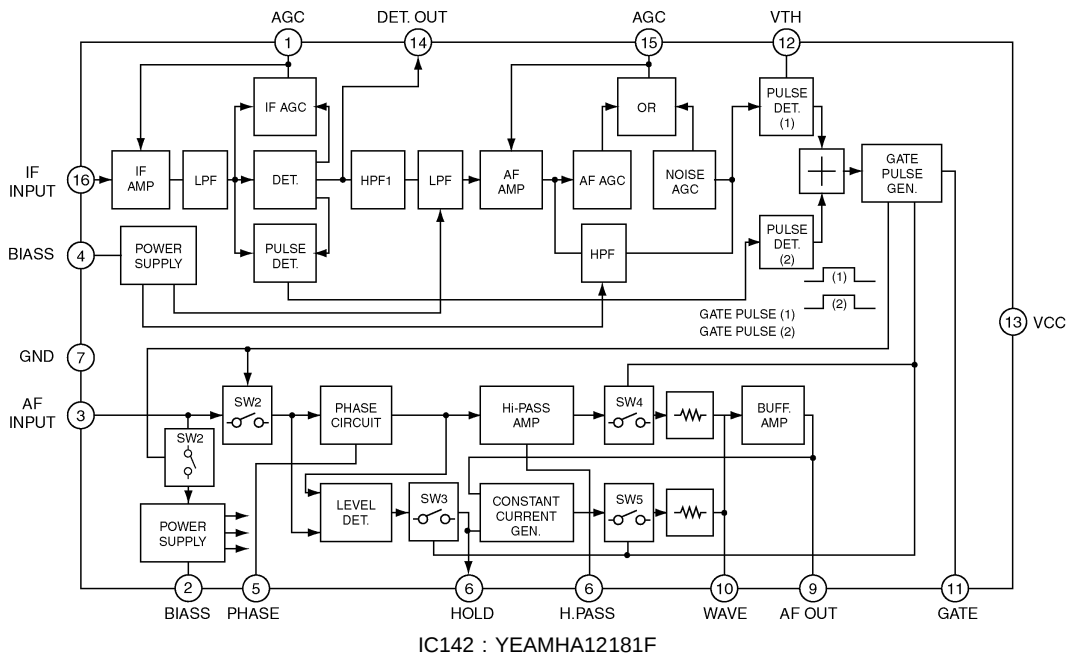
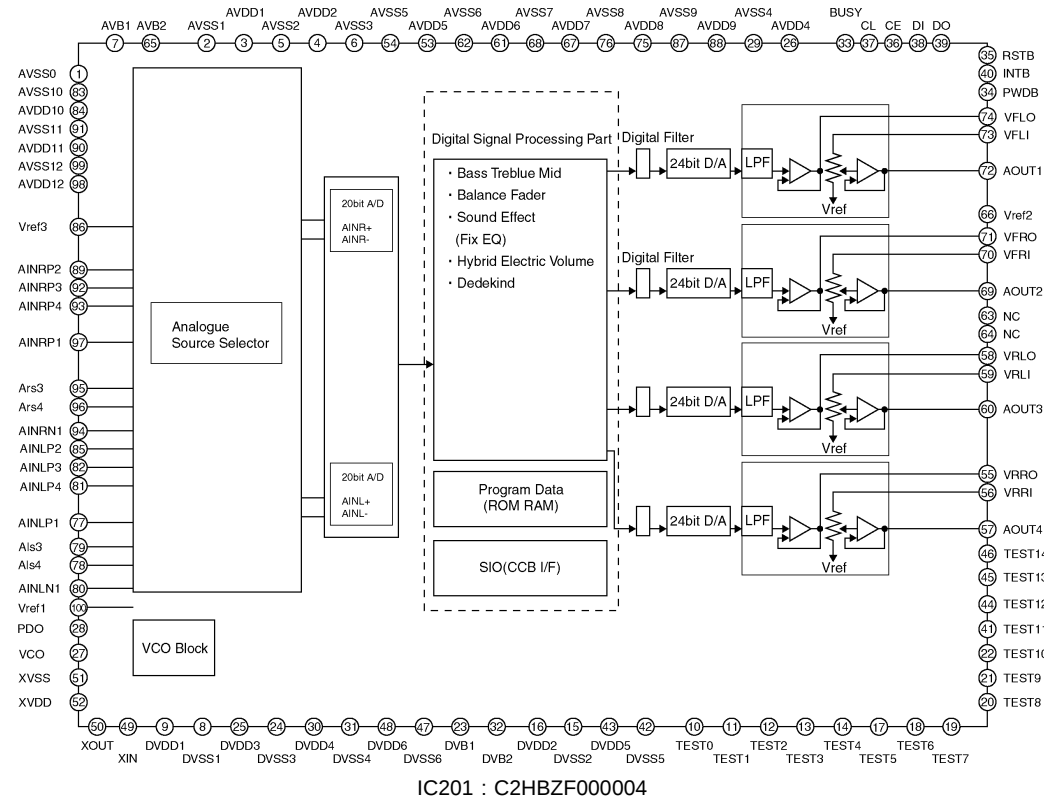
8.2. CD Servo Block

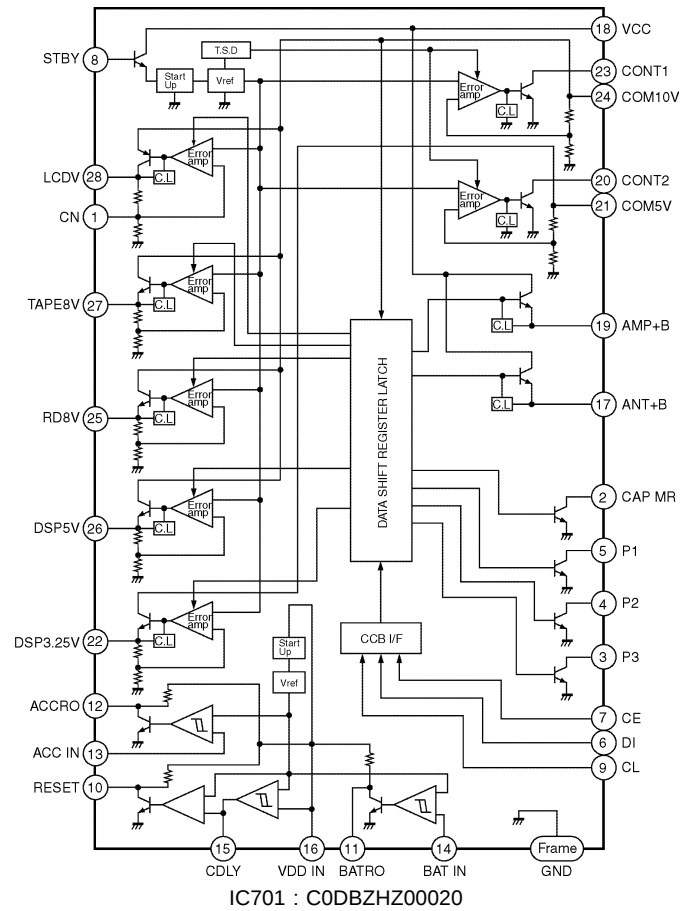
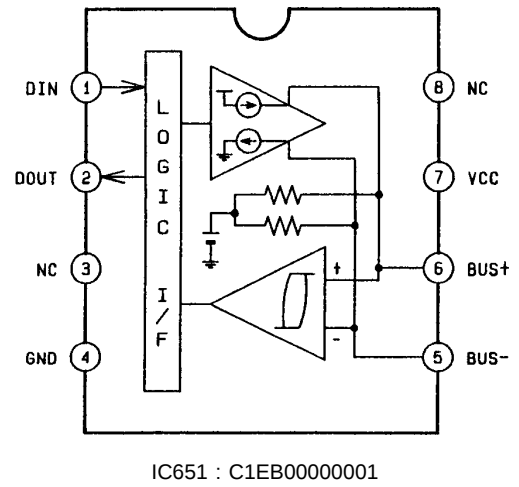
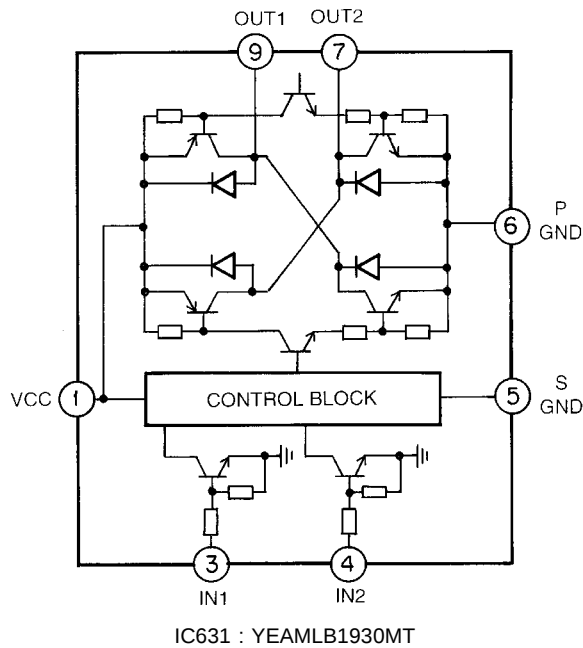
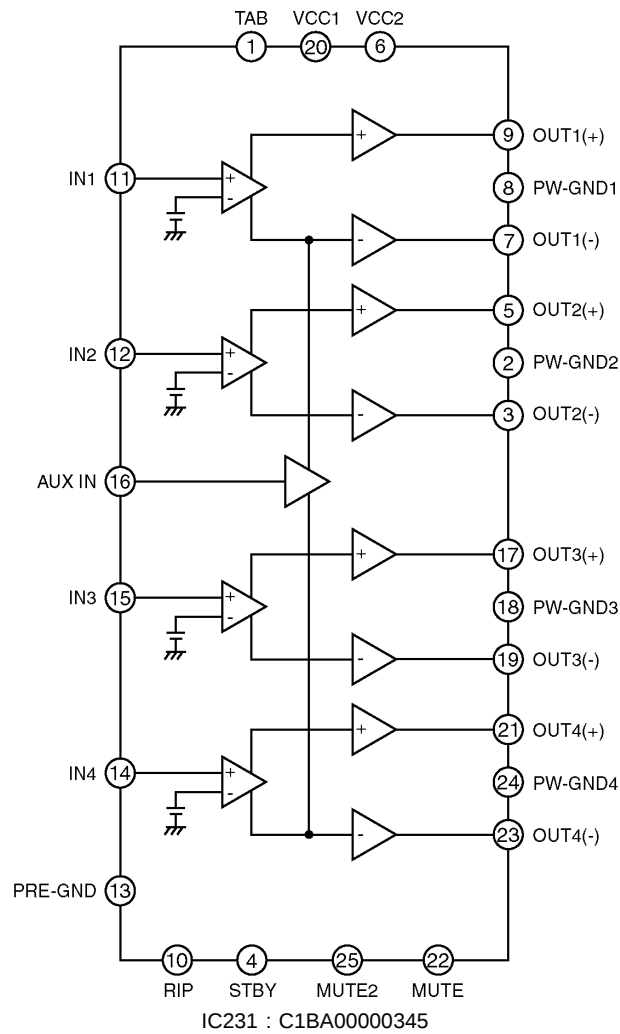
IC201 : C2BBFD000365

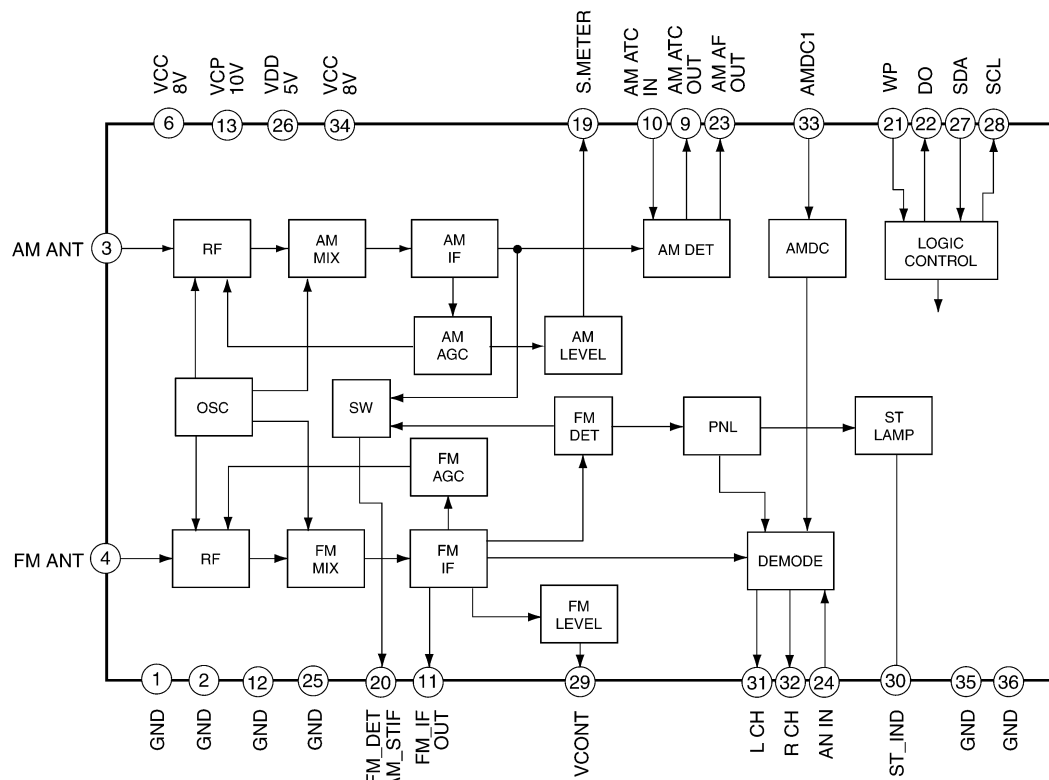
Pin No.	Port	Descriptions	I/O	Vol. (V)
1	A0	Address output	O	3.8
2	/RST	Servo processor reset	O	5.1
3	RFOK	Servo processor RFOK signal	I	4.9
4	/PS2	IC301 mute	O	5.1
5	/PC1	IC301 mute	O	0
6	TRV	Toraverse motor control	O	2.5
7	L0D	Loading motor control	O	2.5
8	PS2	Not used	-	-
9	PC1	Not used	-	-
10	PC	Not used	-	-
11	IFR	(Connecting to ground)	-	0
12	NC	No connection	-	-
13	VPP	(Connecting to ground)	-	0
14	X2	Crystal oscillator	-	3.3
15	X1	Crystal oscillator	-	2.9
16	VSS	Ground	-	0
17	VDD	+5V power supply	-	5.1
18	/RESET	Reset input	I	5.1
19	TP19	Not used	-	-
20	TP20	Not used	-	-
21	TP21	Not used	-	-
22	P50	Not used	-	-
23	CDON	CD power on	I	5.0
24	INTP1	(Connecting to ground)	-	0
25	INTP0	(Connecting to ground)	-	0
26	SIM0	Serial data	I	0
27	SOMI	Serial data	O	2.9
28	SCKM	Shift clock for serial data	I	5.0
29	Q1 SW1	Disc in sensor signal	I	4.6
30	Q3 SW3	Disc out sensor signal	I	4.6
31	Q6 SW6	(Option sensor)	I	4.7
32	SW4	Disc clamp	I	0
33	SW5	Inner SW	I	4.9
34	SW2	Feeder arm	I	5.1
35	TP35	Not used	-	-
36	MASHON	MASH mode on/off	O	0
37	TP37	Not used	-	-
38	VDD	+5V power supply	-	5.1
39	VSS	Ground	-	0
40	/XEN	Servo processor XEN signal	O	0
41	SI	Serial data	O	3.1
42	S0	Serial data	I	0.7
43	/SCK	Shift clock	O	3.6
44	/STB	Strobe	O	5.0

9 PACKAGE AND IC BLOCK DIAGRAM

9.1. Main Block

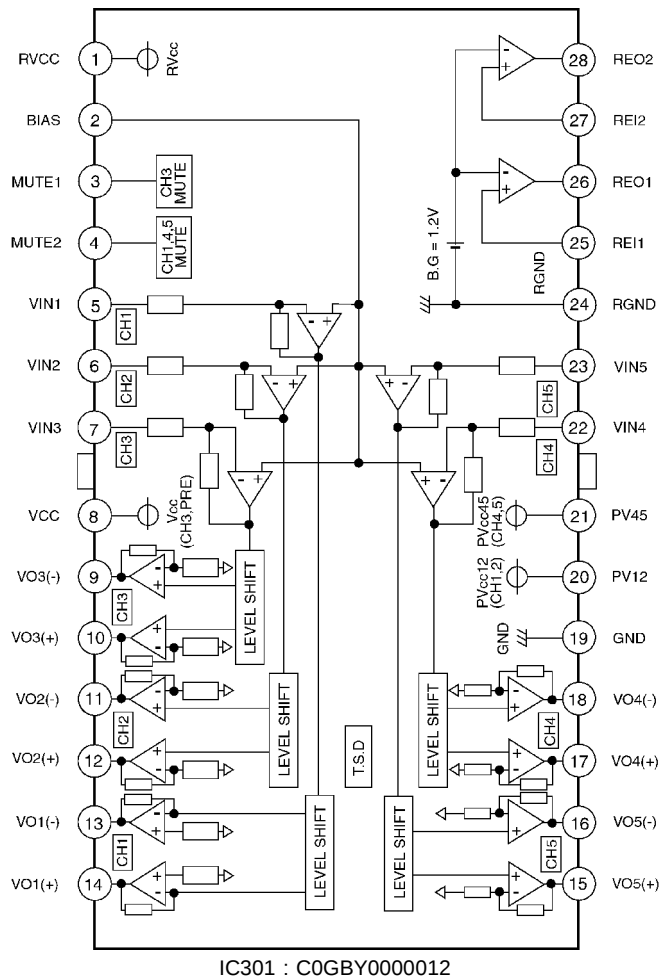






PA101 : YESAP231

9.2. CD Servo Block



IC301 : C0GBY0000012

10 REPLACEMENT PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. 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.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. 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.
5. "A" or "B" marks in remarks column are indicated as follows :

- A : CQ-MS6270K
- B : CQ-MS6271K

Ref. No.	Part No.	Part Name & Description	Remarks
[E6891A] Main Block			
IC's and TRANSISTORS			
IC140	C1EB00000061	IC	
IC141	C0ABCB000032	IC	
IC142	YEAMHA12181F	IC	
IC201	C2HBZF000004	IC	
IC211	C0ABCB000038	IC	
IC231	C1BA00000345	IC	
IC601	C2CBKH000053	IC	
IC631	YEAMLB1930MT	IC	
IC651	C1EB00000001	IC	
IC701	C0DBZH200020	IC	
IC702	C0DBFH200001	IC	
PA101	YESAP231	Electronic Tuner	
Q110	B1GDCFNN0007	Transistor	
Q121	YEANC323TUTX	Transistor	
Q131	YEANC323TUTX	Transistor	
Q141	B1ABCF000044	Transistor	
Q142	B1ABCF000044	Transistor	
Q143	B1GBCFGN0001	Transistor	
Q642	B1GKCFNN0006	Transistor	
Q701	YEAN2SA1757	Transistor	
Q703	YEAN2SA1757	Transistor	
Q704	2SB1446TA	Transistor	
Q705	YEANC114YKX	Transistor	
Q706	2SB1398QTA	Transistor	
Q708	YEAND1862T	Transistor	
Q709	YEAND1862T	Transistor	
Q720	B1ABCF000044	Transistor	
Q731	YEANFP1F3PT1	Transistor	
Q741	B1BBAC000007	Transistor	
Q742	B1GDCFJN0011	Transistor	
Q751	B1GBCFNN0009	Transistor	
Q768	B1BBCD000001	Transistor	
DIODES			
D101	B0ADDJ000007	Diode	
D110	B0ACCK000005	Diode	
D141	MA153TX	Diode	
D142	MA153TX	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D631	B0ADDJ000006	Diode	
D632	YEADSR1544TL	Diode	
D633	YEADSR1544TL	Diode	
D634	YEADSR1544TL	Diode	
D641	B0ACCK000005	Diode	
D643	B0ACCK000005	Diode	
D651	YEARDR18M2T1	Diode	
D652	YEARDR18M2T1	Diode	
D661	B0ADDJ000006	Diode	
D701	B0BC02700005	Diode	
D702	YEARDR91M2T1	Diode	
D703	YEADRB051L40	Diode	
D704	YEARDR56M2T1	Diode	
D741	B0BC9R100001	Diode	
D751	B0BC02200013	Diode	
D760	B0ADDJ000008	Diode	
D761	B0ADDJ000008	Diode	
D763	B0ACCK000005	Diode	
D769	B0BC8R200012	Diode	
CAPACITORS			
C51	YECUZ1H102KX	Ceramic, 1000PF 50WV	
C101	F1H1A154A007	Ceramic, 0.15 μ F 10WV	
C102	YECUZ1E223KX	Ceramic, 0.022 μ F 25WV	
C103	YECUZ1E223KX	Ceramic, 0.022 μ F 25WV	
C107	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	
C109	YECUS1C105ZF	Ceramic, 1 μ F 16WV	
C110	ECEA1HKAR22I	Electrolytic, 0.22 μ F 50WV	
C111	YECUZ1E223KX	Ceramic, 0.022 μ F 25WV	
C112	YECUZ1E223KX	Ceramic, 0.022 μ F 25WV	
C115	EEUFC1A221B	Electrolytic, 220 μ F 10WV	
C118	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C119	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C121	YECUZ1C823KX	Ceramic, 0.082 μ F 16WV	
C123	YECUS1A105KX	Ceramic, 1 μ F 10WV	
C131	YECUZ1C823KX	Ceramic, 0.082 μ F 16WV	
C133	YECUS1A105KX	Ceramic, 1 μ F 10WV	
C141	F1H1H3310001	Ceramic, 330PF 50WV	
C142	ECEA1HKA2R2I	Electrolytic, 2.2 μ F 50WV	
C143	YECUZ1H271JC	Ceramic, 270PF 50WV	
C144	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C145	F1J1H561A675	Ceramic, 560PF 50WV	
C146	ECEA0JKA470I	Electrolytic, 47 μ F 6.3WV	
C147	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C148	YECUS1H470JC	Ceramic, 47PF 50WV	
C149	F1J1H560A025	Ceramic, 56PF 50WV	
C150	F1J1H122A675	Ceramic, 1200PF 50WV	
C151	F1J1H152A675	Ceramic, 1500PF 50WV	
C152	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C153	ECEA1HKA4R7	Electrolytic, 4.7 μ F 50WV	
C154	F1J1H151A672	Ceramic, 150PF 50WV	
C155	YECUZ1H151JC	Ceramic, 150PF 50WV	
C156	F1J1H151A672	Ceramic, 150PF 50WV	
C157	F1J1H151A672	Ceramic, 150PF 50WV	
C158	YECUS1H102KX	Ceramic, 1000PF 50WV	
C159	YECUS1H100CC	Ceramic, 10PF 50WV	
C160	YECUS1H102KX	Ceramic, 1000PF 50WV	
C161	YECUS1E223KX	Ceramic, 0.022 μ F 25WV	
C162	ECEA1CKA100I	Electrolytic, 10 μ F 16WV	
C176	YECUZ1H471KX	Ceramic, 470PF 50WV	
C178	ECEA1AKA101I	Electrolytic, 100 μ F 10WV	
C180	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C181	YECUZ1H392KX	Ceramic, 3900PF 50WV	
C182	YECUZ1C333KX	Ceramic, 0.033 μ F 16WV	
C183	YECUZ1C333KX	Ceramic, 0.033 μ F 16WV	
C184	YECUZ1C683KX	Ceramic, 0.068 μ F 16WV	
C185	YECUZ1C333KX	Ceramic, 0.033 μ F 16WV	
C186	ECEA1HKA3R3I	Electrolytic, 3.3 μ F 50WV	
C187	YECUZ1C393KX	Ceramic, 0.039 μ F 16WV	
C188	YECUZ1H102KX	Ceramic, 1000PF 50WV	
C189	YECUZ1A224KX	Ceramic, 0.22 μ F 10WV	
C190	F1H1E103A011	Ceramic, 0.01 μ F 25WV	

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Ref. No.	Part No.	Part Name & Description	Remarks
C311	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
C312	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
C613	ERJ2GE0R00X	Chip, 0Ω 1/16W	
J200	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
L140	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
L176	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
L501	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
L502	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
L503	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
L504	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
L505	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R101	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R102	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R108	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R110	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R111	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R122	ERJ3GEYJ101V	Chip, 100Ω 1/16W	
R123	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R124	ERJ3GEYJ392V	Chip, 3.9kΩ 1/16W	
R132	ERJ3GEYJ101V	Chip, 100Ω 1/16W	
R133	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R134	ERJ3GEYJ392V	Chip, 3.9kΩ 1/16W	
R142	ERJ3GEYJ334V	Chip, 330kΩ 1/16W	
R143	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R144	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R146	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R147	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R148	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R150	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R151	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R152	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R153	ERJ6GEYJ683	Chip, 68kΩ 1/10W	
R154	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R155	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R157	ERJ3GEYJ183V	Chip, 18kΩ 1/16W	
R158	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R159	ERJ3GEYJ393V	Chip, 39kΩ 1/16W	
R160	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R161	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R162	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R163	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R164	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R165	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R166	ERJ6GEYJ224	Chip, 220kΩ 1/10W	
R167	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R168	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R169	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R189	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R190	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R194	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R195	ERJ3GEYJ683V	Chip, 68kΩ 1/16W	
R196	ERJ3GEYJ123V	Chip, 12kΩ 1/16W	
R197	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R199	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R200	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R201	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	
R204	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R205	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R206	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R207	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R208	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R209	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R210	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R211	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R212	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R213	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R216	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R217	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R218	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R219	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R220	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R221	ERJ3GEYJ182V	Chip, 1.8kΩ 1/16W	
R222	ERJ3GEYJ182V	Chip, 1.8kΩ 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R223	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R225	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R226	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R227	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R228	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R229	ERJ3GEYJ471V	Chip, 470Ω 1/16W	
R251	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R253	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R271	ERJ2GEJ221X	Chip, 220Ω 1/16W	
R272	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R274	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R276	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R281	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R301	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	
R304	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R305	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R306	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R307	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R308	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R309	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R310	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R311	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R312	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R313	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R316	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R317	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R318	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R319	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R320	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R321	ERJ3GEYJ182V	Chip, 1.8kΩ 1/16W	
R322	ERJ3GEYJ182V	Chip, 1.8kΩ 1/16W	
R325	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R326	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R327	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R328	ERJ6GEYJ2R2	Chip, 2.2Ω 1/10W	
R351	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R353	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R503	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R504	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R514	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R524	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R544	ERJ3GEYJ182V	Chip, 1.8kΩ 1/16W	
R554	ERJ3GEYJ182V	Chip, 1.8kΩ 1/16W	
R604	ERJ2GEJ221X	Chip, 220Ω 1/16W	
R606	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R607	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R609	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R613	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R623	ERJ2GEJ472X	Chip, 4.7kΩ 1/16W	
R624	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R625	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R626	ERJ2GEJ474X	Chip, 470kΩ 1/16W	
R641	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R642	ERJ3GEYJ563V	Chip, 56kΩ 1/16W	
R645	ERJ2GEJ274X	Chip, 270kΩ 1/16W	
R647	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R651	ERJ8GEYJ101V	Chip, 100Ω 1/8W	
R652	ERJ8GEYJ101V	Chip, 100Ω 1/8W	
R653	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R654	ERG1SJ680E	Metal Oxid, 68Ω 1W	
R655	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R656	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R657	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R662	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R669	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R685	ERJ2GEJ332X	Chip, 3.3kΩ 1/16W	
R693	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R694	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R701	D0HB472ZA002	Metal Film, 4.7kΩ 1/10W	
R703	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R706	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R707	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R710	D0HB274ZA002	Metal Film, 270kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R711	D0HB433ZA002	Metal Film, 43kΩ 1/10W	
R712	ERJ6RBD273V	Metal Film, 27kΩ 1/10W	
R713	D0HB472ZA002	Metal Film, 4.7kΩ 1/10W	
R714	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R715	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R716	ERJ8GEYJ222V	Chip, 2.2kΩ 1/8W	
R717	ERJ14YJ1R0H	Chip, 1Ω 1/4W	
R719	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R720	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R722	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R723	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R724	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R726	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R743	ERJ3GEYJ331V	Chip, 330Ω 1/16W	
R751	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R752	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R753	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R759	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R761	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R762	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R764	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R767	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R768	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R769	ERJ6GEYJ680	Chip, 68Ω 1/10W	
R907	ERJ2GEJ332X	Chip, 3.3kΩ 1/16W	
CONNECTORS			
CN501	K1MN14C00003	Connector, 14P	
CN631	YEA012385	Connector, 17P	
CN661	K1MN06C00004	Connector, 6P	
CN701	K1FA116B0023	Connector, 6+10P	
CN702	K1FA112B0017	Connector, 12P	
CN703	K1FA120B0009	Connector, 20P	
CN901	K1KA10B00162	Connector, 10P	
CN902	K1KA10B00162	Connector, 10P	
CN903	K1MN10C00003	Connector, 10P	
COILS			
L141	J0JCC0000030	Coil	
L143	YELT03N220JT	Coil	
L144	YELTBML2A102	Coil	
L271	J0JCC0000053	Coil	
L272	J0JCC0000053	Coil	
L273	J0JCC0000053	Coil	
L274	J0JCC0000053	Coil	
L275	YELTBML2B222	Coil	
L276	G1C220K00010	Coil	
L601	YELTBML21A10	Coil	
L602	YELTBML21A10	Coil	
L603	YELTBML21A10	Coil	
L604	YELTBML21A10	Coil	
L605	J0JCC0000030	Coil	
L606	YELTBML21A10	Coil	
L640	YELTBML2B222	Coil	
L701	G0A111J00003	Coil	
L702	YELTBML2B222	Coil	
L740	YELTBML2B222	Coil	
R191	YELTBML21A10		
CRYSTALS			
XL140	YEXL49U0433T	Crystal	
XL271	H0D168500001	Crystal	
XL601	H0D123500002	Crystal	
NEON TUBE			
Z53	J0LE00000004	Neon Tube	
FILTER			

Ref. No.	Part No.	Part Name & Description	Remarks
LPF51	YEXC07T009	Filter	
NETWORK RESISTORS			
R103	D1H84724A024	Network Resistor	
R250	D1H810340005	Network Resistor	
R252	D1H468220001	Network Resistor	
R273	D1H410320002	Network Resistor	
R277	D1H81024A024	Network Resistor	
R352	D1H468220001	Network Resistor	
R501	D1H81024A024	Network Resistor	
R511	D1H422220001	Network Resistor	
R521	D1H422220001	Network Resistor	
R601	D1H81024A024	Network Resistor	
R602	D1H82224A024	Network Resistor	
R603	D1H422220001	Network Resistor	
R610	D1H81024A024	Network Resistor	
R611	D1H81024A024	Network Resistor	
R612	D1H81024A024	Network Resistor	
R617	D1H81024A024	Network Resistor	
R618	D1H81024A024	Network Resistor	
R620	D1H81024A024	Network Resistor	
R621	D1H82224A024	Network Resistor	
R622	D1H410220001	Network Resistor	
R630	D1H410220001	Network Resistor	
R631	D1H81024A024	Network Resistor	
R632	D1H81024A024	Network Resistor	
R633	D1H81024A024	Network Resistor	
R636	D1H81024A024	Network Resistor	
R681	D1H410220001	Network Resistor	
R684	D1H82224A024	Network Resistor	
R691	D1H447220001	Network Resistor	
R760	D1H415220001	Network Resistor	
R903	D1H84724A024	Network Resistor	
R910	D1H410420002	Network Resistor	
R932	D1H410220001	Network Resistor	
R934	D1H410220001	Network Resistor	
R935	D1H410220001	Network Resistor	
[E9110]	Display Block		
IC's and TRANSISTORS			
IC901	C0HBA0000093	IC	
DIODES			
D900	B3ACB0000067	Diode	
D901	B3ACB0000067	Diode	
D902	B3ACB0000067	Diode	
D903	B3ACB0000067	Diode	
D904	B3ACB0000067	Diode	
D905	B3ACB0000067	Diode	
D906	B3ACB0000067	Diode	
D907	B3ACB0000067	Diode	
D908	B3ACB0000067	Diode	
D909	B3ACB0000067	Diode	
D910	B3ACB0000067	Diode	
D911	B3ACB0000067	Diode	
D912	B3ACB0000067	Diode	
D913	B3ACB0000067	Diode	
D914	B3ACB0000067	Diode	
D915	B3ACB0000067	Diode	
D916	B3ACB0000067	Diode	
D917	B3ACB0000067	Diode	
D918	B3ACB0000067	Diode	
D919	B3ACB0000067	Diode	
D920	B3ACB0000067	Diode	
D921	B3ACB0000067	Diode	
D926	B3ACB0000067	Diode	
D927	B3ACB0000067	Diode	
D929	B3ACB0000067	Diode	
D930	B3ACB0000067	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D931	B3ACB0000067	Diode	
D932	B3ACB0000067	Diode	
D933	B3ACB0000067	Diode	
D934	B3ACB0000067	Diode	
D935	B3ACB0000067	Diode	
D936	B3ACB0000067	Diode	
D937	B3ACB0000067	Diode	
D939	B3ACB0000068	Diode	
D940	B3ACB0000068	Diode	
D941	B3ACB0000068	Diode	
D942	B3ACB0000068	Diode	
D943	B3ACB0000068	Diode	
D944	B3ACB0000068	Diode	
D945	B3ACB0000068	Diode	
D946	B3ACB0000068	Diode	
D947	B3ACB0000067	Diode	
D948	B3ACB0000067	Diode	
D949	B3ACB0000067	Diode	
D950	B3ACB0000067	Diode	
D953	B3ACB0000067	Diode	
D954	B3ACB0000067	Diode	
D961	B0ACCK000005	Diode	
D962	B0ACCK000005	Diode	
D963	B0ACCK000005	Diode	
D964	B0ACCK000005	Diode	
CAPACITORS			
C901	YECUS1E473KX	Ceramic, 0.047μF 25WV	
C902	YECUS1E473KX	Ceramic, 0.047μF 25WV	
C903	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C904	YECUS1E473KX	Ceramic, 0.047μF 25WV	
C906	YECUS1H102KX	Ceramic, 1000PF 50WV	
C914	F1J1H221A665	Ceramic, 220PF 50WV	
C915	F1J1H221A665	Ceramic, 220PF 50WV	
C916	F1J1H221A665	Ceramic, 220PF 50WV	
C917	F1J1H221A665	Ceramic, 220PF 50WV	
C919	F1J1H221A665	Ceramic, 220PF 50WV	
C920	F1J1H221A665	Ceramic, 220PF 50WV	
C921	F1J1H221A665	Ceramic, 220PF 50WV	
C929	F1J1H221A665	Ceramic, 220PF 50WV	
RESISTORS			
R900	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R901	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R902	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R903	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R904	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R905	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R906	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R907	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R908	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R909	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R910	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R914	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R915	ERJ6GEYJ271	Chip, 270Ω 1/10W	
R916	ERJ6GEYJ271	Chip, 270Ω 1/10W	
R917	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R918	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R919	ERJ6GEYJ391	Chip, 390Ω 1/10W	
R920	ERJ6GEYJ391	Chip, 390Ω 1/10W	
R921	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R922	ERJ6GEYJ391	Chip, 390Ω 1/10W	
R925	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R926	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R927	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R928	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R929	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R930	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R931	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R932	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R933	ERJ6GEY0R00V	Chip, 0Ω 1/10W	

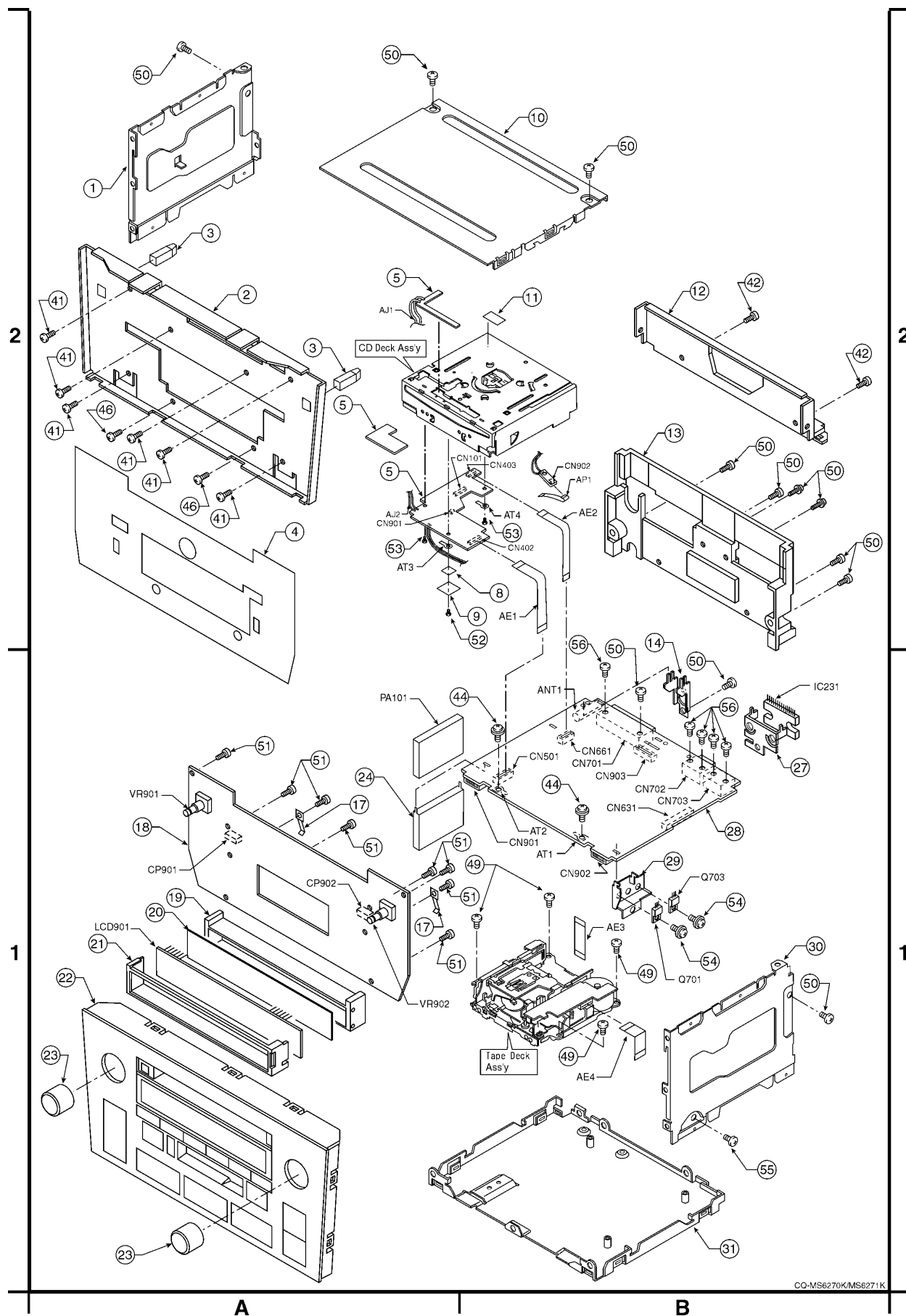
Ref. No.	Part No.	Part Name & Description	Remarks
R934	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R935	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R936	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R938	D1BD39020001	Metal Film, 39kΩ 1/10W	
R939	D1BD15020001	Metal Film, 15kΩ 1/10W	
R942	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R943	ERJ6GEYJ561	Chip, 560Ω 1/10W	
CONNECTORS			
CP901	YEAETKCF10XE	Connector, 10P	
CP902	YEAETKCF10XE	Connector, 10P	
SWITCHES			
SW900	K0F111A00378	Switch	
SW901	K0F111A00378	Switch	
SW902	K0F111A00378	Switch	
SW903	K0F111A00378	Switch	
SW904	K0F111A00378	Switch	
SW905	K0F111A00378	Switch	
SW906	K0F111A00378	Switch	
SW907	K0F111A00378	Switch	
SW908	K0F111A00378	Switch	
SW909	K0F111A00378	Switch	
SW910	K0F111A00378	Switch	
SW911	K0F111A00378	Switch	
SW912	K0F111A00378	Switch	
SW913	K0F111A00378	Switch	
SW914	K0F111A00378	Switch	
SW915	K0F111A00378	Switch	
SW916	K0F111A00378	Switch	
SW917	K0F111A00378	Switch	
SW918	K0F111A00378	Switch	
SW919	K0F111A00423	Switch	
SW920	K0F111A00378	Switch	
SW921	K0F111A00378	Switch	
SW922	K0F111A00378	Switch	
SW923	K0F111A00378	Switch	
SW924	K0F111A00423	Switch	
SW925	K0F111A00378	Switch	
SW926	K0F111A00378	Switch	
SW927	K0F111A00423	Switch	
LCD			
LCD901	L5AABMC00002	LCD	
COILS			
L901	YELT03N101JT	Coil	
L903	J0JAC0000013	Coil	
L904	J0JAC0000013	Coil	
L905	J0JAC0000013	Coil	
L906	J0JAC0000013	Coil	
L907	J0JAC0000013	Coil	
L908	J0JAC0000013	Coil	
VARIABLE RESISTORS			
VR901	K0N130C00012	Variablr resistor	
VR902	K0N130C00018	Variablr resistor	
THERMISTOR			
RT901	D4CC16830002	Thermistor	
[E9005B] CD Servo Block			
IC's and TRANSISTORS			
IC101	C1BB00000414	IC	
IC201	C2BBFD000365	IC	

Ref. No.	Part No.	Part Name & Description	Remarks
IC301	C0GBY0000012	IC	
Q1	B3HB00000012	Transistor	
Q3	B3HB00000012	Transistor	
Q6	B3HB00000012	Transistor	
Q101	2SB766ATX	Transistor	
Q302	2SB766ATX	Transistor	
Q451	B1GBCFCJ0005	Transistor	
DIODES			
D1	YEADAN1102W	Diode	
D3	YEADAN1102W	Diode	
D6	YEADAN1102W	Diode	
D123	B0ACCK000005	Diode	
D401	MA152WKTX	Diode	
D901	MA152WATX	Diode	
CAPACITORS			
C100	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C101	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C102	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C103	F3H0J1070005	Tantalum, 100 μ F 6.3WV	
C112	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C114	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C115	EEVFC0J470R	Electrolytic, 47 μ F 6.3WV	
C117	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C122	YECUS1C104KX	Ceramic, 0.1 μ F 16WV	
C126	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C133	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C140	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C151	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C170	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C171	YECUZ1C333KX	Ceramic, 0.033 μ F 16WV	
C172	YECUZ1C333KX	Ceramic, 0.033 μ F 16WV	
C173	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C174	F1H1H222A190	Ceramic, 2200PF 50WV	
C176	F1H1C473A005	Ceramic, 0.047 μ F 16WV	
C177	YECUZ1H040CC	4PF 50WV	
C179	YECUS1H220JC	Ceramic, 22PF 50WV	
C190	YECUS1H560JM	Ceramic, 56PF 50WV	
C192	YECUS1H560JM	Ceramic, 56PF 50WV	
C193	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C195	YECUZ1H102KX	Ceramic, 1000PF 50WV	
C217	F1H1A4740004	Ceramic, 0.47 μ F 10WV	
C218	YECUZ1H103KX	Ceramic, 0.01 μ F 50WV	
C301	YECUS1C474KX	Ceramic, 0.47 μ F 16WV	
C302	EEVFC1C470P	Electrolytic, 47 μ F 16WV	
C304	F1J1C1050013	Ceramic, 1 μ F 16WV	
C320	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C321	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C322	F1H1H222A190	Ceramic, 2200PF 50WV	
C323	F1H1H681A201	Ceramic, 680PF 50WV	
C326	EEVFC0J101P	Electrolytic, 100 μ F 6.3WV	
C410	ECEV0JA101SP	Electrolytic, 100 μ F 6.3WV	
C603	YECUZ1C104KX	Ceramic, 0.1 μ F 16WV	
C604	YECUZ1H471JC	Ceramic, 470PF 50WV	
C605	YECUZ1H471JC	Ceramic, 470PF 50WV	
C606	YECUZ1H471JC	Ceramic, 470PF 50WV	
C607	YECUZ1H471JC	Ceramic, 470PF 50WV	
RESISTORS			
L101	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L201	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L202	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L301	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
L302	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R102	ERJ14YJ220H	22 Ω 1/4W	
R123	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R125	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R171	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R172	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R179	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R186	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R187	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R213	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R218	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R223	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R226	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R228	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R256	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R257	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R258	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R305	ERJ3GEYJ122V	Chip, 1.2k Ω 1/16W	
R306	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R322	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R323	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R325	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R326	ERJ3GEYJ153V	Chip, 15k Ω 1/16W	
R327	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R336	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R401	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R411	ERJ3GEYJ334V	Chip, 330k Ω 1/16W	
R423	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R441	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R454	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R456	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R461	ERJ3GEYJ823V	Chip, 82k Ω 1/16W	
R463	ERJ3GEYJ823V	Chip, 82k Ω 1/16W	
R466	ERJ6GEYJ823	Chip, 82k Ω 1/10W	
R471	ERJ8GEYJ121V	Chip, 120 Ω 1/8W	
R473	ERJ8GEYJ121V	Chip, 120 Ω 1/8W	
R476	ERJ8GEYJ121V	Chip, 120 Ω 1/8W	
R481	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R604	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R605	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R606	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
CONNECTORS			
CN101	YEAESFW15R1E	Connector, 15P	
CN402	K1MN14B00028	Connector, 14P	
CN403	K1MN06B00079	Connector, 6P	
CN901	K1MN05B00010	Connector, 5P	
CN902	K1MN05B00009	Connector, 5P	
SWITCHES			
SW2	ESE22MH32	Switch	
SW4	YEAS09275	Switch	
CRYSTALS			
XL101	H2D169500008	Crystal	
XL201	H2D419400001	Crystal	
Mechanical Parts			
MISCELLANEOUS			
ANT1	YAAA10091	Antenna Receptacle	
AE1	K9ZZ00001006	Flat Cable, 14P	
AE2	K9ZZ00000982	Flat Cable, 6P	
AE3	K9ZZ00000979	Flat Cable, 10P	
AE4	K9ZZ00000981	Flat Cable, 17P	
AJ1	YEAJ071287	Cord w/Plug	
AJ2	YEAJ071285	Cord w/Plug	
AP1	YEAP2711	FPC	
AT1	YEAT03346A	Terminal	
AT2	YEAT03346A	Terminal	
AT3,4	YEATSD000405	Bracket, GND	
1	YEFA09743B	Side Plate (L)	
2	YEFA07583A	Front Plate	
3	YEFK061054	Holder, LCD	

Ref. No.	Part No.	Part Name & Description	Remarks
4	YEFV012145	Insulator	
5	YEP0PT9005V9	PCB w/Component	RTL
8	YEFS011800	Pad	
9	YEFF011070A	Mounting Base	
10	YEFA031803A	Upper Cover	
11	YEFM031105	Laser Seal	
12	YEFX0215832A	Bracket, CD Deck	
13	YEFF011084A	Heat Sink	
14	YEFX0215834	Bracket, ANT1	
17	YEFX0215255	Bracket	
18	YEP0PT9110Z9	PCB w/Component	RTL
19	YEFX0215836	Bracket, LCD	
20	YEFK061011A	Holder	
21	YEFV021860A	Optical Shade	
22	YEF027424E	Escutcheon Ass'y	A
22	YEF027434E	Escutcheon Ass'y	B
23	YEFE02413	Knob, VOL/TUNE	A
23	YEFE02416	Knob, VOL/TUNE	B
24	YEFV03508	Magnetic Shield, PA101	
27	YEFX0215071	Bracket, IC231	
28	YEP0PT6891Z9	PCB w/Component	RTL
29	YEFX0215835	Bracket, Q701,703	
30	YEFA09742B	Side Plate (R)	
31	YEFA05826A	Bottom Cover	
41	YEJS06303	Binding Screw	
42	YEJT03324	Tapping Screw	
44	YEJT03015	Tapping Screw, 3 * 6	
46	YEJT03131	Tapping Screw, 2.6 * 5	
47	YEJT03289	Taping Screw	
49	YEJS06185	Screw	
50	XTB3+6FFX	Tapping Screw, 3 * 6	
51	XTB2+6GFX	Tapping Screw, 2 * 6	
52	XYN2+J6FX	Screw w/Washer, 2 * 6	
53	XYN2+J4FX	Screw w/Washer, 2 * 4	
54	YEJT03059	Screw	
55	XTB3+6JFX	Tapping Screw, 3 * 6	
56	YEJT01103	Tapping Screw	

11 EXPLODED VIEW (Unit)



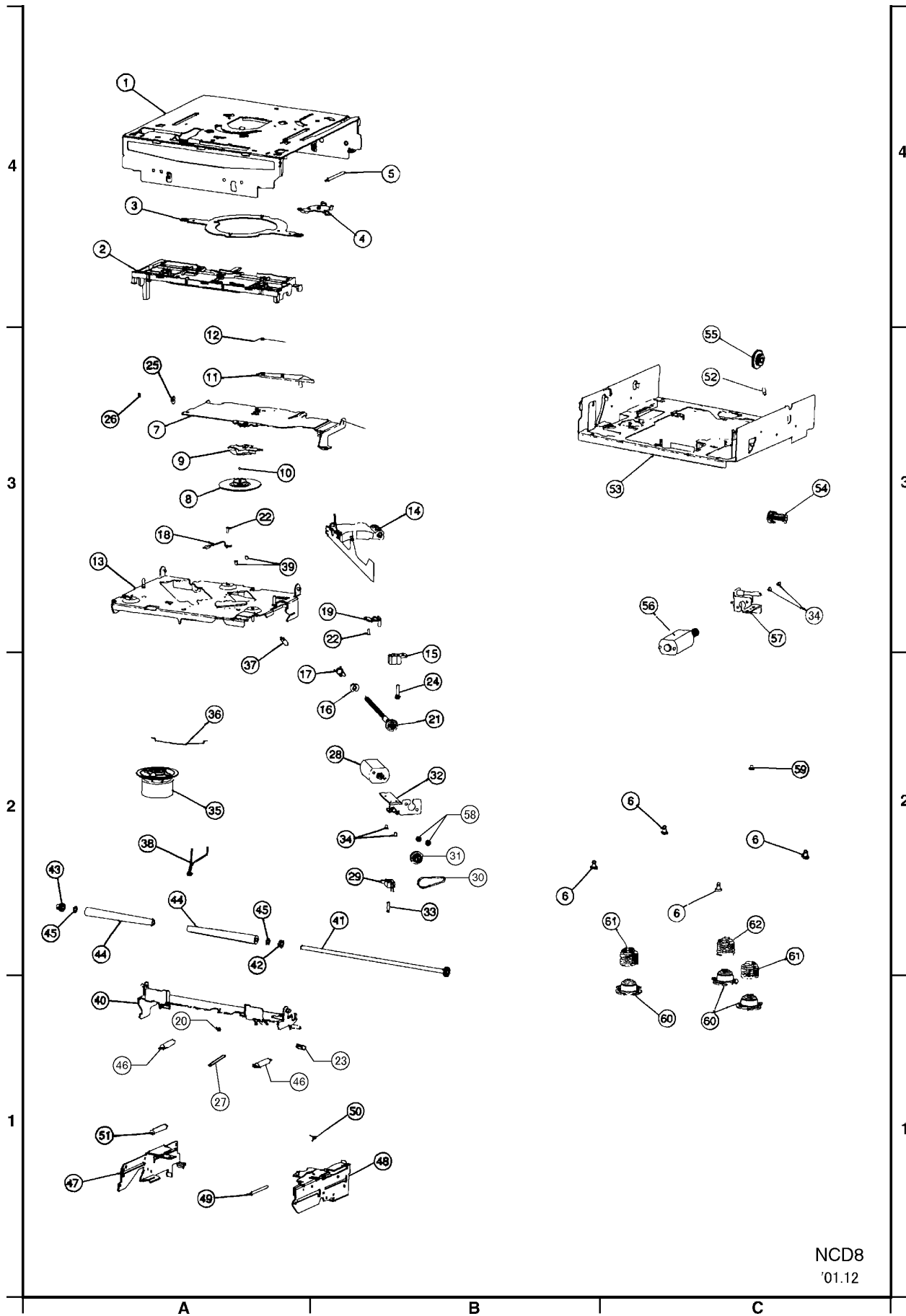
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12 CD PLAYER PARTS

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
1	YGFA011781	Upper Chassis	(4-A)
2	YGFX236153	Disk Guide	(4-A)
3	YGFX0462017	Link Lever	(4-A)
4	YGFX0462018	Detection Lever (2)	(4-B)
5	YGFX0052357	Detection Lever (2) Spring	(4-B)
6	YEJT03216	Screw	(2-C) (2-B)
7	YGFX249461	Clamp Arm	(3-A)
8	YGFX007640	Clamper	(3-A)
9	YGFX0052363	Clamper Spring Plate	(3-A)
10	YEFX999957	Ball Bearing	(3-A)
11	YGFX0462013	Detection Lever (1)	(3-A)
12	YGFX0052352	Detection Lever (1) Spring	(3-A)
13	YGFA011947	Suspension Chassis Ass'y	(3-A)
14	YEP0FX4378	Optical Pick-up Ass'y	(3-B)
15	YGFW04150	Feed Screw Housing A	(2-B)
16	YGFW04137A	Feed Screw Housing B	(2-B)
17	YGFX0052386	Thrust Adjusting Spring	(2-B)
18	YEFX0052557	Traverse Guide	(3-A)
19	YGFX9992027	Feed Screw Carrier	(3-B)
20	YEFX011723	Rubber Pad (2)	(1-A)
21	YEJT03211	Traverse Gear Ass'y	(2-B)
22	YEJS02037A	Screw, (Pick-up)	(3-A) (3-B)
23	YEFX011712	Rubber Pad (1)	(1-A)
24	XYN2+J10FX	Screw, (Housing) 2mm * 10m	(2-B)
25	YGFX0051590	Spring Washer	(3-A)
26	XUC15V	Retaining Ring, 1.5mm	(3-A)
27	YGFX0052395	Offset Spring	(1-A)
28	YGP0FX4162	Traverse Motor Ass'y	(2-B)
29	YEAS23151A	Inner Switch	(2-B)
30	YEFR03080	Rubber Belt	(2-B)
31	YGFX026124A	Idler Pulley	(2-B)
32	YGFX018658	Motor Bracket Ass'y	(2-B)
33	YEJS02018FZ	Screw, (SW)	(2-B)
34	YEJS06097A	Screw, 2mm * 25mm	(2-B)
35	YGP0FX3529	Spindle Motor Ass'y	(2-A)
36	YGFX0051991C	Spring (Motor)	(2-A)
37	YGFX0052353	Clamper Spring	(2-A)
38	YGAJ071286	Motor Cable	(2-A)
39	XQN17+A25FX	Screw, 1.7mm * 25mm	(3-A)
40	YGFX0462019	Feeder Arm Ass'y	(1-A)
41	YGP0FX3507	Roller Gear Ass'y	(2-B)
42	YGFW04144	Roller Shaft Collar (1)	(2-A)
43	YGFW04138	Roller Shaft Collar (2)	(2-A)
44	YGFX218310	Rubber Roller	(2-A)
45	YEJW05169	Washer	(2-A)
46	YGFX0052362	Spring (Feeder Arm)	(1-A)
47	YGFX0462015A	Suspension Lock Plate (L)	(1-A)
48	YGP0FX3504	Suspension Lock Plate (R) Ass'y	(1-B)
49	YGFX0052355	Spring (Rack Gear)	(1-A)
50	YGFX0052356	Spring (Rack Lock Lever)	(1-B)
51	YGFX0052360	Spring (Suspension Lock Plate L)	(1-A)
52	YGFX0052361	Spring (Lock Plate)	(3-C)
53	YGFA011779	Bottom Chassis Ass'y	(3-C)
54	YGFX003940	Driving Gear (1)	(3-C)
55	YGFX003941	Driving Gear (2)	(3-C)
56	YGP0FX4167	Loding Motor Ass'y	(3-C)
57	YGFX018660	Loding Motor Bracket Ass'y	(3-C)
58	XQN2+A25FX	Screw, 2mm * 25mm	(2-B)
59	YEJS06188	Screw	(2-C)
60	YGFS04755	Oil Dumper	(1-C)
61	YGFX0052358	Suspension Spring (A)	(2-C)
62	YGFX0052359	Suspension Spring (B)	(2-C)

13 EXPLODED VIEW (CD Deck)



NCD8
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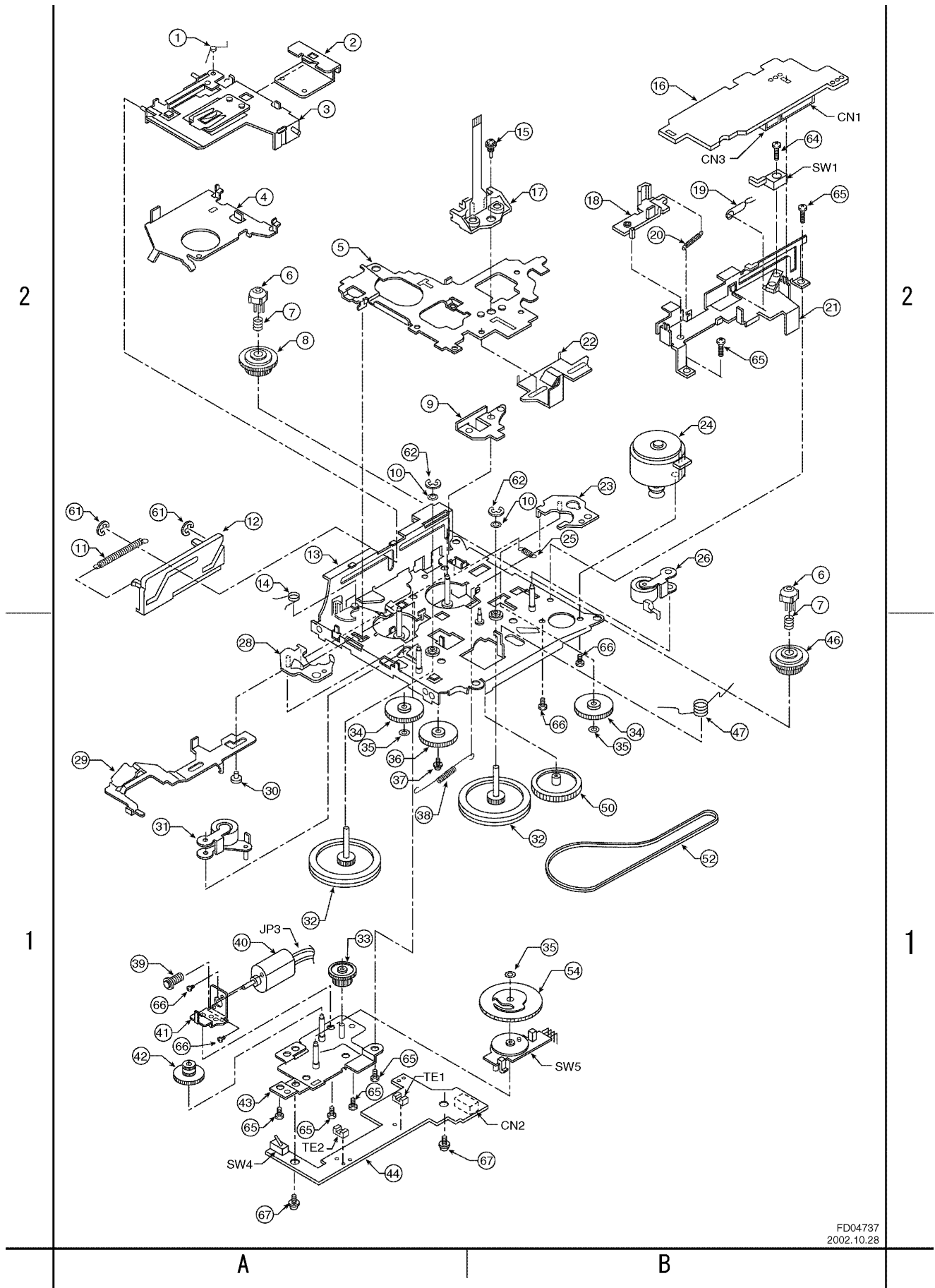
14 TAPE PLAYER PARTS

Ref. No.	Part No.	Part Name & Description	Remarks
[E9200] Dolby Block			
IC and TRANSISTOR			
IC1	C1BB00000100	IC	
Q401	YEANC114YKX	Transistor	
CAPACITORS			
C201	YECUS1H331JM	Ceramic, 330PF 50WV	
C202	YECUS1H331JM	Ceramic, 330PF 50WV	
C204	YECUS1H123KX	Ceramic, 0.012μF 50WV	
C205	F1J1H333A429	Ceramic, 0.033μF 50WV	
C206	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C301	YECUS1H331JM	Ceramic, 330PF 50WV	
C302	YECUS1H331JM	Ceramic, 330PF 50WV	
C304	YECUS1H123KX	Ceramic, 0.012μF 50WV	
C305	F1J1H333A429	Ceramic, 0.033μF 50WV	
C306	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C401	ECEA1CKS220I	Electrolytic, 22μF 16WV	
C402	ECEA1AKS330I	Electrolytic, 33μF 10WV	
C403	YECUV2A103KX	Ceramic, 0.01μF 100WV	
C404	F1J1H3330006	Ceramic, 0.033μF 50WV	
C405	ECEA1HKS33I	Electrolytic, 0.33μF 50WV	
C406	YECUS1H472KX	Ceramic, 0.0047μF 50WV	
C407	ECEA1CKS100I	Electrolytic, 10μF 16WV	
C409	YECUS1H472KX	Ceramic, 0.0047μF 50WV	
C501	F1K1E334A022	Ceramic, 0.33μF 25WV	
RESISTORS			
J1	ERJ6GEY0R00	Chip, 0Ω 1/10W	
J2	ERJ6GEY0R00	Chip, 0Ω 1/10W	
J3	ERJ6GEY0R00	Chip, 0Ω 1/10W	
J4	ERJ6GEY0R00	Chip, 0Ω 1/10W	
J5	ERJ6GEY0R00	Chip, 0Ω 1/10W	
J11	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J12	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J13	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J14	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J15	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J16	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J17	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J18	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J19	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J20	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J21	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J22	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J23	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J24	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J25	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J26	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J27	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J28	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J29	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J30	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J31	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
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	

Ref. No.	Part No.	Part Name & Description	Remarks
CONNECTORS			
CN1	YEA012385	Connector, 17P	
CN3	YEAESLW05R1	Connector, 5P	
SWITCHES			
SW1	K0J1CB000001	Switch	
SW2	YEAS07174	Switch	
SW3	YEAS08042	Switch	
VARIABLE RESISTORS			
VR201	EVNDXAA00B13	Variable resistor	
VR301	EVNDXAA00B13	Variable resistor	
[E8927A] Reel Block			
TRANSISTORS			
TE1	CNA1312K01MC	Photo Transistor	
TE2	CNA1312K01MC	Photo Transistor	
CAPACITORS			
C1	YECUS1H471JM	Ceramic, 470PF 50WV	
C2	YECUS1H471JM	Ceramic, 470PF 50WV	
RESISTORS			
J1	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J2	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J3	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J4	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J5	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J6	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J7	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J8	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R1	ERJ8GEYJ683V	Chip, 68kΩ 1/8W	
R2	ERJ8GEYJ683V	Chip, 68kΩ 1/8W	
R3	ERJ8GEYJ472V	Chip, 4.7kΩ 1/8W	
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	
CONNECTOR			
CN2	YEA012406	Connector, 10P	
SWITCHES			
SW4	K0F111B00047	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	YGFA011830	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	YGFA011827	Main Chassis Ass'y	
14	YGFX0052444	EQ Lever Spring	

Ref. No.	Part No.	Part Name & Description	Remarks
15	YGF062546	Shaft	
16	YGP0PT9200A0	Dolby P.C.B. Ass'y	
17	YGP9FZ2973	Head Ass'y	
18	YGF0462105	Lever	
19	YGF0052478	Vibration-proof Spring	
20	YGF0052477	Spring	
21	YGF239470	Cassette Guid Plate	
22	YGF0462097	PRO Change Plate	
23	YGF0031031	Idler Gear Plate (F) Ass'y	
24	YGP0FX3845	Main Motor Ass'y	
25	YGF0052474	Lack Return Spring	
26	YGF218305	Pinch Roller (F) Ass'y	
28	YGF0031033	Idler Gear Plate (R) Ass'y	
29	YGF0462102	Rack Return Link	
30	YGF062600	Rack Return Link Shaft	
31	YGF218306	Pinch Roller (R) Ass'y	
32	YGF213213	Flywheel Ass'y	
33	YGF0031001	Drive Gear (2)	
34	YEF003753B	Play Idler Gear	
35	YGF014075	Lock Ling	
36	YGF003970	Gear	
37	YGT03250	Gear Shaft	
38	YGF0052446	Idler Gear Plate Spring	
39	YGF0031030	Worm Gear	
40	YGP0FX3846	Loading Motor Ass'y	
41	YGF030102	Worm Gear Stopper	
42	YGF0031026	Drive Gear (3)	
43	YGFA011851	Drive Chassis Ass'y	
44	YGP0PT8927B0	Reel P.C.B. Ass'y	
46	YGF209270	Reel (F) Ass'y	
47	YGF0052473	Pinch Roller Spring	
50	YGF003971	PRO Change Gear	
52	YEF03083	Belt	
54	YGF0031029	Drive Gear	
61	YEJE01004	E-Ring	
62	YEJE01036	E-Ring	
63	XYN2+J6FX	Screw, 2 x 6mm	
64	XYN2+C8FX	Screw, 2 x 8mm	
65	YEJT03167	Screw	
66	YEJS06097A	Screw, 2 x 2.5mm	
67	YEJT03271	Screw	

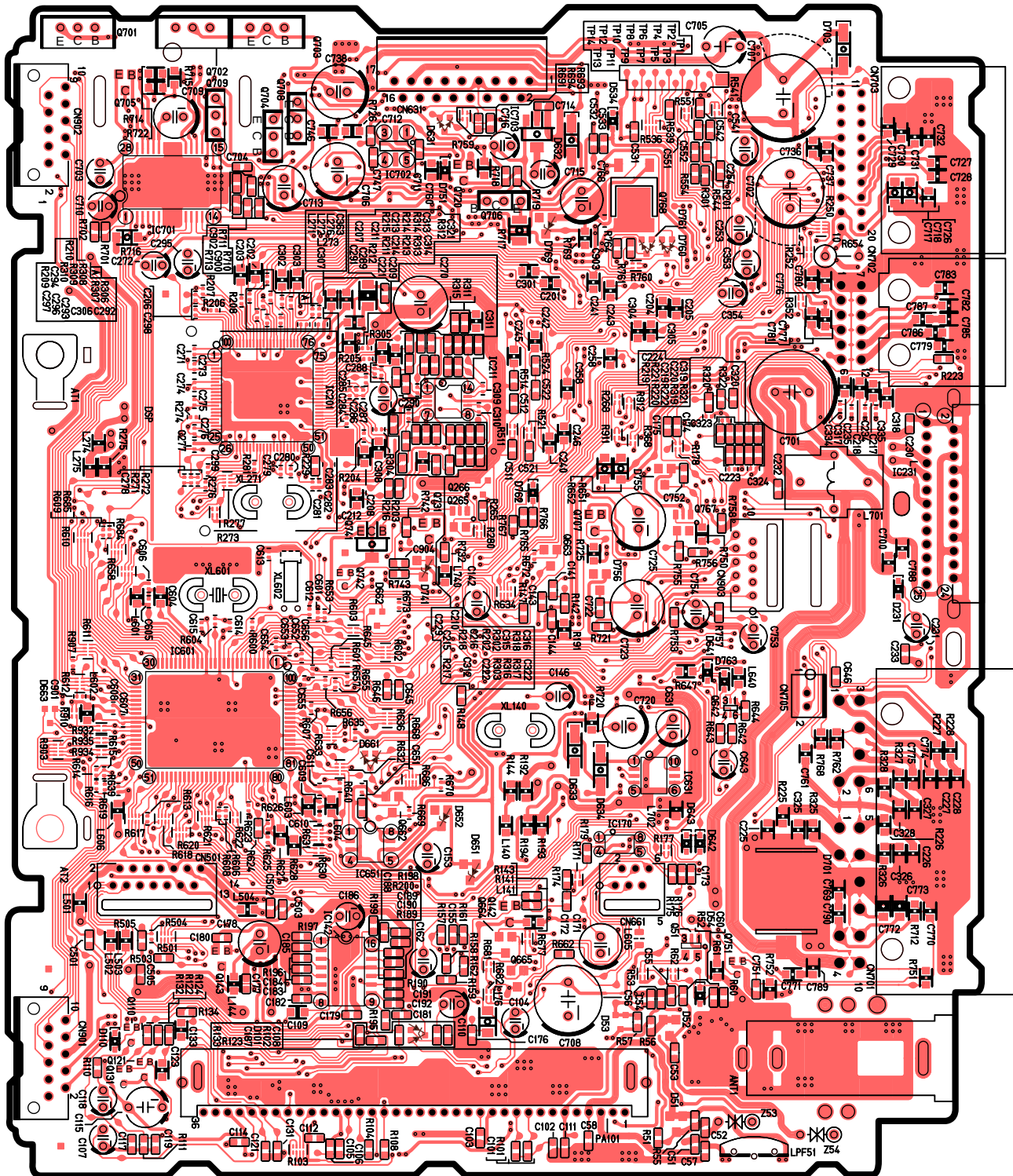
15 EXPLODED VIEW (Tape Deck)



FD04737
2002.10.28

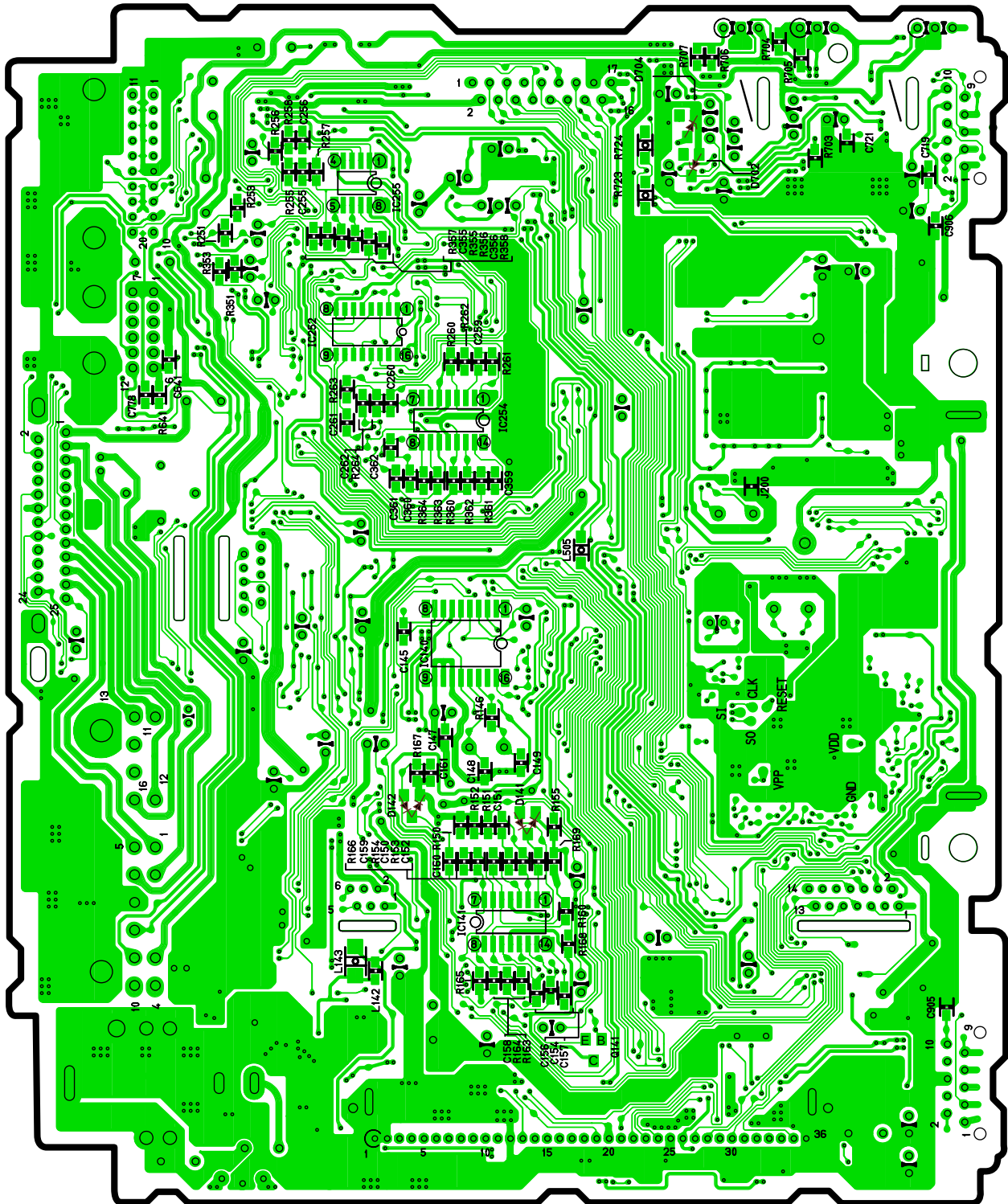
16 WIRING DIAGRAM

16.1. Main Block (Top View)



[E-6891A][Top View]

16.2. Main Block (Bottom View)



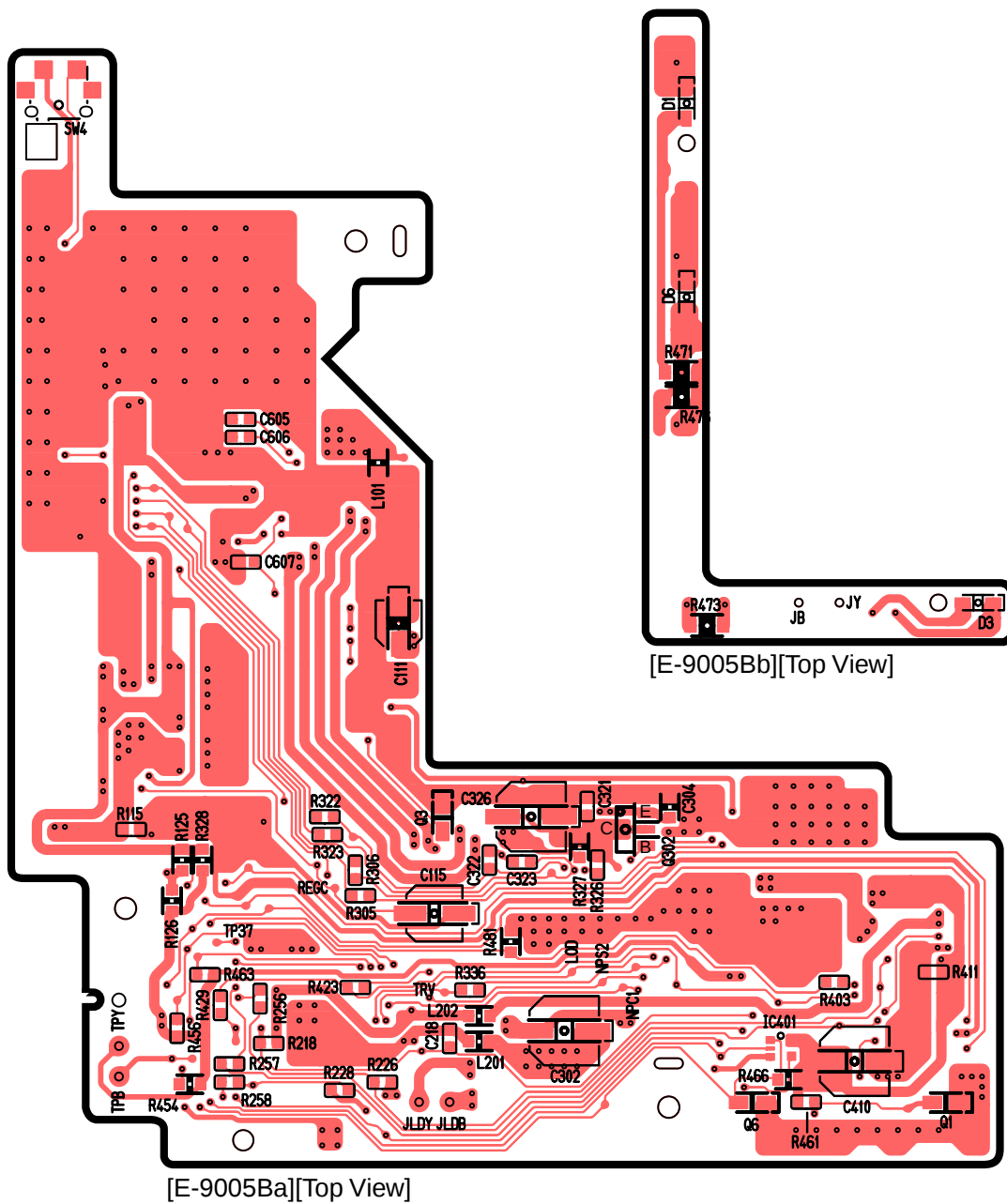
[E-6891A][Bottom View]





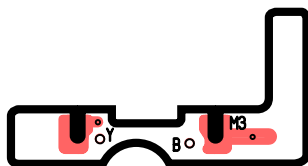
29

16.5. CD Servo Block (Top View)

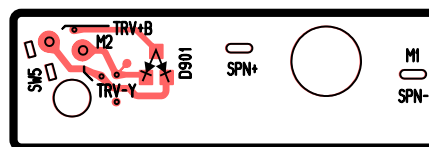


[E-9005Bb][Top View]

[E-9005Ba][Top View]



[E-9005Bd][Top View]

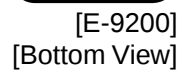
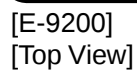


[E-9005Bc][Top View]



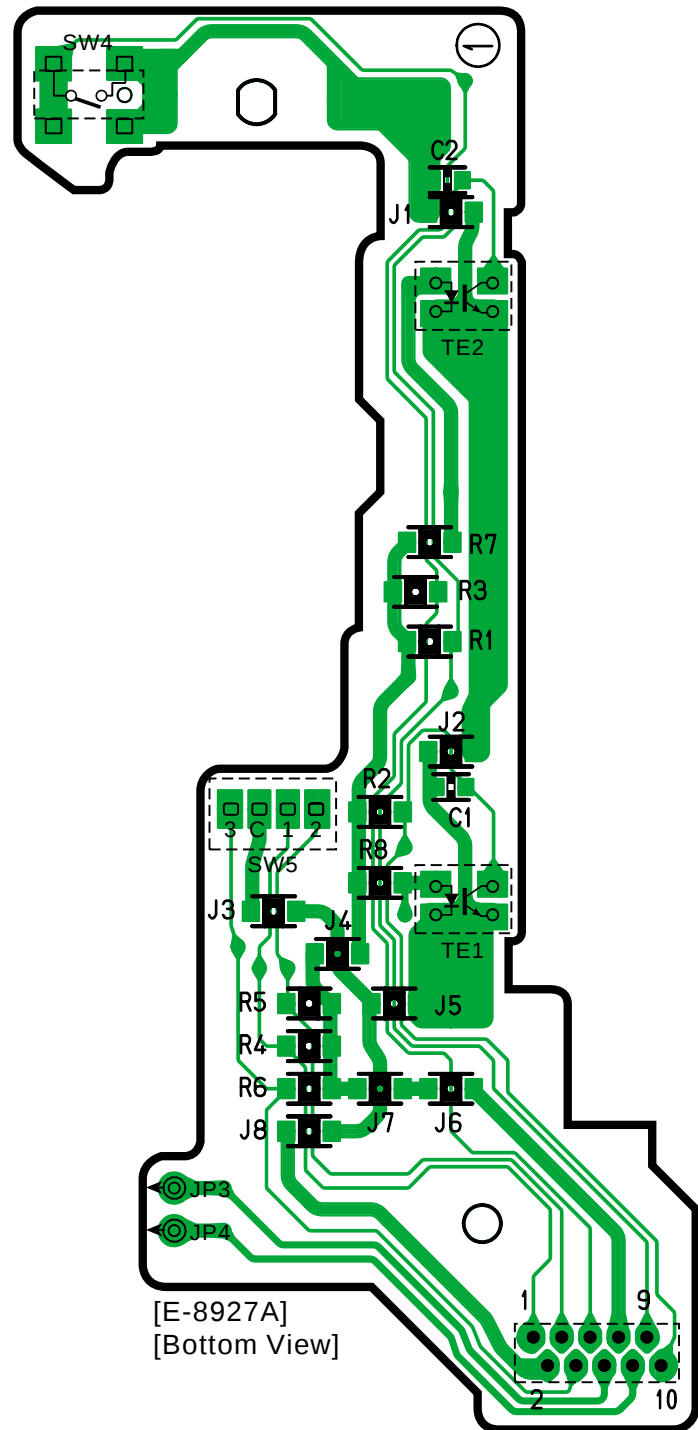
[E-9005Ba][Bottom View]





32

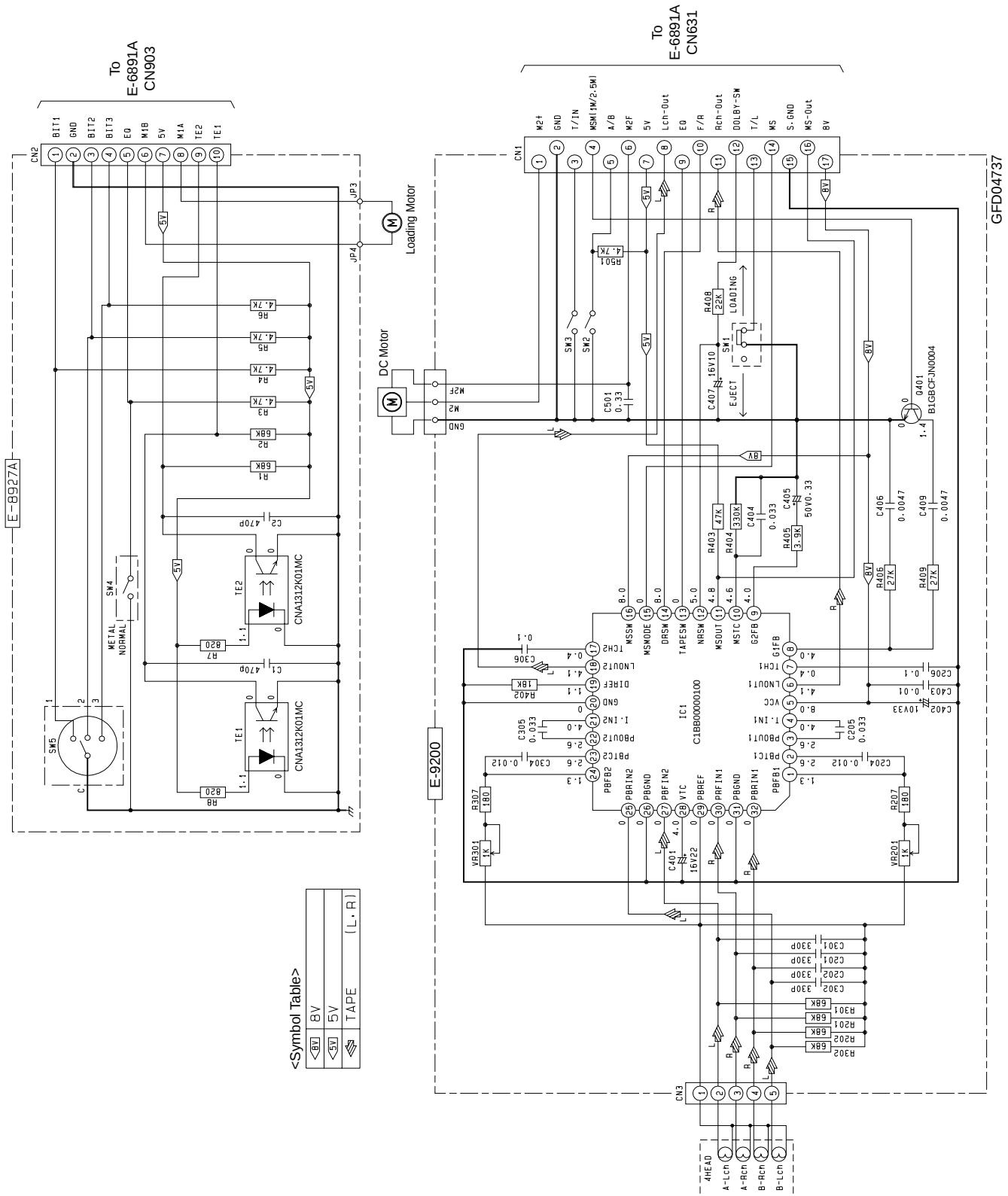
16.8. Tape Block (Reel P.C.B.)



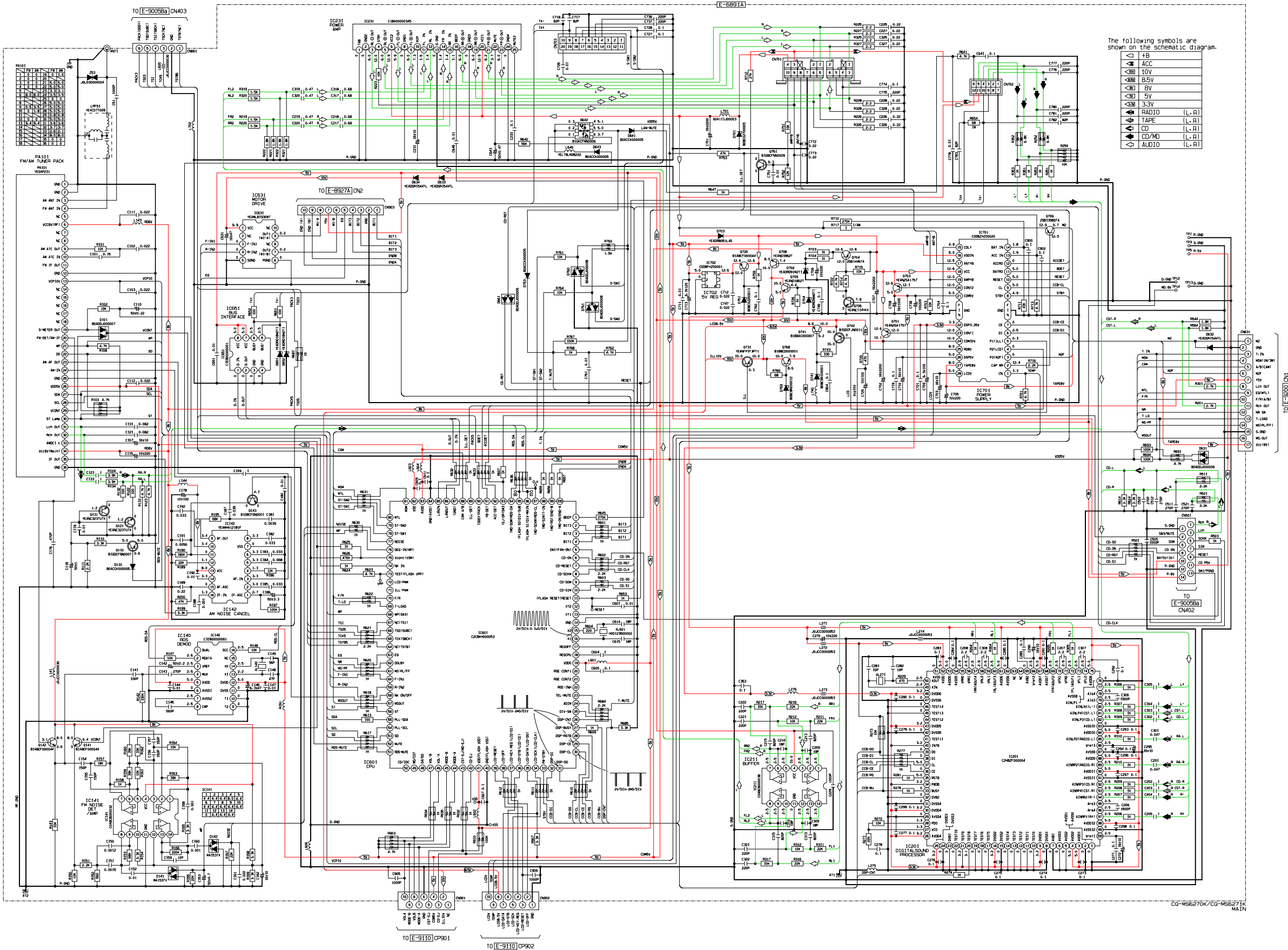
GFD04737 REEL P.C.B

17 SCHEMATIC DIAGRAM-1

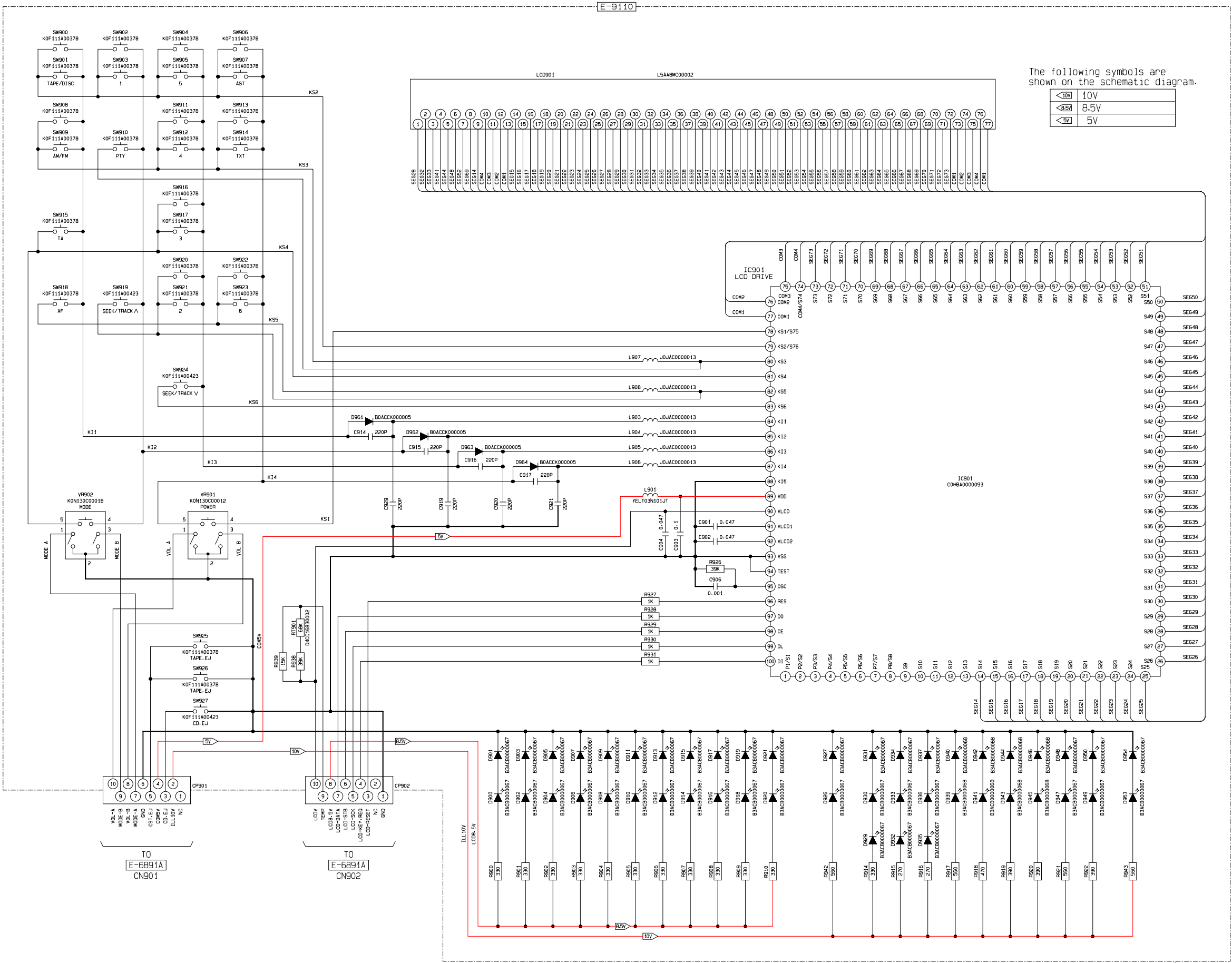
17.1. Tape Block



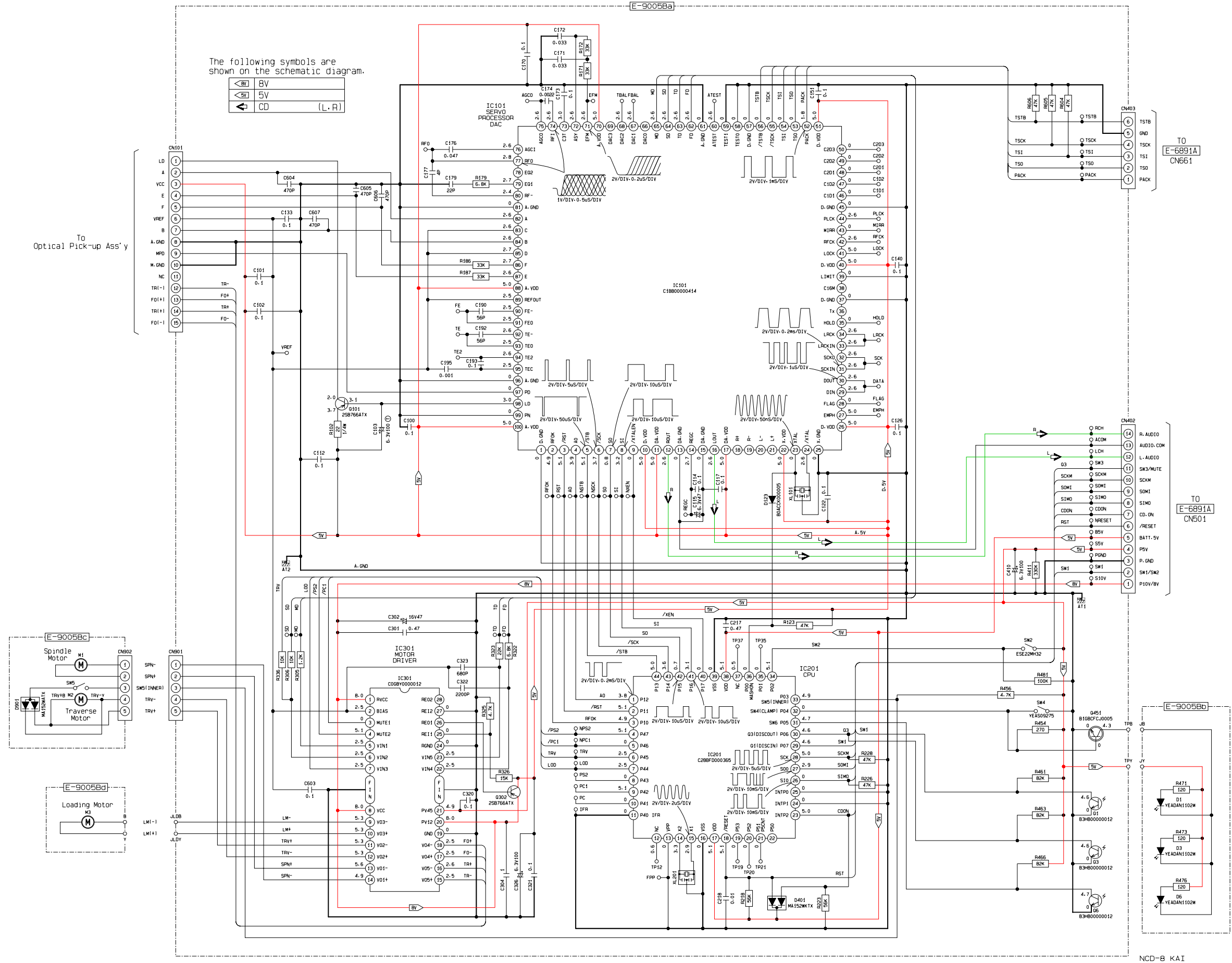
18.1. Main Block



18.2. Display Block



18.3. CD Servo Block



PARTS AVAILABILITY

HOW TO ORDER REPLACEMENT PARTS

Replacement parts can be ordered from either a Parts Depot or directly from Toyota Motor Corporation. When ordering, please refer to the Replacement Parts List in this service manual to insure that you receive the correct part. Please enter not only part number(s) but also unit number of TOYOTA car radio / car stereo in a REMARKS column of the order sheet.

DISPONIBILIDAD DE PARTES DE REPUESTO

METODO DE HACER PEDIDOS DE PARTES DEREPUETO

Partes de repuesto pueden pedirse tanto a un Depósito de Partes de Repuesto (Parts Depot) como directamente a la Toyota Motor Corporation. En hacer los pedidos, refiérase a la Lista de Partes de Repuesto que se encuentra en este manual de servicio a fin de asegurarse de su recibo de las partes correctas. Favor llenar la columna OBSERVACIONES de la hoja de pedido no solamente con el (los) número(s) de part(s) sino también con el número de la unidad de radio/estéreo de carro, TOYOTA.

DISPONIBILITE DE PIECES

MOYEN DE COMMANDER DES PIECES DE RECHANGE.

Les pièces de rechange seront commandées au Dépôt de Pièces (Parts Depot) ou directement à Toyota Motor Corporation. Lors d'une commande, veuillez consulter le Liste de pièces de rechange dans ce manuel d'atelier pour être sûr que vous recevez la pièce exacte. Veuillez écrire non seulement le(s) numéro(s) de pièce mais aussi le numéro d'unité de TOYOTA auto-radio/auto-stéréo dans la colonne REMARQUES du bulletin de commande.

TOYOTA'S COLUMNS

TOYOTA PARTS AND ACCESSORIES ORDER

TO OVERSEAS PARTS DEPARTMENT TOYOTA MOTOR CORPORATION NAGOYA, JAPAN

☐ WEEKLY AIR ORDER

☐ NEW PARTS ORDER FOR MODEL:

☐ OTHERS:

☐ EMERGENCY AIR ORDER

☐ PRINTED MATTER

PAGE NO. _____ OF _____

DATE _____ B O ORDER NO. _____

AIR FREIGHT

TO (PORT) _____

1 CD 3 4 DIST F/D CODE 10 11 ORDER NO 18 19 H/I

D A 5 9

20 ITEM NO 23 24 PART NO 38 39 QTY 44 45 TRF 47 48 LOCATION 55 56 指定 価 格 64 65 引当指示日 70 REMARKS

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86120-32040

U.S.A. PANASONIC PARTS DEPOT

EASTERN REGIONAL PARTS DEPOT
1225 NORTHBROOK PARKWAY SUITE 2-400
SUWANEE, GA 30174
PHONE : (404) 388-6800

WESTERN REGIONAL PARTS DEPOT
20421 84TH AVE. SOUTH
KENT, WA 98032
PHONE : (206)-395-7343

CANADA PANASONIC PARTS DEPOT

TRONTO
PANASONIC CANADA INC.
5770 AMBLER DRIVE, MISSISSAUGA, ONTARIO L4W 2T3
PHONE : (905)-624-5010

EUROPE PANASONIC PARTS DEPOT

HAMBURG
PANASONIC SERVICE DEUTSCHLAND G.M.B.H.
2000 HAMBURG 28 AUSSCHLAGER BILLDEICH 32 F.R. GERMANY
PHONE : (040)-789511

SCANDINAVIA PANASONIC PARTS DEPOT

STOCKHOLM
PANASONIC SERVICE SCANDINAVIAN A.B.
INSTRUMENTVAGEN 29-31, BOX 43047,
100 72 STOCKHOLM, SWEDEN
PHONE : 08-190180

AUSTRALIA PANASONIC PARTS DEPOT

SYDNEY
PANASONIC AUSTRALIA PTY, LTD
1 GARIGAL ROAD, BELROSE, N.S.W. 2085
PHONE : (02)-986-7640

MELBOURNE
PANASONIC AUSTRALIA PTY, LTD
1 CARIBBEAN DRIVE, SCORESBY VIC. 3179
PHONE : (03)-213-8888

ADELAIDE
PANASONIC AUSTRALIA PTY, LTD
125 PORT ROAD, HINDMARSH S.A. 5007
PHONE : (08)-346-3999

BRISBANE
PANASONIC AUSTRALIA PTY, LTD
494 NUDGE ROAD, HENDRA QUEENSLAND. 4012
PHONE : (07)-268-6455

PERTH
PANASONIC AUSTRALIA PTY, LTD
37 KEWDALE ROAD, WELSHPOOL, W.A. 6106
PHONE : (09)-451-7211

OTHER COUNTRIES

Please order from the Overseas Parts Department, Toyota Motor Corporation, using the normal Parts & Accessories Order Form for ordering Automobile parts.

OTROS PAISES

Favor hacer pedidos al Departamento Partes al Ultramar (Overseas parts Department), Toyota Motor Corporation utilizando el formulario normal de pedido de partes y accesorios que se usa para pedir las partes de repuestos de automóviles.

AUTRES PAYS

Veuillez commandes au département de pièces d'outre-mer (Overseas Parts Department), Toyota Motor Corporation, en vous servant du Bulletin de Commande Pièces & Accessoires pour des commandes de pièces d'automobile.

TOYOTA MOTOR CORPORATION

OVERSEAS SERVICE DIVISION

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