

TOYOTA

AUDIO COMPONENT SERVICE MANUAL



CQ-MS0371A

AM/FM/RDS MPX Radio with CD Player

TOYOTA PART No. : 86120-52390

ID CODE : 53807

VEHICLE : Yaris

DESTINATION : Europe

PRODUCED AFTER : Nov., 2002

Specifications*

General

Power Supply	DC 12V (11V - 16V), Test Voltage 13.2V Negative Ground
Current Consumption	Less than 2.5A
Power Output	15W×4 (1kHz, 1%, 4Ω)
LW/MW Radio	
Frequency Range	153 - 279kHz (LW) 522 - 1,611kHz (MW)
Usable Sensitivity	32dB(μV) (S/N 20dB)
Signal Noise Ratio	More than 42dB

FM Stereo Radio	
Frequency Range	87.5 - 108MHz
Usable Sensitivity	6dB(μV) (S/N 30dB)
Signal Noise Ratio	More than 30dB

RDS Radio	
RDS Sensitivity	22dB(μV) (S/N 30dB)

CD Player	
Decoding	16bit (Linear)
Channel Separation	65dB (IHF-A)
Signal Noise Ratio	More than 70dB (IHF-A)

Dimensions**	178×50×165mm (W×H×D)
Weight**	1.6kg

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

** Dimensions and Weight shown are approximate.

PUB. No. 80643

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1 FEATUERS

- PLL (Phase Locked Loop) synthesized tuning.
- 24-station preset (6-AM, 18-FM).
- RDS radio.
- CD changer control function.
- Emergency Eject function.

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.

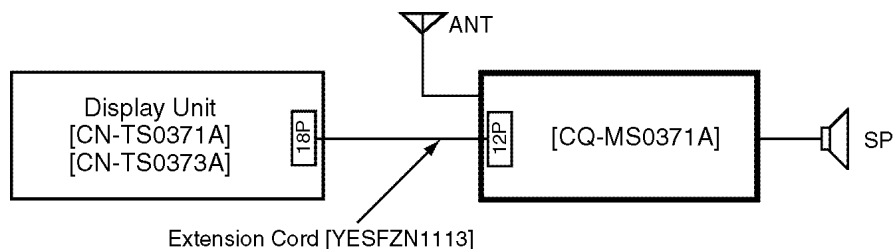
Laser products :

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

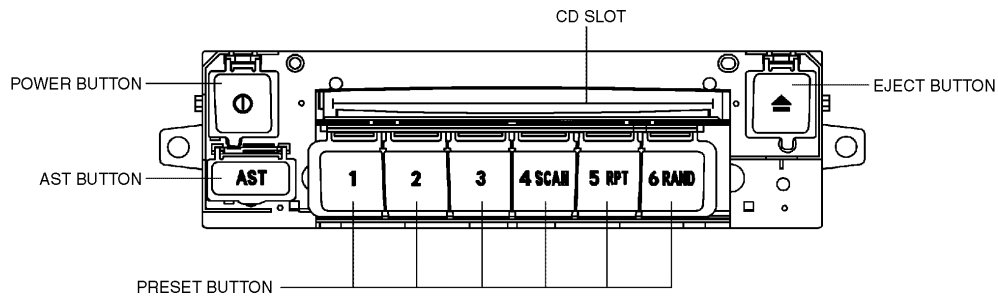
Caution

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.

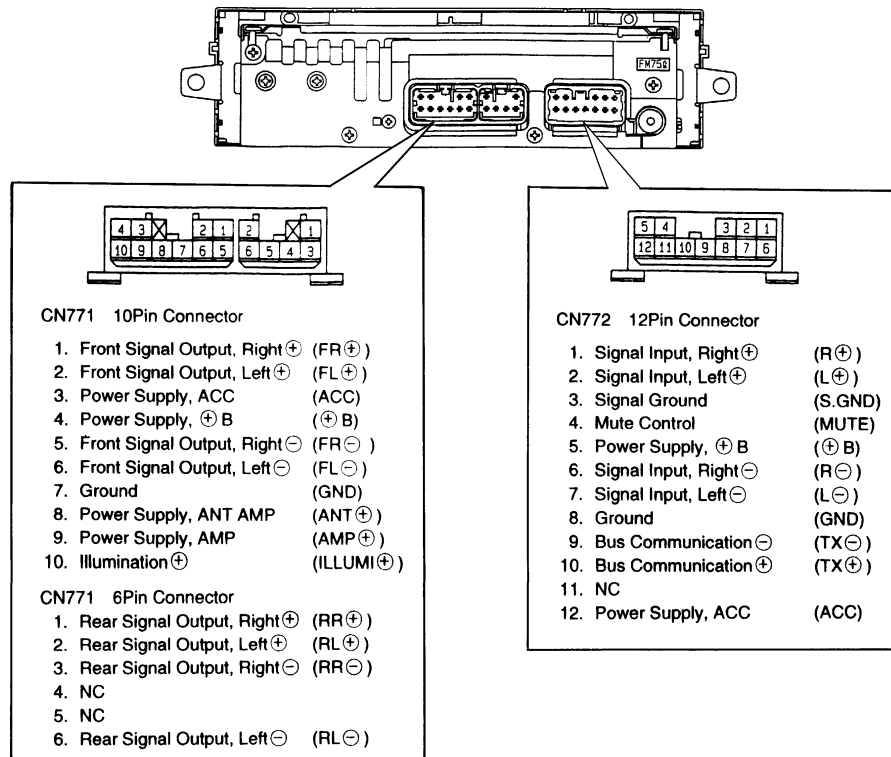
3 SYSTEM BLOCK DIAGRAM



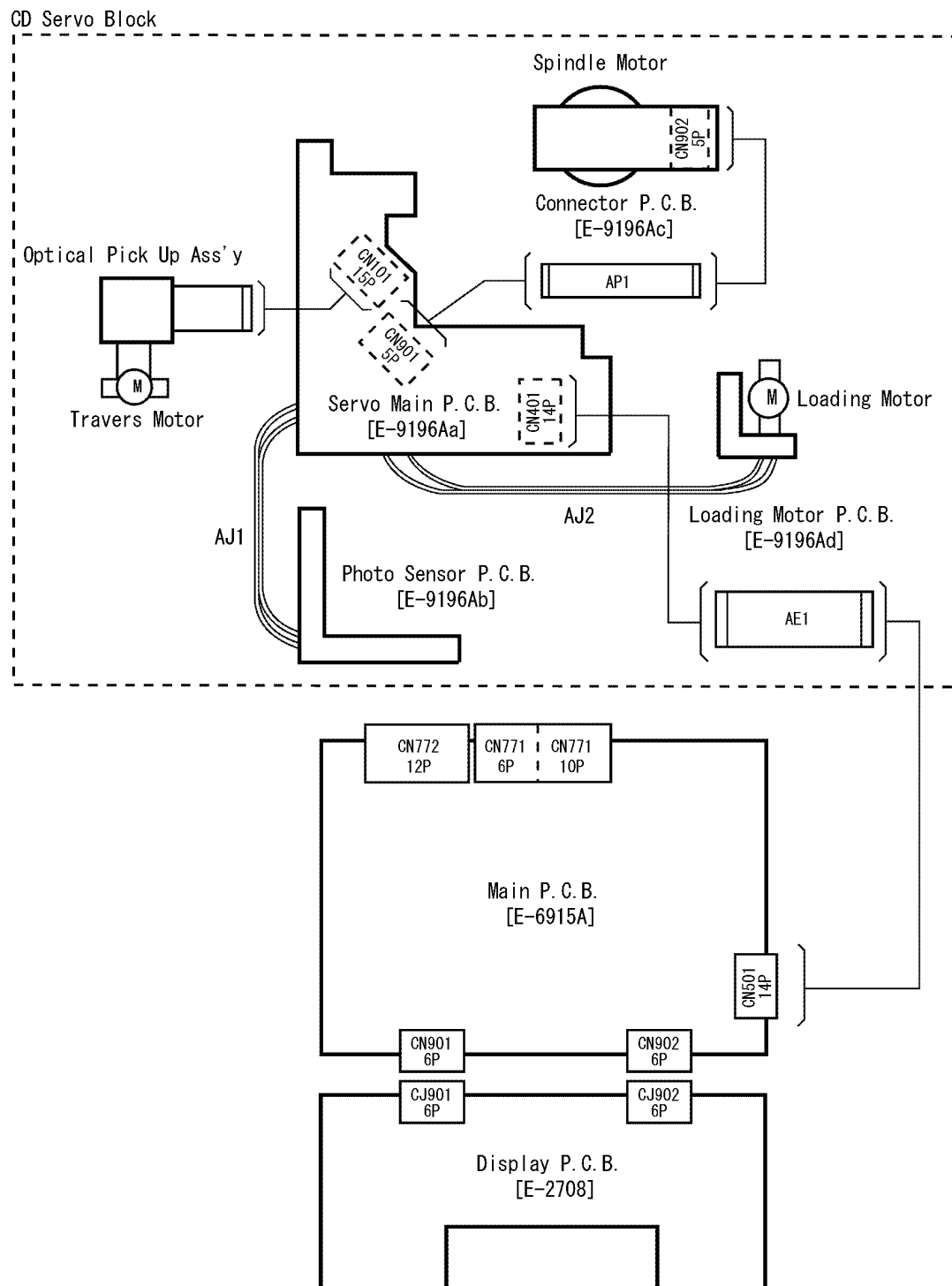
4 FRONT VIEW AND FUNCTIONS



5 REAR VIEW AND CONNECTORS

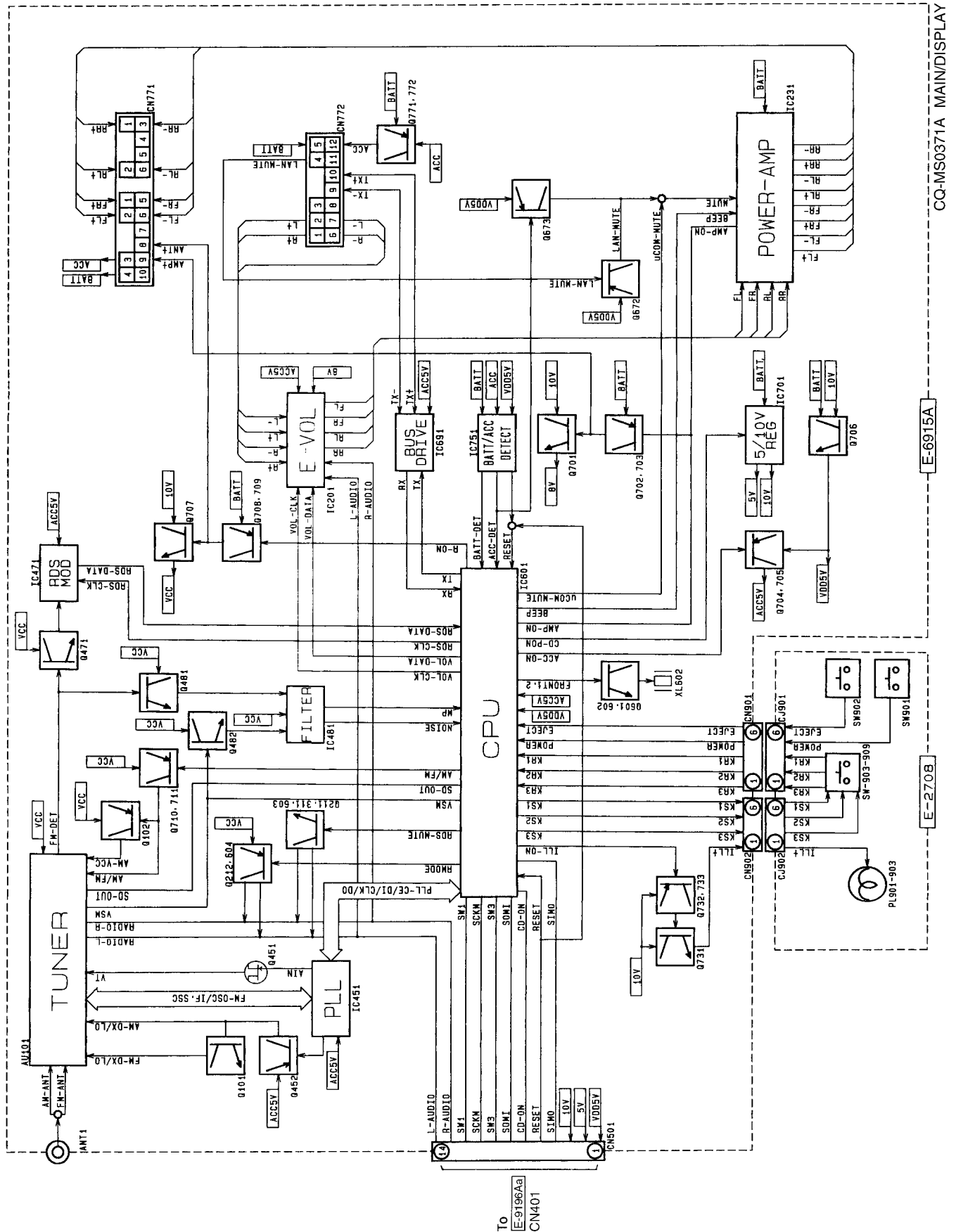


6 WIRING CONNECTION

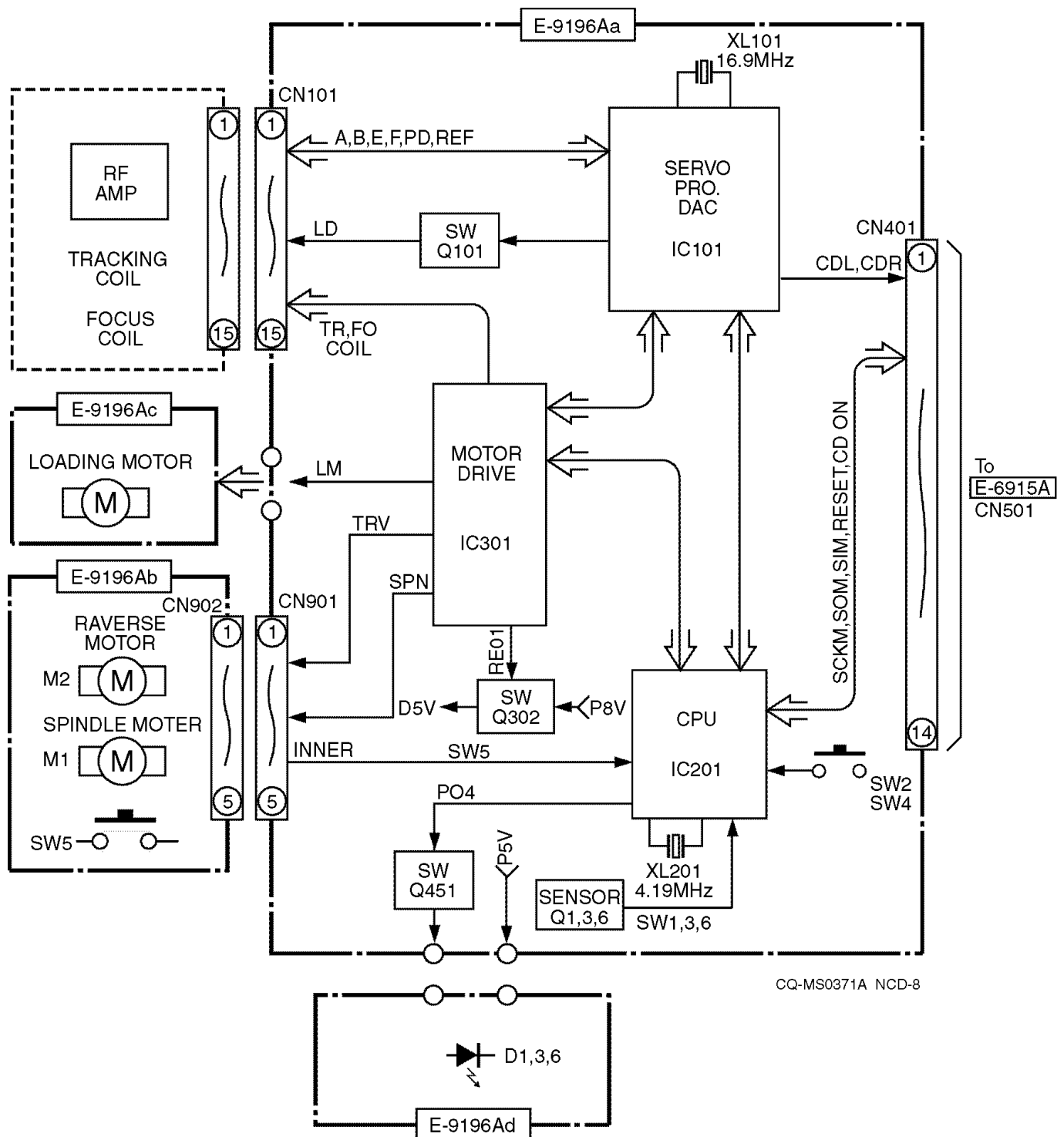


7 BLOCK DIAGRAM

7.1. Main / Display Block



7.2. CD Servo Block



CQ-MS0371A NCD-8

8 TERMINALS DESCRIPTION

8.1. Main Block

IC601 : C2CBHF000054

Pin No.	Port	Description	I/O	(V)
1	MUTE	Audio mute	O	0
2	ILL-ON	Illumi. power control	O	5
3	ACC-ON	ACC power control	O	5
4	AMP-ON	AMP power control	O	5
5	CD.P.ON	CD power control	O	5
6	CD-RESET	CD reset	O	5
7	CD-ON	CD ON signal	O	5
8	CD-SCKM	Data shift clock	O	5
9	CD-SOM	Serial data input	I	3.5
10	CD-SIM	Serial data output	O	3.6
11	RESET	System reset	I	4.7
12	XT2	Crystal oscillator	I	3.1
13	XT1	Crystal oscillator	O	2.8
14	VSS	Ground	-	0
15	X2	Crystal oscillator	I	3.2
16	X1	Crystal oscillator	O	3
17	REGOFF	(Connecting to VDD)	-	5
18	REGC	(Connecting to VDD)	-	5
19	VDD	+5V power supply	-	5
20	FCONT2	Frequency control	O	5
21	FCONT1	Frequency control	O	0
22	(NC)	No connection	-	-
23	(NC)	No connection	-	-
24	(NC)	No connection	-	-
25	(NC)	No connection	-	-
26	(NC)	No connection	-	-
27	(NC)	No connection	-	-
28	(NC)	No connection	-	-
29	(NC)	No connection	-	-
30	SW1	Disc in SW	O	4.8
31	SW3	Disc out SW	O	4.8
32	LCD-CE	Not used	-	-
33	LCD-CLK	Not used	-	-
34	LCD-DI	Not used	-	-
35	LCD-DO	Not used	-	-
36	(NC)	No connection	-	-
37	(NC)	-	-	-
38	SEEK-SD/VC	(Connecting to GND)	-	0
39	IF	(Connecting to GND)	-	0
40	VSS	Ground	-	0
41	VDD	+5V power supply	-	5
42	(NC)	No connection	-	-
43	KS4	Not used	-	-
44	KS3	Key scan signal	O	2.1
45	KS2	Key scan signal	O	2.2
46	KS1	Key scan signal	O	2.2
47	(NC)	No connection	-	-
48	KR3	Key return signal	I	0
49	KR2	Key return signal	I	0
50	KR1	Key return signal	I	0
51	(NC)	No connection	-	-
52	POWER	Power SW	I	5
53	(NC)	No connection	-	-
54	PLL-DO	PLL data input	I	2.5
55	PLL-CLK	PLL clock	O	0
56	PLL-DI	PLL data output	O	0
57	PLL-CE	PLL chip enabl	O	0
58	(NC)	No connection	-	-
59	(NC)	No connection	-	-
60	(NC)	No connection	-	-
61	(NC)	No connection	-	-

Pin No.	Port	Description	I/O	(V)
62	(NC)	No connection	-	-
63	(NC)	No connection	-	-
64	(NC)	No connection	-	-
65	RDS-CLK	RDS clock	O	3.2
66	RDS-DATA	RDS data	I	3.5
67	(NC)	No connection	-	-
68	RMODE	Radio mode selection	O	5
69	SD.ST	B/S detection	I	5
70	(NC)	No connection	-	-
71	(NC)	No connection	-	-
72	(NC)	No connection	-	-
73	TESTMODE	(Connecting to GND)	-	0
74	VSM	Radio signal strength	I	0
75	MP		I	0
76	NOISE	Noise level detection	I	0.6
77	(NC)	No connection	-	-
78	RDS-MUTE	RDS mute	O	0
79	TEST	(VDD pull-up)	I	5
80	VOL CLK	Electronic volume clock	O	0
81	VOL DATA	Electronic volume data	O	0
82	AVDD	Analog power supply	-	5
83	AVREF1	Analog reference voltage	-	5
84	AVSS	Ground	-	0
85	RX	AVC-LAN data	I	0
86	TX	AVC-LAN data	O	0
87	(NC)	No connection	-	0
88	(NC)	No connection	-	0
89	(NC)	(Connecting to VDD)	-	5
90	+B DET	Battery level detection	I	5
91	(NC)	(Connecting to VDD)	-	6.5
92	ACC-DET	ACC level detection	I	5
93	EJECT	CD eject SW	I	5
94	(NC)	(Connecting to VDD)	-	5
95	(NC)	No connection	-	-
96	FM/AM	AM/FM mode selection	O	5
97	R.ON	Radio power on	O	5
98	(NC)	No connection	-	-
99	BEEP	Beep sound	I	0
100	(NC)	No connection	-	-

8.2. CD Servo Block

IC101 : C1BB00000414

Pin No.	Port	Description	I/O	(V)
1	D.GND	Digital GND	-	0
2	RFOK	RFOK signal	O	4.9
3	/RST	Reset	I	5.1
4	A0	Command/parameter identification	I	3.9
5	/STB	Data strobing	I	5.1
6	/SCK	Clock signal	I	3.7
7	SO	Serial data output	O	0.8
8	SI	Serial data input	I	3.2
9	/XTALEN	Crystal oscillator control	I	0
10	D.VDD	Digital VDD	-	5
11	DA.VDD	DA converter VDD	-	5
12	ROUT	Rch audio output	AO	2.6
13	DA.GND	DA converter GND	-	0
14	REGC	External capacitor for SCF regulator	A-	2.7
15	DA.GND	DA converter GND	-	0
16	LOUT	Lch audio output	AO	2.6
17	DA.DVV	DA converter VDD	-	5
18	R+	Rch+ PWM output	O	-
19	R-	Rch- PWM output	O	-
20	L-	Lch- PWM output	O	-
21	L+	Lch+ PWM output	O	-
22	X.VDD	Crystal oscillator VDD	-	5
23	/XTAL	Crystal oscillator	O	0
24	XTAL	Crystal oscillator	I	2.6
25	X.GND	Crystal oscillator GND	-	0
26	D.VDD	Digital VDD	-	5
27	EMPH	Preemphasis information	O	5
28	FLAG	Flag output	O	0
29	DIN	Serial data input	I	2.6
30	DOUT	Cereal audio data output	O	2.6
31	SCKIN	Cereal clock input	I	2.6
32	SCKO	-	O	2.6
33	LRCKIN	LRCK signal	I	2.6
34	LRCK	LR identification	O	2.6
35	HOLD/WDCK	-	O	0
36	TX	-	-	-
37	D.GND	Digital GND	-	0
38	C16M	-	-	-
39	LIMIT	-	I	0
40	D.VDD	Digital VDD	-	5
41	LOCK	EFM synchronous detection	O	5
42	RFCK	Frame synchronization	O	2.6
43	MIRR/WFCK	-	O	0
44	PLCK	Bit clock monitor	O	2.6
45	D.GND	Digital GND	-	0
46	C1D1	C1 error correction	O	0
47	C1D2	C1 error correction	O	0
48	C2D1	C2 error correction	O	0
49	C2D2	C2 error correction	O	0
50	C2D3	C2 error correction	O	0
51	D.VDD	Digital VDD	-	5
52	PACK	PAC synchronization of CD-TEXT	O	1.8
53	TSO	Serial output of CD-TEXT	O	0
54	TSI	Serial input of CD-TEXT	I	0
55	/TSCK	Cereal clock input of CD-TEXT	I	0
56	TSTB	Parameter strobing signal of CD-TEXT	I	0
57	D.GND	Digital GND	-	0
58	TEST0	Test	I	0
59	TEST1	Test	I	0
60	ATEST	Test	AO	0

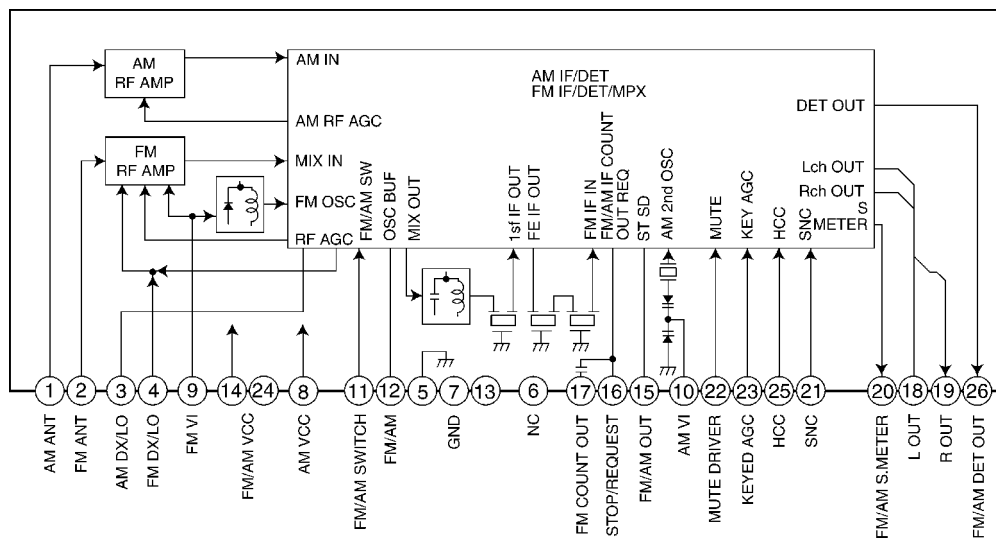
Pin No.	Port	Description	I/O	(V)
61	A.GND	Analog GND	-	2.6
62	FD	Foci drive	AO	0
63	TD	Tracking drive	AO	2.6
64	SD	Thread drive	AO	2.6
65	MD	Spindle drive	AO	2.6
66	DAC0	-	-	-
67	DAC1	-	AO	2.6
68	DAC2	-	AO	2.6
69	DAC3	-	-	-
70	A.VDD	Analog +5V Power Supply	-	5
71	EFM	E FM signal output	O	2.6
72	ASY	Reference voltage input of EFM comparator	AI	2.6
73	C3T	For 3T detection	A-	3
74	RFI	RF signal for EFM data generation	AI	2.6
75	AGCO	RF signal output after gain adjusted	AO	2.6
76	AGCI	RF-AGC amplifier input	AI	2.6
77	RFO	RF Samingamp output	AO	2.8
78	EQ2	-	-	-
79	EQ1	Equalizer connection of RF amplifier	A-	2.7
80	RF-	RF Samingamp reversing input	AI	2.4
81	A.GND	Analog GND	-	0
82	A	Photodetector A input	AI	2.6
83	C	Photodetector C input	AI	2.6
84	B	Photodetector B input	AI	2.6
85	D	Photodetector D input	AI	2.7
86	F	Photodetector F input	AI	2.7
87	E	Photodetector E input	AI	2.6
88	A.VDD	Analog VDD	-	5
89	REFOUT	Reference potential output	AO	2.5
90	FE-	Focus error amplifier reversing input	AI	2.5
91	FEO	Focus error amplifier output	AO	2.5
92	TE-	Tracking error amplifier reversing input	AI	2.6
93	TEO	Tracking error amplifier output	AO	2.5
94	TE2	Tracking error output after it amplifies	AO	2.6
95	TEC	Tracking comparator input	AI	2.5
96	A.GND	Analog GND	-	0
97	PD	PD detection signal input	AI	0
98	LD	LD controlling current output	AO	3
99	PN	APC control electrode setting	I	0
100	A.VDD	Analog VDD	-	5

IC201 : C2BBFD000403

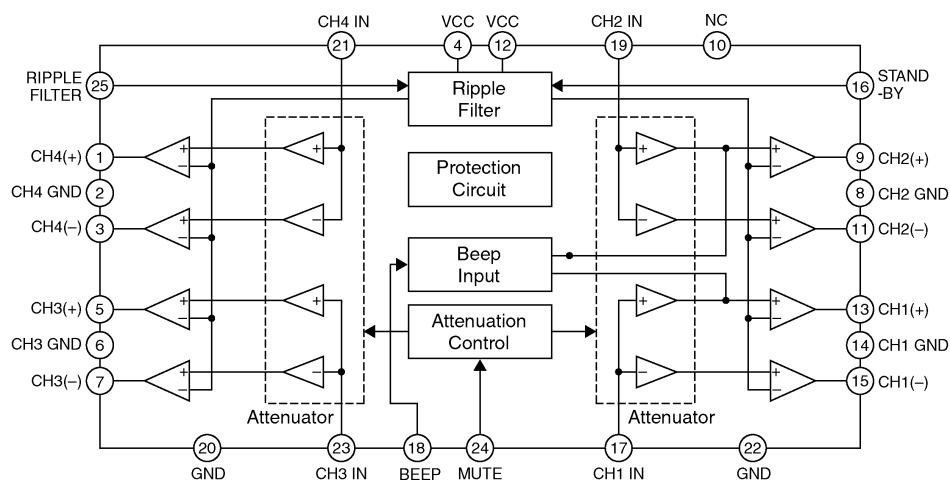
Pin No.	Port	Description	I/O	(V)
1	A0	Address output	O	3.8
2	/RST	Reset	O	5.1
3	RFOK	RFOK signal	I	4.9
4	/PS2	IC301 mute	O	5.1
5	/PC1	IC301 mute	O	0
6	TRV	Traverse motor control	O	2.5
7	LOD	Loading motor control	O	2.5
8	PS2	Connected test pin (PS2)	-	0
9	PC1	Connected test pin (PC1)	-	5.1
10	PC	Connected test pin (PC)	-	0
11	IFR	Connected GND	-	0
12	NC	Connected test pin (TP12)	-	0.6
13	VPP	Connected GND	-	0
14	X2	Crystal oscillator	-	3.3
15	X1	Crystal oscillator	-	2.9
16	VSS	GND	-	0
17	VDD	+5V power supply	-	5.1
18	/RESET	Reset input	I	5.1
19	TP19	Connected test pin (TP19)	-	0
20	TP20	Connected test pin (TP20)	-	0
21	TP21	Connected test pin (TP21)	-	0
22	AMUTE(NC)	-	-	-
23	CDON	CD power supply ON	I	5.0
24	INTP1	Connected GND	-	0
25	INTP0	Connected GND	-	0
26	SIMO	Serial data output	I	0
27	SOMI	Serial data input	O	2.9
28	SCKM	Shift clock (Serial data)	I	5.0
29	Q1 SW1	Disk insertion sensor signal	I	4.6
30	Q3 SW3	Disk preseting sensor signal	I	4.6
31	Q6 SW6	Preliminary sensor	I	4.7
32	SW4	Disk clamp	I	0
33	SW5	Inner SW	I	4.9
34	SW2	Feeder Arm	I	5.1
35	TP35	Connected test pin (TP35)	-	0
36	TP36	-	-	0
37	TP37	Connected test pin (TP37)	-	0.5
38	VDD	+5V power supply	-	5.1
39	VSS	GND	-	0
40	/XEN	XEN signal	O	0
41	SI	Serial data input	O	3.1
42	SO	Serial data output	I	0.7
43	/SCK	Shift clock	O	3.6
44	/STB	Strobing	O	5.0

9 PACKAGE AND IC BLOCK DIAGRAM

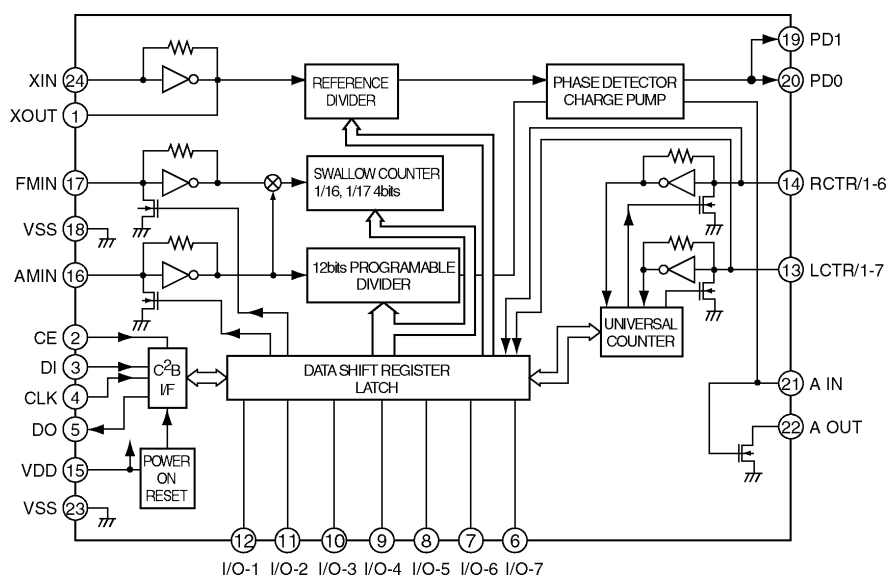
9.1. Main Block



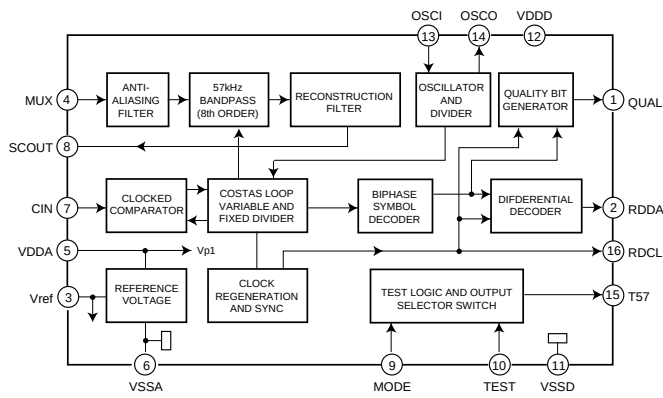
AU101 : J3CCBC000004



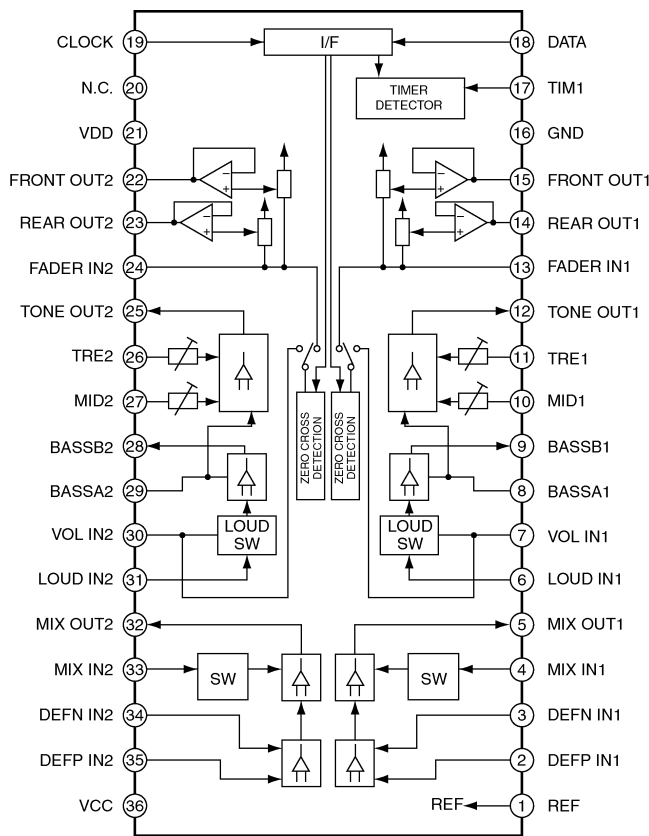
IC231 : AN7550NZAWLB



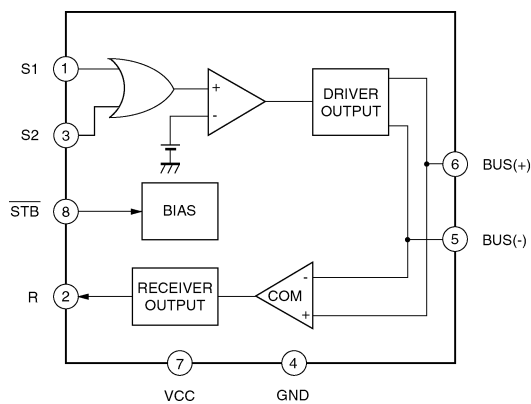
IC451 : C1BB00000644



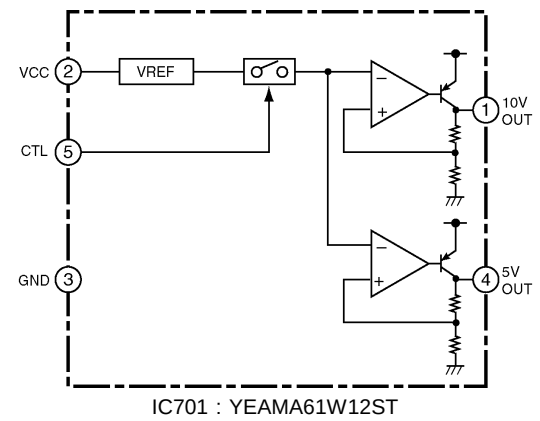
IC471 : YEAMSA6579



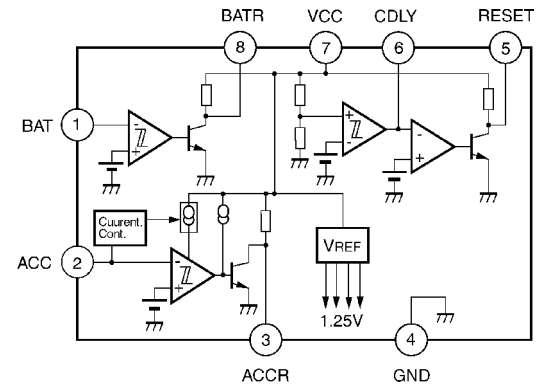
IC201 : YEAMM62435FA



IC691 : YEAMH12187ER

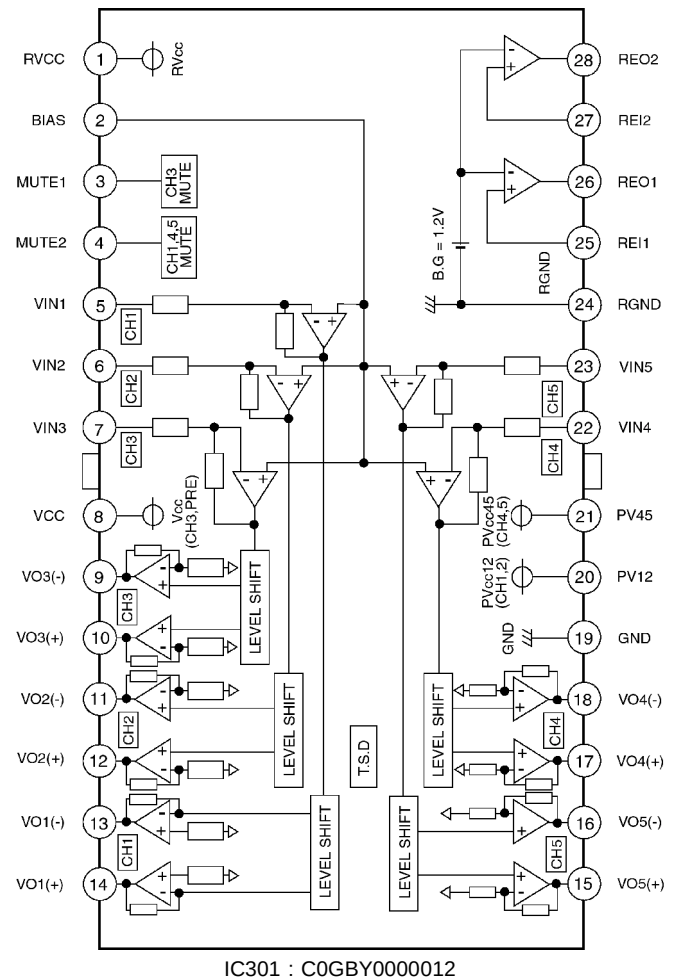


IC701 : YEAMA61W12ST



IC751 : AN8065SE1

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.

Ref. No.	Part No.	Part Name & Description	Remarks
[E6915A] Main Block			
IC's and TRANSISTORS			
AU101	J3CCBC000004	Electronic Tuner	
IC201	YEAMM62435FA	IC	
IC231	AN7550NZAWLB	IC	
IC451	C1BB00000644	IC	
IC471	YEAMSA6579	IC	
IC481	C0ABCB000032	IC	
IC601	C2CBHF000054	IC	
IC691	YEAMH12187ER	IC	
IC701	YEAMA61W12ST	IC	
IC751	AN8065SE1	IC	
Q101	B1GBCFNN0004	Transistor	
Q102	B1GDCFJN0004	Transistor	
Q211	B1GBHBEA0004	Transistor	
Q212	B1GDCFNN0002	Transistor	
Q311	B1GBHBEA0004	Transistor	
Q451	YEAN2SK536TB	Transistor	
Q452	B1GDCFNN0002	Transistor	
Q471	B1ABCF000044	Transistor	
Q481	B1ABCF000044	Transistor	
Q482	B1ABCF000044	Transistor	
Q601	2SD1328STTX	Transistor	
Q602	2SD1328STTX	Transistor	
Q603	B1GDCFNN0002	Transistor	
Q604	B1GBCFNN0004	Transistor	
Q672	B1GDCFNN0001	Transistor	
Q673	B1GDCFNN0002	Transistor	
Q701	YEAND1862T	Transistor	
Q702	YEANFP1F3PT1	Transistor	
Q703	YEANC114YKX	Transistor	
Q704	YEANFP1F3PT1	Transistor	
Q705	YEANC114YKX	Transistor	
Q706	B1BBAC000007	Transistor	
Q707	YEAND1862T	Transistor	
Q708	2SB1446TA	Transistor	
Q709	YEANC114YKX	Transistor	
Q710	YEANFP1F3PT1	Transistor	
Q711	YEANC114YKX	Transistor	
Q731	YEAND1862T	Transistor	
Q732	YEANC114YKX	Transistor	
Q733	B1GDCFNN0001	Transistor	
Q771	2SB1398QTA	Transistor	
Q772	YEANC114YKX	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
DIODES			
D101	B0ACCK000005	Diode	
D201	MA165TA	Diode	
D231	B0EANP000001	Diode	
D251	YEADRD39M2T2	Diode	
D301	MA165TA	Diode	
D481	MA153TX	Diode	
D482	MA153TX	Diode	
D501	MA152WATX	Diode	
D601	B0ACCK000005	Diode	
D672	B0ACCK000005	Diode	
D673	B0ACCK000005	Diode	
D674	B0ACCK000005	Diode	
D675	B0ACCK000005	Diode	
D691	YEADRD56M2T1	Diode	
D692	YEADRD56M2T1	Diode	
D701	YEADRB051L40	Diode	
D731	MA4075HTA	Diode	
D732	MA4091L	Diode	
D733	MA4091L	Diode	
D734	B0ACCK000005	Diode	
D735	MA165TA	Diode	
D736	YEADRD56M2T1	Diode	
D771	MAZ40820MF	Diode	
Thermistor Varistor			
R23	D4DA94R70006	Thermistor Varistor	
CAPACITORS			
C51	YECUS1H102KX	Ceramic, 1000PF 50WV	
C101	YECUS1H103KX	Ceramic, 0.01μF 50WV	
C102	ECEA1AKA101I	Electrolytic, 100μF 10WV	
C103	YECUS1H103KX	Ceramic, 0.01μF 50WV	
C104	YECUS1H103KX	Ceramic, 0.01μF 50WV	
C105	YECUS1C563KX	Ceramic, 0.056μF 16WV	
C106	YECUS1C563KX	Ceramic, 0.056μF 16WV	
C107	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C109	ECEA1AKS221I	Electrolytic, 220μF 10WV	
C110	YECUS1H271JM	Ceramic, 270PF 50WV	
C121	ECEA1HKA010I	Electrolytic, 1μF 50WV	
C123	ECEA1AKA220I	Electrolytic, 22μF 10WV	
C131	ECEA1HKA010I	Electrolytic, 1μF 50WV	
C201	YECUS1A105KX	Ceramic, 1μF 10WV	
C202	YECUS1H103KX	Ceramic, 0.01μF 50WV	
C203	YECUS1C683KX	Ceramic, 0.068μF 16WV	
C204	YECUS1C683KX	Ceramic, 0.068μF 16WV	
C205	YECUS1C154KX	Ceramic, 0.15μF 16WV	
C206	YECUS1H561KX	Ceramic, 560PF 50WV	
C207	YECUS1A105KX	Ceramic, 1μF 10WV	
C208	YECUS1E473KX	Ceramic, 0.047μF 25WV	
C211	ECEA1HKS010I	Electrolytic, 1μF 50WV	
C212	ECEA1HKA010I	Electrolytic, 1μF 50WV	
C213	YECUS1H103KX	Ceramic, 0.01μF 50WV	
C214	ECEA1HKS010I	Electrolytic, 1μF 50WV	
C215	YECUS1H122KX	Ceramic, 1200PF 50WV	
C216	YECUS1H122KX	Ceramic, 1200PF 50WV	
C217	ECEA1HKA010I	Electrolytic, 1μF 50WV	
C218	ECEA1HKA010I	Electrolytic, 1μF 50WV	
C221	YECUS1A105KX	Ceramic, 1μF 10WV	
C222	YECUS1A105KX	Ceramic, 1μF 10WV	
C231	YECUV1C224KX	Ceramic, 0.22μF 16WV	
C232	YECUV1C224KX	Ceramic, 0.22μF 16WV	
C233	YECUV1C224KX	Ceramic, 0.22μF 16WV	
C234	YECUV1C224KX	Ceramic, 0.22μF 16WV	
C235	ECEA1HKA010I	Electrolytic, 1μF 50WV	
C236	ECEA1CKA330I	Electrolytic, 33μF 16WV	
C237	ECA1CGE222L	Electrolytic, 2200μF 16WV	
C251	YECUS1H103KX	Ceramic, 0.01μF 50WV	
C253	YECUS1H103KX	Ceramic, 0.01μF 50WV	
C254	ECEA1CKA101	Electrolytic, 100μF 16WV	
C255	ECEA0JKA101I	Electrolytic, 100μF 6.3WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C256	YECUS1H103KX	Ceramic, 0.01μF 50WV	
C301	YECUS1A105KX	Ceramic, 1μF 10WV	
C302	YECUS1H103KX	Ceramic, 0.01μF 50WV	
C303	YECUS1C683KX	Ceramic, 0.068μF 16WV	
C304	YECUS1C683KX	Ceramic, 0.068μF 16WV	
C305	YECUS1C154KX	Ceramic, 0.15μF 16WV	
C306	YECUS1H561KX	Ceramic, 560PF 50WV	
C307	YECUS1A105KX	Ceramic, 1μF 10WV	
C311	ECEA1HKS010I	Electrolytic, 1μF 50WV	
C312	ECEA1HKA010I	Electrolytic, 1μF 50WV	
C314	ECEA1HKS010I	Electrolytic, 1μF 50WV	
C315	YECUS1H122KX	Ceramic, 1200PF 50WV	
C316	YECUS1H122KX	Ceramic, 1200PF 50WV	
C317	ECEA1HKA010I	Electrolytic, 1μF 50WV	
C318	ECEA1HKA010I	Electrolytic, 1μF 50WV	
C321	YECUS1A105KX	Ceramic, 1μF 10WV	
C322	YECUS1A105KX	Ceramic, 1μF 10WV	
C331	YECUV1C224KX	Ceramic, 0.22μF 16WV	
C332	YECUV1C224KX	Ceramic, 0.22μF 16WV	
C333	YECUV1C224KX	Ceramic, 0.22μF 16WV	
C334	YECUV1C224KX	Ceramic, 0.22μF 16WV	
C453	YECUV1H101JM	Ceramic, 100PF 50WV	
C454	YECUV1H101JM	Ceramic, 100PF 50WV	
C455	YECUS1H180JC	Ceramic, 18PF 50WV	
C456	YECUS1H180JC	Ceramic, 18PF 50WV	
C458	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C459	ECEA1AKA221I	Electrolytic, 220μF 10WV	
C460	ECEA1AKS221I	Electrolytic, 220μF 10WV	
C461	YECUS1H103KX	Ceramic, 0.01μF 50WV	
C462	YECUS1H822KX	Ceramic, 8200PF 50WV	
C463	ECQV1H683B46	Plastic Film, 0.068μF 50WV	
C471	YECUS1H820JM	Ceramic, 82PF 50WV	
C472	YECUS1H470JC	Ceramic, 47PF 50WV	
C473	ECEA1AKS220I	Electrolytic, 22μF 10WV	
C475	ECEA1HKS2R2I	Electrolytic, 2.2μF 50WV	
C476	YECUS1H271JM	Ceramic, 270PF 50WV	
C477	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C478	YECUS1H561KX	Ceramic, 560PF 50WV	
C479	YECUS1H331JM	Ceramic, 330PF 50WV	
C481	YECUS1H151JM	Ceramic, 150PF 50WV	
C482	YECUS1H151JM	Ceramic, 150PF 50WV	
C483	YECUS1H151JM	Ceramic, 150PF 50WV	
C484	YECUS1H151JM	Ceramic, 150PF 50WV	
C485	YECUV2A102KX	Ceramic, 1000PF 100WV	
C486	YECUS1H122KX	Ceramic, 1200PF 50WV	
C487	YECUS1H152KX	Ceramic, 1500PF 50WV	
C488	YECUV2A103KX	Ceramic, 0.01μF 100WV	
C489	YECUS1H100CC	Ceramic, 10PF 50WV	
C490	YECUS1H102KX	Ceramic, 1000PF 50WV	
C491	ECEA1CKA100I	Electrolytic, 10μF 16WV	
C492	ECEA1HKA4R7	Electrolytic, 4.7μF 50WV	
C493	YECUS1E223KX	Ceramic, 0.022μF 25WV	
C601	YECUS1H220JC	Ceramic, 22PF 50WV	
C602	YECUS1H220JC	Ceramic, 22PF 50WV	
C603	F1J1H390A025	Ceramic, 39PF 50WV	
C604	F1J1H390A025	Ceramic, 39PF 50WV	
C605	F1J1H390A025	Ceramic, 39PF 50WV	
C606	YECUS1H220JC	Ceramic, 22PF 50WV	
C609	YECUS1H103KX	Ceramic, 0.01μF 50WV	
C616	YECUV2A103KX	Ceramic, 0.01μF 100WV	
C671	ECEA1HKA010I	Electrolytic, 1μF 50WV	
C691	YECUS1H103KX	Ceramic, 0.01μF 50WV	
C701	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C702	ECA1CGE222L	Electrolytic, 2200μF 16WV	
C703	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C704	ECEA1AKA101I	Electrolytic, 100μF 10WV	
C705	EEUFC1A181H	Electrolytic, 180μF 10WV	
C706	YECUS1C104KX	Ceramic, 0.1μF 16WV	
C707	F1K1C474A014	Ceramic, 0.47μF 16WV	
C708	ECEA0JKA221I	Electrolytic, 220μF 6.3WV	
C709	YECUV1A475KX	Ceramic, 4.7μF 10WV	
C710	ECEA1AKS221I	Electrolytic, 220μF 10WV	
C752	YECUV2A103KX	Ceramic, 0.01μF 100WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C771	YECUV2A103KX	Ceramic, 0.01μF 100WV	
C772	YECUV2A103KX	Ceramic, 0.01μF 100WV	
C773	ECQV1H103B46	Plastic Film, 0.01μF 50WV	
C774	YECUS1H103KX	Ceramic, 0.01μF 50WV	
C776	YECUS1H221JM	Ceramic, 220PF 50WV	
C777	YECUS1H221JM	Ceramic, 220PF 50WV	
C778	YECUS1H221JM	Ceramic, 220PF 50WV	
C779	YECUS1H221JM	Ceramic, 220PF 50WV	
C780	YECUS1H221JM	Ceramic, 220PF 50WV	
C781	YECUS1H221JM	Ceramic, 220PF 50WV	
C782	YECUV2A103KX	Ceramic, 0.01μF 100WV	
C783	YECUV2A103KX	Ceramic, 0.01μF 100WV	
C784	YECUV2A103KX	Ceramic, 0.01μF 100WV	
R10	YECUS1H103KX	Ceramic, 0.01μF 50WV	
R106	YECUS1H102KX	Ceramic, 1000PF 50WV	
RESISTORS			
J301	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J302	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J303	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J304	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J305	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J306	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J308	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J309	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J310	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J311	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J312	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J313	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J314	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J315	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J316	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J317	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J318	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J319	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J320	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J321	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J322	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J323	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J324	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J325	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J326	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J327	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J328	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J329	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J330	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J332	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J333	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J334	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J335	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J336	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J337	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J338	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J339	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J340	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J341	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J342	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J343	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J344	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J345	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J402	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J403	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J404	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J405	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J406	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J407	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J408	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J409	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J410	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J411	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J415	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J416	ERJ6GEY0R00V	Chip, 0Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
J417	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
L502	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R11	ERJ8GX0R00V	Chip, 0Ω 1/8W	
R16	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R17	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R21	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R101	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R102	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R103	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R104	ERJ8GEYJ101V	Chip, 100Ω 1/8W	
R105	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R107	ERJ6GEYJ912	Chip, 9.1kΩ 1/10W	
R109	ERJ6GEYJ752	Chip, 7.5kΩ 1/10W	
R111	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R112	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R121	ERJ6GEYJ392	Chip, 3.9kΩ 1/10W	
R131	ERJ8GEYJ392V	Chip, 3.9kΩ 1/8W	
R201	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R202	ERJ6GEYJ512	Chip, 5.1kΩ 1/10W	
R203	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R204	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R211	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R212	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R214	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R215	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R216	ERD25TJ563	Carbon, 56kΩ 1/4W	
R217	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R218	ERDS2TJ102	Carbon, 1kΩ 1/4W	
R221	ERJ6GEYJ1R0	Chip, 1.0Ω 1/10W	
R222	ERJ6GEYJ1R0	Chip, 1.0Ω 1/10W	
R223	ERJ6GEYJ1R0	Chip, 1.0Ω 1/10W	
R224	ERJ6GEYJ1R0	Chip, 1.0Ω 1/10W	
R231	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R232	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R251	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R301	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R302	ERJ6GEYJ512	Chip, 5.1kΩ 1/10W	
R303	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R304	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R311	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R312	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R314	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R315	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R316	ERD25TJ563	Carbon, 56kΩ 1/4W	
R317	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R318	ERDS2TJ102	Carbon, 1kΩ 1/4W	
R321	ERJ6GEYJ1R0	Chip, 1.0Ω 1/10W	
R322	ERJ6GEYJ1R0	Chip, 1.0Ω 1/10W	
R323	ERJ6GEYJ1R0	Chip, 1.0Ω 1/10W	
R324	ERJ6GEYJ1R0	Chip, 1.0Ω 1/10W	
R331	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R332	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R440	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R441	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R442	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R443	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R451	ERJ8GEYJ473V	Chip, 47kΩ 1/8W	
R452	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R453	ERJ8GEYJ561V	Chip, 560Ω 1/8W	
R454	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R455	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R456	ERJ8GEYJ4R7V	Chip, 4.7Ω 1/8W	
R457	ERJ8GEYJ4R7V	Chip, 4.7Ω 1/8W	
R458	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R459	ERJ8GEYJ101V	Chip, 100Ω 1/8W	
R460	ERJ6GEYJ392	Chip, 3.9kΩ 1/10W	
R462	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R473	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R474	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R475	ERJ6GEYJ334	Chip, 330kΩ 1/10W	
R477	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R478	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R480	ERJ6GEYJ103	Chip, 10kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R481	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R482	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R483	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R484	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R485	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R486	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R487	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R488	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R489	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R490	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R491	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R492	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R493	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R494	ERJ6GEYJ224	Chip, 220kΩ 1/10W	
R495	ERJ8GEYJ332V	Chip, 3.3kΩ 1/8W	
R496	ERJ6GEYJ683	Chip, 68kΩ 1/10W	
R497	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R498	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R499	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R502	ERDS2TJ473	Carbon, 47kΩ 1/4W	
R505	ERDS2TJ561	Carbon, 560Ω 1/4W	
R506	ERDS2TJ561	Carbon, 560Ω 1/4W	
R601	ERJ6GEYJ684	Chip, 680kΩ 1/10W	
R602	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R603	ERD25TJ102	Carbon, 1kΩ 1/4W	
R604	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R605	ERD25TJ102	Carbon, 1kΩ 1/4W	
R606	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R608	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R609	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R610	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R611	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R613	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R614	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R615	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R616	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R617	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R618	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R619	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R620	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R621	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R622	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R623	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R624	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R625	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R626	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R627	ERJ8GEYJ473V	Chip, 47kΩ 1/8W	
R628	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R629	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R630	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R631	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R632	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R633	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R634	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R635	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R638	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R639	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R640	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R641	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R642	ERDS2TJ102	Carbon, 1kΩ 1/4W	
R643	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R644	ERJ8GEYJ561V	Chip, 560Ω 1/8W	
R645	ERDS2TJ102	Carbon, 1kΩ 1/4W	
R646	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R647	ERD25TJ102	Carbon, 1kΩ 1/4W	
R648	ERD25TJ102	Carbon, 1kΩ 1/4W	
R649	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R650	ERD25TJ102	Carbon, 1kΩ 1/4W	
R652	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R653	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R654	ERJ8GEYJ222V	Chip, 2.2kΩ 1/8W	
R655	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R657	ERD25TJ104	Carbon, 100kΩ 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
R658	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R660	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R670	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R671	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R672	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R673	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R675	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R676	ERJ6GEYJ272	Chip, 2.7k Ω 1/10W	
R678	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
R691	ERG1SJ101P	Metal Oxid, 100 Ω 1W	
R692	ERG1SJ101P	Metal Oxid, 100 Ω 1W	
R701	ERG1SJ151P	Metal Oxid, 150 Ω 1W	
R703	ERDS2TJ681	Carbon, 680 Ω 1/4W	
R704	ERDS2TJ102	Carbon, 1k Ω 1/4W	
R705	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R706	ERDS2TJ271	Carbon, 270 Ω 1/4W	
R709	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R710	D06F473JA002	47k	
R732	ERDS2TJ151	Carbon, 150 Ω 1/4W	
R751	ERJ6RBD273V	Metal Film, 27k Ω 1/10W	
R752	ERJ6RED274V	Metal Film, 270k Ω 1/10W	
R753	ERJ6RBD433V	Metal Film, 43k Ω 1/10W	
R754	ERJ6RBD472V	Metal Film, 4.7k Ω 1/10W	
R771	ERJ8GEYJ561V	Chip, 560 Ω 1/8W	
R778	ERJ8GEYJ274V	Chip, 270k Ω 1/8W	
R779	ERJ8GEYJ274V	Chip, 270k Ω 1/8W	
R780	ERJ8GEYJ274V	Chip, 270k Ω 1/8W	
R781	ERJ8GEYJ274V	Chip, 270k Ω 1/8W	
R782	ERJ8GEYJ562V	Chip, 5.6k Ω 1/8W	
R783	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R784	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R786	ERG1SJ680P	Metal Oxid, 68 Ω 1W	
CONNECTORS			
CN501	YEA EK623214S	Connector, 14P	
CN771	YEA E012736A	Connector, 6P+10P	
CN772	YEA E012737A	Connector, 12P	
CN901	YEAETKCF06PV	Connector, 6P	
CN902	YEAETKCF06PV	Connector, 6P	
COILS			
L51	YELT02C330KT	Coil	
L231	YETQ016F001	Coil	
L451	YELTBLM21A10	Coil	
L452	YELTBLM21B10	Coil	
L471	YELTBLM21B10	Coil	
L501	YELTBLM21A10	Coil	
L601	YELTBLM21A10	Coil	
L602	YELTBLM21A10	Coil	
L603	YELTBLM21A10	Coil	
L604	YELTBLM21A10	Coil	
R471	YELTBLM21A10	Coil	
CRYSTALS			
XL451	H0D720400003	Crystal	
XL471	YEXL49U0433T	Crystal	
XL601	H0A327200080	Crystal	
XL602	YEXLCSA1258M	Crystal	
LAMP			
Z51	J0LE00000002	Neon Lamp	
FILTER			
LPF51	YEXC07T009	COIL	

Ref. No.	Part No.	Part Name & Description	Remarks
[E9196A] CD Servo Block			
IC's and TRANSISTORS			
IC101	C1BB00000414	IC	
IC201	C2BBFD000403	IC	
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	MA152WKT X	Diode	
D901	MA152WAT X	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	
C181	F1H1H220A487	22PF 50WV	
C182	F1H1H220A487	22PF 50WV	
C183	F1H1H220A487	22PF 50WV	
C184	F1H1H220A487	22PF 50WV	
C185	YECUZ1H150JC	Ceramic, 15PF 50WV	
C186	YECUZ1H150JC	Ceramic, 15PF 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	F1H1H101A231	Ceramic, 100PF 50WV	
C605	YECUZ1H471JC	Ceramic, 470PF 50WV	
C606	YECUZ1H471JC	Ceramic, 470PF 50WV	
C607	F1H1H101A231	Ceramic, 100PF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
RESISTORS			
L123	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
L181	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
L182	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
L183	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R102	ERJ8GEYJ100V	Chip, 10Ω 1/8W	
R103	ERJ8GEYJ120V	Chip, 12Ω 1/8W	
R123	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R125	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R171	ERJ3GEYJ333V	Chip, 33kΩ 1/16W	
R172	ERJ3GEYJ333V	Chip, 33kΩ 1/16W	
R179	ERJ3GEYJ682V	Chip, 6.8kΩ 1/16W	
R181	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R186	ERJ3GEYJ333V	Chip, 33kΩ 1/16W	
R187	ERJ3GEYJ333V	Chip, 33kΩ 1/16W	
R188	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R190	J0JAC0000052		
R213	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R218	ERJ3GEYJ563V	Chip, 56kΩ 1/16W	
R223	ERJ3GEYJ563V	Chip, 56kΩ 1/16W	
R226	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R228	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R256	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R257	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R258	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R290	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R293	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R305	ERJ3GEYJ122V	Chip, 1.2kΩ 1/16W	
R306	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R322	ERJ3GEYJ682V	Chip, 6.8kΩ 1/16W	
R323	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R325	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R326	ERJ3GEYJ153V	Chip, 15kΩ 1/16W	
R327	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R336	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R401	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R411	ERJ3GEYJ334V	Chip, 330kΩ 1/16W	
R423	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R441	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R454	ERJ6GEYJ271	Chip, 270Ω 1/10W	
R456	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R461	ERJ3GEYJ823V	Chip, 82kΩ 1/16W	
R463	ERJ3GEYJ823V	Chip, 82kΩ 1/16W	
R466	ERJ6GEYJ823	Chip, 82kΩ 1/10W	
R471	ERJ8GEYJ121V	Chip, 120Ω 1/8W	
R473	ERJ8GEYJ121V	Chip, 120Ω 1/8W	
R476	ERJ8GEYJ121V	Chip, 120Ω 1/8W	
R481	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R604	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R605	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R606	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
CONNECTORS			
CN101	YEAESFW15R1E	Connector, 15P	
CN401	K1MN14B00028	Connector, 14P	
CN901	K1MN05B00010	Connector, 5P	
CN902	K1MN05B00009	Connector, 5P	
SWITCHES			
SW2	ESE22MH32	Switch	
SW4	YEAS09275	Switch	
COILS			
L184	J0JAC0000052	Coil	
L604	J0JCC0000166	Coil	
L607	J0JCC0000166	Coil	
R190	J0JAC0000052	Noise Filter	
CRYSTALS			
XL101	H2D169500017	Crystal	
XL201	H2D419400001	Crystal	

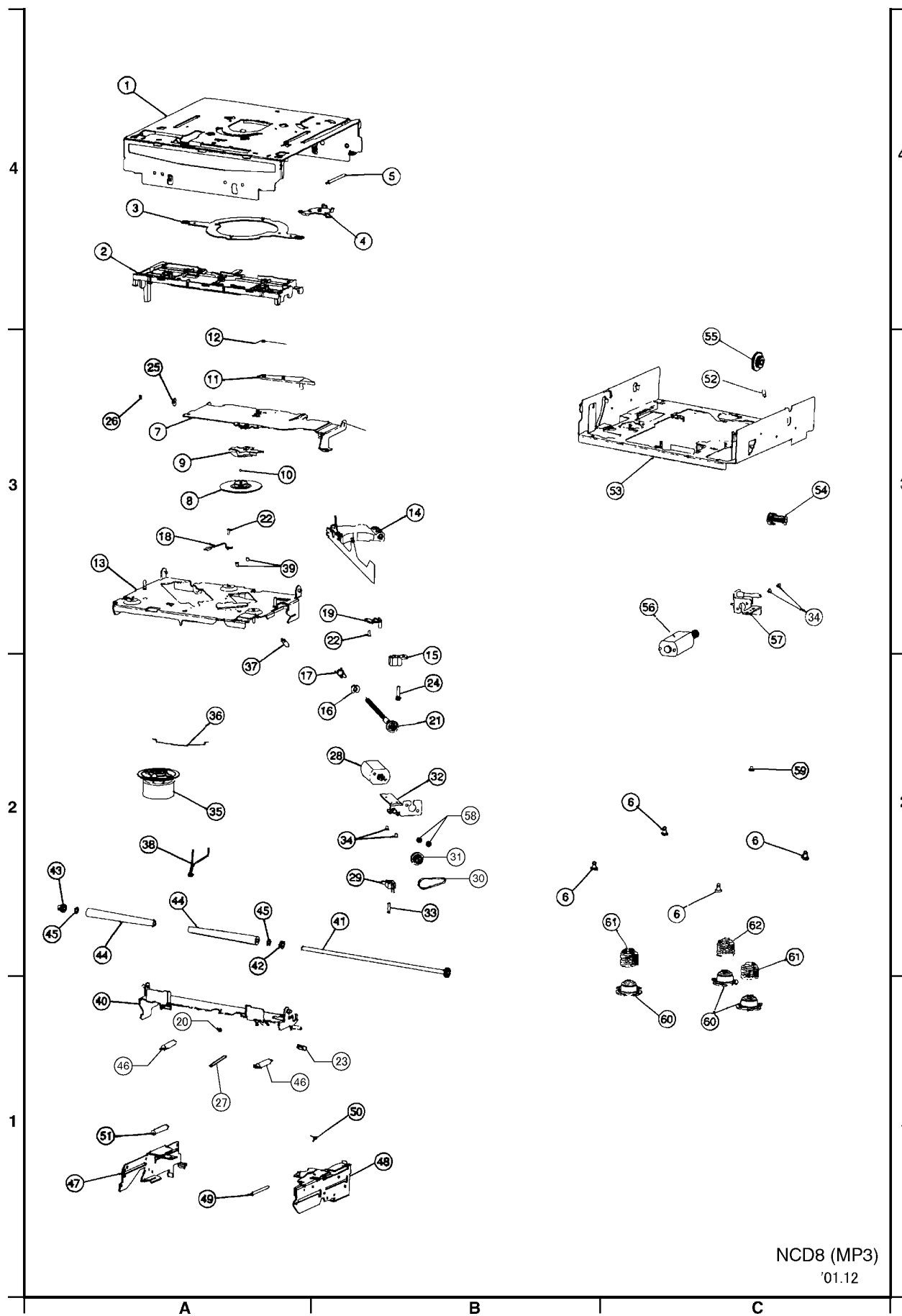
Ref. No.	Part No.	Part Name & Description	Remarks
[E2708] Display Block			
CONNECTORS			
CJ901	YEAETKCF06XY	Connector, 6P	
CJ902	YEAETKCF06XY	Connector, 6P	
SWITCHES			
SW901	EVQ23504M	Switch	
SW902	EVQ23504M	Switch	
SW903	EVQ23504M	Switch	
SW904	EVQ23504M	Switch	
SW905	EVQ23504M	Switch	
SW906	EVQ23504M	Switch	
SW907	EVQ23504M	Switch	
SW908	EVQ23504M	Switch	
SW909	EVQ23504M	Switch	
LAMPS			
PL901	YEALHSIG009	Pilot Lamp	
PL902	YEALHSIG009	Pilot Lamp	
PL903	YEALHSIG009	Pilot Lamp	
Mechanical Parts			
MISCELLANEOUS			
ANT1	YEA10066	Antenna Receptacle	
AE1	K9Z200000039	Flat Cable, 14P	
AJ1	YEAJ071287	Cord w/Plug	
AJ2	YEAJ071285	Cord w/Plug	
AP1	YEAP2711	FPC	
AT1	YEAT03346A	Terminal, E6915A	
AT1	YEATSD00405	Bracket, E9196Aa	
AT3	YEATSD00405	Bracket, E9196Aa	
1	YEFA031506	Upper Cover	
2	YEFA09539	Side Plate	
3	YEFA07443	Front Plate	
4	YEP0PT9196B0	PCB w/Component	RTL
5	YEFM031105	Laser Seal	
6	J0KZ00000008	Noise Filter	
7	YEFX0214612	Bracket, Deck	
9	YEP0PT2708A0	PCB w/Component	RTL
10	YEF027745A	Escutcheon Ass'y	
11	YEFX0213919	Bracket, GND	
12	YEFA05653	Bottom Cover	
14	YEFF01951	Heat Sink	
15	YEFX0214153	Bracket, ANT	
16	YEFX0214581	Bracket, IC231	
17	YEP0PT6915A0	PCB w/Component	RTL
18	YEFX0213797	Bracket, GND	
19	YEFX0214146	Bracket, IC701	
20	YEFA09538AK	Side Plate	
31	YEJT03009	Tapping Screw, 3 * 8	
32	YEJT03013	Tapping Screw, 3 * 12	
33	YEJT03015	Tapping Screw, 3 * 6	
34	YEJT03131	Tapping Screw, 2.6 * 5	
35	YEJT03141	Tapping Screw, 3 * 8	
36	YEJT03263	Tapping Screw	
37	XSB26+6FX	Screw, 2.6 * 6	
38	XTB2+6GFX	Tapping Screw, 2 * 6	
39	XTB3+6FFX	Tapping Screw, 3 * 6	
40	XTB3+8FFX	Tapping Screw, 3 * 8	
41	XYN2+J6FX	Screw, 2 * 6	
42	XYN2+J4FX	Screw, 2 * 4	

12 CD PLAYER PARTS

MISCELLANEOUS

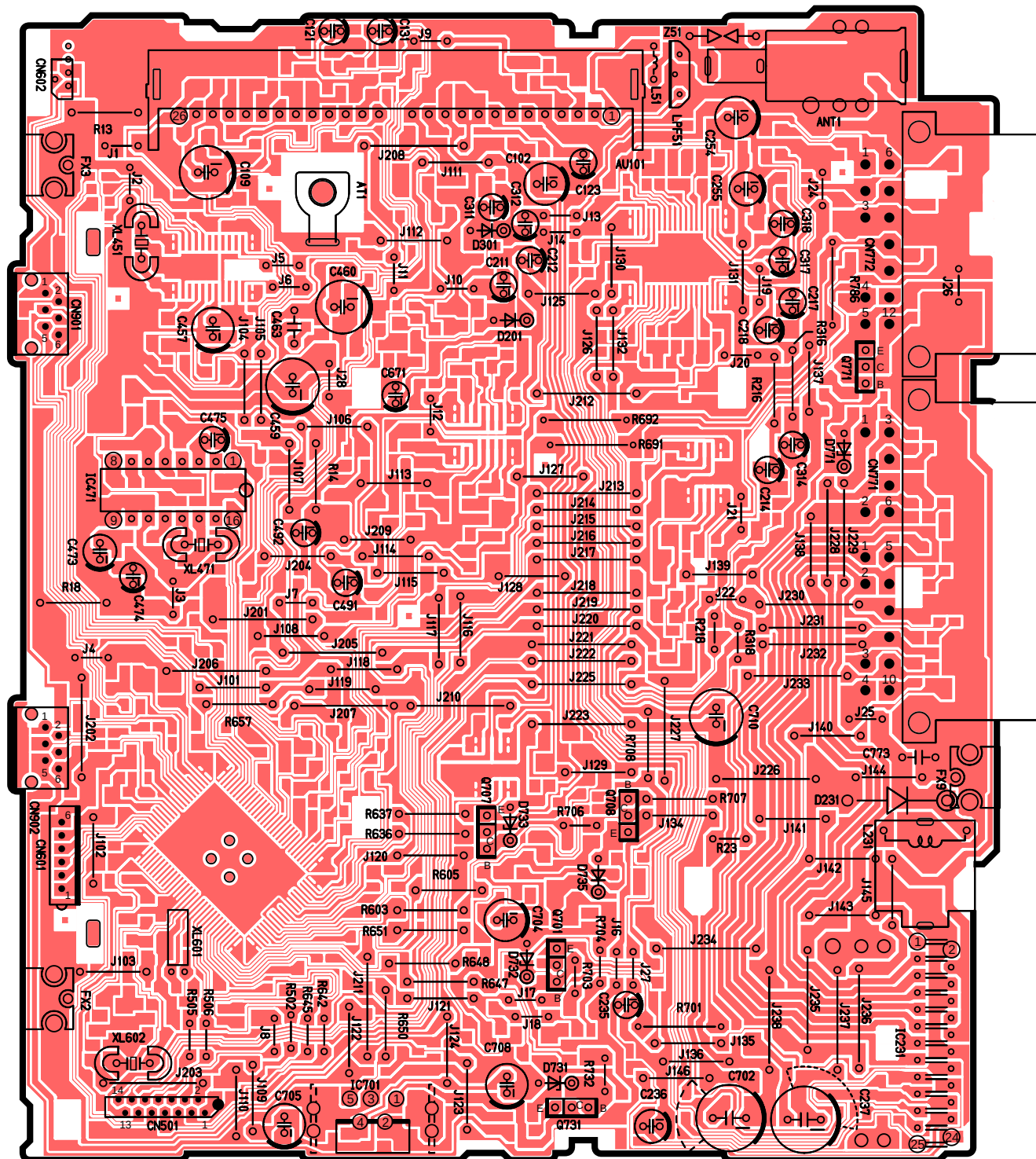
Ref. No.	Part No.	Part Name & Description	Remarks
1	YGFA011781	Upper Chassis	(4-A)
2	YGFX236153	Disk Guide	(4-A)
3	YGFX0462017	Link Lever	(4-A)
4	YGFX0462018	Detection Lever (2)	(4-B)
5	YGFX0052357	Detection Lever (2) Spring	(4-B)
6	YEJT03216	Screw	(2-C) (2-B)
7	YGFX249461	Clamp Arm	(3-A)
8	YGFX007640	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	YEW05169	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)



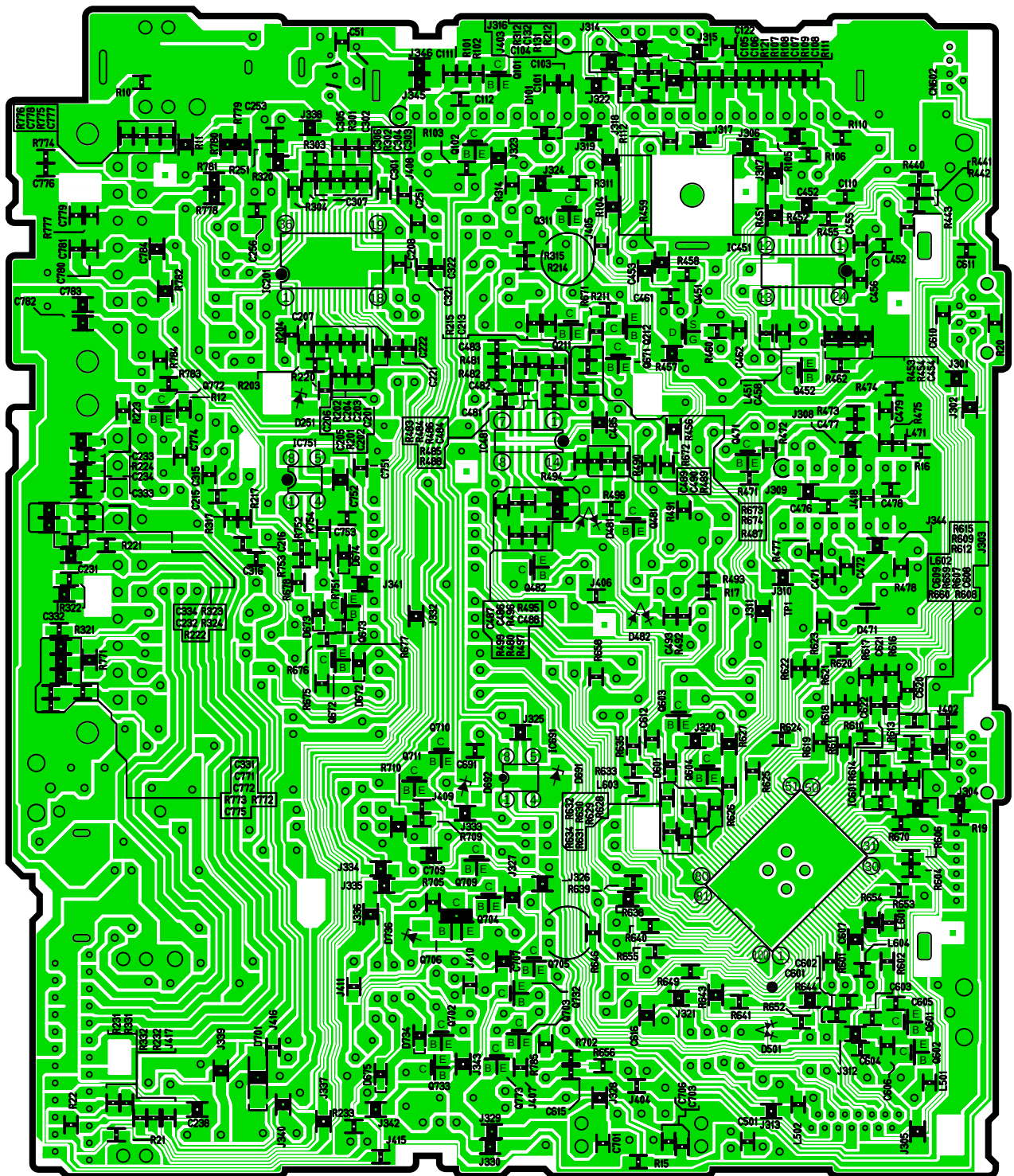
14 WIRING DIAGRAM

14.1. Main Block (Top View)

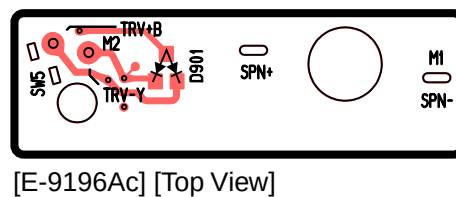
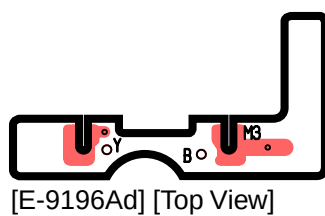


[E-6915A] [Top View]

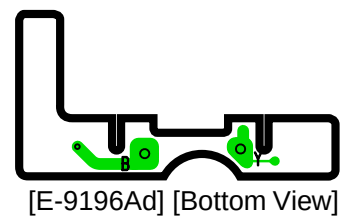
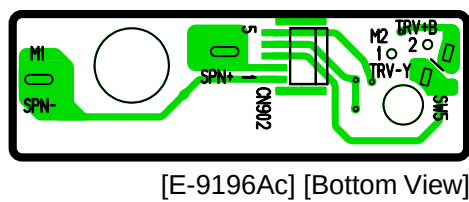
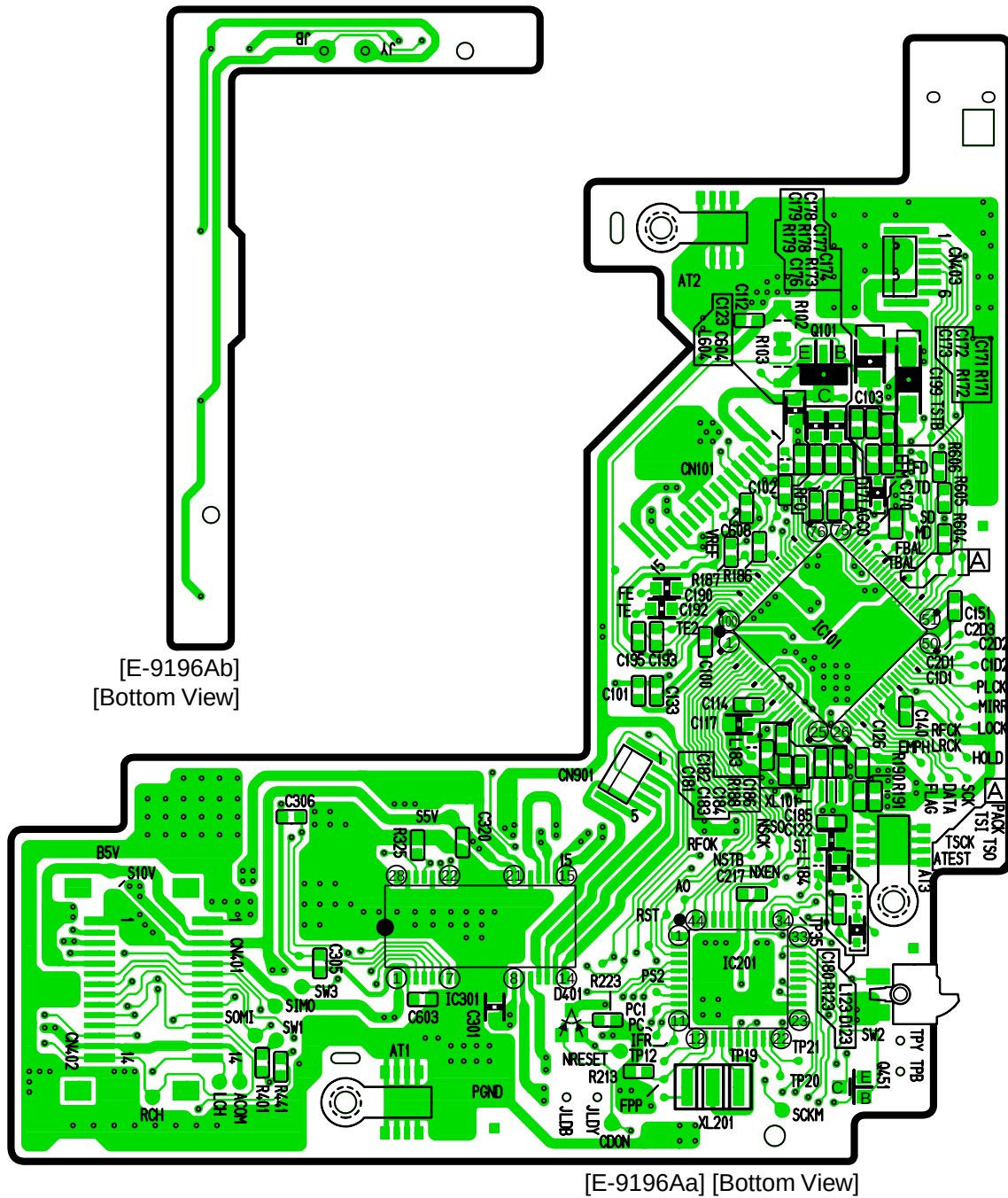
14.2. Main Block (Bottom View)



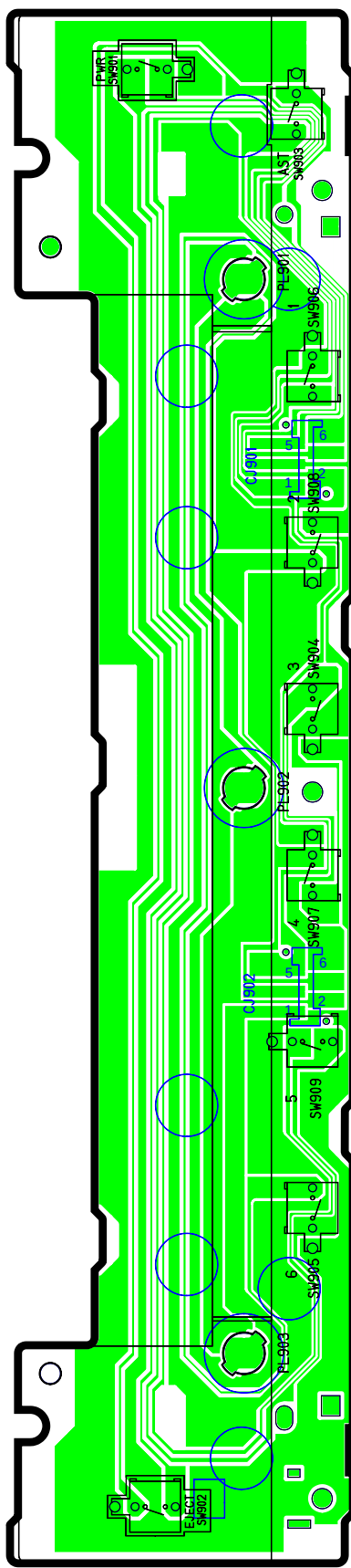
[E-6915A] [Bottom View]



14.4. CD Servo Block (Bottom View)



14.5. Display Block



[E-2708a]

CQ-MS0371A DISPLAY P.C.B





16 MEMO

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 PARTS AND ACCESSORIES ORDER										PAGE NO. _____ OF _____																																																														
TO OVERSEAS PARTS DEPARTMENT TOYOTA MOTOR CORPORATION NAGOYA, JAPAN										DATE	B O ORDER NO.																																																													
☐ WEEKLY AIR ORDER ☐ EMERGENCY AIR ORDER ☐ NEW PARTS ORDER FOR MODEL: ☐ PRINTED MATTER ☐ OTHERS:										AIR FREIGHT																																																														
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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.
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