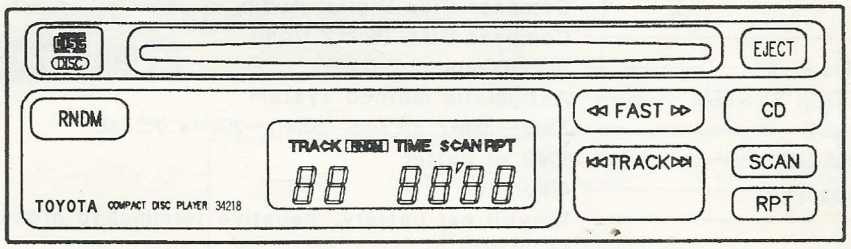
TOYOTA

AUDIO COMPONENT SERVICE MANUAL

COMPACT DISC DECK

COMPACT disc DIGITAL AUDIO

VEHICLE	DESTINATION	PRODUCED AFTER	TOYOTA PART No.	ID CODE	FUJITSU TEN MODEL No.
CELICA	AUSTRALIA	March 1994	08601-00831	34218	113001-18300151
TARAGO		August 1994	08601-00837	34219	113003-18300151



08601-00831
(113001-18300151)

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Manufactured for TOYOTA

by FUJITSU TEN LIMITED

PUB. NO. SM-1021A

COMPOSITIONS

Packing No.	Parts name	Parts No. (Old Parts No.)	Q'ty
①	CD player	————————	1
②	Screw	790882-43800700 (RN-MET-1705)	1
③	Label	790869-45500700 (RN-MLT-1172)	1
④	Screw	790882-53700700 (RN-MET-1758)	4
⑤	Owners manual	090002-18680700	1
⑥	Package	010022-60220700	1
⑦	Poly form	010042-0852A700 (RN-MZB-1804A)	1
⑧	Poly form	010042-0853A700 (RN-MZB-1805A)	1

PACKING VIEW

NOTE: During transportation, be sure to special screw ②.

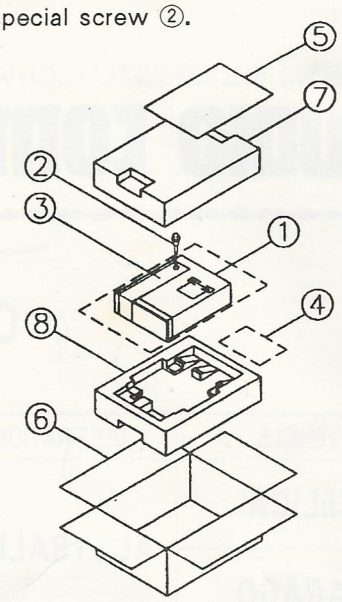


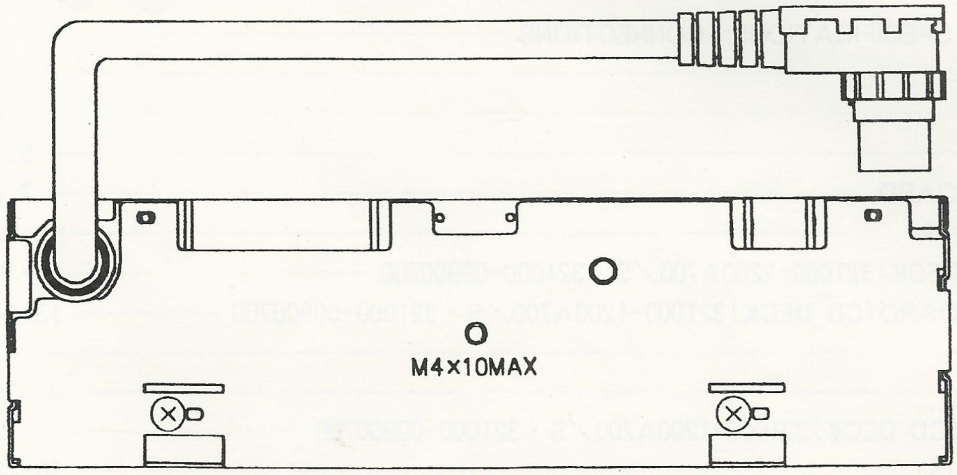
Fig. 1

SPECIFICATIONS

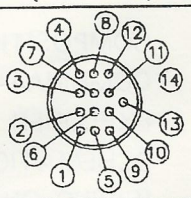
MAIN UNIT

SYSTEM	Compact Disc Digital Audio
APPLIED DISC	Compact Disc (8cm／12cm)
LASER WAVELENGTH	760～800mm
FOCUS ERROR DETECTION SYSTEM	Astigmatic method system
FREQUENCY RESPONSE	20Hz～100Hz:3±3dB, 500Hz～20kHz:0±3dB
SIGNAL TO NOISE RATIO	80dB or better
LOAD IMPEDANSE	47kohms
POWER SUPPLY	12-volt car battery, negative terminal to ground
Voltage	13.2VDC
Current	Approx 1.6 ampere (MAX.)
DIMENSIONS	180(W)×50(H)×160(D)mm
WEIGHT	Approx. 1.4kg

CONNECTIONS



(PIN VIEW)



1	ACC
2	TO BATTERY
3	ILL −
4	SW.ACC
5	R CH.OUT
6	————
7	GND(SIG.)
8	MUTE
9	L CH.OUT
10	CD ON
11	————
12	————
13	ILL.+B
14	GND(CASE)

Fig. 2

COMBINATION

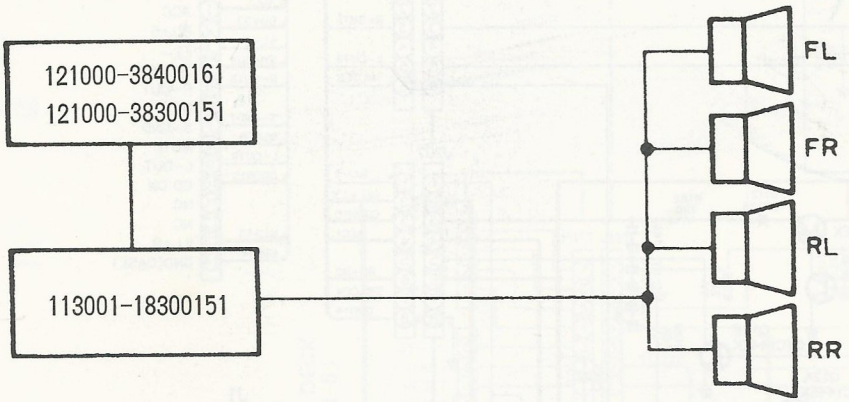


Fig. 3

SERVICE EXTENSION CABLES

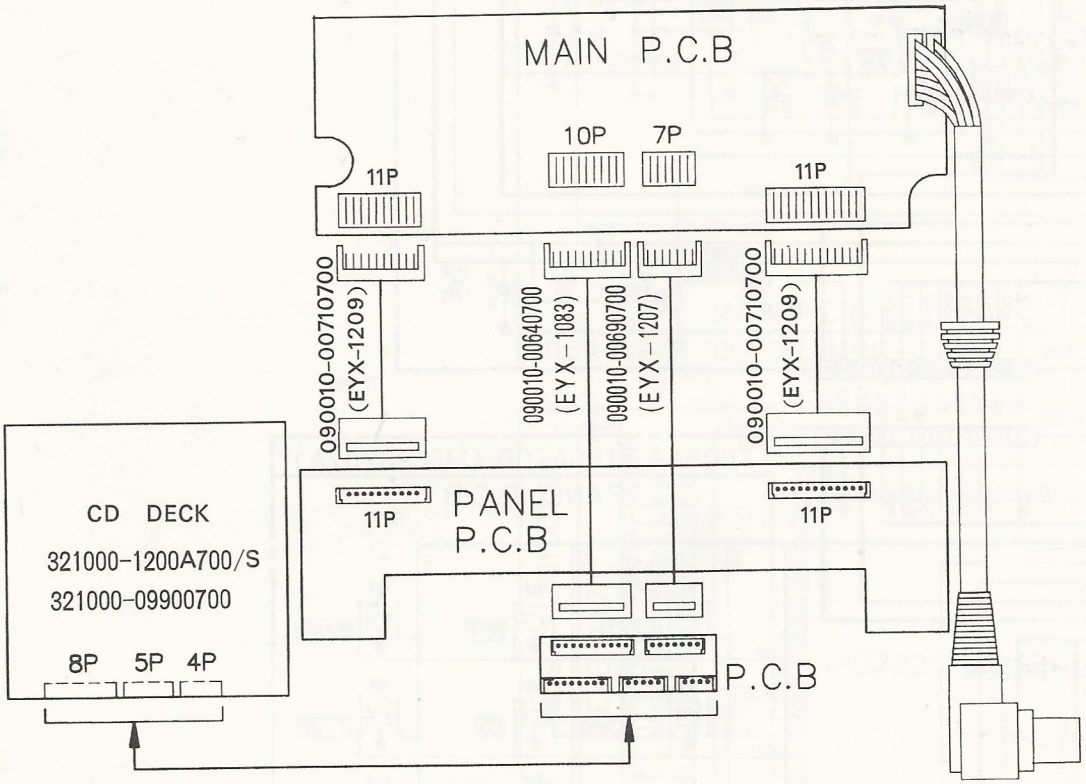


Fig. 4

NOTE : Service extension cable are not contained in the audio unit.

EXPLODED VIEW

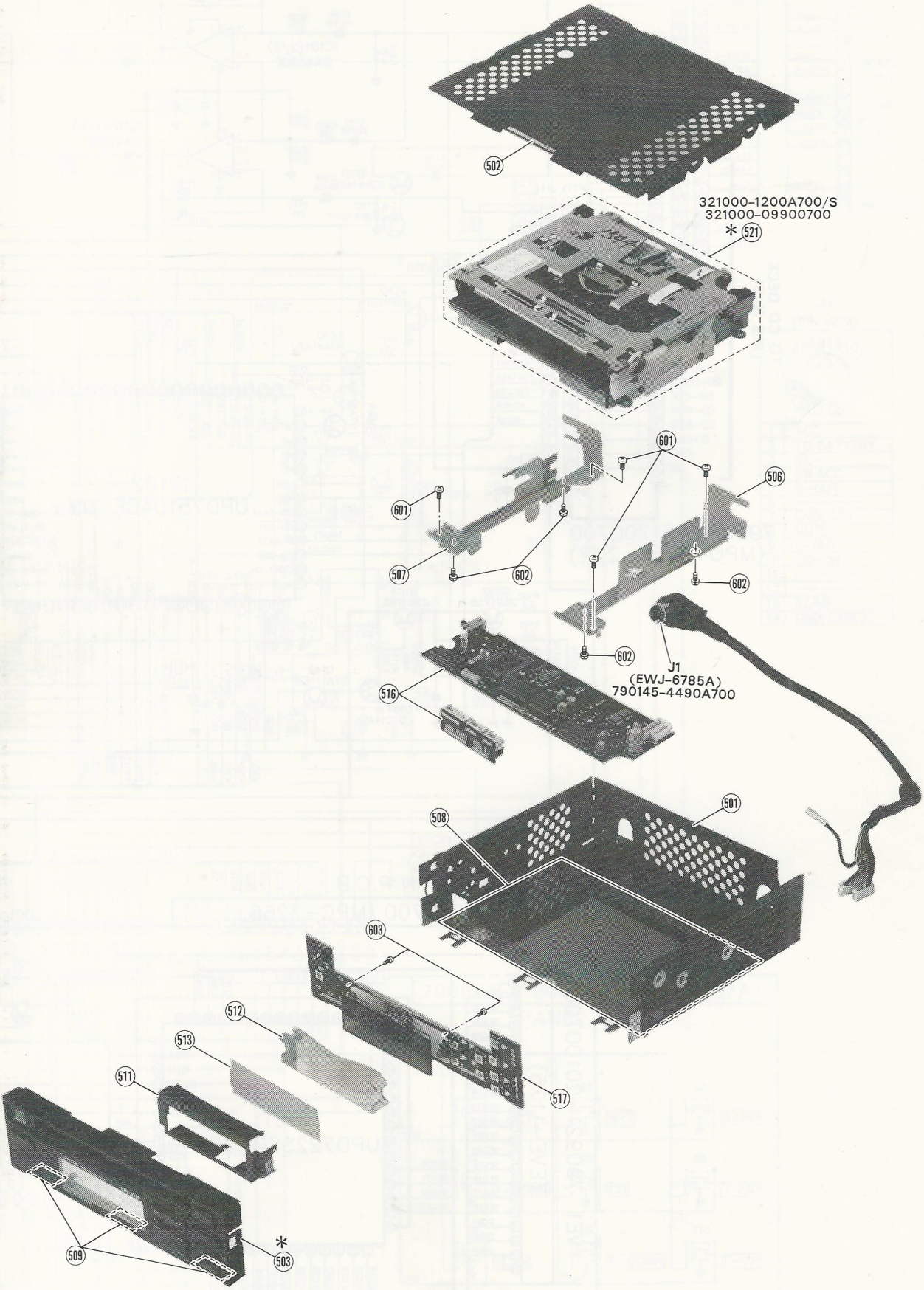
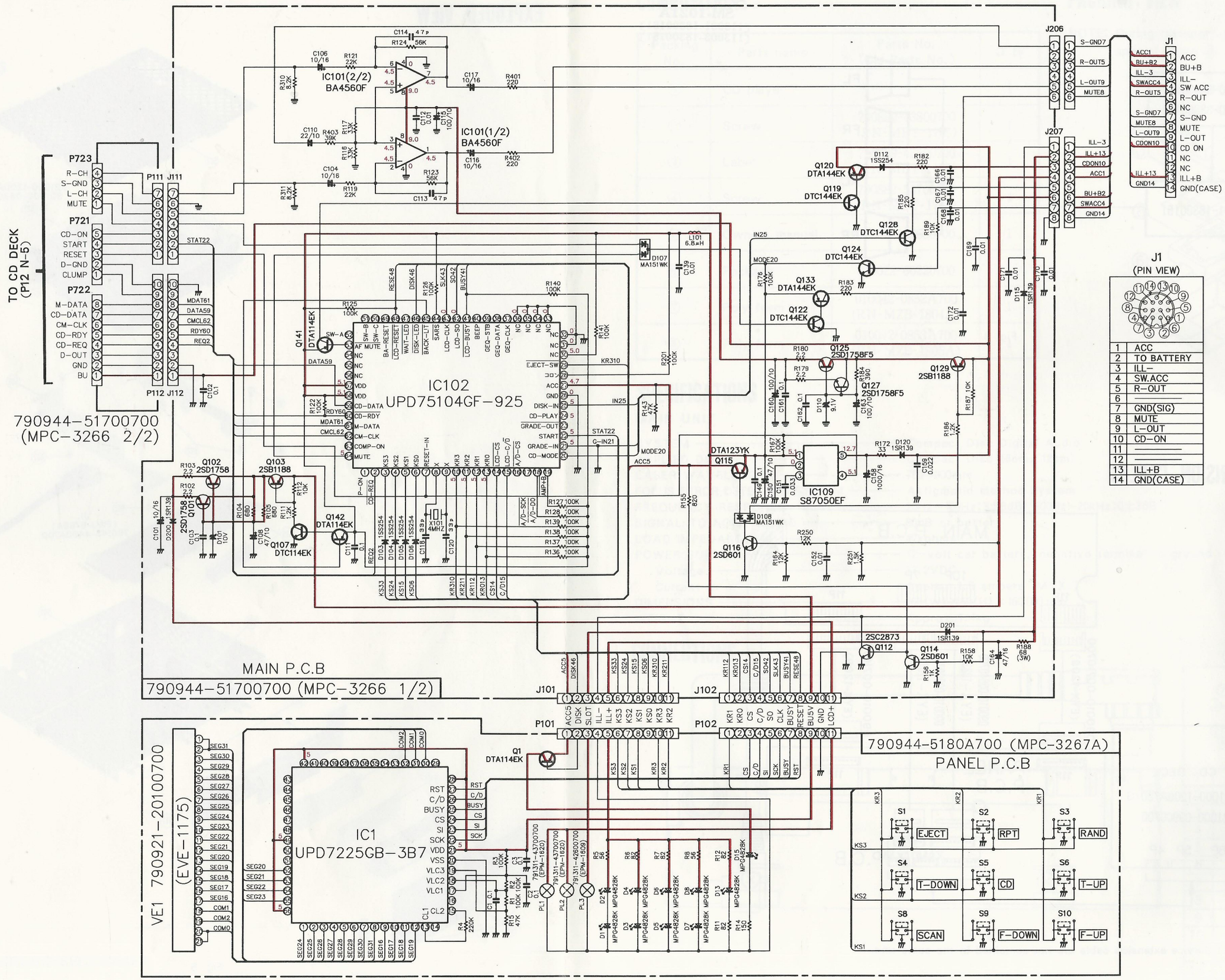


Fig. 5

NOTES : 1. ⁎-marked parts are different from model to model.
2. Printed circuit board does not include component parts to be mounted.

SCHEMATIC



J1 (PIN VIEW)

1	ACC
2	TO BATTERY
3	ILL–
4	SW.ACC
5	R–OUT
6	——
7	GND(SIG)
8	MUTE
9	L–OUT
10	CD–ON
11	——
12	——
13	ILL+B
14	GND(CASE)

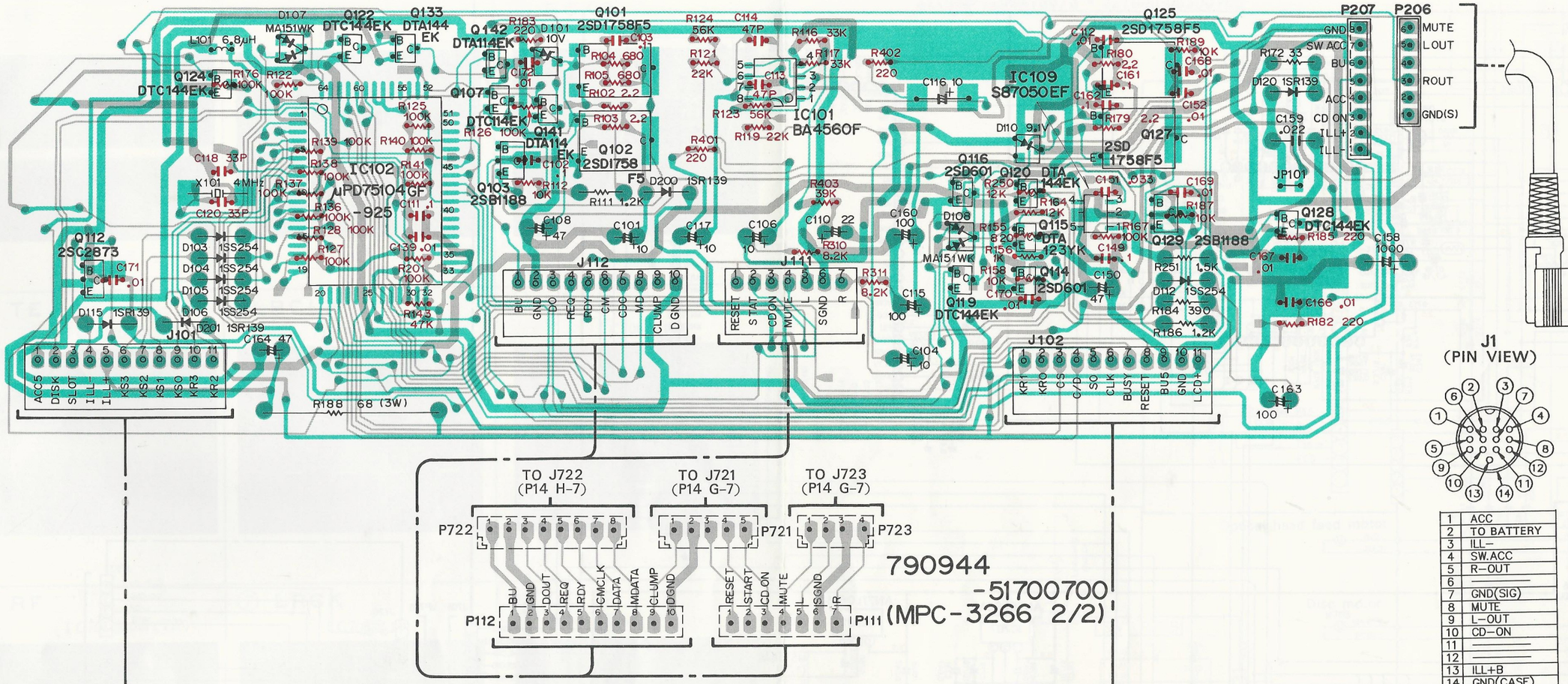
NOTES: 1. All capacitance in Micro farad, $P=10^{-12}$
2. All resistance in ohm, $K=10^{3}$

Fig. 6

3. DC voltages against the chassis measured with 10M ohms digital volt meter, power supply set at +13.2 VDC, no signal input.

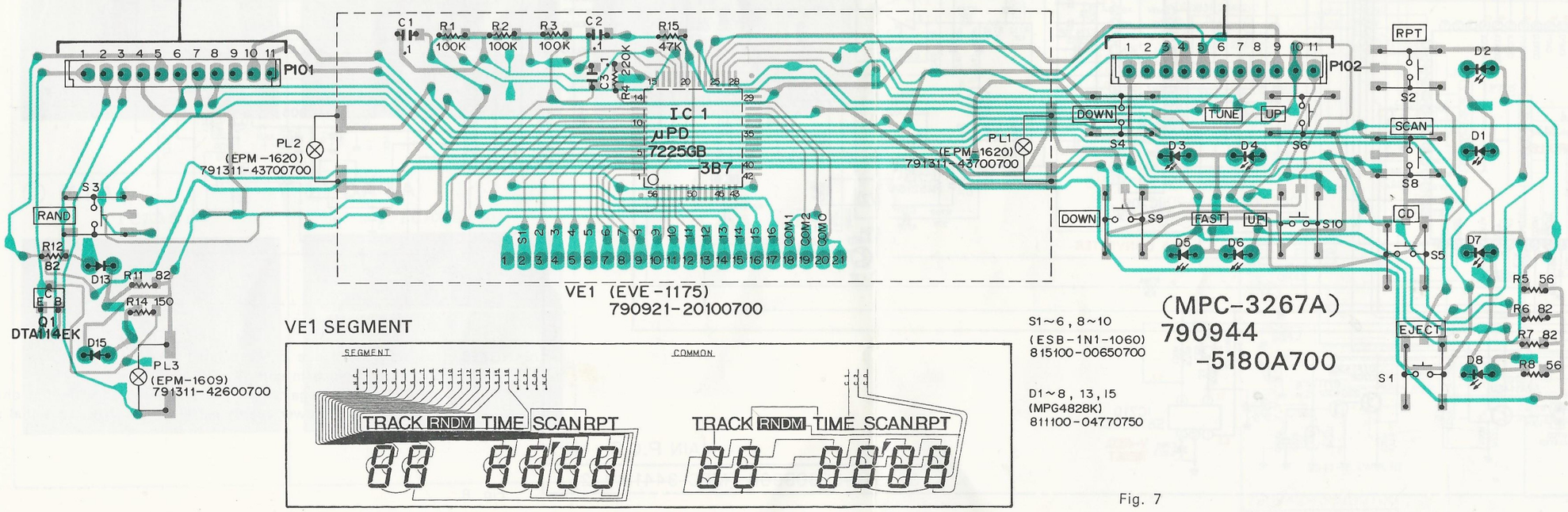
WIRING ON PC BOARD

790944-51700700
(MPC-3266 1/2)



J1
(PIN VIEW)

1	ACC
2	TO BATTERY
3	ILL−
4	SW.ACC
5	R−OUT
6	———
7	GND(SIG)
8	MUTE
9	L−OUT
10	CD−ON
11	———
12	———
13	ILL+B
14	GND(CASE)



VE1 SEGMENT

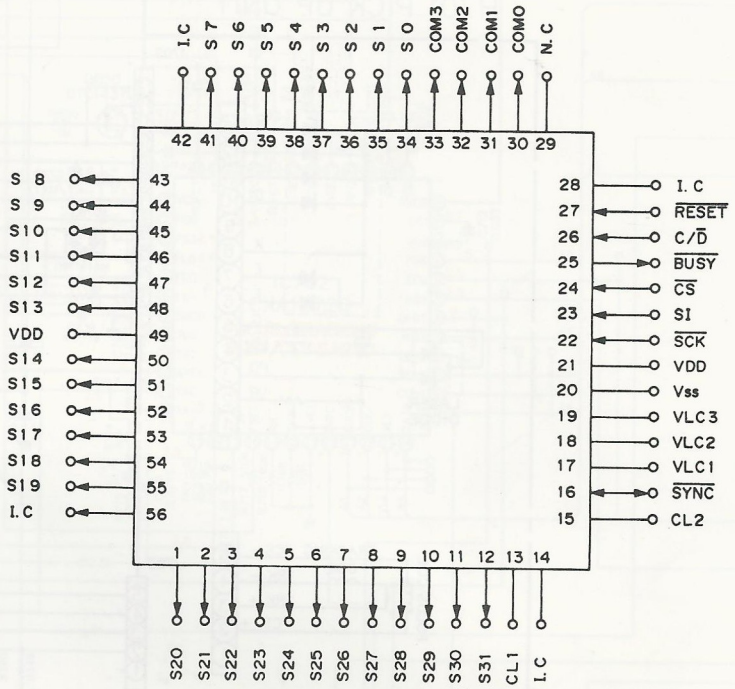
IC No.	Coordinates
IC 1	E-6
IC101	F-2
IC102	C-2
IC109	G-2

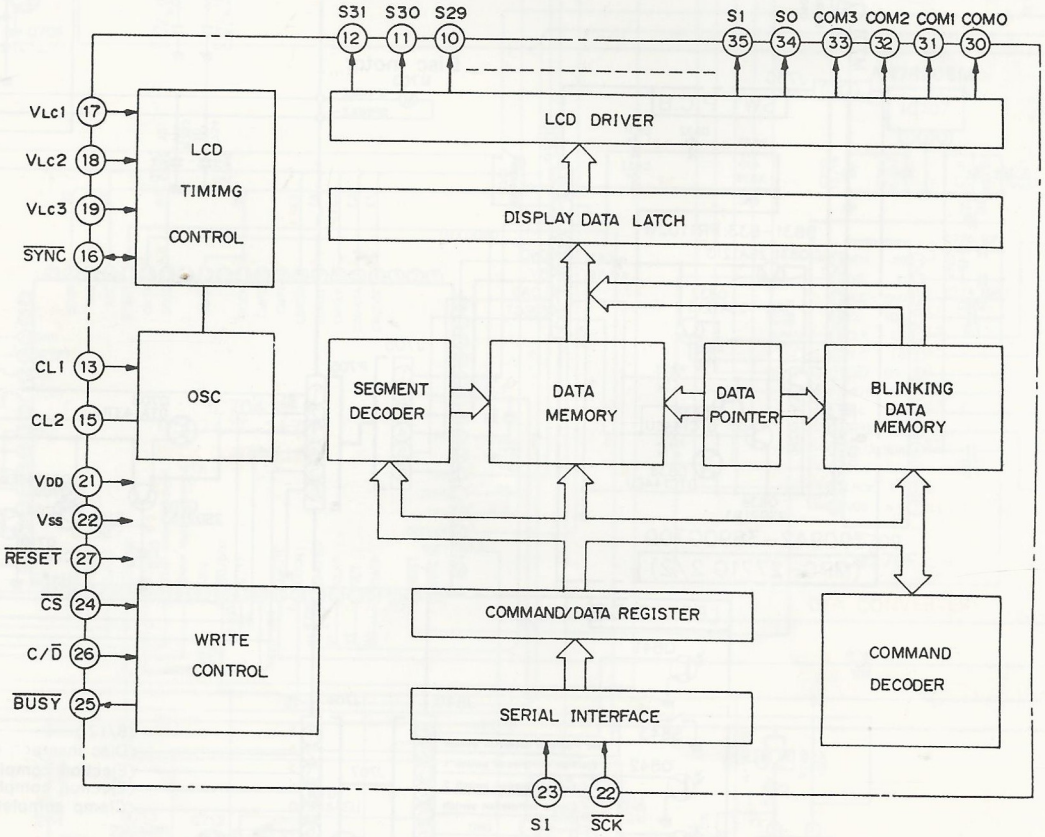
Q No.	Coordinates
Q 1	B-7
Q101,102	E-2
Q103,107	D-2
Q112	B-3
Q114,115,129	G-3
Q116	F-2
Q119	F-3
Q120,125,127	G-2
Q122,124	C-2
Q128	H-2
Q133,141,142	D-2

Fig. 7

IC BLOCK DIAGRAM

IC1 LCD DRIVER
(μPD 7225GB-3B7)





SCHEMATIC (CD DECK)

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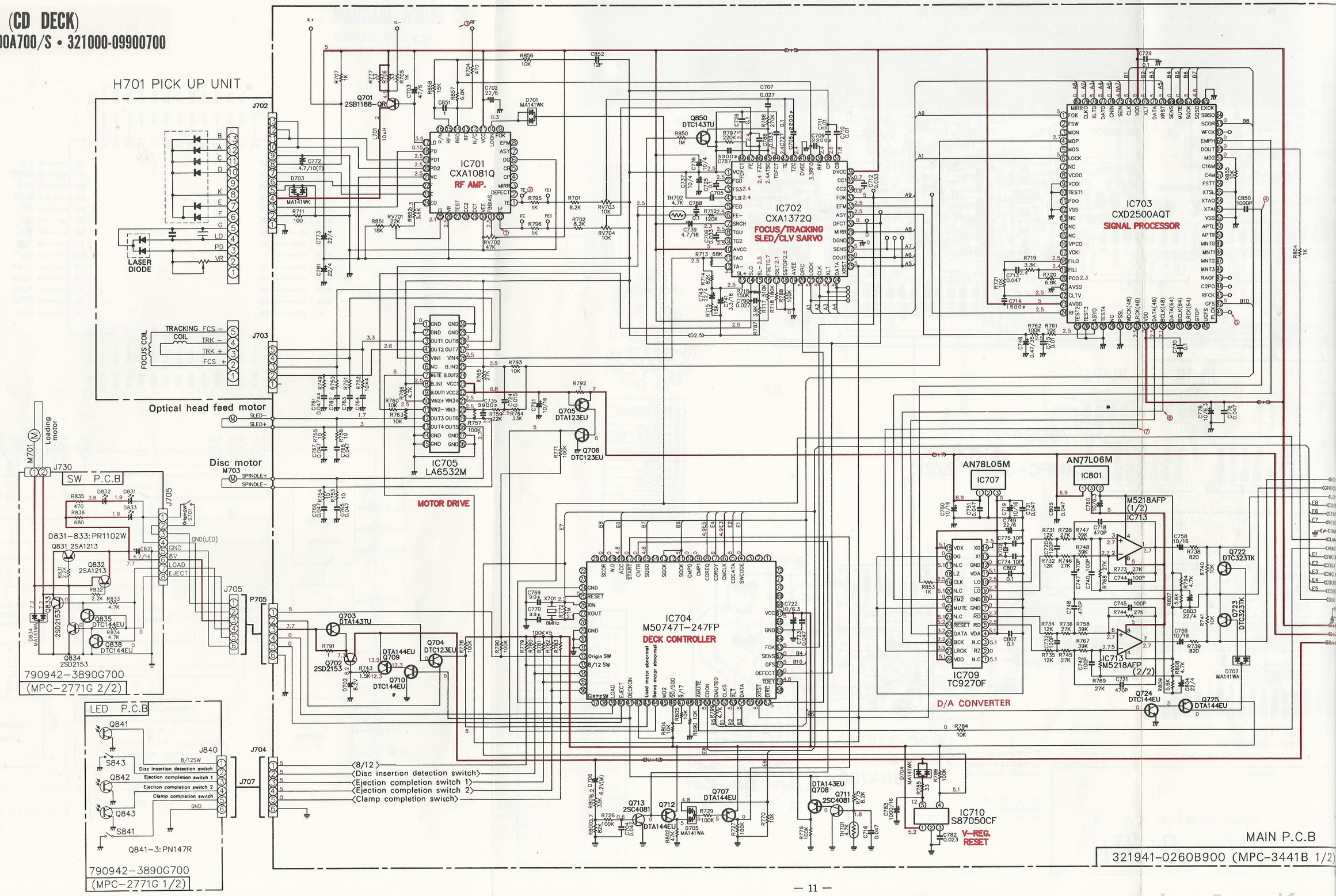

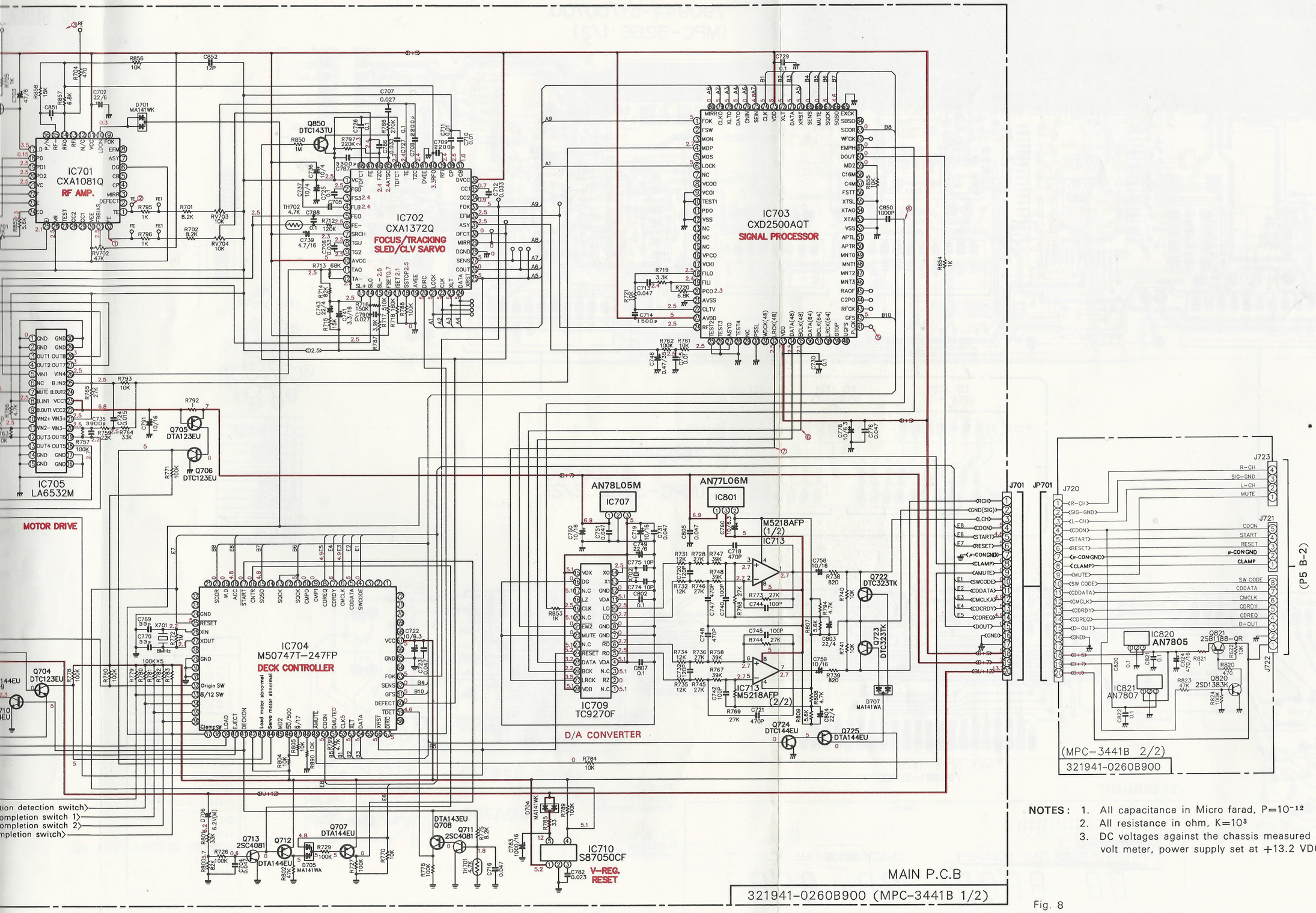

NOTES:
1. All capacitance in Micro farad, $P=10^{-12}$
2. All resistance in ohm, $K=10^{3}$
3. DC voltages against the chassis measured with 10M ohms digital volt meter, power supply set at +13.2 VDC, no signal input.

Fig. 8

WIRING ON PC BOARD (CD DECK)

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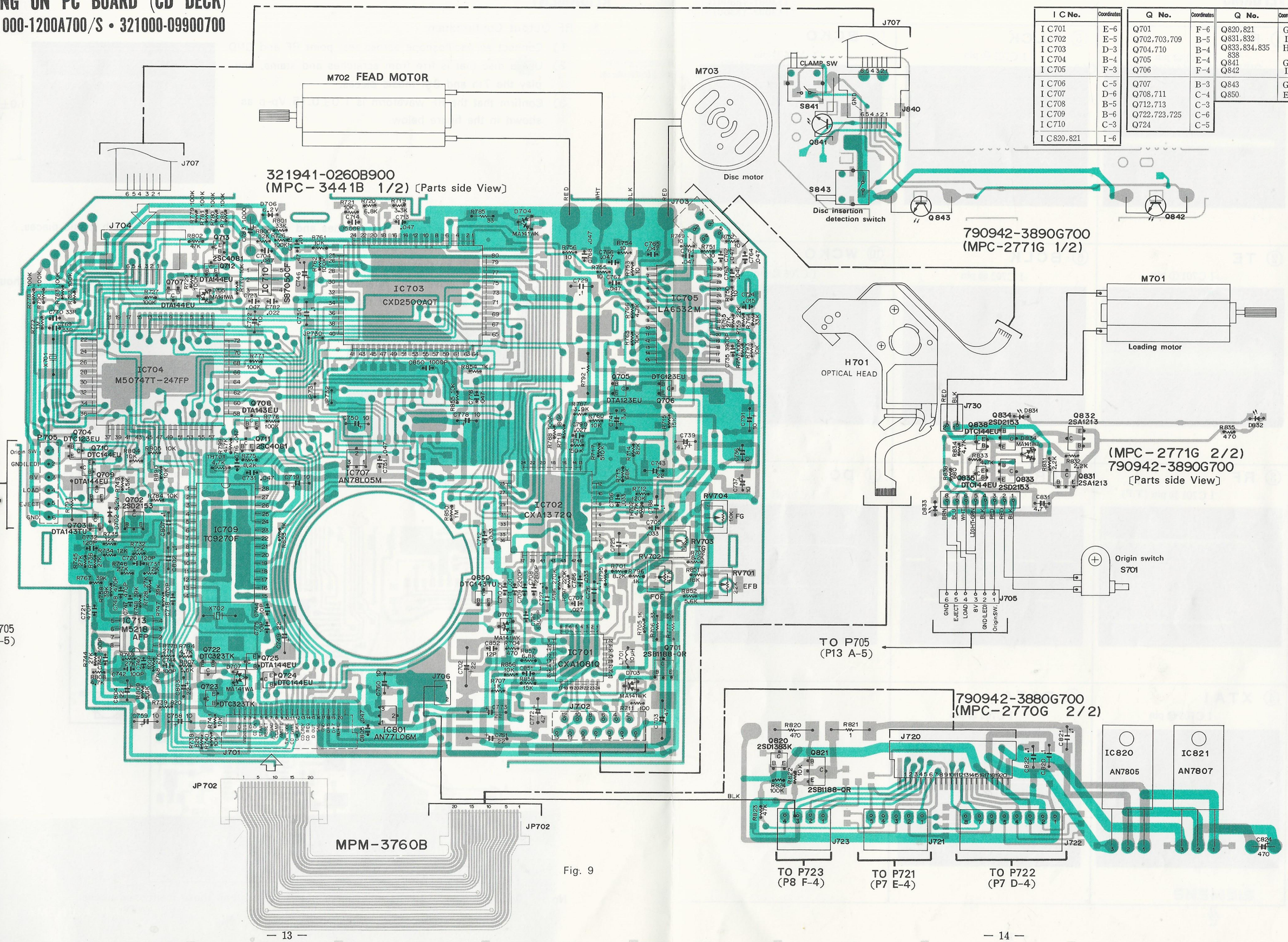


I C No.	Coordinates
I C701	E-6
I C702	E-5
I C703	D-3
I C704	B-4
I C705	F-3
I C706	C-5
I C707	D-6
I C708	B-5
I C709	B-6
I C710	C-3
I C820,821	I-6

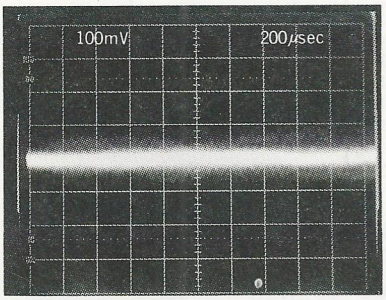
Q No.	Coordinates
Q701	F-6
Q702,703,709	B-5
Q704,710	B-4
Q705	E-4
Q706	F-4
Q707	B-3
Q708,711	C-4
Q712,713	C-3
Q722,723,725	C-6
Q724	C-5

Q No.	Coordinates
Q820,821	G-6
Q831,832	I-4
Q833,834,835 838	H-4
Q841	G-2
Q842	I-3
Q843	G-3
Q850	E-5

Fig. 9

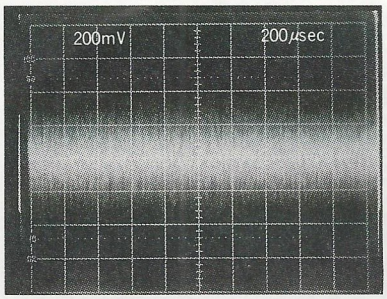
① FE

I C701 ㉜ pin



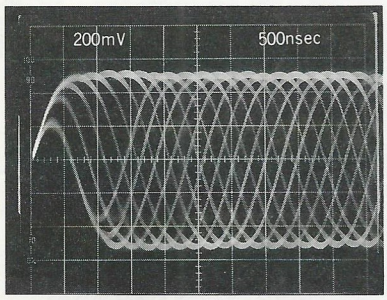
② TE

I C701 ① pin



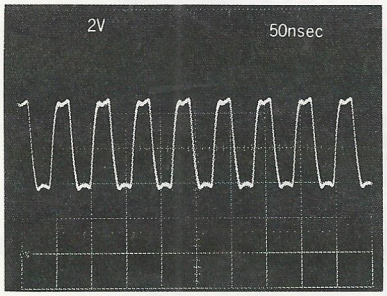
③ RF

I C701 ⑭ pin (T.P)



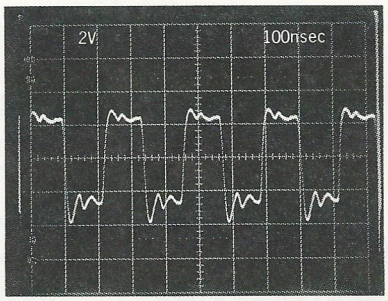
④ XTAI

I C703 ㊸ pin



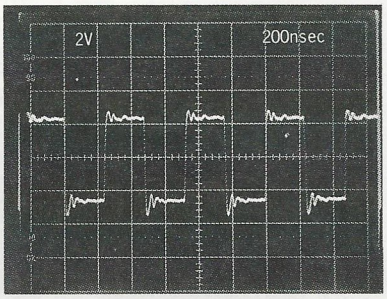
⑤ PLCK

I C703 ㊶ pin



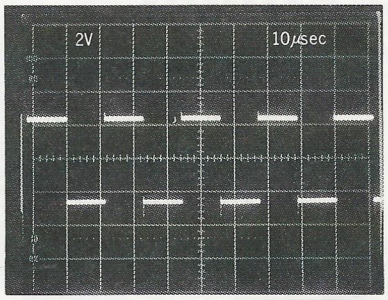
⑥ BCLK

I C703 ㉟ pin



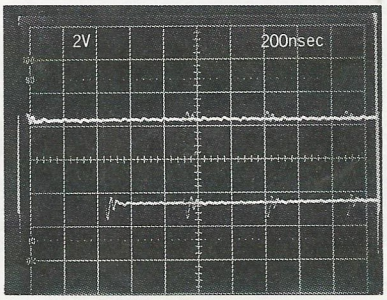
⑦ LRCK

I C703 ㉜ pin



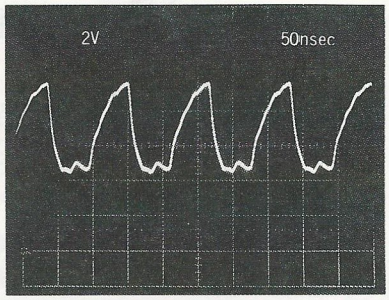
⑧ DATA

I C706 ㉒ pin



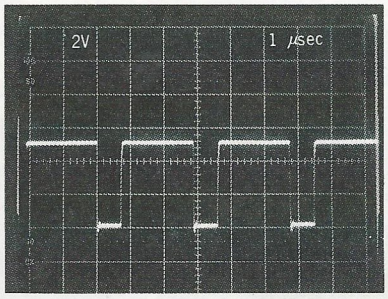
⑨ BCKO

I C706 ⑲ pin



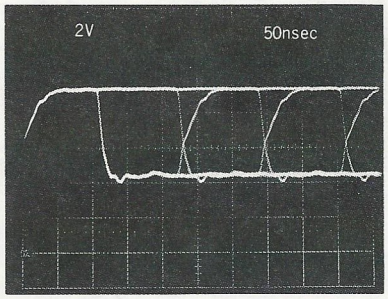
⑩ WCKO

I C706 ⑮ pin



⑪ DO

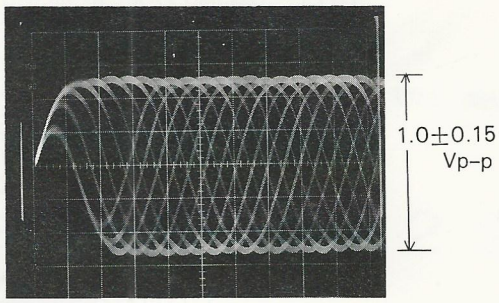
I C706 ⑭ pin



ALIGNMENT

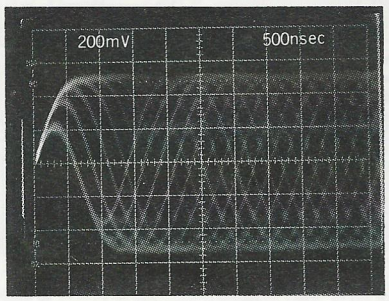
1. RF Output Confirmation

   1) Connect an oscilloscope across test point RF and GND.
   2) Use a disc that is frre from scratches and stains, and play the 7th and 8th music pieces.
   3) Confirm that the RF waveform is 1.0±0.15 Vp-p as shown in the figure below.

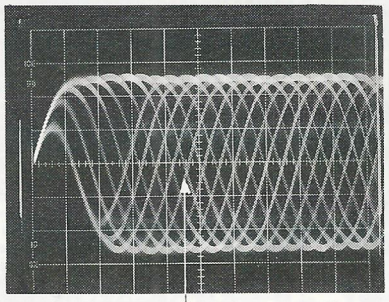


2. F.O.F. Adjustment

   1) Use a disc that is free from scratches and stains, and play the 7th and 8th music pieces.
   2) Connect an oscilloscope across test point RF and GND.
   3) Adjust RV702 so that the RF waveform is at the maximum level and correct.
   (The "correct waveform" referred to here means that a diamond shape can observed without deformation at the center of the waveform.)



NG



Here means that a diamond shape can observed without deformation.

OK

〔TEST POINT〕

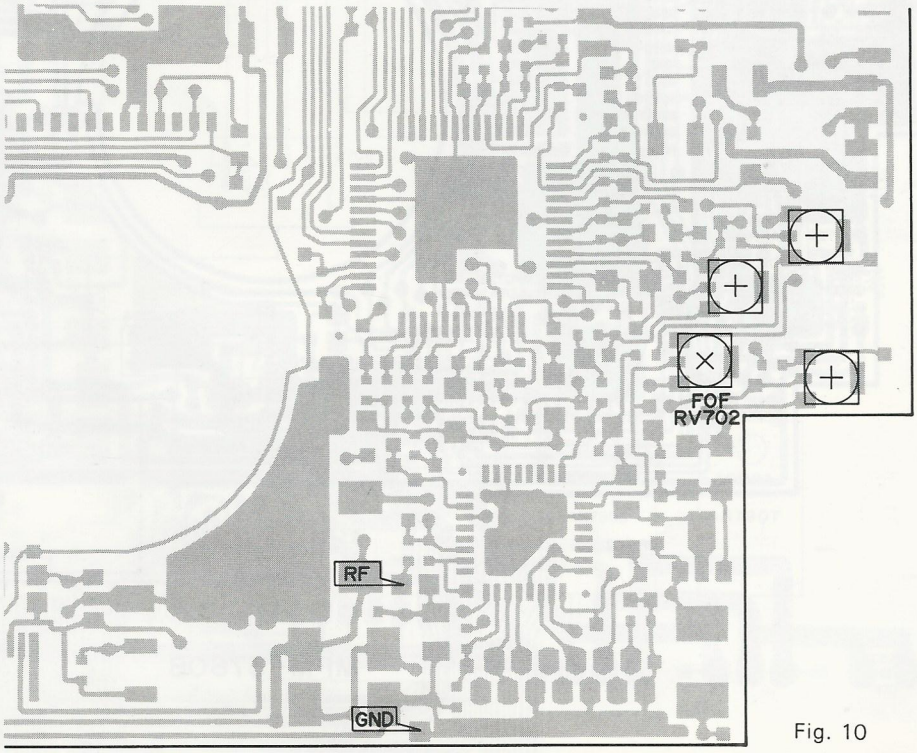


Fig. 10

Note: Do not tamper with the adjustment of VRs other than those mentioned above.

EXPLODED VIEW (CD DECK)

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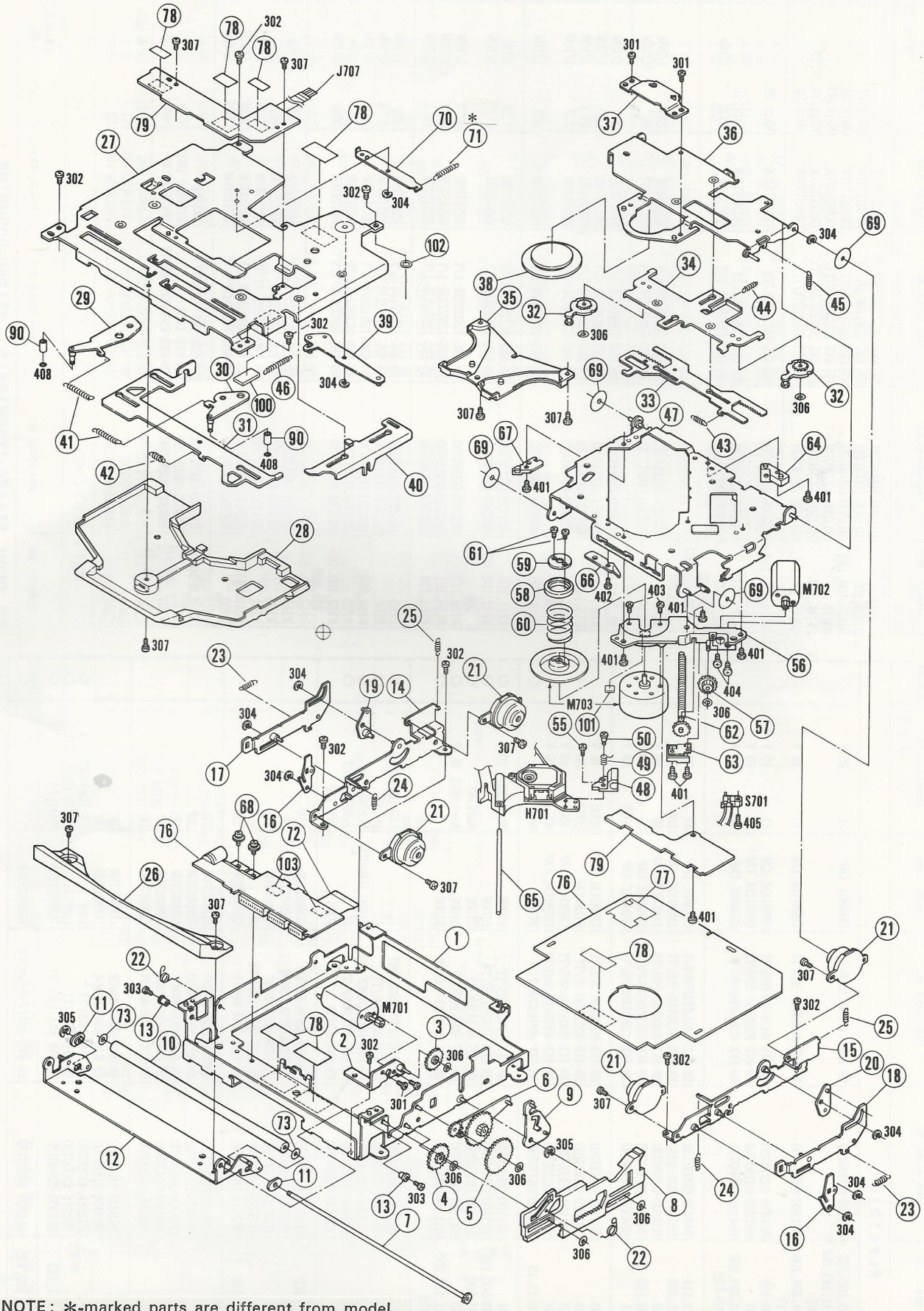

NOTE: ✱-marked parts are different from model to model.

Fig. 11

REPAIR PARTS LIST

Note:Main replacement parts are marked ○ in the remarks column.

Symbol. No.	New stock No.	Old stock No.	parts name	Description Chip:(C)	Remark
ELECTRICAL					
C1~3,102,103 111,149,161 162	954104-00990730	RN-ECK-C2F104ZYEPB/Y	CERAMIC CAP	.1 25 V	
C101,104,106 117	931100-02200750	RN-ECE-M100V16-303/TT	CHEMICAL CAP	10 16 V	
C108,150	931470-02370750	RN-ECE-M470V10-609/TT	CHEMICAL CAP	47 10 V	
C110	931220-02190750	RN-ECE-M220V10-303/TT	CHEMICAL CAP	22 10 V	
C112,139,152 166~172	954103-00960730	RN-ECK-C2B103MYHPB/Y	CERAMIC CAP	.01 50 V	
C113,114	944470-02600730	RN-ECC-C2SL470JYHPB/Y	CERAMIC CAP	47 p 50 V	
C115,160	931100-02150750	RN-ECE-M101V10-302/TT	CHEMICAL CAP	100 10 V	
C116	934100-01580730	RN-ECY-S100V16-301/TY	TANTALUM CAP	10 16 V	
C118,120	944330-02300730	RN-ECC-C2CH330JYHPB/Y	CERAMIC CAP	33 p 50 V	
C151	954333-00960730	RN-ECK-C2B333MYHPB/Y	CERAMIC CAP	.033 50 V	
C158	931102-01830750	RN-ECE-M102V16 301/TT	CHEMICAL CAP	1000 16 V	
C159	937223-00350750	RN-ECF-R223V50-JC/TT	FILM CAP	.022 50 V	
C163	931101-03660750	RN-ECE-M101V10-907/TT	CHEMICAL CAP	100 10 V	
C164	931470-02200750	RN-ECE-M470V16-303/TT	CHEMICAL CAP	47 16 V	
D1~8,13,15	811100-04770750	RN-EDP-MPG4828K/TT	DIODE	GRN	○
D101	911100-00690730	RN-EDT-RD100MB3/TY	DIODE	Mark:103 10V	○
D103~106,112	811100-09450780	RN EDS-1SS254-52/TM	DIODE		○
D107,108	811100-08150730	RN-EDS-MA151WK/TY	DIODE	Mark:MT	○
D110	9119R1-00690730	RN-EDT-RD9R1MB3/TY	DIODE	Mark:913 9.1V	○
D115,120,200 201	811100-09230780	RN-EDS-1SR139-100/TM	DIODE		○
IC1	811600-20060700	RN-EID-UPD7225GB-3B7	IC	LCD DRIVER	○
IC101	811600-01060730	RN-EIC-BA4560F/TY	IC	OP-AMP.	○
IC102	113923-01500800	RN-EIM-UPD75104GF-925	MICRO COMPUTER	CONTROLLAR	○
IC109	811600-07780730	RN-EIC-S87050EF/TY	IC	V-REG,RESET	○
J1	790145-4490A700	RN-EWJ-6785A	CORD S.	DIN 13P	
J101,102	981011-0118A700	RN-EJU-4033A-FBC11	CONNECTOR	11P	
J111	981007-0118A700	RN-EJU-4033A-FBC07	CONNECTOR	7P	
J112	981010-01180700	RN-EJU-4033-FBC10	CONNECTOR	10P	
L101	9836R8-00220730	RN-ELH-D6R8-1004/TY	COIL	6.8uH	
P101,102	981011-01190700	RN-EJU-4034-MAC11	CONNECTOR	11P	
P111	981007-01190700	RN-EJU-4034-MAC07	CONNECTOR	7P	
P112	981010-01190700	RN-EJU-4034-MAC10	CONNECTOR	10P	
P206	981006-00420700	RN-EJU-4006-MAW06	CONNECTOR	6P	
P207	981008-00420700	RN-EJU-4006-MAW08	CONNECTOR	8P	
P721	981005-01500700	RN-EJU-4048-MAW05	CONNECTOR	5P	
P722	981008-01500700	RN-EJU-4048-MAW08	CONNECTOR	8P	
P723	981004-01500700	RN-EJU-4048-MAW04	CONNECTOR	4P	
PL1,2	791311-43700790	RN-EPM-1620/TY	LAMP S.	8V 70mA(GRN)LCD	○
PL3	791311-42600790	RN-EPM-1609/TY	LAMP S.	14.5V 65mA(GRN)	○
Q1,141,142	811300-02940730	RN-EVS-DTA114EK/TY	TRANSISTOR	Mark:14	○
Q101,102,125	811300-16860730	RN-EVS-2SD1758F5QR/TY	TRANSISTOR		○
127	811300-16860730	RN-EVS-2SD1758F5QR/TY	TRANSISTOR		○
Q103,129	811300-09070730	RN-EVS-2SB1188-QR/TY	TRANSISTOR	Mark:RT	○
Q107,130,132	811300-04010730	RN-EVS-DTC114EK/TY	TRANSISTOR	Mark:24	○
Q112	811300-13270730	RN-EVS-2SC2873-Y/TY	TRANSISTOR	Mark:MO	○
Q114,116	811300-17700730	RN-EVS-2SD601-QRS/TY	TRANSISTOR	Mark:YQ,YR,YS	○
Q115	811300-03190730	RN-EVS-DTA123YK/TY	TRANSISTOR	Mark:52	○
Q119,122,124 128	811300-04640730	RN-EVS-DTC144EK/TY	TRANSISTOR	Mark:26	○
Q120,133	811300-03550730	RN-EVS-DTA144EK/TY	TRANSISTOR	Mark:16	○
R1~3,122 125~128 136~141,167 176,201	922104-00090730	RN-ERG-12B104JR-1/Y	RESISTOR	100K 1/10W	
R4	922224-00090730	RN-ERG-12B224JR-1/Y	RESISTOR	220K 1/10W	
R5,8	922560-00090730	RN-ERG-12B560JR-1/Y	RESISTOR	56 1/10W	
R6,7,11,12	922820-00090730	RN-ERG-12B820JR-1/Y	RESISTOR	82 1/10W	
R14	922151-00090730	RN-ERG-12B151JR-1/Y	RESISTOR	150 1/10W	
R15,143	922473-00090730	RN-ERG-12B473JR-1/Y	RESISTOR	47 K 1/10W	
R102,103,179 180	9222R2-00090730	RN-ERG-12B2R2JR-1/Y	RESISTOR	2.2 1/10W	
R104,105	922681-00090730	RN-ERG-12B681JR-1/Y	RESISTOR	680 1/10W	
R111,186	921122-00220780	RN-ERD-AC122J-11/TM	RESISTOR	1.2K 1/8W	
R112,158,187 189	922103-00090730	RN-ERG-12B103JR-1/Y	RESISTOR	10 K 1/10W	
R116,117	922333-00090730	RN-ERG-12B333JR-1/Y	RESISTOR	33 K 1/10W	
R119,121	922223-00090730	RN-ERG-12B223JR-1/Y	RESISTOR	22 K 1/10W	
R123,124	922563-00090730	RN-ERG-12B563JR-1/Y	RESISTOR	56 K 1/10W	
R155	922821-00090730	RN-ERG-12B821JR-1/Y	RESISTOR	820 1/10W	
R156	922102-00090730	RN-ERG-12B102JR-1/Y	RESISTOR	1 K 1/10W	
R164,250	922123-00090730	RN-ERG-12B123JR-1/Y	RESISTOR	12 K 1/10W	
R172	921330-00220780	RN-ERD-AC330J-11/TM	RESISTOR	33 1/8W	
R182,183,185 401,402	922221-00090730	RN-ERG-12B221JR-1/Y	RESISTOR	220 1/10W	
R184	921391-00220780	RN-ERD-AC391J-11/TM	RESISTOR	390 1/8W	
R188	921680-00430700	RN-ERG-AJ680J	RESISTOR	68 3 W	
R251	921152-00220780	RN-ERD-AC152J-11/TM	RESISTOR	1.5K 1/8W	
R310,311	922822-00090730	RN-ERG-12B822JR-1/Y	RESISTOR	8.2K 1/10W	
R403	922393-00090730	RN-ERG-12B393JR-1/Y	RESISTOR	39 K 1/10W	
S1~6,8~10	815100-00650790	RN-ESB-1N1-1060/TY	SWITCH		○
VE1	790921-20100700	RN-EVE-1175	DISPLAY UNIT	LCD	○
X101	818200-00270790	RN-EXB-CSA4R00MGCM/TY	OSCILLATOR	4MHz	

	Illus. No.	New stock No.	Old stock No.	parts name	Description	Q'ty	Remark
	MECHANICAL						
	501	790861-4740D700	RN-MAD-1676D	CHASSIS	MAIN	1	
	502	790861-4750B700	RN-MAD-1677B	CHASSIS	TOP	1	
*1	503	113114-02900700		PANEL S.	For 113001-1830	1	
*2	503	113114-03500700		PANEL S.	For 113003-1830	1	
	506	790855-2820A700	RN-MHE-2785A	HOLDER	For deck(right)	1	
	507	790855-28300700	RN-MHE-2786	HOLDER	For deck(left)	1	
	508	790866-6700A700	RN-MIP-1926A	INSULATOR	For bottom	1	
	509	790836-26000700	RN-MLC-1410	LIGHT SHIELD		3	
	510	790872-70300700	RN-MSE-3057	SPACER		1	
	511	790855-2840A700	RN-MHE-2787A	HOLDER	For LCD	1	
	512	790849-3720A700	RN-MLF-1591A	OPTICAL FILTER	For LCD	1	
	513	790872-5650B700	RN-MSE-2919B	SPACER	For LCD	1	
	☆516	———	———	CIRCUIT S.	MAIN	1	
	☆517	———	———	CIRCUIT S.	PANEL	1	
*1	521	321000-1200A700/S	RN-MDA-09-20A/S	CD DECK A.	For 113001-1830	1	
*2	521	321000-09900700	(MDA-09-13)	CD DECK A.	For 113003-1830	1	
	601	871401-03060700	F6-SBD-3X6S	SCREWS	3x6mm	4	
	602	871401-03040700	F6-SBD-3X4S	SCREWS	3x4mm	4	
	603	134882-00100700	RN-MET-1457	SCREW	For panel P.C.B	4	

NOTE: 1. Specifications subject to change without prior notice.
2. It takes long time to supply some parts marked ☆ since we do not always have them in store.
3. *-marked parts are different from model to model.
(*1 : 113001-18300151, *2 : 113003-18300151)

CD DECK 321000-1200A700/S • 321000-09900700

Symbol. No.	New stock No.	Old stock No.	parts name	Description Chip:(C)	Remark
ELECTRICAL					
C702,749	934220-01560730	RN-ECY-S220V06-301/TY	TANTALUM CAP	22 6 V	
C703	934470-01560730	RN-ECY-S470V06-301/TY	TANTALUM CAP	47 6 V	
C704,713,716 723,731,751 761~768,776 805	954473-01430730	RN-ECK-C6D473KXBPB/Y	CERAMIC CAP	.047 16 V	
C705,706,712 786	954333-01360730	RN-ECK-C6D333KXBPC/Y	CERAMIC CAP	.033 16 V	
C707,790	954273-01360730	RN-ECK-C6D273KXBPC/Y	CERAMIC CAP	.027 16 V	
C708,709,861	954222-01420730	RN-ECK-C6B222KYHPB/Y	CERAMIC CAP	2200p 50 V	
C710,711,715	954103-01420730	RN-ECK-C6B103KYHPB/Y	CERAMIC CAP	.01 50 V	
C714	954152-01420730	RN-ECK-C6B152KYHPB/Y	CERAMIC CAP	1500p 50 V	
C718,721,747 748	944471-05400730	RN-ECC-C6SL471JYHPB/Y	CERAMIC CAP	470 p 50 V	
C719,750,758 759,791	931100-05220730	RN-ECE-R100V16-521/TY	CHEMICAL CAP	10 16 V	
C720,732	944121-05400730	RN-ECC-C6SL121JYHPB/Y	CERAMIC CAP	120 p 50 V	
C722,760,778	931100-04570730	RN-ECE-R100V6R-511/TY	CHEMICAL CAP	10 6 V	
C724	954153-01440730	RN-ECK-C6D153KXEPB/Y	CERAMIC CAP	.015 25 V	
C725~727,729 730,788,802 807,820~822	954104-00050730	RN-ECK-CD1E104M-1/TY	CERAMIC CAP	.1 25 V	
C735	954392-01420730	RN-ECK-C6B392KYHPB/Y	CERAMIC CAP	3900p 50 V	
C736,737	931100-04580730	RN-ECE-R100V4R-511/TY	CHEMICAL CAP	10 4 V	
C739	9314R7-04550730	RN-ECE-R4R7V16-511/TY	CHEMICAL CAP	4.7 16 V	
C740,742,744 745	944101-05400730	RN-ECC-C6SL101JYHPB/Y	CERAMIC CAP	100 p 50 V	
C741	9313R3-04550730	RN-ECE-R3R3V16-511/TY	CHEMICAL CAP	3.3 16 V	
C743,803,804	931220-04580730	RN-ECE-R220V4R-511/TY	CHEMICAL CAP	22 4 V	
C746	934R47-01600730	RN-ECY-SR47V35-301/TY	TANTALUM CAP	.47 35 V	
C769,770	944330-05220730	RN-ECC-C6CH330JYHPB/Y	CERAMIC CAP	33 p 50 V	
C772	9344R7-01570730	RN-ECY-S4R7V10-301/TY	TANTALUM CAP	4.7 10 V	
C773,781	934220-01550730	RN-ECY-S220V04-301/TY	TANTALUM CAP	22 4 V	
C774,775	944100-05210730	RN-ECC-C6CH100DYHPB/Y	CERAMIC CAP	10 p 50 V	
C782	954223-01430730	RN-ECK-C6D223KXBPB/Y	CERAMIC CAP	.022 16 V	
C783	931102-00760700	RN-ECE-M102V16-51	CHEMICAL CAP	1000 16 V	
C787	954332-01420730	RN-ECK-C6B332KYHPB/Y	CERAMIC CAP	3300p 50 V	
C824	931471-01830700	RN-ECE-M471V16-301	CHEMICAL CAP	470 16 V	
C831	9314R7-04550730	RN-ECE-R4R7V16-511/TY	CHEMICAL CAP	4.7 16 V	
C850	954102-01420730	RN-ECK-C6B102KYHPB/Y	CERAMIC CAP	1000p 50 V	
C862	944680-05220730	RN-ECC-C6CH680JYHPB/Y	CERAMIC CAP	68 p 50 V	
D701,703,704	811100-08070730	RN-EDS-MA141WK/TY	DIODE	Mark:MT	○○○
D702	9118R2-01120730	RN-EDT-MA8082-M/TY	DIODE		
D705,707	811100-08060730	RN-EDS-MA141WA/TY	DIODE	Mark:MN	
D706	9116R2-01120730	RN-EDT-MA8062-M/TY	DIODE		○○
D831~833	811100-05450730	RN-EDP-PR1102W/TY	DIODE		

Symbol. No.	New stock No.	Old stock No.	parts name	Description Chip:(C)	Remark
D834	811100-08060730	RN-EDS-MA141WA/TY	DIODE	Mark:MN	○
FL600	814100-05090700		FILTER		
H701	816200-0006B700	RN-EHO-1010	OPTICAL HEAD	PICK UP UNIT	○
IC701	811600-01370700	RN-EIC-CXA1081Q	IC	RF.AMP	○
IC702	811600-01480700	RN-EIC-CXA1372Q	IC		○
IC703	811600-21210700	RN-EID-CXD2500AQT	IC	S.PROCESSOR	○
IC704	321923-00200700	RN-EIM-M50747T-247FP	MICRO COMPUTER	CONTROLLER	○
IC705	811600-02870730	RN-EIC-LA6532M/TY	IC	MOTOR DRIVE	○
IC707	811600-10780730	RN-EIC-UPC78L05T/TY	IC	REG.	○
IC709	811600-30140740	RN-EID-TC9270F/TZ	IC	D/A CONVERTER	○
IC710	811600-07760730	RN-EIC-S87050CF/TY	IC	REG./RESET	○
IC713	811600-20740730	RN-EIC-M5218AFP/TY	IC	OP.AMP.	○
IC801	811600-31070730	RN-EIC-AN77L06M/TY	IC	REG.	○
IC820	811600-00560700	RN-EIC-AN7805	IC	REG.	○
IC821	811600-00590700	RN-EIC-AN7807	IC	REG.	○
J701,720	981020-01210730	RN-EJU-9063-FBC20/TY	CONNECTOR	20P	
J702	981013-01220700	RN-EJU-4036-FAN13	CONNECTOR	13P	
J703	981005-01220700	RN-EJU-4036-FAN05	CONNECTOR	5P	
J704	981006-01240730	RN-EJU-4039-FBN06/TY	CONNECTOR	6P	
J705	790141-08600700	RN-EWI-1826	CORD S.	8P-6P	
J706	790141-52800700	RN-EWI-2262	CORD S.	WITH 2P	
J707	790141-3700A700	RN-EWI-2104A	CORD S.		
J721	981005-01490700	RN-EJU-4047-FBW05	CONNECTOR	5P	
J722	981008-01490700	RN-EJU-4047-FBW08	CONNECTOR	8P	
J723	981004-01490700	RN-EJU-4047-FBW04	CONNECTOR	4P	
J730	790141-08700700	RN-EWI-1827	CORD S.	2P	
J840	981006-01470730	RN-EJU-4045-FBN06/TY	CONNECTOR	6P	
L701	818300-01750730	RN-ELH-D100-1008/TY	COIL	10uH	
M701	815500-0068A700	RN-EDM-1153A	MOTOR	FOR LOADING	○
M702	815500-0046A700	RN-EDM-1131A	MOTOR		○
M703	815500-00930700/S	RN-EDM-1167/S	MOTOR	FOR DISK	○
P705	981006-00420700	RN-EJU-4006-MAW06	CONNECTOR	6P	
Q701,821	811300-09070730	RN-EVS-2SB1188-QR/TY	TRANSISTOR	Mark:RT	○
Q702,833,834	811300-17400730	RN-EVS-2SD2153-VW/TY	TRANSISTOR		○
Q703	811300-03460730	RN-EVS-DTA143TU/TY	TRANSISTOR	Mark:93	○
Q704,706	811300-04230730	RN-EVS-DTC123EU/TY	TRANSISTOR	Mark:22	○
Q705	811300-03160730	RN-EVS-DTA123EU/TY	TRANSISTOR	Mark:12	○
Q707,709,712 725	811300-03580730	RN-EVS-DTA144EU/TY	TRANSISTOR	Mark:16	○
Q708	811300-03430730	RN-EVS-DTA143EU/TY	TRANSISTOR	Mark:13	○
Q710,724	811300-04670730	RN-EVS-DTC144EU/TY	TRANSISTOR	Mark:26	○
Q711,713,860	811300-14400730	RN-EVS-2SC4081-RS/TY	TRANSISTOR	Mark:BR,BS	○
Q722,723	811300-04790730	RN-EVS-DTC323TK/TY	TRANSISTOR	Mark:H02	○
Q820	811300-16460730	RN-EVS-2SD1383K/TY	TRANSISTOR	Mark:WA	○
Q831,832	811301-07590730	RN-EVS-2SA1213-Y/TY	TRANSISTOR		○
Q835,838	811300-04670730	RN-EVS-DTC144EU/TY	TRANSISTOR	Mark:26	○
Q841~843	790925-03400700	RN-EVH-PN147R	PHOTO COUPLER		○
Q850	811300-04550730	RN-EVS-DTC143TU/TY	TRANSISTOR		○

Symbol. No.	New stock No.	Old stock No.	parts name	Description Chip:(C)	Remark
R701,702,775	922822-00250730	RN-ERG-I6A822JR-1/Y	RESISTOR	8.2K 1/16W	
R704,861	922471-00250730	RN-ERG-I6A471JR-1/Y	RESISTOR	470 1/16W	
R705,707,795	922102-00250730	RN-ERG-I6A102JR-1/Y	RESISTOR	1 K 1/16W	
796,853,854 865					
R706,777,785	922330-00010730	RN-ERG-IC330J-1/TY	RESISTOR	33 1/8W	
R711,860	922101-00250730	RN-ERG-I6A101JR-1/Y	RESISTOR	100 1/16W	
R712	922124-00250730	RN-ERG-I6A124JR-1/Y	RESISTOR	120K 1/16W	
R713	922683-00250730	RN-ERG-I6A683JR-1/Y	RESISTOR	68 K 1/16W	
R714,800	922823-00250730	RN-ERG-I6A823JR-1/Y	RESISTOR	82 K 1/16W	
R715	922153-00250730	RN-ERG-I6A153JR-1/Y	RESISTOR	15 K 1/16W	
R716	922154-00250730	RN-ERG-I6A154JR-1/Y	RESISTOR	150K 1/16W	
R717	812100-03230730	RN-ERG-I6A514JR-1/Y	RESISTOR	510K 1/16W	
R718	922184-00250730	RN-ERG-I6A184JR-1/Y	RESISTOR	180K 1/16W	
R719	922332-00250730	RN-ERG-I6A332JR-1/Y	RESISTOR	3.3K 1/16W	
R720	922682-00250730	RN-ERG-I6A682JR-1/Y	RESISTOR	6.8K 1/16W	
R721,760,761 763,770,784 793,804,805 822,855,863 890	922103-00250730	RN-ERG-I6A103JR-1/Y	RESISTOR	10 K 1/16W	
R726,727,729 757,762,771 776,778~783 788~790,824	922104-00250730	RN-ERG-I6A104JR-1/Y	RESISTOR	100K 1/16W	
R728,736,745 746,765,768 769,773,774	922273-00250730	RN-ERG-I6A273JR-1/Y	RESISTOR	27 K 1/16W	
R731,732,734 735	922123-05840730	RN-ERG-I6A123FR-2/Y	RESISTOR	12 K 1/16W	
R738,739	922821-00250730	RN-ERG-I6A821JR-1/Y	RESISTOR	820 1/16W	
R740,741	922103-05840730	RN-ERG-I6A103FR-2/Y	RESISTOR	10 K 1/16W	
R743	922152-00250730	RN-ERG-I6A152JR-1/Y	RESISTOR	1.5K 1/16W	
R747,748,758 767	922393-05840730	RN-ERG-I6A393FR-2/Y	RESISTOR	39 K 1/16W	
R749~756	922100-00250730	RN-ERG-I6A100JR-1/Y	RESISTOR	10 1/16W	
R759	922223-00250730	RN-ERG-I6A223JR-1/Y	RESISTOR	22 K 1/16W	
R764,801	922333-00250730	RN-ERG-I6A333JR-1/Y	RESISTOR	33 K 1/16W	
R766,799	922472-00250730	RN-ERG-I6A472JR-1/Y	RESISTOR	4.7K 1/16W	
R772,850	922105-00250730	RN-ERG-I6A105JR-1/Y	RESISTOR	1 M 1/16W	
R786	922274-00250730	RN-ERG-I6A274JR-1/Y	RESISTOR	270K 1/16W	
R787	922392-00250730	RN-ERG-I6A392JR-1/Y	RESISTOR	3.9K 1/16W	
R792,821	9221R0-00260730	RN-ERG-IOG1R0JR-1/Y	RESISTOR	1 1 W	
R794,808	922472-05840730	RN-ERG-I6A472FR-1/Y	RESISTOR	4.7K 1/16W	
R797	922224-00250730	RN-ERG-I6A224JR-1/Y	RESISTOR	220K 1/16W	
R802,823	922473-00250730	RN-ERG-I6A473JR-1/Y	RESISTOR	47 K 1/16W	
R807,809	922562-05840730	RN-ERG-I6A562FR-2/Y	RESISTOR	5.6K 1/16W	
R820	922471-00260730	RN-ERG-IOG471JR-1/Y	RESISTOR	470 1 W	
R831,832	922222-00090730	RN-ERG-I2B222JR-1/Y	RESISTOR	2.2K 1/10W	
R833,834	922472-00090730	RN-ERG-I2B472JR-1/Y	RESISTOR	4.7K 1/10W	

Symbol. No.	New stock No.	Old stock No.	parts name	Description Chip:(C)	Remark
R835	922471-00090730	RN-ERG-12B471JR-1/Y	RESISTOR	470 1/10W	
R838	922681-00090730	RN-ERG-12B681JR-1/Y	RESISTOR	680 1/10W	
R851	922183-00250730	RN-ERG-16A183JR-1/Y	RESISTOR	18 K 1/16W	
R852	922562-00250730	RN-ERG-16A562JR-1/Y	RESISTOR	5.6K 1/16W	
R862	922561-00250730	RN-ERG-16A561JR-1/Y	RESISTOR	560 1/16W	
R863,874	922123-00250730	RN-ERG-16A123JR-1/Y	RESISTOR	12 K 1/16W	
R864	922394-00250730	RN-ERG-16A394JR-1/Y	RESISTOR	390K 1/16W	
RV701	812300-09210730	RN-ERT-CM203-007/TY	VAR RESISTOR	22K	
RV702	812300-09580730	RN-ERT-CM503-007/TY	VAR RESISTOR	47K	
RV703,704	812300-09030730	RN-ERT-CM103-007/TY	VAR RESISTOR	10K	
S701	815100-00320700	RN-ESB-1N1-1016	SWITCH	ORIGIN SW.	○
S841,843	815100-00620790	RN-ESB-1N1-1057/TY	SWITCH		○
TH701,702	812100-13950730	RN-EVT-NC23JH472K/TY	RESISTOR	4.7K	
X701	818200-00360790	RN-EXB-CSA8MT/TY	OSCILLATOR	8MHz	
X702	818200-01680700	RN-EXD-1054	OSCILLATOR	16.9344MHz	

Illus. No.	New stock No.	Old stock No.	parts name	Description	Q'ty	Remark
MECHANICAL						
1	790861-7480C700	RN-MAS-1233C	CHASSIS	MAIN	1	
2	790854-9940A700		HOLDER	FOR MOTOR	1	
3	790823-19500700	RN-MUG-1317	GEAR		1	
4	790823-19600700	RN-MUG-1318	GEAR		1	
5	790823-1970A700	RN-MUG-1319A	GEAR		1	
6	790854-9950B700	RN-MHE-2499B	HOLDER	FOR GEAR	1	
7	790811-0970C700		SHAFT	FOR ROLLER GEAR	1	
8	790821-3480F700		LEVER	RACK	1	
9	790821-3490B700	RN-MUL-1618B	LEVER	TRIGGER	1	
10	790824-08800700	RN-MRP-1188	PULLEY	ROLLER	1	
11	790872-90300700	RN-MST-1209	SPACER	ROLLER BEARING	2	
12	790814-0120A700	RN-MHG-1017A	RAIL		1	
13	790872-8550A700	RN-MST-1158A	SPACER		2	
14	790854-9960A700		HOLDER	DAMPER HOLDER L	1	
15	790854-99700700	RN-MHE-2501	HOLDER	DAMPER HOLDER R	1	
16	790821-35100700	RN-MUL-1620	LEVER	LOCK LEVER R	2	
17	790821-3520B700		LEVER	LOCK LEVER FL	1	
18	790821-3530A700		LEVER	LOCK LEVER FR	1	
19	790821-3540A700	RN-MUL-1623A	LEVER	LOCK LEVER RL	1	
20	790821-3550A700	RN-MUL-1624A	LEVER	LOCK LEVER RR	1	
21	790872-29000700	RN-MSE-2645	SPACER	DAMPER	4	
22	790828-3840D700	RN-MSC-1657D	SPRING	GUIDE RAIL	2	
23	790828-38600700	RN-MSC-1659	SPRING	LOCK R	1	
24	790828-3870B700		SPRING	(FRONT)	2	
25	790828-4780A700		SPRING	(REAR)	2	
26	790872-2910A700	RN-MSE-2646A	SPACER	OPENING GUIDE	1	
27	790854-9980D700	RN-MHE-2502D	HOLDER	MAIN HOLDER	1	
28	790872-2920E700	RN-MSE-2647E	SPACER	OPENING GUIDE	1	
29	790821-3560B700	RN-MUL-1625B	LEVER	FOR DETECTION L	1	
30	790821-3570B700	RN-MUL-1626B	LEVER	FOR DETECTION R	1	
31	790821-3590D700		LEVER	FOR DETECTION C	1	
32	790821-3610B700	RN-MUL-1629B	LEVER	FOR 8cm-GUIDE	2	
33	790821-36200700	RN-MUL-1630	LEVER	RACK LEVER	1	
34	790821-3630D700		LEVER	SUB-CHASSIS	1	
35	790872-2930B700	RN-MSE-2648B	SPACER	GUIDE	1	
36	790821-3650F700		LEVER	CLAMP ARM	1	
37	321852-04500700		HOLDER	COVER	1	
38	790872-41700700	RN-MSE-2771	SPACER	CLAMPER	1	
39	790821-3660B700	RN-MUL-1634B	LEVER		1	
40	790821-3670C700		LEVER	TRIGGER LEVER	1	
41	790828-38800700	RN-MSC-1661	SPRING	FOR No.29,30	2	
42	790828-35700700	RN-MSC-1630	SPRING	FOR No.31	1	
43	790828-39000700	RN-MSC-1663	SPRING	FOR No.33	1	
44	790828-39100700	RN-MSC-1664	SPRING	FOR No.34	1	
45	790828-3920A700		SPRING	FOR No.36	1	

Illus. No.	New stock No.	Old stock No.	parts name	Description	Q'ty	Remark
46	790828-3930B700	RN-MSC-1666B	SPRING	TRIGGER	1	
47	790855-0000C700	RN-MHE-2504C	HOLDER		1	
48	790855-0010A700	RN-MHE-2505A	HOLDER		1	
49	790828-66000700	RN-MSC-1778	SPRING		1	
50	790882-33800700	RN-MET-1610	SCREW		1	
55	790882-33900700	RN-MET-1611	SCREW	1.7x4mm	1	
56	790855-0020C700	RN-MHE-2506C	HOLDER	FOR MOTOR	1	
57	790823-20100700	RN-MUG-1323	GEAR	MIDDLE GEAR	1	
58	790872-90400700	RN-MST-1210	SPACER	CHUCK	1	
59	790855-5810A700		HOLDER	FOR CHUCK HOLD	1	
60	790828-3950A700	RN-MSC-1668A	SPRING		1	
61	790882-34000700	RN-MET-1612	SCREW	1.4x3mm	2	
62	790823-2350C700		GEAR	FEED GEAR	1	
63	790855-00300700	RN-MHE-2507	HOLDER		1	
64	790855-00400700	RN-MHE-2508	HOLDER		1	
65	790811-0980A700	RN-MSI-1171A	SHAFT	FOR P.U.GUIDE	1	
66	321852-04200700		HOLDER		1	
67	790855-00600700	RN-MHE-2510	HOLDER		1	
68	871711-02040700	F6-SW2NA-2X4S	SCREWS W/WASHER	2x4mm	3	
69	790886-07500700	RN-MWP-1167	WASHER		4	
*1 71	790828-4340A700	RN-MSC-1707A	SPRING	FOR TILT LEVER	1	
*2 71	321828-00200700	RN-MSC-1805	SPRING	FOR TILT LEVER	1	
※72	790944-1000B700	RN-MPM-3760B	PC BOARD	20P(FLEXIBLE)	1	
73	790886-06600700	RN-MWP-1158	WASHER	FOR No.10	2	
☆76	————	———	CIRCUIT S.	MAIN P.C.B	1	
77	790834-19600700	RN-MRE-1295	HEATSINK		1	
※79	790942-3890G700	RN-MPC-2771G	PC BOARD	POWER P.C.B	1	
90	790872-8830A700	RN-MST-1189A	SPACER		2	
100	321872-00100700	RN-MSE-3344	SPACER		1	
101	790872-98600700	RN-MSE-3152	SPACER		1	
102	321886-00100700	RN-MWS-1094	WASHER		1	
103	321871-01200700	RN-MSE-3391	SPACER		2	
104	321828-0330A700		SPRING	LOCK L	1	
301	790882-66400700	F6-SNA-2X2.5S	SCREW	2x2.5mm	4	
302	871401-02030700	F6-SBD-2X3S	SCREWS	2x3mm	9	
303	871401-02040700	F6-SBD-2X4S	SCREWS	2x4mm	2	
304	872803-15990700	F6-ER-1.5	RETAINING RINGS	1.5mm	8	
305	872803-25000700	F6-ER-2.5	RETAINING RINGS	2.5mm	2	
306	790886-01500700	RN-MWP-1039	WASHER		5	
307	790882-10400700	RN-MET-1276	SCREW		11	
401	790882-34400700	RN-MET-1616	SCREW	2x3.5mm	8	
402	790882-37300700	RN-MET-1643	SCREW	2x2.5mm	1	
403	790882-45500700	RN-MET-1722	SCREW	1.7x3.1mm	2	
404	790882-34300700	RN-MET-1615	SCREW	2x5mm	2	
405	790882-16900700	RN-MET-1427	SCREW	2x6mm	1	
408	790886-05300700	RN-MWP-1145	WASHER	FOR ROLLER	3	

NOTE: 1. Specifications subject to change without prior notice.
2. It takes long time to supply some parts marked ☆ since we do not always have them in store.
3. ※ marked PC board does not include component parts to be mounted.
4. *-marked parts are different from model to model.
(*1 : 113001-18300151, *2 : 113003-18300151)