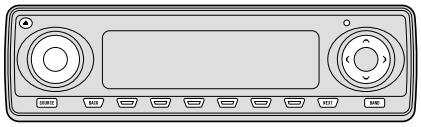
Service Manual

DEH-P930/UC



ORDER NO.
CRT2695

MULTI-CD/DAB CONTROL DSP HIGH POWER CD PLAYER WITH FM/AM TUNER

DEH-P930 UC
DEH-P9300 UC
DEH-P9350 ES

COMPACT disc DIGITAL AUDIO

● This service manual should be used together with the following manual(s):

Model No.	Order No.	Mech. Module	Remarks
CX-977	CRT2624	S9	CD Mech. Module:Circuit Description, Mech.Description, Disassembly

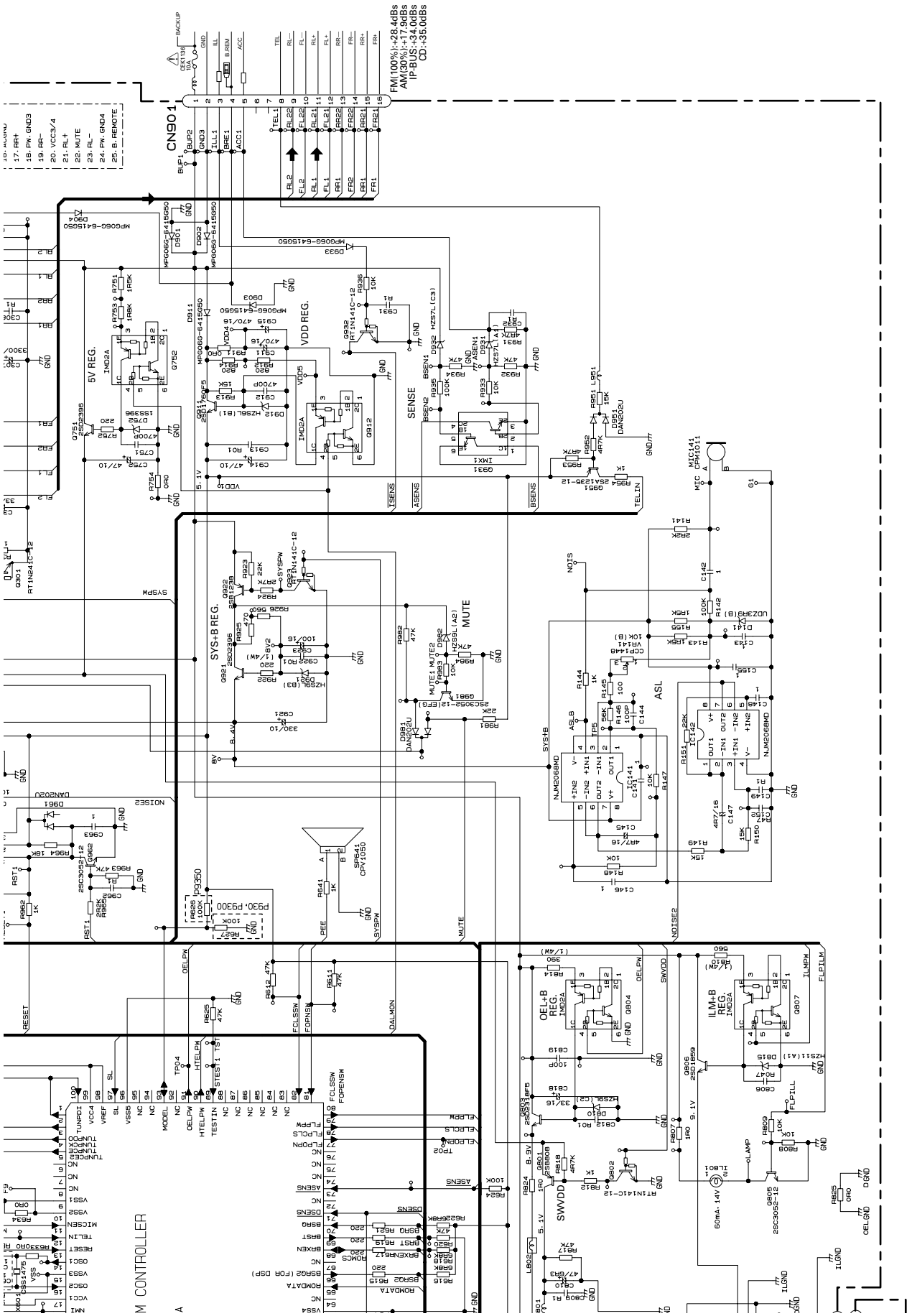
CONTENTS

PIONEER CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153-8654, Japan
PIONEER ELECTRONICS SERVICE INC. P.O.Box 1760, Long Beach, CA 90801-1760 U.S.A.
PIONEER EUROPE NV Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE.LTD. 253 Alexandra Road, #04-01, Singapore 159936

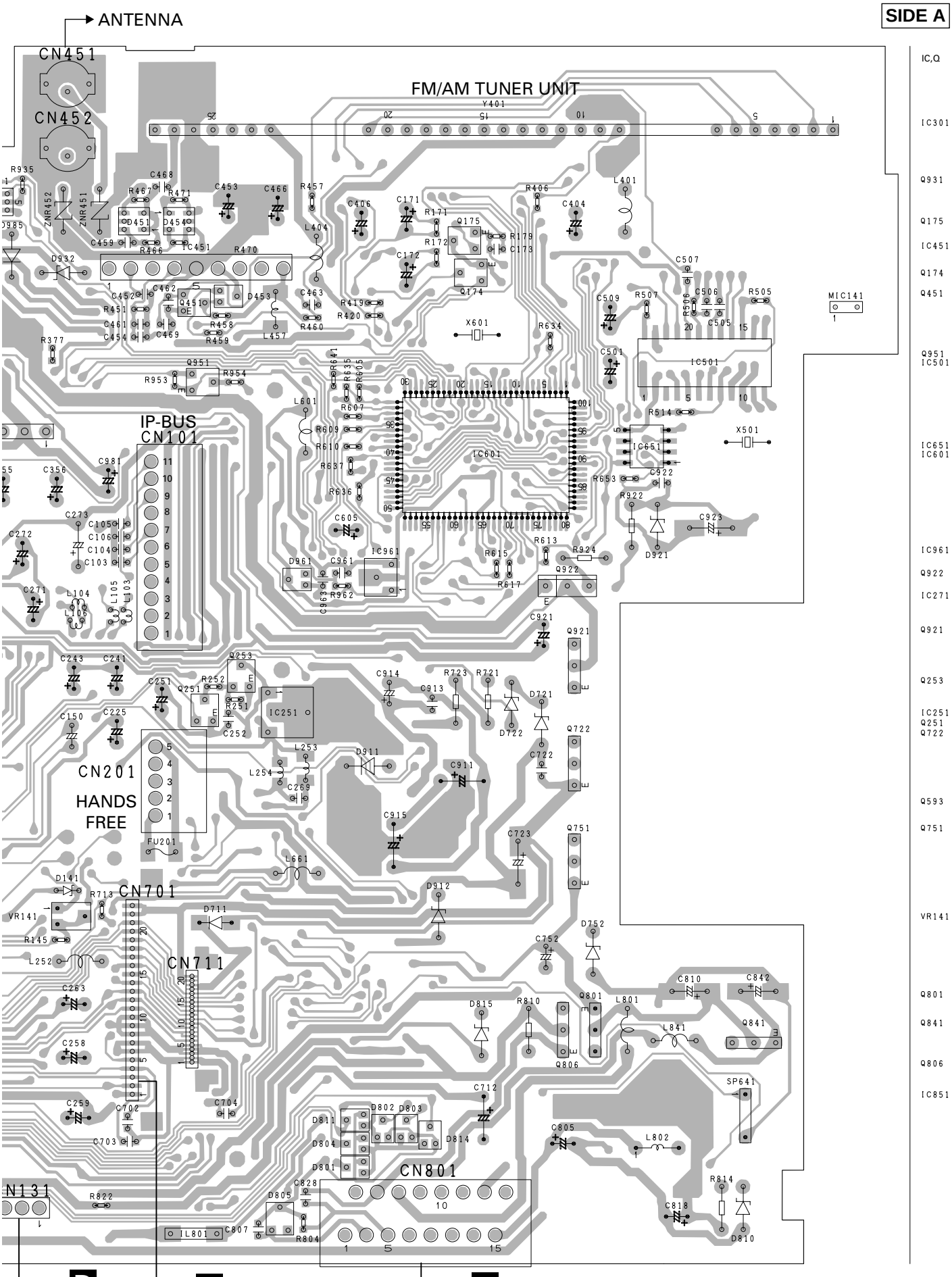
K-ZZB. MAY 2001 Printed in Japan

● EXTERIOR(2) SECTION PARTS LIST

Mark No.	Description	Part No.
1	Panel Assy	CXB6738
2	Screw	BMZ20P030FMC
3	Screw	BPZ20P060FMC
4	Screw(M2x7)	CBA1060
5	Screw(M2x3)	CBA1061
6	Screw(M2x3)	CBA1154
7	Screw(M2x1.5)	CBA1430
8	Screw(M1.4x4)	CBA1454
9	Screw(M2x1.5)	CBA1528
10	Spring	CBH2445
11	Cord	CDE5856
12	Cord	CDE5960
13	Mini-jack(CN4602)	CKN1015
14	Connector	CKS4436
15	Frame	CNC8201
16	Spacer	CNM6155
17	Spacer	CNM6156
18	Spacer	CNM7427
19	PCB	CNP5341
20	PCB	CNP5941
21	PCB	CNP6124
22	Panel	CNS6397
23	Guide	CNV5696
24	Rack	CNV5697
25	Gear	CNV5698
26	Gear	CNV5761
27	Gear Unit	CNV5762
28	Cover	CNV6573
29	Holder	CNV6575
30	Lighting Conductor	CNV6574
31	Switch(S951)	CSN1012
32	Switch(S952)	CSN1022
33	Arm Unit	CXB3574
34	Bracket Unit	CXB3577
35	Arm Unit	CXB3866
36	Holder Unit	CXB6726
37	Frame Unit	CXB6727
38	Motor(M951)	CXM1085
39	Washer	2-1816-0035-D2-00
40	Washer	2-1821-0045-D2-00


CN901
5V REG.
VDD REG.
SENSE
SYS+B REG.
MUTE
ASL
OEL+B REG.
ILM+B REG.
M CONTROLLER
P930, P9300
P9350

SIDE A



IC,Q
IC301
Q931
Q175
IC451
Q174
Q451
Q951
IC501
IC651
IC601
IC961
Q922
IC271
Q921
Q253
IC251
Q251
Q722
Q593
Q751
VR141
Q801
Q841
Q806
IC851

A B C D

=====Circuit Symbol and No.		===Part Name	Part No.
L	601	Inductor	LAU100K
L	661	Inductor	LAU100K
L	801	Inductor	LAU100K
L	802	Inductor	CTF1489
L	951	Inductor	CTF1530
X	601	Radiator 10.00MHz	CSS1475
IL	801	Lamp 60mA,14V	CEL1690
VR	141	Semi-fixed 10kΩ(B)	CCP1448
FU	201	Fuse 200mA	CEK1189
MIC	141	Microphone	CPM1011
SP	641	Buzzer	CPV1050
		DSP Unit	CWM7704
		FM/AM Tuner Unit	CWE1563

RESISTORS

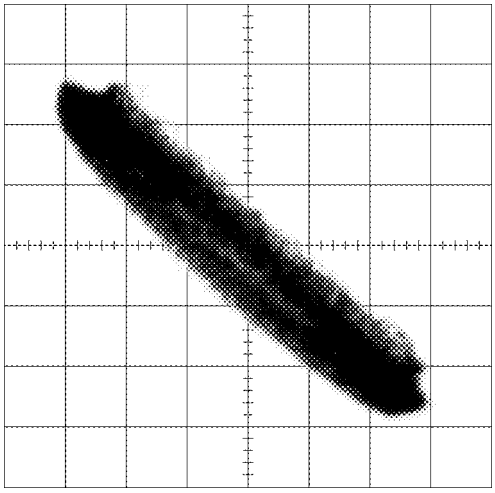
R	101		RS1/16S101J
R	102		RS1/16S470J
R	103		RS1/16S101J
R	104		RS1/16S222J
R	105		RS1/16S103J
R	107		RS1/16S332J
R	108		RS1/16S181J
R	109		RS1/16S181J
R	110		RS1/16S223J
R	111		RS1/16S223J
R	112		RS1/16S102J
R	113		RS1/16S102J
R	115		RS1/16S562J
R	116		RS1/16S150J
R	117		RS1/16S0R0J
R	118		RS1/16S0R0J
R	119		RS1/16S0R0J
R	120		RS1/16S0R0J
R	130		RS1/16S0R0J
R	131		RS1/16S104J
R	132		RS1/16S222J
R	133		RS1/16S103J
R	134		RS1/16S561J
R	135		RS1/16S223J
R	136		RS1/16S473J
R	137		RS1/16S153J
R	138		RS1/16S683J
R	139		RS1/16S682J
R	140		RS1/16S152J
R	141		RS1/16S222J
R	142		RS1/16S104J
R	143		RS1/16S152J
R	144		RS1/16S102J
R	145		RS1/16S101J
R	146		RS1/16S563J
R	147		RS1/16S103J
R	148		RS1/16S103J
R	149		RS1/16S153J
R	150		RS1/16S153J
R	151		RS1/16S223J
R	152		RS1/16S4702D
R	154		RS1/16S4702D
R	155		RS1/16S152J
R	161		RS1/16S272J
R	162		RS1/16S272J
R	163		RS1/16S162J
R	164		RS1/16S162J
R	171		RS1/16S0R0J
R	172		RS1/16S0R0J
R	201		RS1/16S102J
R	202		RS1/16S103J
R	203		RS1/16S103J
R	204		RS1/16S103J
R	205		RS1/16S474J
R	206		RS1/16S0R0J

=====Circuit Symbol and No.		===Part Name	Part No.
R	208		RS1/16S0R0J
R	211		RS1/16S102J
R	212		RS1/16S102J
R	221		RS1/16S152J
R	222		RS1/16S223J
R	223		RS1/16S103J
R	224		RS1/16S105J
R	225		RS1/16S104J
R	226		RS1/16S103J
R	227		RS1/16S473J
R	228		RS1/16S102J
R	229		RS1/16S102J
R	231		RS1/16S271J
R	232		RS1/16S5601D
R	233		RS1/16S1001D
R	234		RS1/16S104J
R	235		RS1/16S104J
R	236		RS1/16S103J
R	241		RS1/16S223J
R	242		RS1/16S103J
R	243		RS1/16S1302D
R	244		RS1/16S1002D
R	251		RS1/16S472J
R	252		RS1/16S122J
R	271		RS1/16S103J
R	272	(P9300/UC, P9350/ES)	RS1/16S0R0J
R	277		RS1/16S103J
R	301		RS1/16S103J
R	302		RS1/16S103J
R	303		RS1/16S103J
R	304		RS1/16S331J
R	351		RS1/16S820J
R	352		RS1/16S820J
R	353		RS1/16S820J
R	354		RS1/16S820J
R	355		RS1/16S820J
R	356		RS1/16S820J
R	357		RS1/16S223J
R	358		RS1/16S223J
R	359		RS1/16S223J
R	360		RS1/16S223J
R	361		RS1/16S223J
R	362		RS1/16S223J
R	363		RS1/16S103J
R	364	(P930/UC)	RS1/16S103J
		(P9300/UC, P9350/ES)	RS1/16S0R0J
R	365	(P930/UC)	RS1/16S103J
		(P9300/UC, P9350/ES)	RS1/16S0R0J
R	366	(P930/UC)	RS1/16S103J
		(P9300/UC, P9350/ES)	RS1/16S0R0J
R	367	(P930/UC)	RS1/16S103J
		(P9300/UC, P9350/ES)	RS1/16S0R0J
R	368	(P930/UC)	RS1/16S103J
		(P9300/UC, P9350/ES)	RS1/16S0R0J
R	369		RS1/16S471J
R	370		RS1/16S471J
R	371		RS1/16S471J
R	372		RS1/16S471J
R	373		RS1/16S471J
R	374		RS1/16S471J
R	375		RS1/16S0R0J
R	377		RS1/16S0R0J
R	401		RS1/16S473J
R	402		RS1/16S473J
R	403		RS1/16S681J
R	404		RS1/16S681J
R	409		RS1/16S681J
R	410		RS1/16S103J
R	411		RS1/16S681J
R	412		RS1/16S681J

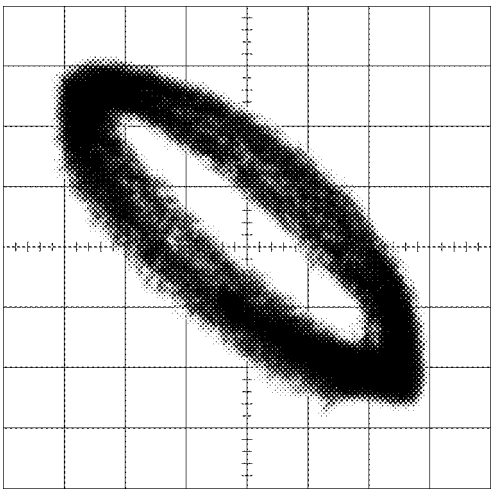
Grating waveform

Ech → Xch 20mV/div, AC
Fch → Ych 20mV/div, AC

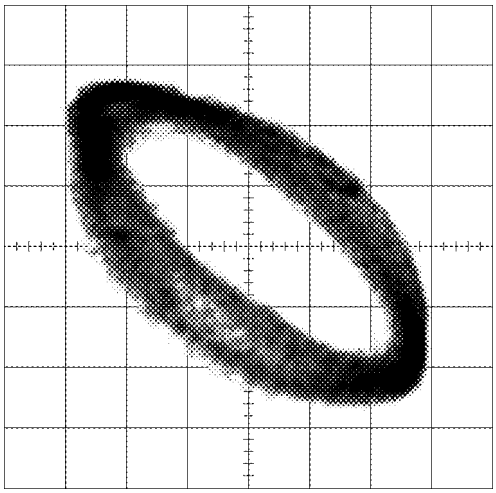
0°



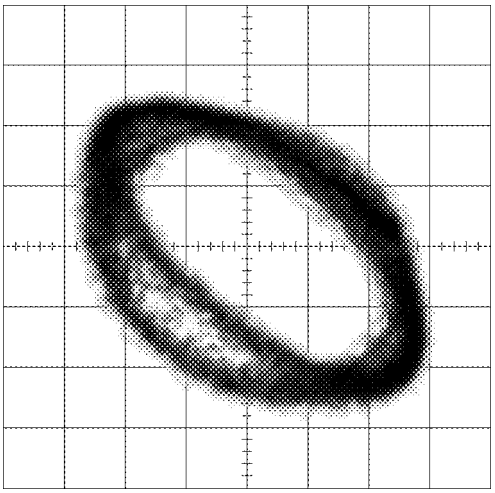
30°



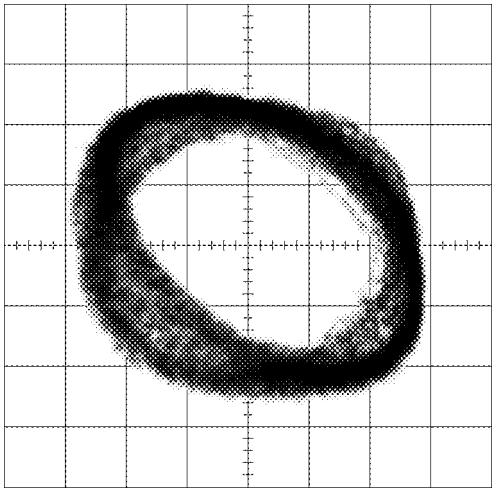
45°



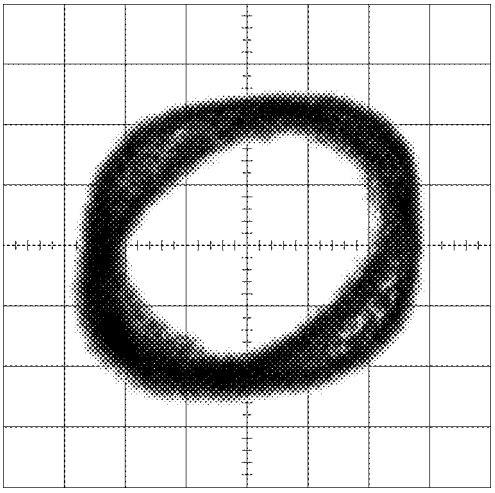
60°



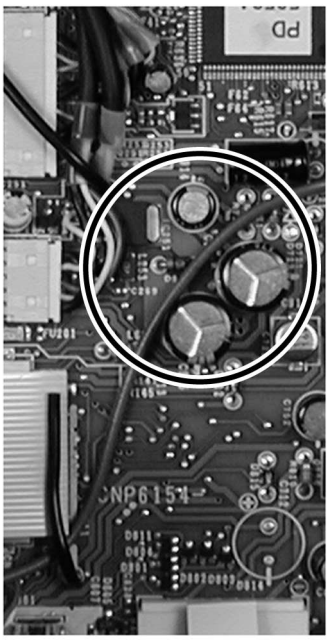
75°



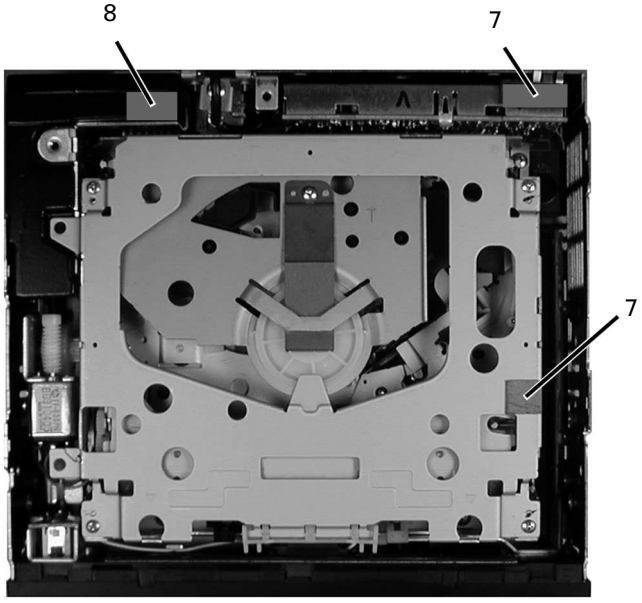
90°



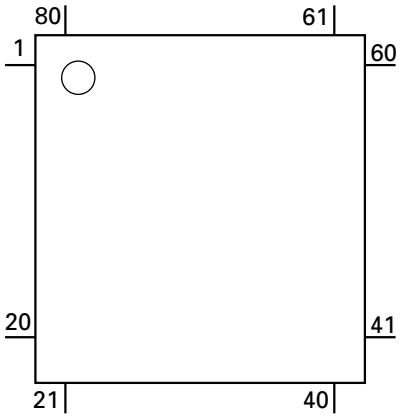
6. Set the connector as shown in the figure when assembling the CD mechanical module.



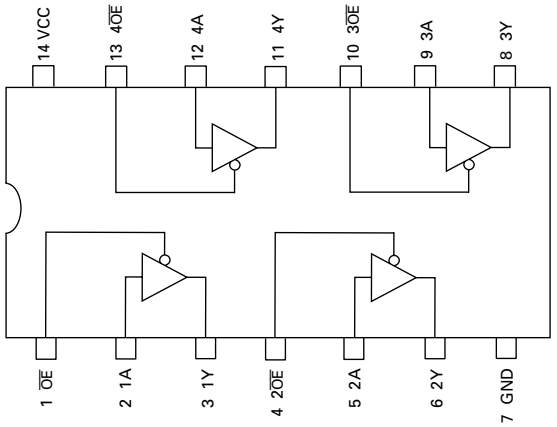
7. Paste the cushions and holder as shown in the figure, when exchanging the FM/AM tuner unit or the CD mechanical module.
8. Paste the cushions as shown in the figure when assembling.



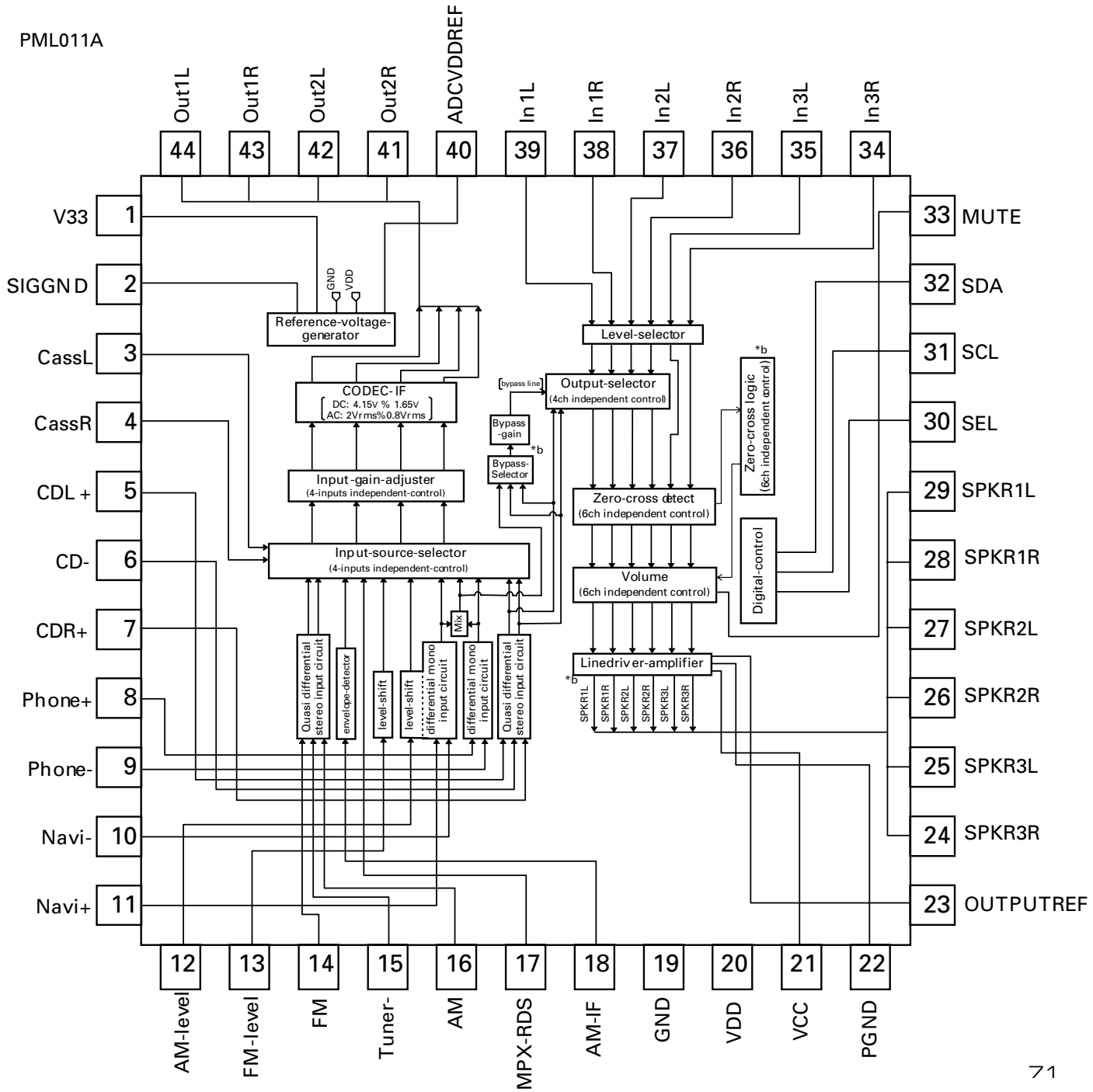
*PD5654A



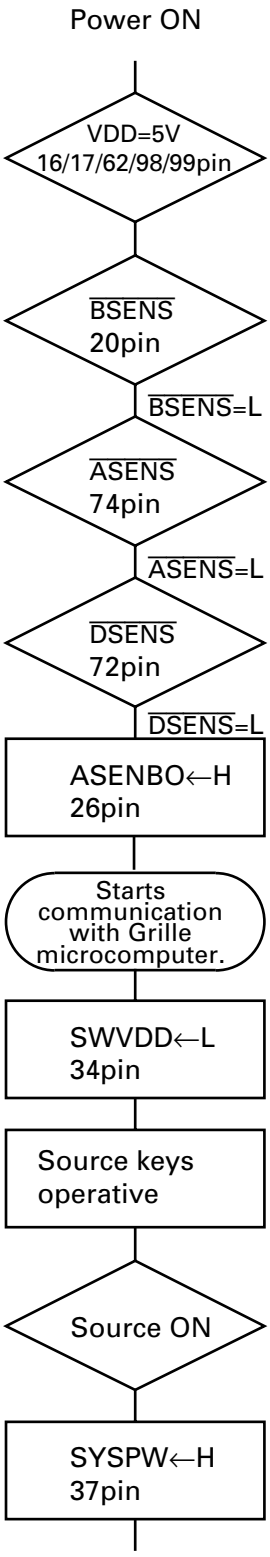
TC74VHC126FT



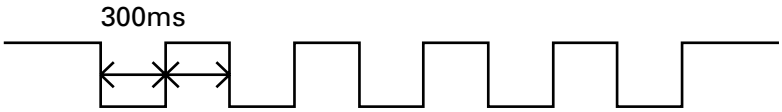
PML011A



7.3 OPERATIONAL FLOW CHART



Completes power-on operation.
(After that, proceed to each source operation)



In case of the above signal, the communication with Grille microcomputer may fail.
If the time interval is not 300msec, the oscillator may be defective.