

# Service Manual

**PIONEER®**  
The Art of Entertainment

• KEH-P525/X1M/UC



ORDER NO.  
**CRT2170**

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

**KEH-P525** X1M/UC  
**KEH-P5700** X1M/UC  
**KEH-P5750** X1M/ES

## NOTE:

- See the separate manual CX-631(CRT1640) for the cassette mechanism description.
- The cassette mechanism assy employed in this model is one of 2L series.
- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
- This service manual does not describe the CD test mode.

For the operations in the CD test mode, refer to the CD player's Service Manual.

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## 1. SAFETY INFORMATION

### UC model

#### **CAUTION**

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

#### **WARNING**

Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health and Safety Code, Section 25249.5). When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with the solder. Also, when soldering do not inhale any smoke or fumes produced.

## 2. EXPLODED VIEWS AND PARTS LIST

### 2.1 PACKING

#### ● KEH-P525/X1M/UC

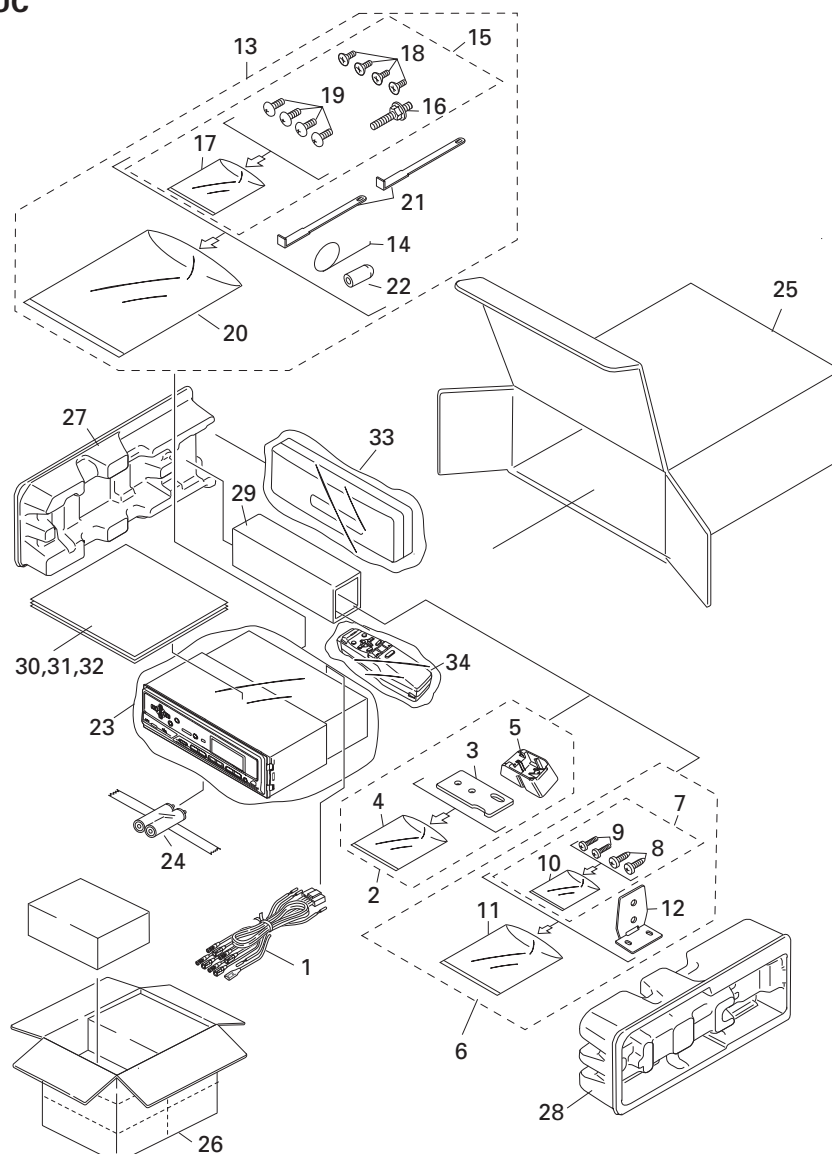


Fig. 1

**NOTE:**

● Parts marked by "\*" and ⊗ can not be supplied.

● Screws adjacent to ∇ mark on the product are used for disassembly.

● **PACKING SECTION PARTS LIST(KEH-P525/X1M/UC)**

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	1	Cord Assy	CDE5496		21	Handle(x2)	CNC5395
	2	Base Assy	CEA2344		22	Bush	CNV3930
*	3	Sheet	CZA3371		23	Polyethylene Bag	CEG1173
	4	Polyethylene Bag	CZE3188		24	Battery	CEX1006
*	5	Base	CZN6466		25	Carton	CHG3468
	6	Bracket Assy	CEA2346		26	Contain Box	CHL3468
	7	Screw Assy	CZE3198		27	Protector	CHP2021
	8	Screw(x2)	BNC40P120FZK		28	Protector	CHP2022
	9	Screw(x2)	BPZ30P100FZK	*	29	Inner Box	CHW1548
*	10	Polyethylene Bag	CEG-127		30	Owner's Manual	CRD2581
	11	Polyethylene Bag	CZE3201		31	Installation Manual	CRD2582
	12	Bracket	CZN6467	*	32	Warranty Card	CRY1070
*	13	Accessory Assy	CEA2350		33	Case Assy	CXB1063
	14	Spring	CBH1650		34	Remote Control Assy	CXB1157
	15	Screw Assy	CEA2351				
	16	Screw	CBA1304				
*	17	Polyethylene Bag	CEG-127				
	18	Screw(x4)	CRZ50P090FMC				
	19	Screw(x4)	TRZ50P080FMC				
*	20	Polyethylene Bag	CEG-158				

● **Owner's Manual, Installation Manual**

Model	Part No.	Language
KEH-P525/X1M/UC	CRD2581	English, French
	CRD2582	English, French

● KEH-P5700/X1M/UC,P5750/X1M/ES

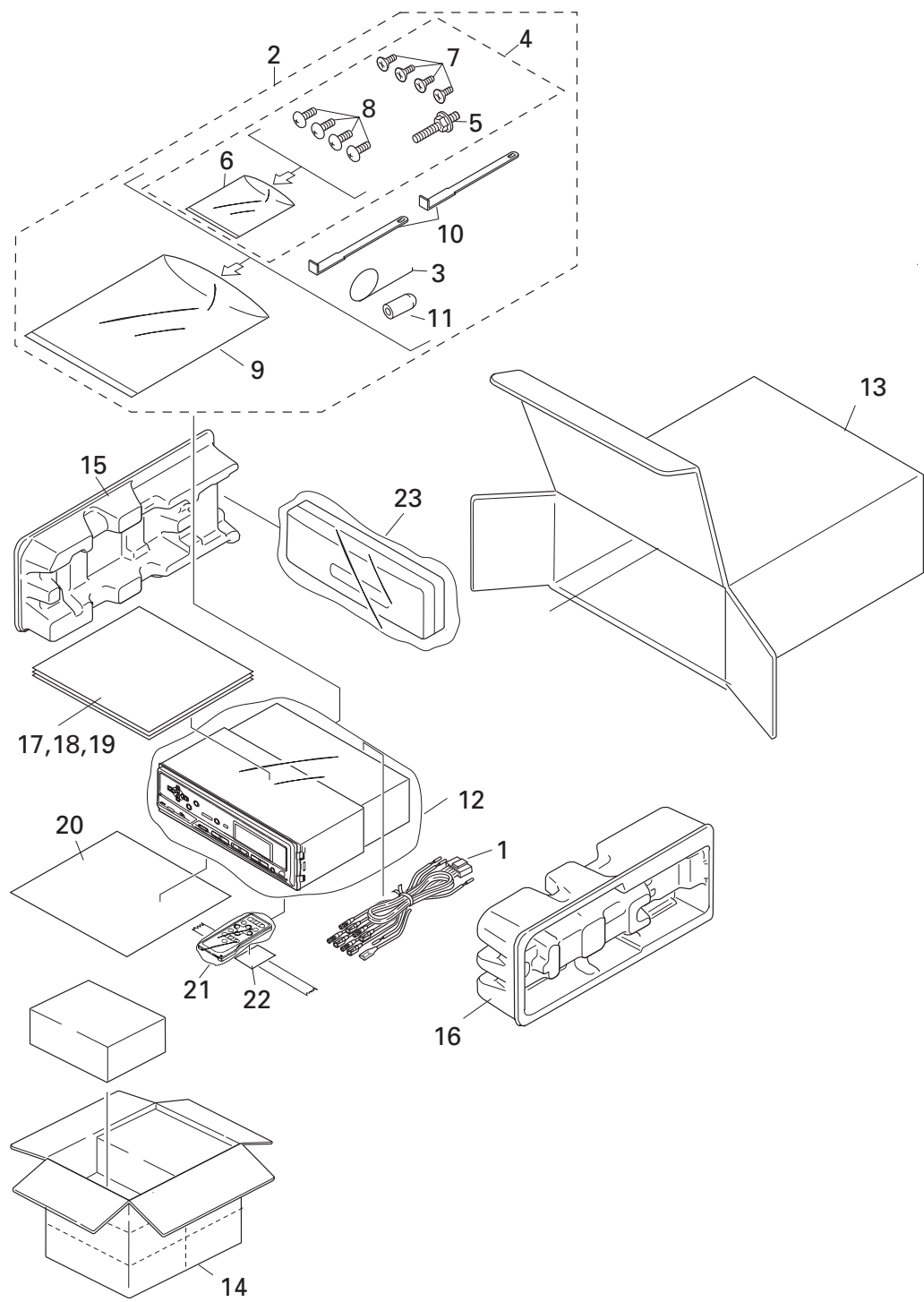


Fig. 2

**● PACKING SECTION PARTS LIST(KEH-P5700/X1M/UC,P5750/X1M/ES)**

Mark No.	Description	Part No.	
		KEH-P5700/X1M/UC	KEH-P5750/X1M/ES
	1 Cord Assy	CDE5496	CDE5496
*	2 Accessory Assy	CEA2350	CEA2350
	3 Spring	CBH1650	CBH1650
	4 Screw Assy	CEA2351	CEA2351
	5 Screw	CBA1304	CBA1304
	6 Polyethylene Bag	CEG-127	CEG-127
	7 Screw(x4)	CRZ50P090FMC	CRZ50P090FMC
	8 Screw(x4)	TRZ50P080FMC	TRZ50P080FMC
*	9 Polyethylene Bag	CEG-158	CEG-158
	10 Handle(x2)	CNC5395	CNC5395
	11 Bush	CNV3930	CNV3930
	12 Polyethylene Bag	CEG1173	CEG-162
	13 Carton	CHG3467	CHG3466
	14 Contain Box	CHL3467	CHL3466
	15 Protector	CHP2021	CHP2021
	16 Protector	CHP2022	CHP2022
	17 Owner's Manual	CRD2583	CRD2593
	18 Installation Manual	CRD2584	CRD2595
*	19 Card	ARY1048	Not used
	20 Owner's Manual	Not used	CRD2594
	21 Remote Control Unit	CXB1146	CXB1146
	22 Battery	CEX1030	CEX1030
	23 Case Assy	CXB1063	CXB1063

**● Owner's Manual, Installation Manual**

KEH-P5700/X1M/UC	CRD2583	English, French, Spanish
	CRD2584	English, French, Spanish
KEH-P5750/X1M/ES	CRD2593	English, Spanish
	CRD2594	Portuguese, Arabic
	CRD2595	English, Spanish, Portuguese, Arabic

2.2 EXTERIOR

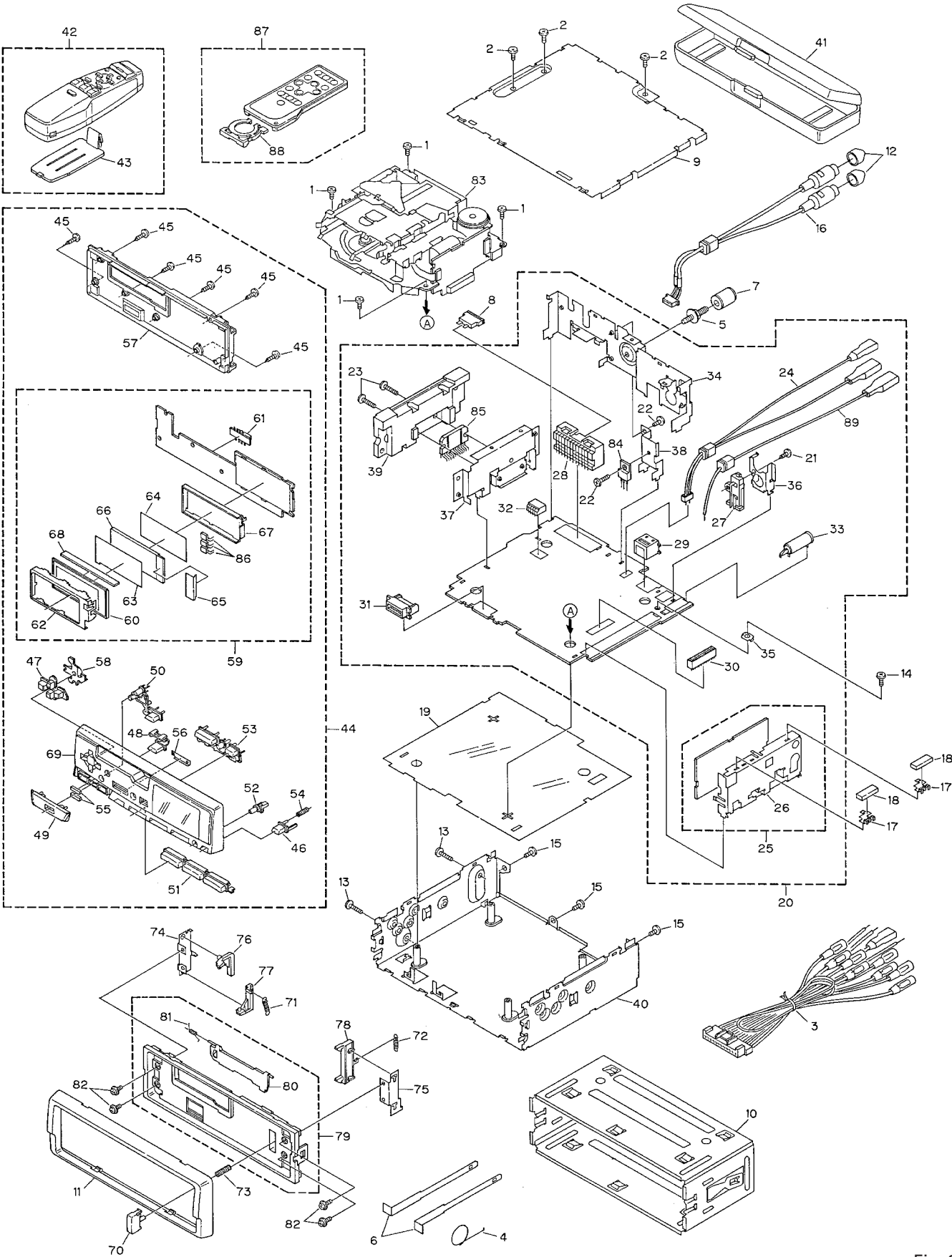


Fig. 3

## (1) EXTERIOR SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Screw	BSZ26P050FMC	46	Button(  )	CAC5430
2	Screw	BSZ30P060FMC	47	Button(  ,  )	CAC5432
3	Cord Assy	CDE5496	48	Button(SOURCE)	CAC5433
4	Spring	CBH1650	49	Button(+,-)	CAC5435
5	Screw	CBA1304	50	Button(BAND,F,A)	CAC5437
6	Handle	CNC5395	51	Button(1,2,3,4,5,6)	CAC5439
7	Bush	CNV3930	52	Button(D)	CAC5441
8	Fuse	CEK1136	53	Button(LD/CLK,P,  )	CAC5542
9	Case	CNB2283	54	Spring	CBH2103
10	Holder Unit	CXB2678	55	Spacer	CNM5572
11	Panel	CNS4200	56	Sheet	CNM5897
12	Cap	CNV2680	57	Cover	CNS4775
13	Screw	BMZ30P100FMC	58	Lighting Conductor	CNV5195
14	Screw	BSZ30P055FUC	59	Keyboard Unit	CWM5673
15	Screw	BSZ30P060FMC	60	LCD(LCD901)	CAW1477
16	Cord	CDE5176	61	Connector(CN901)	CKS3580
17	Holder	CNC5704	62	Holder	CNC7479
18	Cushion	CNM4870	63	Sheet	CNM5726
19	Insulator	CNM5571	64	Sheet	CNM5727
⊗ 20	Tuner Amp Unit	See Contrast table(2)	65	Sheet	CNM5728
21	Screw	BPZ26P080FMC	66	Lighting Conductor	CNV5196
22	Screw	BSZ26P080FMC	67	Housing	CNV5197
23	Screw	BSZ26P140FMC	68	Connector	CNV5205
24	Cord Assy(CN603)	See Contrast table(2)	69	Grille Unit	See Contrast table(2)
25	FM/AM Tuner Unit	See Contrast table(2)	70	Button	CAC4836
26	Holder	CNC6554	71	Spring	CBH1834
27	Pin Jack(CN301)	CKB1028	72	Spring	CBH1835
28	Plug(CN951)	CKM1270	73	Spring	CBH1996
29	Connector(CN751)	CKS3408	74	Bracket	CNC6135
30	Connector(CN602)	CKS3568	75	Bracket	CNC6791
31	Connector(CN601)	CKS3581	76	Arm	CNV4692
32	Connector(CN302)	CKS3598	77	Arm	CNV4693
33	Antenna Jack(CN402)	CKX1056	78	Arm	CNV4728
34	Panel	CNB2258	79	Panel Unit	See Contrast table(2)
35	Holder	CNC5399	80	Door	CAT1947
36	Holder	CNC6531	81	Spring	CBH1838
37	Holder	CNC6674	82	Screw	IMS20P030FZK
38	Holder	CNC6845	83	Cassette Mechanism Module	EXK3615
39	Heat Sink	CNR1426	84	Transistor(Q951)	2SD2396
40	Chassis Unit	CXB2347	85	IC(IC301)	See Contrast table(2)
41	Case Assy	CXB1063	86	LED(D903 — 905)	NSPWF50SB
42	Remote Control Assy	See Contrast table(2)	87	Remote Control Unit	See Contrast table(2)
43	Battery Cover	See Contrast table(2)	88	Cover	See Contrast table(2)
44	Detach Grille Assy	See Contrast table(2)	89	Cord	See Contrast table(2)
45	Screw	BPZ20P100FZK			

**(2) CONTRAST TABLE**

**KEH-P525/X1M/UC, KEH-P5700/X1M/UC and KEH-P5750/X1M/ES are constructed the same except for the following:**

Mark No.	Description	Part No.		
		KEH-P525/X1M/UC	KEH-P5700/X1M/UC	KEH-P5750/X1M/ES
⊗ 20	Tuner Amp Unit	CWM5671	CWM5835	CWM5835
24	Cord Assy(CN603)	CDE5178	CDE5178	Not used
25	FM/AM Tuner Unit	CWE1467	CWE1467	CWE1486
42	Remote Control Assy	CXB1157	Not used	Not used
43	Battery Cover	CNS4406	Not used	Not used
44	Detach Grille Assy	CXB2306	CXB2445	CXB2441
69	Grille Unit	CXB2487	CXB2486	CXB2488
79	Panel Unit	CXB2352	CXB2367	CXB2367
85	IC(IC301)	TDA7386	TDA7384	TDA7384
87	Remote Control Unit	Not used	CXB1146	CXB1146
88	Cover	Not used	CNS4139	CNS4139
89	Cord Assy(CN603)	Not used	Not used	CDE5327



## 2.3 CASSETTE MECHANISM MODULE

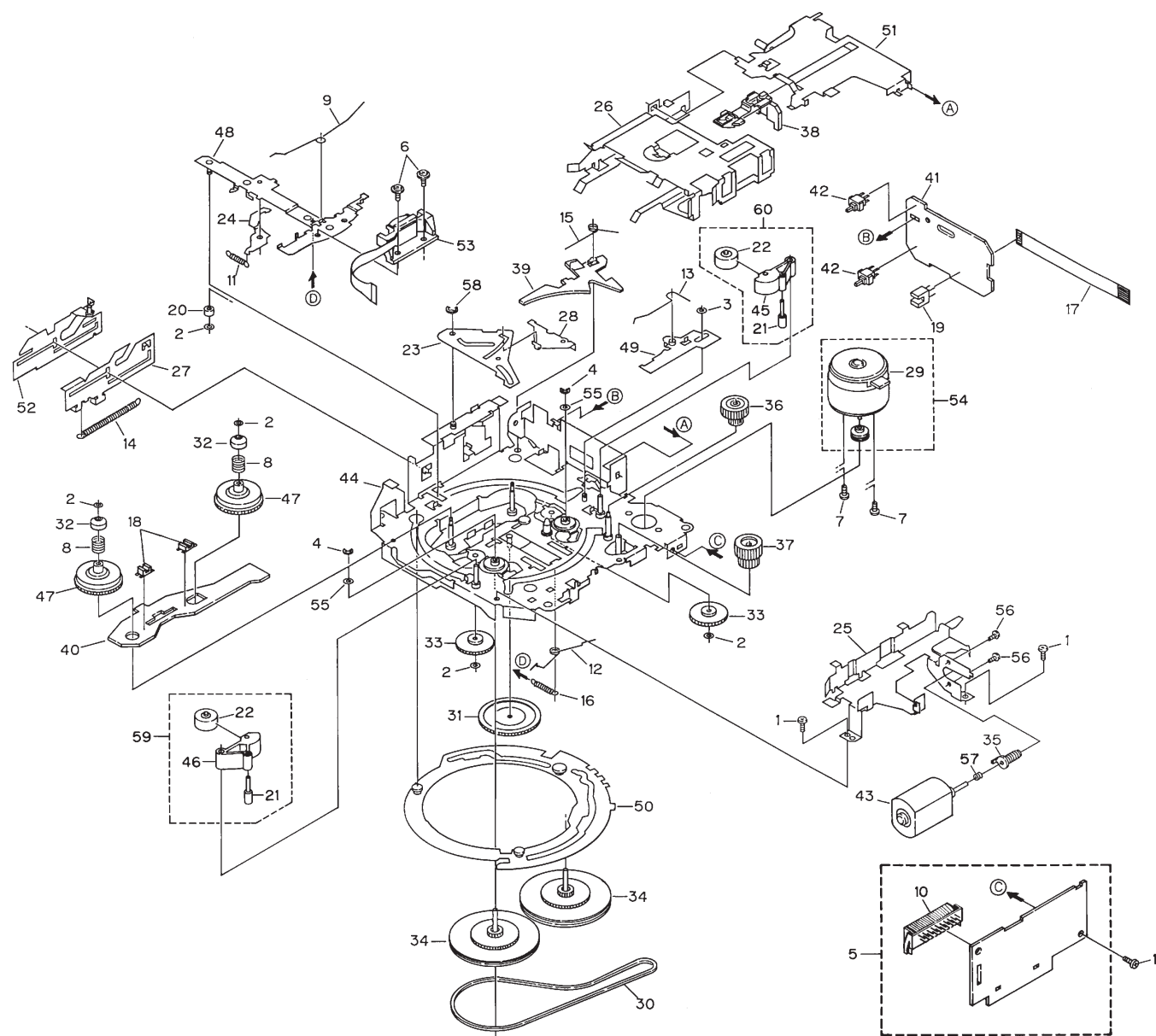


Fig. 4

● CASSETTE MECHANISM MODULE SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Screw	BSZ20P040FMC	31	Gear	ENV1347
2	Washer	CBF1037	32	Collar	ENV1508
3	Washer	CBF1038	33	Gear	ENV1350
4	Washer	CBG1003	34	Flywheel	ENV1529
5	Deck Unit	EWM1010	35	Worm Gear	ENV1439
6	Screw	EBA1028	36	Worm Wheel	ENV1440
7	Screw	EBA1037	37	Gear	ENR1028
8	Spring	EBH1531	38	Lever	ENV1442
9	Spring	EBH1575	39	Arm	ENV1525
10	Plug(CN251)	CKS3540	40	Gathering P.C.Board	ENX1037
11	Spring	EBH1515	41	Gathering P.C.Board	ENX1042
12	Spring	EBH1587	42	Switch(S1,S2)	ESG1004
13	Spring	EBH1517	43	Motor Unit(M2)	EXA1485
14	Spring	EBH1518	44	Chassis Unit	EXA1511
15	Spring	EBH1519	45	Pinch Holder	ENV1485
16	Spring	EBH1537	46	Pinch Holder	ENV1486
17	Cord	EDD1020	47	Reel Unit	EXA1543
18	Photo-interrupter(EGN2,3)	EGN1006	48	Head Base Unit	EXA1457
19	Photo-interrupter(EGN1)	EGN1005	49	Lever Unit	EXA1438
20	Roller	ENR1031	50	Gear Unit	EXA1545
21	Shaft	ELA1373	51	Frame Unit	EXA1458
22	Pinch Roller	ENV1518	52	Lever Unit	EXA1439
23	Arm	ENC1489	53	Head Assy(HD1)	EXA1506
24	Arm	ENC1397	54	Motor Unit(M1)	EXA1544
25	Guide	ENC1481	55	Washer	HBF-179
26	Holder	ENC1417	56	Screw	BMZ20P022FMC
27	Lever	ENC1448	57	Spring	EBH1545
28	Arm	ENC1488	58	Washer	YE20FUC
* 29	Motor	EXM1031	59	Pinch Holder Unit	EXA1529
30	Belt	ENT1027	60	Pinch Holder Unit	EXA1528







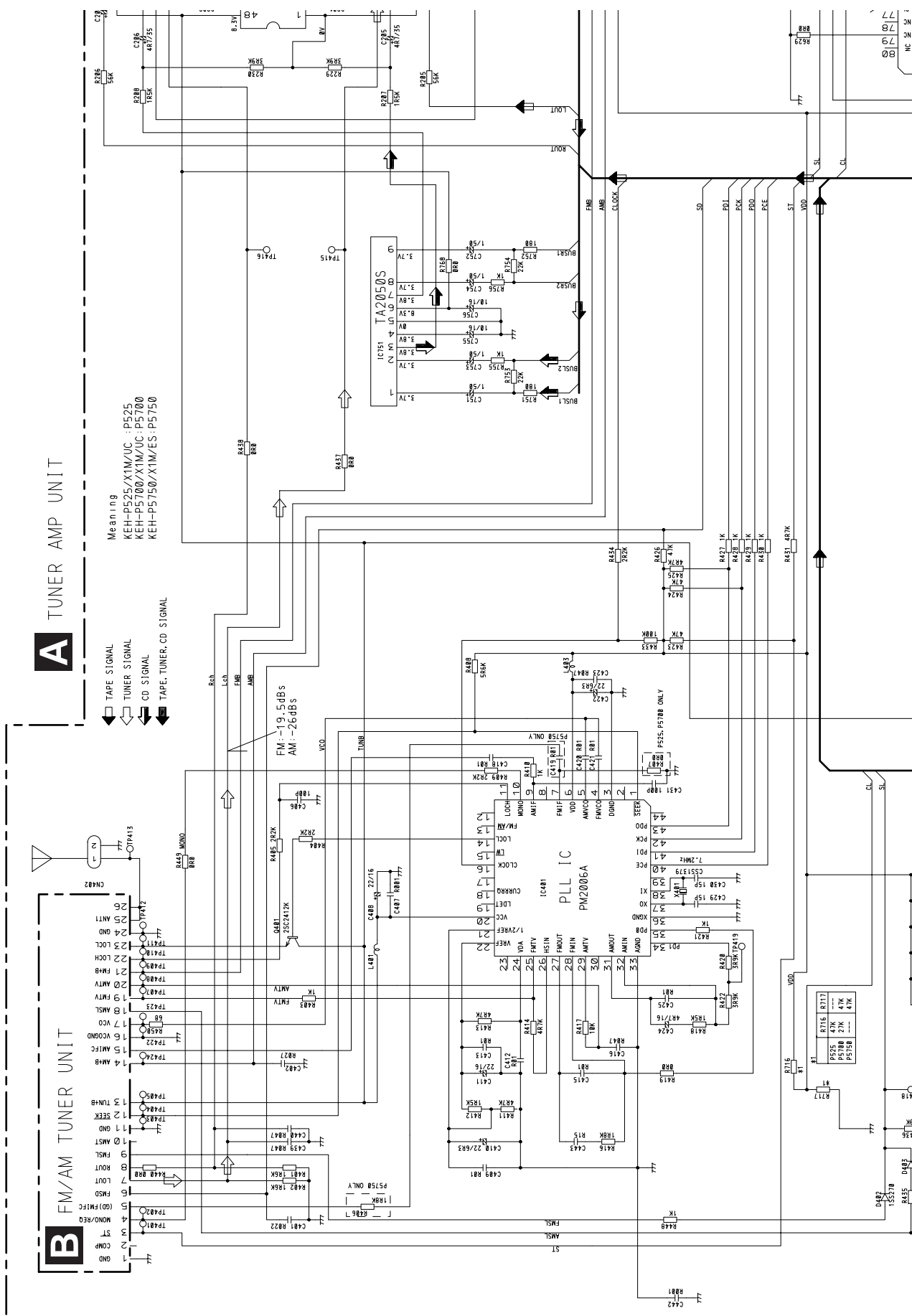
A-a A-b

# A TUNER AMP UNIT

## B FM/AM TUNER UNIT

Meaning  
 KEH-P525/X1M/UC :P525  
 KEH-P5700/X1M/UC :P5700  
 KEH-P5750/X1M/ES :P5750

TAPE SIGNAL  
 TUNER SIGNAL  
 CD SIGNAL  
 TAPE, TUNER, CD SIGNAL



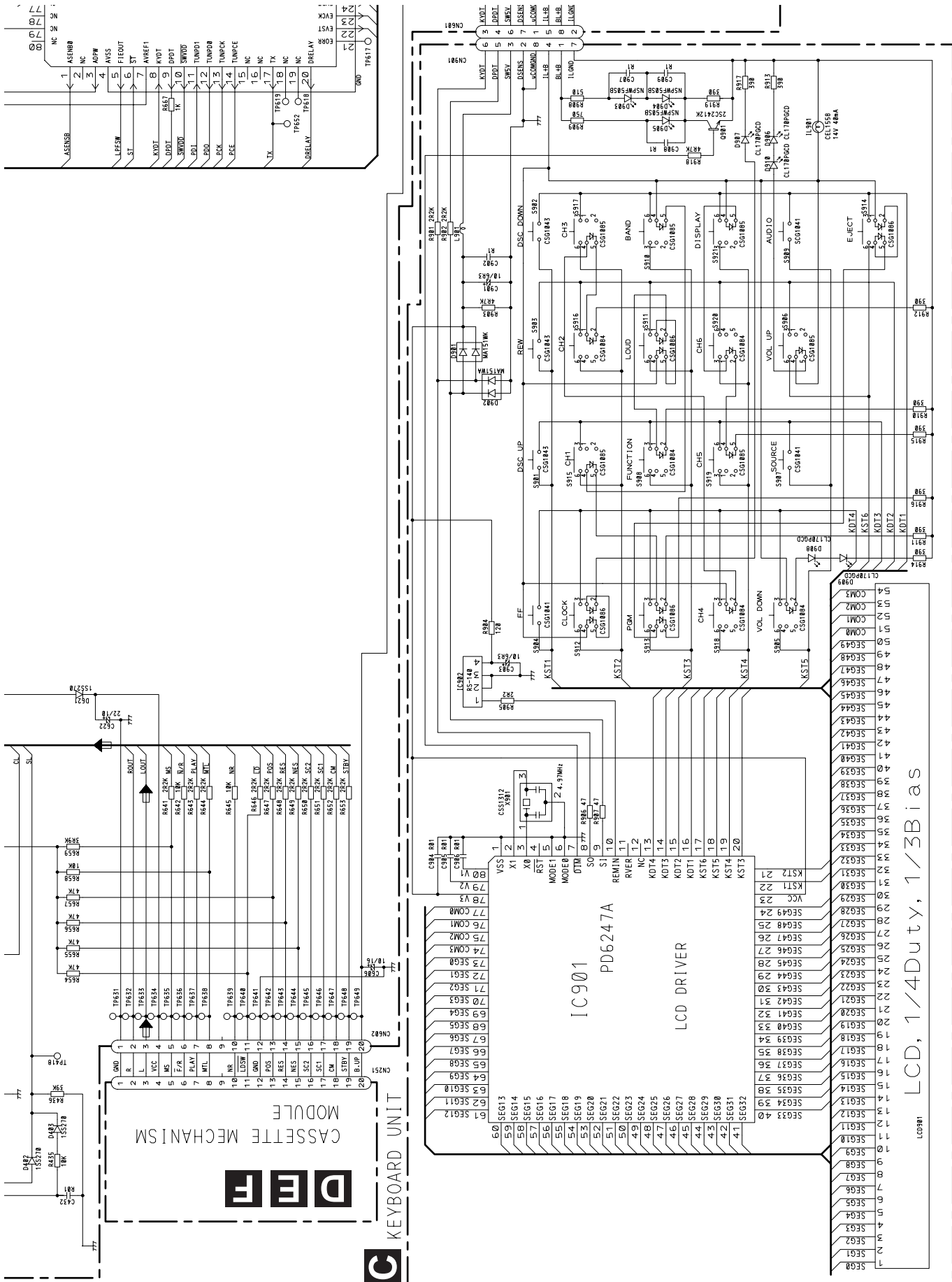
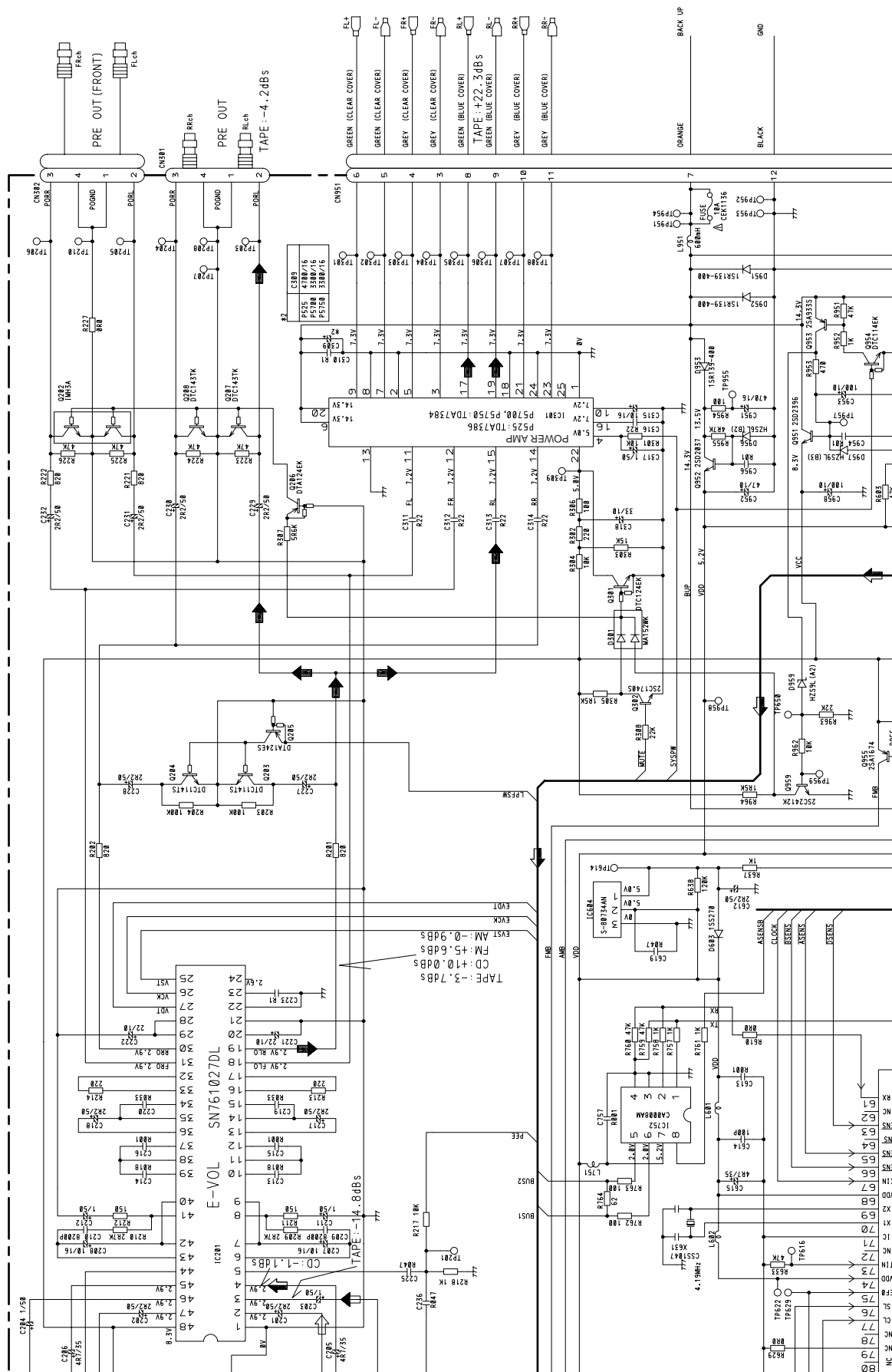
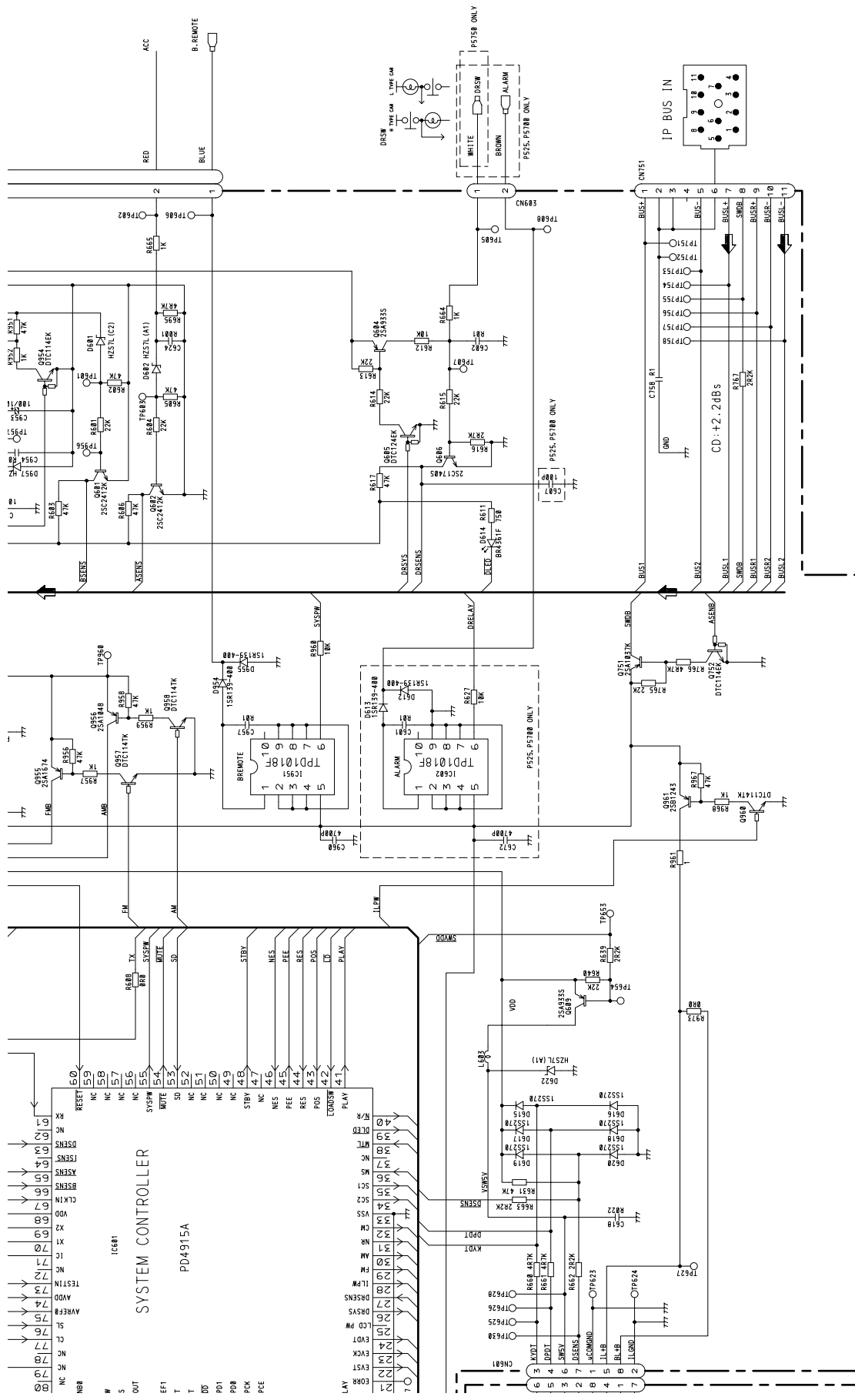


Fig. 6







NOTE :  
 Symbol indicates a resistor.  
 No differentiation is made between chip resistors and discrete resistors.  
 Symbol indicates a capacitor.  
 No differentiation is made between chip capacitors and discrete capacitors.

The Amark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

Fig. 7





8



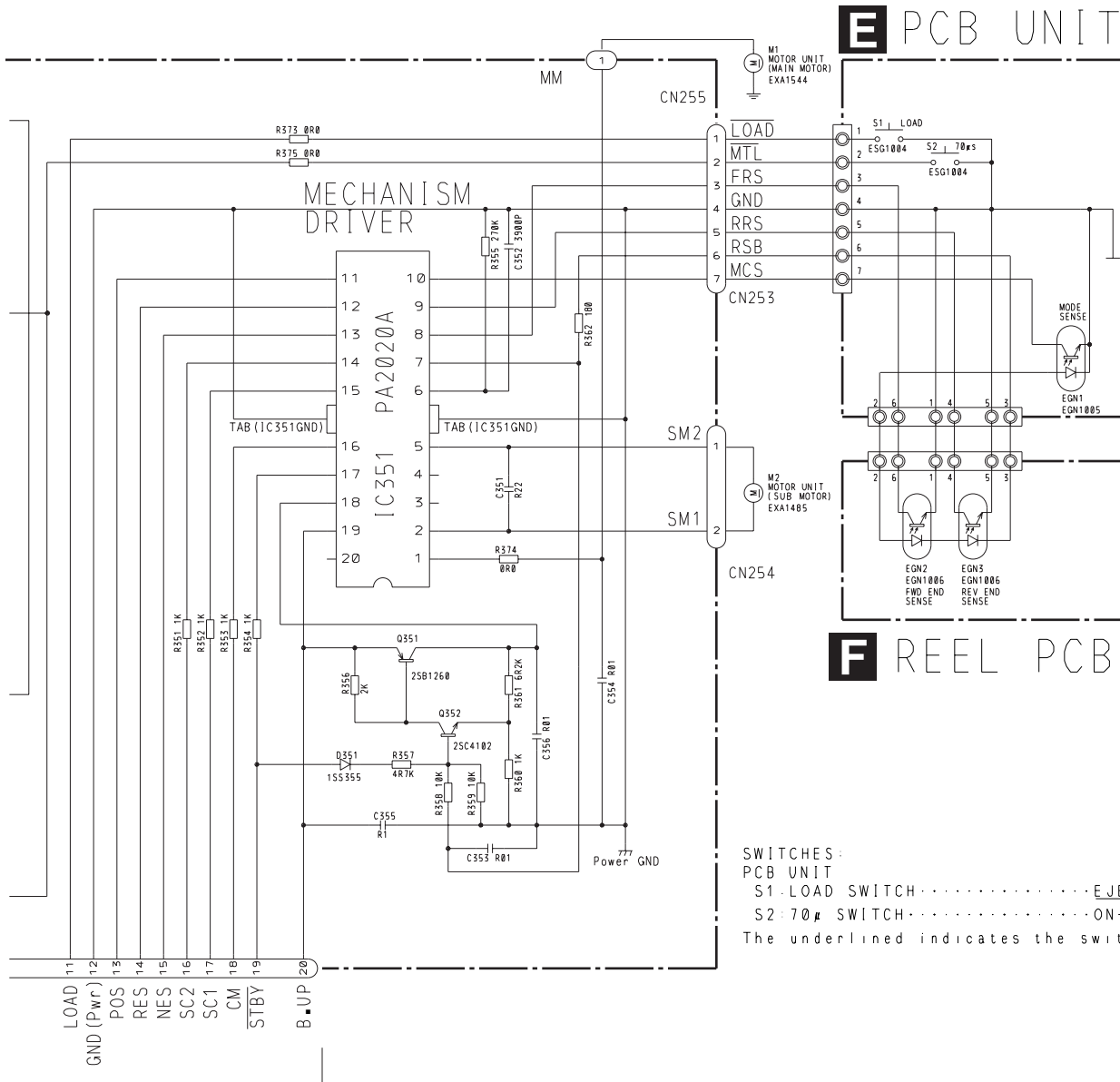


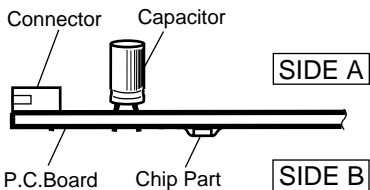
Fig. 9

4. PCB CONNECTION DIAGRAM

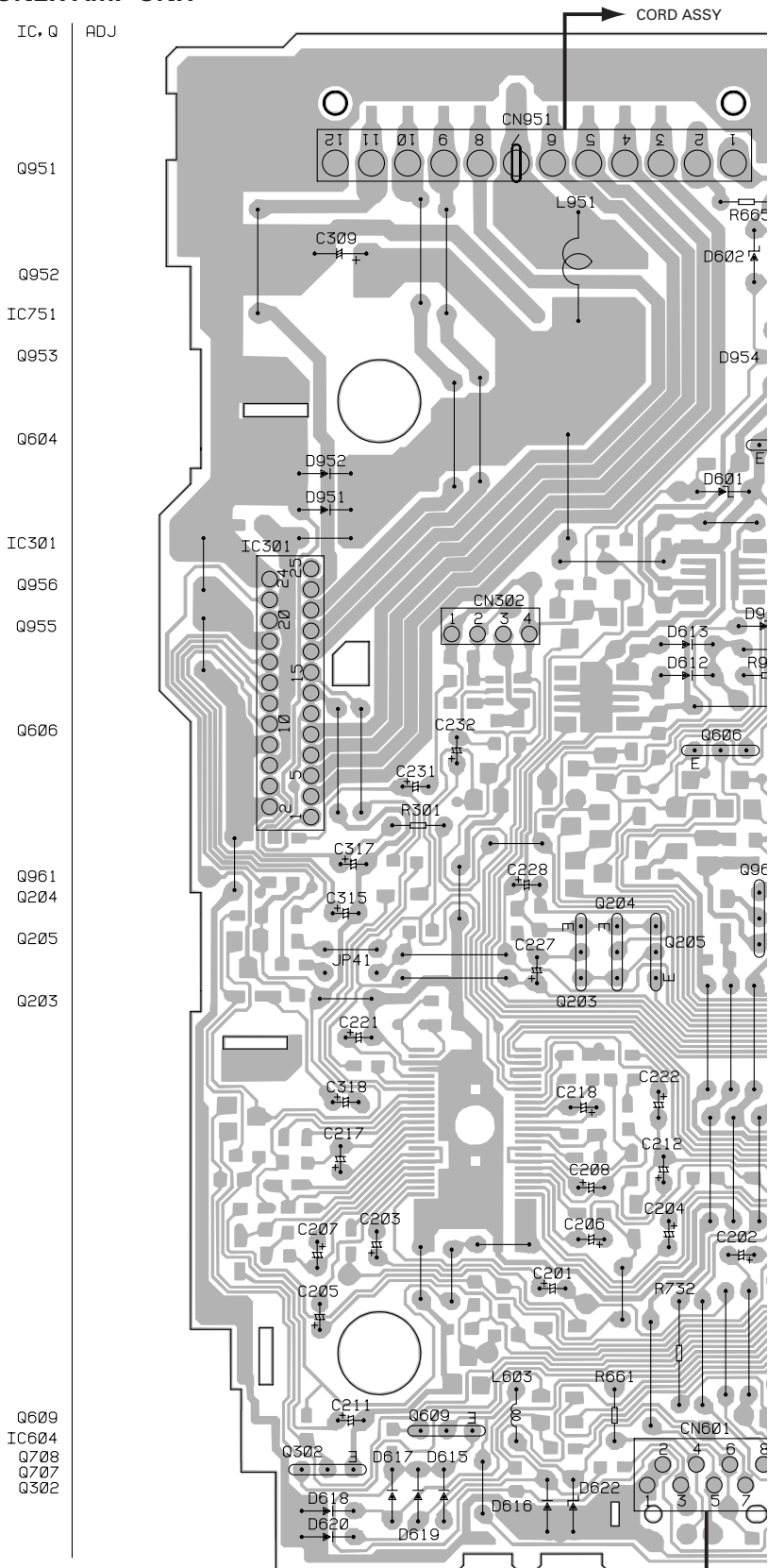
4.1 TUNER AMP UNIT

NOTE FOR PCB DIAGRAMS

1. The parts mounted on this PCB include all necessary parts for several destination.  
For further information for respective destinations, be sure to check with the schematic diagram.
2. Viewpoint of PCB diagrams



**A** TUNER AMP UNIT



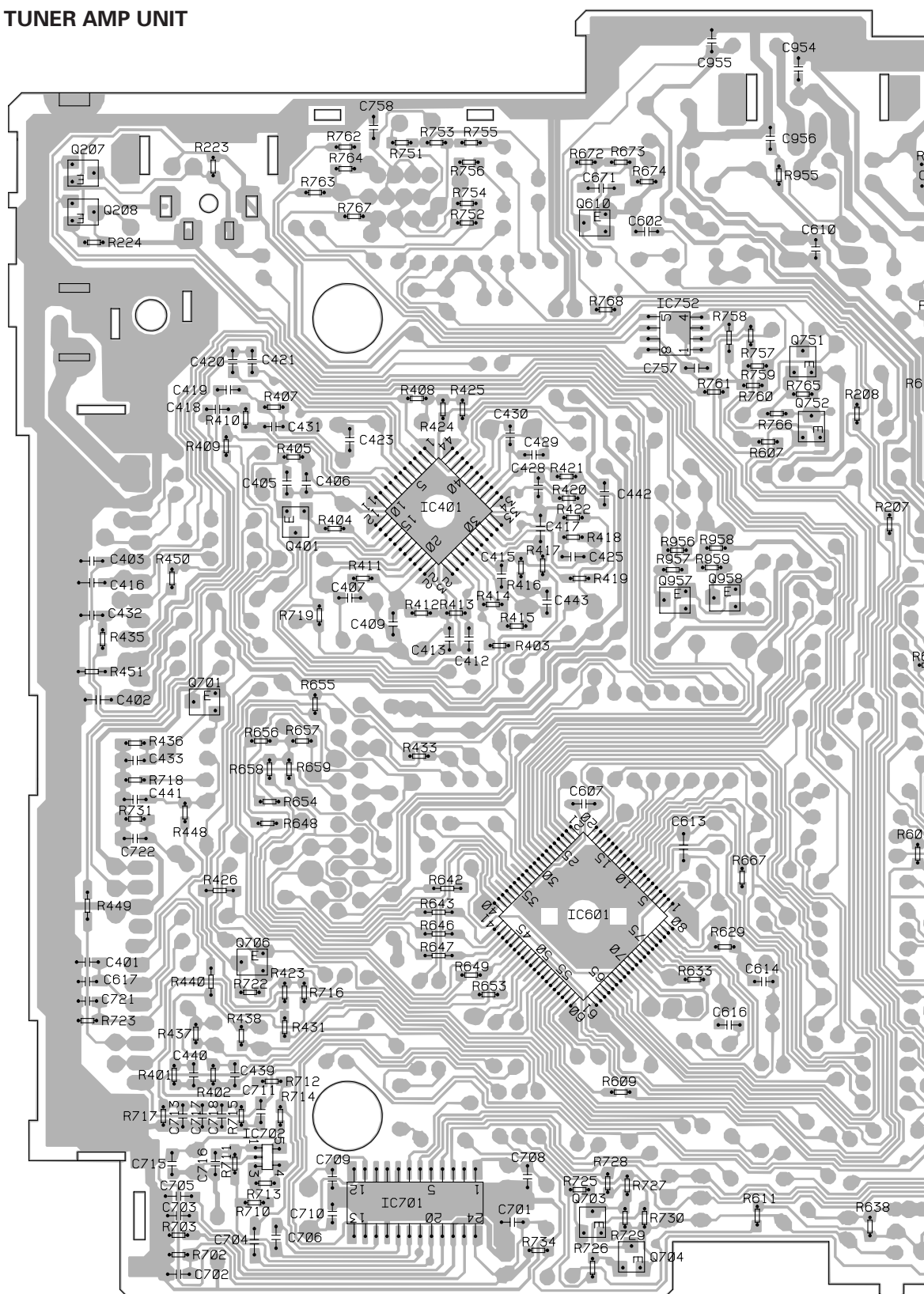
A

B

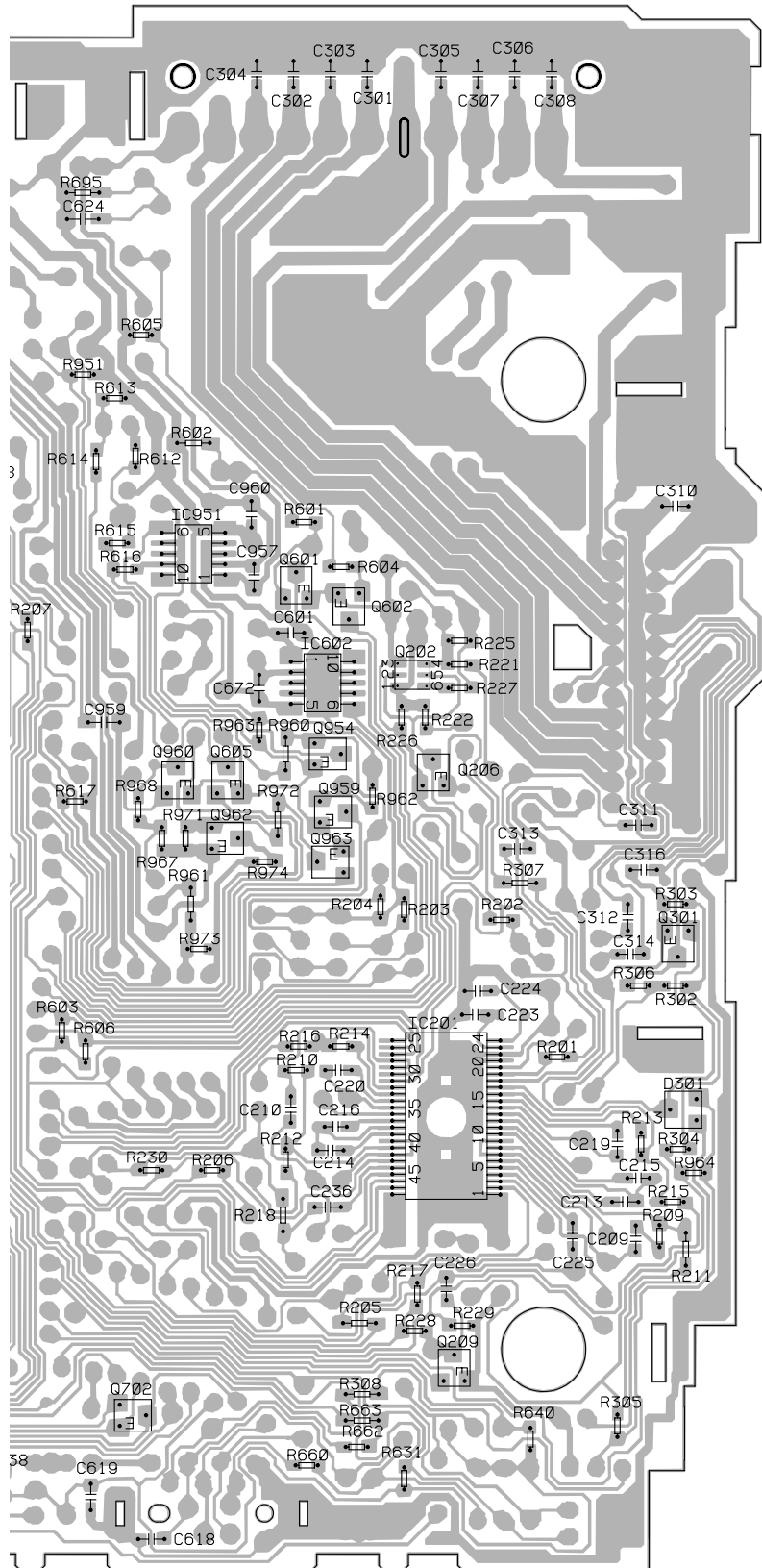
C

D









IC, Q

SIDE B

Q207

Q208 Q610

IC752

Q751

Q752

IC951 Q601

Q901 Q902

IC401 Q602

Q401 Q202

IC602

Q957 Q958

Q954

Q960 Q605

Q959 Q206

Q701 Q962

Q963

Q301

IC201

IC601

Q706

Q209

IC702

Q702

IC701 Q703

Q704

Fig. 11

4.2 KEYBOARD UNIT

A

B

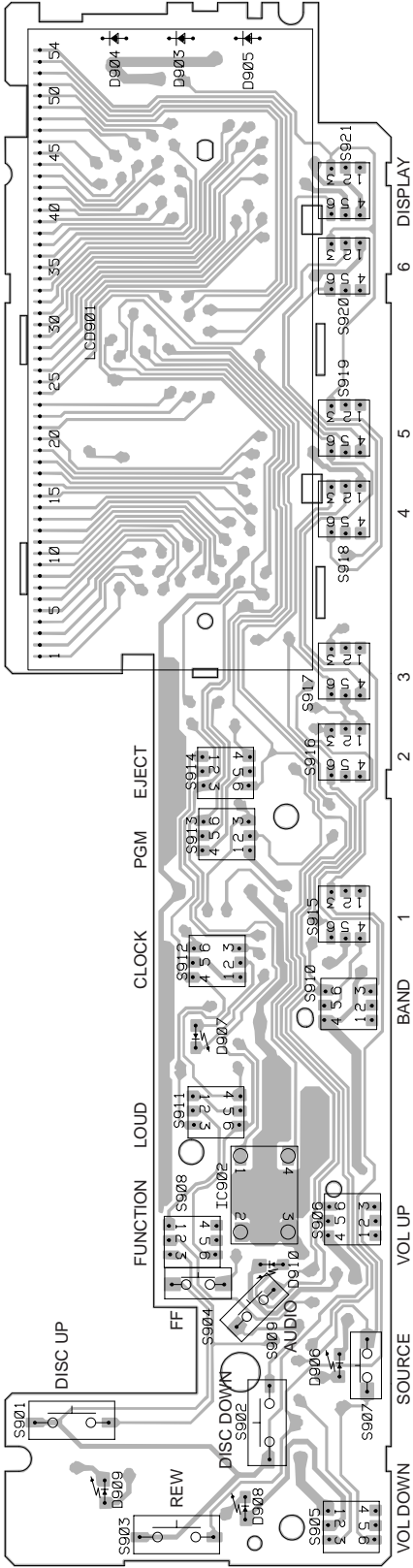
C

D

C KEYBOARD UNIT

IC.0

IC002



SIDE A

Fig. 12

**C** KEYBOARD UNIT

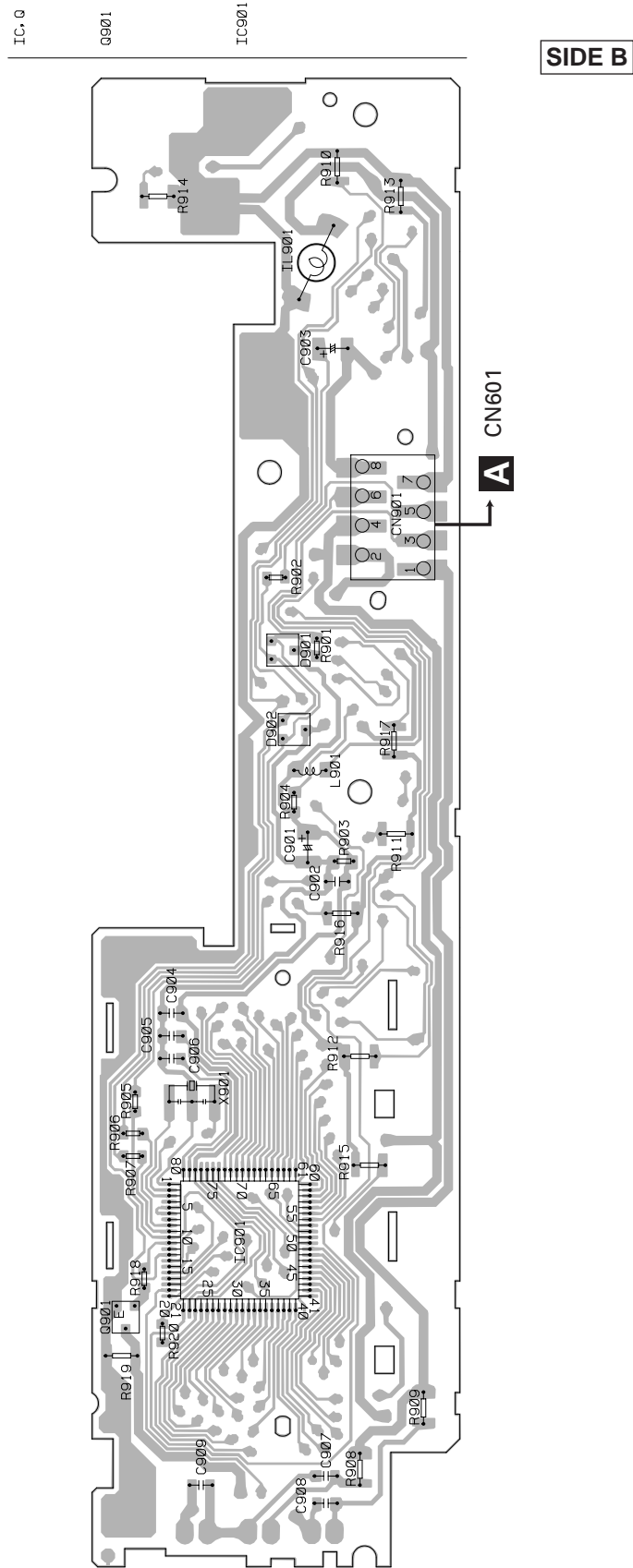


Fig. 13

### 4.3 FM/AM TUNER UNIT

SIDE A

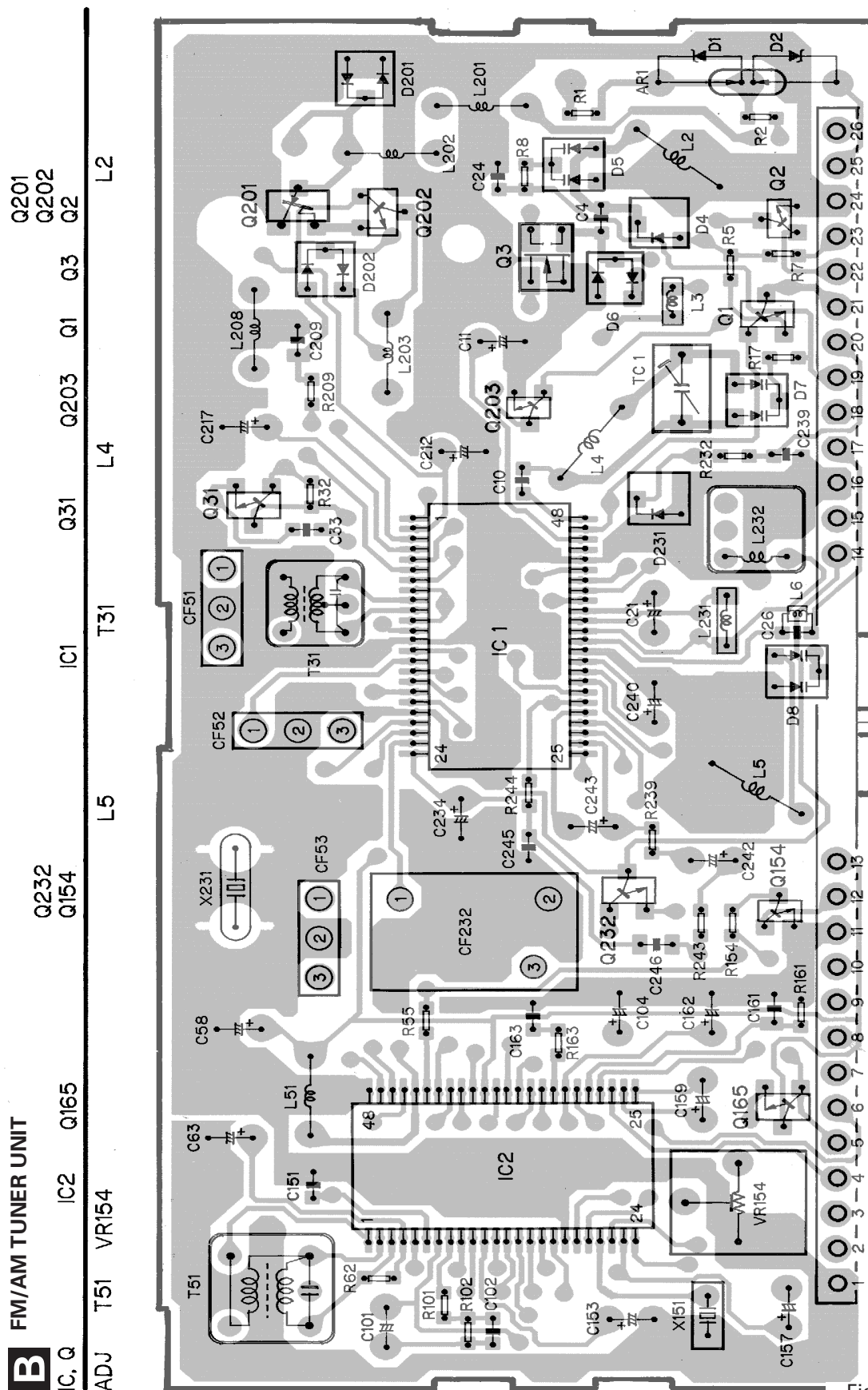


Fig. 14

SIDE B

FM/AM TUNER UNIT

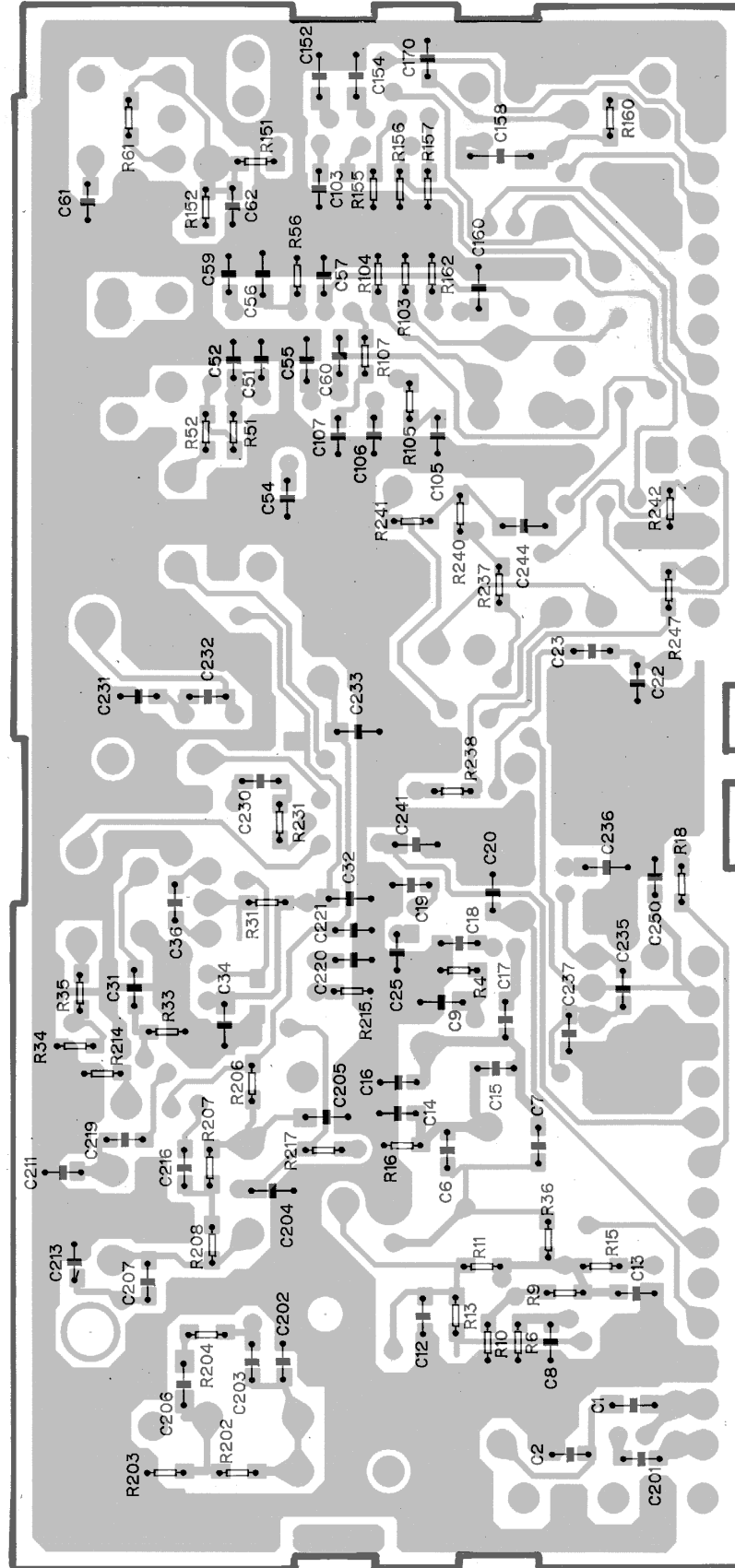


Fig. 15

B

4.4 CASSETTE MECHANISM MODULE

A

B

C

D

**D** DECK UNIT

**SIDE A**

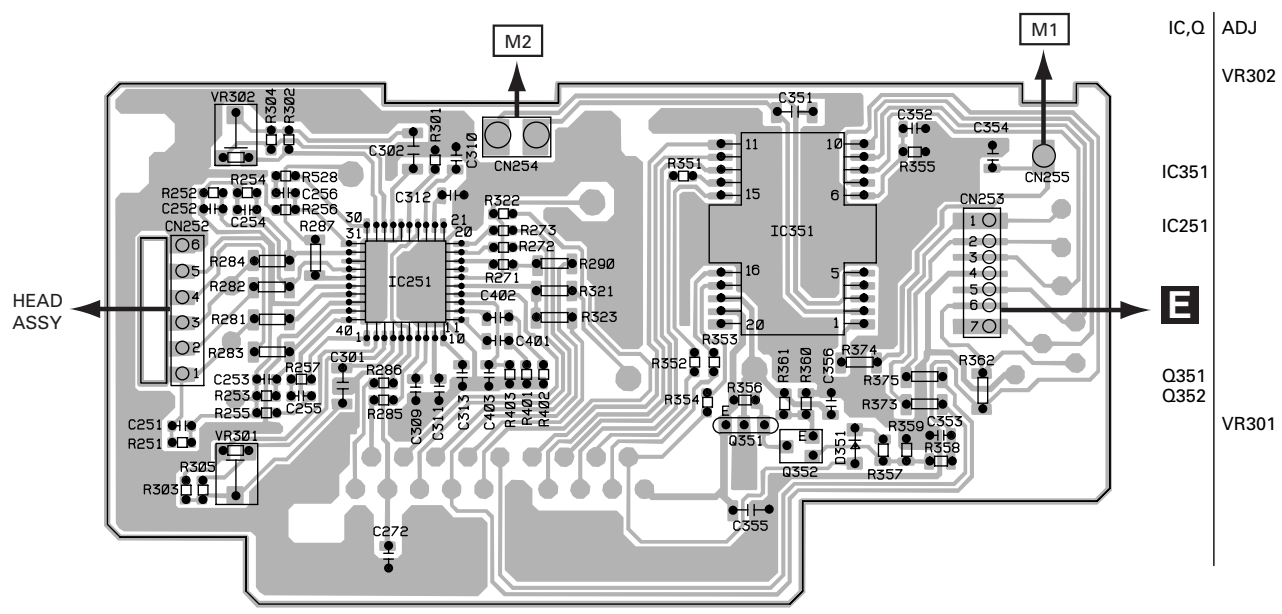


Fig. 16

**D** DECK UNIT

**SIDE B**

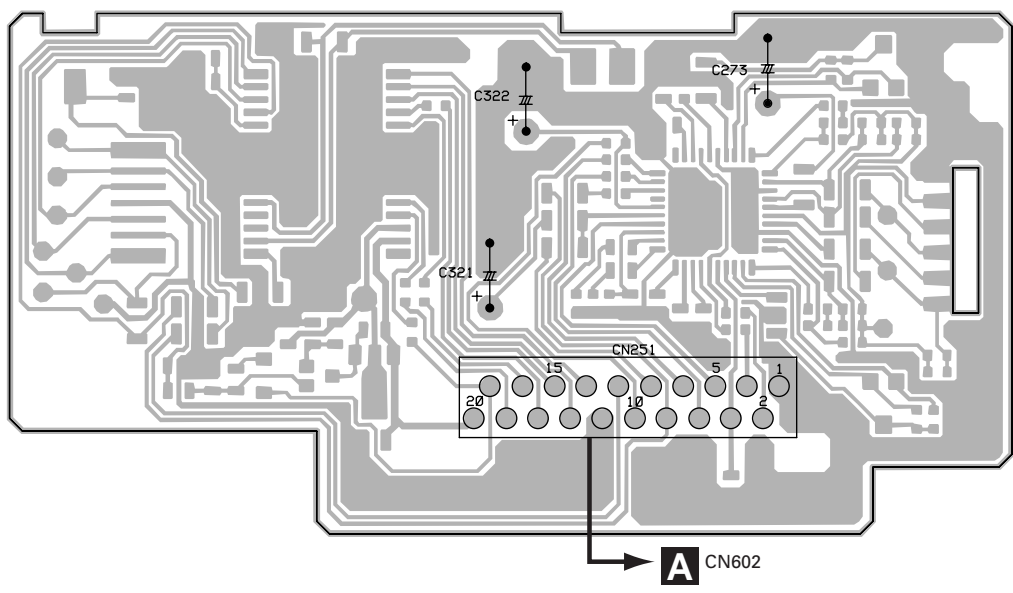


Fig. 17

**E** PCB UNIT

**SIDE A**

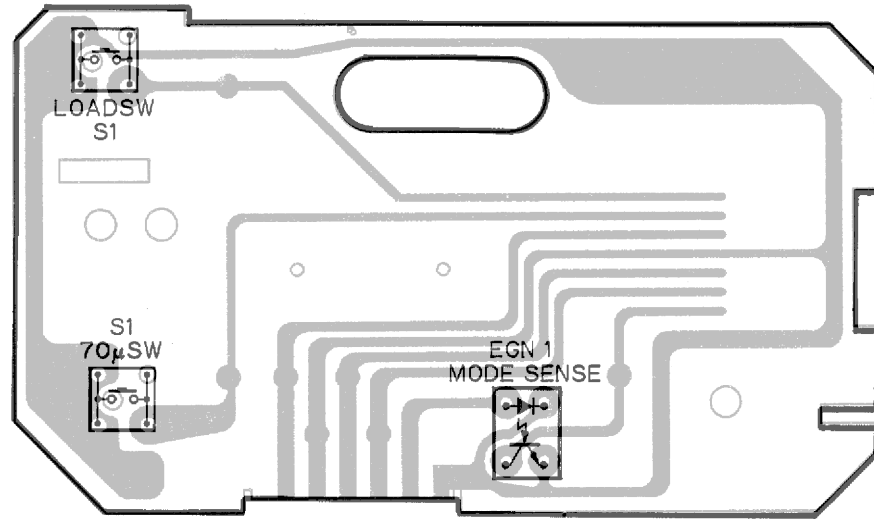


Fig. 18

**E** PCB UNIT

**SIDE B**

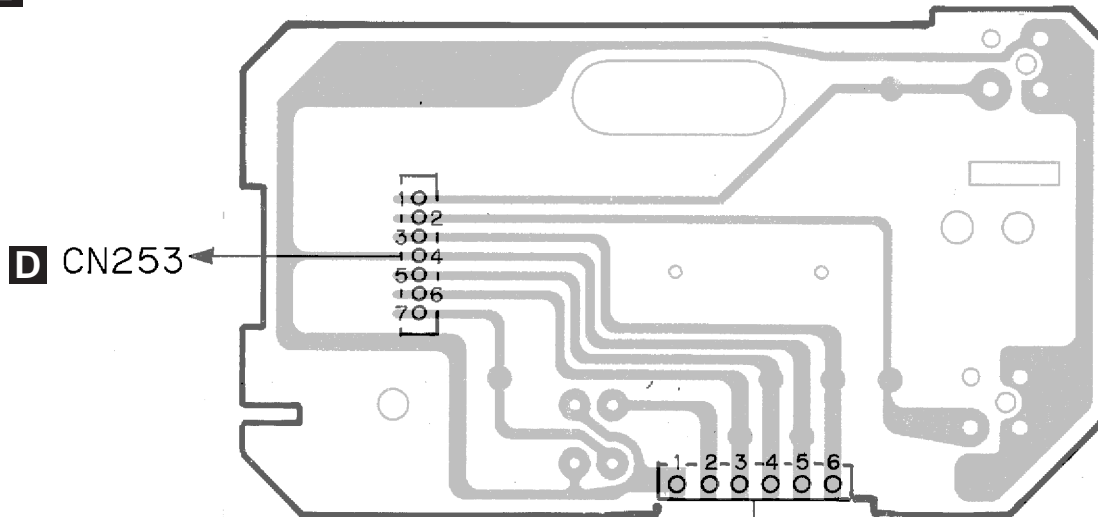


Fig. 19

**F** REEL PCB

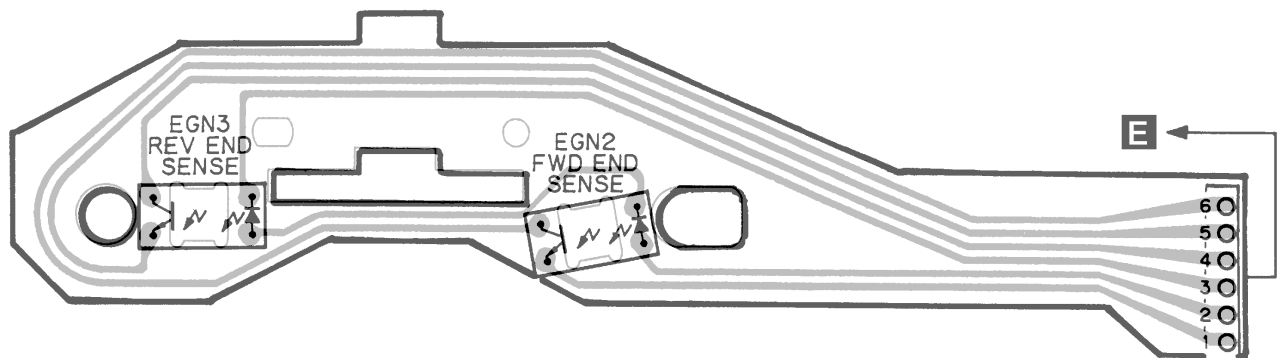


Fig. 20

5. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/○S○○○○J,RS1/○○S○○○J

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

====Circuit Symbol and No.==Part Name			Part No.	====Circuit Symbol and No.==Part Name			Part No.
<div>B</div> Unit Number: CWE1467(KEH-P525/X1M/UC,P5700/X1M/UC) Unit Number: CWE1486(KEH-P5750/X1M/ES) Unit Name : FM/AM Tuner Unit				R	7		RS1/16S123J
				R	8		RS1/16S332J
				R	9		RS1/16S473J
				R	10		RS1/16S223J
				R	11		RS1/16S124J
MISCELLANEOUS							
IC	1	IC	PA4023B	R	13		RS1/16S563J
IC	2	IC	PA4024A	R	15		RS1/16S271J
Q	1	Transistor	2SC2412KLN	R	16		RS1/16S104J
Q	2	Transistor	DTC124EU	R	17		RS1/16S332J
Q	3	FET	3SK263	R	18		RS1/16S332J
Q	31	Transistor	2SC2412KLN	R	31		RS1/16S470J
Q	201	FET	2SK932	R	32		RS1/16S822J
Q	202	Transistor	2SC2412KLN	R	33		RS1/16S822J
Q	203	Transistor	DTC124EU	R	34		RS1/16S331J
D	1	Diode	RD39JS	R	35		RS1/16S331J
D	2	Diode	RD39JS	R	51		RS1/16S271J
D	4	Diode	1SV250	R	52		RS1/16S560J
D	5	Diode	KV1410-F1	R	55		RS1/16S102J
D	6	Diode	MA157	R	56		RS1/16S823J
D	7	Diode	KV1410-F1	R	61		RS1/16S392J
D	8	Diode	KV1410-F1	R	62		RS1/16S273J
D	201	Diode	MA157	R	101		RS1/16S272J
D	202	Diode	MA157	R	102		RS1/16S682J
D	231	Diode	SVC253	R	103		RS1/16S333J
L	2	Coil	CTC1133	R	104		RS1/16S334J
L	3	Inductor	LCTB2R2K2125	R	105		RS1/16S683J
L	4	Coil	CTC1133	R	107		RS1/16S222J
L	5	Coil	CTC1132	R	151		RS1/16S222J
L	6	Inductor(KEH-P5750/X1M/ES)	LCTBR15K1608	R	152		RS1/16S393J
L	51	Ferri-Inductor	LAU150K	R	155		RS1/16S273J
L	201	Ferri-Inductor	LAU4R7K	R	156		RS1/16S243J
L	202	Ferri-Inductor	LAU330K	R	157		RS1/16S203J
L	203	Inductor	CTF1287	R	160		RS1/16S222J
L	208	Inductor	LAU121K	R	161		RS1/16S563J
L	231	Inductor	LCTA3R3J3225	R	162		RS1/16S105J
T	31	Coil	CTE1116	R	163		RS1/16S223J
T	51	Coil	CTC1136	R	202		RS1/16S223J
CF	51	Ceramic Filter	CTF1290	R	203		RS1/16S225J
CF	52	Ceramic Filter	CTF1290	R	204		RS1/16S103J
CF	53	Ceramic Filter	CTF1290	R	206		RS1/16S220J
CF	232	Ceramic Filter	CTF1348	R	207		RS1/16S101J
X	151	Resonator 920.5kHz	CSS1365	R	208		RS1/16S102J
X	231	Crystal Resonator 10.26MHz	CSS1111	R	209		RS1/16S471J
VR	154	Semi-fixed 150kΩ(B)	CCP1213	R	214		RS1/16S822J
				R	215		RS1/16S822J
RESISTORS							
R	1		RS1/16S225J	R	217		RS1/16S102J
R	2		RS1/16S225J	R	231		RS1/16S272J
R	4		RS1/16S154J	R	232		RS1/16S473J
R	5		RS1/16S391J	R	237		RS1/16S103J
R	6		RS1/16S223J	R	238		RS1/16S104J
				R	239		RS1/16S104J
				R	240		RS1/16S332J
				R	241		RS1/16S202J
				R	243		RS1/16S183J
				R	244		RS1/16S392J



A

# KEH-P525,P5700,P5750

====Circuit Symbol and No.==Part Name			Part No.	====Circuit Symbol and No.==Part Name			Part No.
Q	959	Transistor	2SC2412K	R	301		RD1/4PU103J
Q	960	Transistor	DTC114TK	R	302		RS1/10S221J
Q	961	Transistor	2SB1243	R	303		RS1/10S153J
D	301	Diode	MA152WK	R	304		RS1/10S103J
D	402	Diode	1SS270	R	305		RS1/10S152J
D	403	Diode	1SS270	R	306		RS1/10S101J
D	601	Diode	HZS7L(C2)	R	307		RS1/8S562J
D	602	Diode	HZS7L(A1)	R	308		RS1/8S223J
D	603	Diode	1SS270	R	401		RS1/10S162J
D	612	Diode	See Contrast table	R	402		RS1/10S162J
D	613	Diode	See Contrast table	R	403		RS1/10S102J
D	614	LED	BR4361F	R	404		RS1/10S222J
D	615	Diode	1SS270	R	405		RS1/10S222J
D	616	Diode	1SS270	R	406		See Contrast table
D	617	Diode	1SS270	R	407		See Contrast table
D	618	Diode	1SS270	R	408		RS1/10S562J
D	619	Diode	1SS270	R	409		RS1/10S222J
D	620	Diode	1SS270	R	410		RS1/10S102J
D	621	Diode	1SS270	R	411		RS1/10S472J
D	622	Diode	HZS7L(A1)	R	412		RS1/10S152J
D	951	Diode	1SR139-400	R	413		RS1/10S472J
D	952	Diode	1SR139-400	R	414		RS1/10S472J
D	953	Diode	1SR139-400	R	416		RS1/10S182J
D	954	Diode	1SR139-400	R	417		RS1/10S103J
D	955	Diode	1SR139-400	R	418		RS1/10S152J
D	956	Diode	HZS6L(B2)	R	419		RS1/10S0R0J
D	957	Diode	HZS9L(B3)	R	420		RS1/10S392J
D	959	Diode	HZS9L(A2)	R	421		RS1/10S102J
L	401	Ferri-Inductor	LAU2R2K	R	422		RS1/10S392J
L	403	Ferri-Inductor	LAU2R2K	R	423		RS1/10S473J
L	601	Ferri-Inductor	LAU2R2K	R	424		RS1/10S473J
L	602	Ferri-Inductor	LAU2R2K	R	425		RS1/10S472J
L	603	Ferri-Inductor	LAU2R2K	R	426		RS1/8S473J
L	751	Ferri-Inductor	LAU2R2K	R	427		RD1/4PU102J
L	951	Choke Coil 600μH	CTH1168	R	428		RD1/4PU102J
X	401	Crystal Resonator 7.200MHz	CSS1379	R	429		RD1/4PU102J
X	631	Ceramic Resonator 4.194MHz FM/AM Tuner Unit	CSS1047	R	430		RD1/4PU102J
RESISTORS			See Contrast table	R	431		RS1/10S472J
				R	433		RS1/10S104J
R	201		RS1/10S821J	R	434		RD1/4PU222J
R	202		RS1/10S821J	R	435		RS1/10S103J
R	203		RS1/10S104J	R	436		RS1/10S393J
R	204		RS1/10S104J	R	437		RS1/10S0R0J
R	205		RS1/8S563J	R	438		RS1/10S0R0J
R	206		RS1/10S563J	R	440		RS1/8S0R0J
R	207		RS1/10S152J	R	448		RS1/10S102J
R	208		RS1/10S152J	R	449		RS1/8S0R0J
R	209		RS1/10S272J	R	450		RS1/10S680J
R	210		RS1/10S272J	R	601		RS1/10S223J
R	211		RS1/8S151J	R	602		RS1/8S473J
R	212		RS1/10S151J	R	603		RS1/10S473J
R	213		RS1/10S221J	R	604		RS1/10S223J
R	214		RS1/10S221J	R	605		RS1/10S473J
R	217		RS1/10S103J	R	606		RS1/10S473J
R	218		RS1/8S102J	R	608		RD1/4PU0R0J
R	221		RS1/10S821J	R	610		RD1/4PU0R0J
R	222		RS1/10S821J	R	611		RS1/10S751J
R	223		RS1/10S473J	R	612		RS1/10S103J
R	224		RS1/10S473J	R	613		RS1/10S223J
R	225		RS1/10S473J	R	614		RS1/10S223J
R	226		RS1/10S473J	R	615		RS1/10S223J
R	227		RS1/10S0R0J	R	616		RS1/10S272J
R	229		RS1/10S392J	R	617		RS1/10S473J
R	230		RS1/10S392J	R	627		See Contrast table
				R	629		RS1/10S0R0J

====Circuit Symbol and No.====Part Name	Part No.	====Circuit Symbol and No.====Part Name	Part No.
R 631	RS1/10S473J	R 963	RS1/10S223J
R 633	RS1/10S473J	R 964	RS1/10S152J
R 637	RD1/4PU102J	R 967	RS1/10S473J
R 638	RS1/10S124J	R 968	RS1/10S102J
R 639	RD1/4PU222J	R 973	RS1/10S0R0J
R 640	RS1/10S223J	CAPACITORS	
R 641	RD1/4PU222J	C 201	CEJA2R2M50
R 642	RS1/8S103J	C 202	CEJA2R2M50
R 643	RS1/8S222J	C 203	CEJA1R0M50
R 644	RD1/4PU222J	C 204	CEJA1R0M50
R 645	RD1/4PU103J	C 205	CEJA4R7M35
R 646	RS1/8S222J	C 206	CEJA4R7M35
R 647	RS1/8S222J	C 207	CEJA100M16
R 648	RS1/10S222J	C 208	CEJA100M16
R 649	RS1/10S222J	C 209	CKSQYB822K50
R 650	RD1/4PU222J	C 210	CKSQYB822K50
R 651	RD1/4PU222J	C 211	CEJA1R0M50
R 652	RD1/4PU222J	C 212	CEJA1R0M50
R 653	RS1/10S222J	C 213	CKSQYB183K25
R 654	RS1/10S473J	C 214	CKSQYB183K25
R 655	RS1/10S473J	C 215	CKSQYB102K50
R 656	RS1/10S473J	C 216	CKSQYB102K50
R 657	RS1/10S473J	C 217	CEJA2R2M50
R 658	RS1/10S103J	C 218	CEJA2R2M50
R 659	RS1/10S392J	C 219	CKSQYB333K25
R 660	RS1/10S472J	C 220	CKSQYB333K25
R 661	RD1/4PU472J	C 221	CEJA220M10
R 662	RS1/10S222J	C 222	CEJA220M10
R 663	RS1/8S222J	C 223	CKSQYF104Z25
R 664	RD1/4PU102J	C 225	CKSQYB473K16
R 665	RD1/4PU102J	C 227	CEJA2R2M50
R 667	RS1/10S102J	C 228	CEJA2R2M50
R 695	RS1/8S472J	C 229	CEJA2R2M50
R 716	See Contrast table	C 230	CEJA2R2M50
R 717	See Contrast table	C 231	CEJA2R2M50
R 751	RS1/10S181J	C 232	CEJA2R2M50
R 752	RS1/10S181J	C 236	CKSQYB473K16
R 753	RS1/10S223J	C 309	See Contrast table
R 754	RS1/10S223J	C 310	CKSQYB104K16
R 755	RS1/10S102J	C 311	CKSQYB224K16
R 756	RS1/10S102J	C 312	CKSQYB224K16
R 757	RS1/10S102J	C 313	CKSQYB224K16
R 758	RS1/8S102J	C 314	CKSQYB224K16
R 759	RS1/10S473J	C 315	CEJA100M16
R 760	RS1/10S473J	C 316	CKSQYB224K16
R 761	RS1/10S102J	C 317	CEJA1R0M50
R 762	RS1/10S101J	C 318	CEJA330M10
R 763	RS1/10S101J	C 401	CKSQYB223K25
R 764	RS1/10S620J	C 402	CKSYB273K25
R 765	RS1/10S223J	C 406	CCSQSL101J50
R 766	RS1/10S472J	C 407	CKSQYB102K50
R 767	RS1/10S222J	C 408	CEJA220M16
R 768	RS1/10S0R0J	C 409	CKSQYB103K25
R 951	RS1/10S473J	C 410	CEJA220M6R3
R 952	RD1/4PU102J	C 411	CEJA220M16
R 953	RD1/4PU471J	C 412	CKSQYB103K25
R 954	RD1/4PU101J	C 413	CKSQYB103K25
R 955	RS1/10S472J	C 415	CKLSR473K16
R 956	RS1/10S473J	C 416	CKSQYB103K25
R 957	RS1/10S102J	C 418	CKSQYB103K25
R 958	RS1/10S473J	C 419	See Contrast table
R 959	RS1/10S102J	C 420	CKSQYB103K25
R 960	RS1/8S103J	C 421	CKSQYB103K25
R 961	RS1/8S1R0J	C 422	CEJA220M6R3
R 962	RS1/10S103J	C 423	CKSQYB473K16
		C 424	CCH1250

4.7μF/16V

# KEH-P525,P5700,P5750

====Circuit Symbol and No.==Part Name	Part No.	====Circuit Symbol and No.==Part Name	Part No.
C 425	CKSQYB103K25	C 624	CKSYB102K50
C 429	CCSQCH150J50	C 672	See Contrast table
C 430	CCSQCH150J50	C 751	CEJA1R0M50
C 431	CCSQSL101J50	C 752	CEJA1R0M50
C 432	CKSQYB103K25	C 753	CEJA1R0M50
C 439	CKSQYB473K25	C 754	CEJA1R0M50
C 440	CKSQYB473K25	C 755	CEJA100M16
C 442	CKSQYB102K50	C 756	CEJA100M16
C 443	CKSQYB154K16	C 757	CKSQYB102K50
C 601	See Contrast table	C 758	CKSQYB104K16
C 602	CKSQYB103K25	C 951	CCH1183
C 606	CEJA100M16	C 952	CEJA470M10
C 607	See Contrast table	C 953	CEAS101M10
C 612	CEAL2R2M50	C 954	CKSQYB103K25
C 613	CKSYB102K50	C 956	CKSQYB103K25
C 614	CCSQSL101J50	C 957	CKSQYB103K25
C 615	CEJA4R7M35	C 958	CEAS101M10
C 618	CKSQYB223K25	C 960	CKSQYB472K50
C 619	CKSQYB473K16		
C 622	CEJA220M10		

## CONTRAST TABLE of TUNER AMP UNIT

KEH-P525/X1M/UC, KEH-P5700/X1M/UC and KEH-P5750/X1M/ES have the same construction except for the following:

Symbol and Description	Part No.		
	KEH-P525/X1M/UC	KEH-P5700/X1M/UC	KEH-P5750/X1M/ES
FM/AM Tuner Unit	CWE1467	CWE1467	CWE1486
IC 301 IC	TDA7386	TDA7384	TDA7384
IC 602 IC	TPD1018F	TPD1018F	Not used
D 612,613 Diode	1SR139-400	1SR139-400	Not used
R 406	Not used	Not used	RD1/4PU182J
R 407	RS1/10S0R0J	RS1/10S0R0J	Not used
R 627	RD1/4PU103J	RD1/4PU103J	Not used
R 716	RS1/10S473J	RS1/10S273J	Not used
R 717	Not used	RS1/10S473J	RS1/10S473J
C 309	CCH1188(4700µF/16V)	CCH1018(3300µF/16V)	CCH1018(3300µF/16V)
C 419	Not used	Not used	CKSQYB103K25
C 601	CKSQYB103K25	CKSQYB103K25	Not used
C 607	CCSQSL101J50	CCSQSL101J50	Not used
C 672	CKSQYB472K50	CKSQYB472K50	Not used

====Circuit Symbol and No.==Part Name

Part No.

**D** Unit Number : EWM1016  
Unit Name : Deck Unit

## MISCELLANEOUS

IC	251	IC	CXA2560Q
IC	351	IC	PA2020A
Q	351	Transistor	2SB1260
Q	352	Transistor	2SC4102
D	351	Diode	1SS355
VR	301	Semi-fixed 33kΩ(B)	CCP1280
VR	302	Semi-fixed 33kΩ(B)	CCP1280

## RESISTORS

R	255	RS1/16S221J
R	256	RS1/16S221J
R	257	RS1/16S102J
R	258	RS1/16S102J
R	271	RS1/16S102J
R	272	RS1/16S102J
R	273	RS1/16S102J
R	281	RS1/8S0R0J
R	282	RS1/8S0R0J
R	283	RS1/8S0R0J
R	284	RS1/8S0R0J
R	285	RS1/16S0R0J
R	286	RS1/16S0R0J
R	287	RS1/8S0R0J
R	290	RS1/8S0R0J
R	301	RS1/16S183J
R	322	RS1/16S102J
R	351	RS1/16S102J
R	352	RS1/16S102J
R	353	RS1/16S102J
R	354	RS1/16S102J
R	355	RS1/10S274J
R	356	RS1/10S202J
R	357	RS1/10S472J
R	358	RS1/10S103J
R	359	RS1/10S103J
R	360	RS1/10S102J
R	361	RS1/10S622J
R	362	RS1/8S181J
R	373	RS1/8S0R0J
R	374	RS1/8S0R0J
R	375	RS1/8S0R0J
R	401	RS1/16S472J
R	402	RS1/16S163J
R	403	RS1/16S823J

## CAPACITORS

C	251	CKSRYB331K50
C	252	CKSRYB331K50
C	253	CKSRYB331K50
C	254	CKSRYB331K50
C	255	CKSRYB103K25
C	256	CKSRYB103K25
C	272	CKSQYB104K16
C	273	CEJA220M16
C	301	CKSYB104K50
C	302	CKSYB104K50
C	309	CKSQYB104K16
C	310	CKSQYB104K16
C	313	CCSQCH101K50
C	351	CKSYB224K25
C	352	CKSQYB392K50

====Circuit Symbol and No.==Part Name

Part No.

C	353	CKSQYB103K50
C	354	CKSQYB103K50
C	355	CKSYB104K50
C	356	CKSQYB103K50
C	401	CKSQYB334K16

C	402	CKSQYB472K50
C	403	CKSQYB683K16

**C** Unit Number : CWM5673  
Unit Name : Keyboard Unit

## MISCELLANEOUS

IC	901	IC	PD6247A
IC	902	IC	RS-140
Q	901	Transistor	2SC2412K
D	901	Chip Diode	MA151WK
D	902	Diode	MA151WA
D	903	LED	NSPWF50SB
D	904	LED	NSPWF50SB
D	905	LED	NSPWF50SB
D	906	LED	CL170PGCD
D	907	LED	CL170PGCD
D	908	LED	CL170PGCD
D	909	LED	CL170PGCD
D	910	LED	CL170PGCD
L	901	Inductor	LCTA101J3225
X	901	Ceramic Resonator 4.97MHz	CSS1312
S	901	Switch	CSG1043
S	902	Switch	CSG1043
S	903	Switch	CSG1043
S	904	Switch	CSG1041
S	905	Switch	CSG1084
S	906	Switch	CSG1085
S	907	Switch	CSG1041
S	908	Switch	CSG1084
S	909	Switch	CSG1041
S	910	Switch	CSG1085
S	911	Switch	CSG1086
S	912	Switch	CSG1086
S	913	Switch	CSG1086
S	914	Switch	CSG1086
S	915	Switch	CSG1085
S	916	Switch	CSG1084
S	917	Switch	CSG1085
S	918	Switch	CSG1084
S	919	Switch	CSG1085
S	920	Switch	CSG1084
S	921	Switch	CSG1085
IL	901	Lamp 14V 40mA	CEL1558
LCD	901	LCD	CAW1477

## RESISTORS

R	901	RS1/10S222J
R	902	RS1/10S222J
R	903	RS1/10S472J
R	904	RS1/10S121J
R	905	RS1/10S2R2J
R	906	RS1/10S470J
R	907	RS1/10S470J
R	908	RS1/4S511J
R	909	RS1/4S751J
R	910	RS1/4S391J
R	911	RS1/4S391J
R	912	RS1/4S391J
R	913	RS1/4S391J
R	914	RS1/4S391J
R	915	RS1/4S391J

====Circuit Symbol and No.==Part Name	Part No.
R 916	RS1/4S391J
R 917	RS1/4S391J
R 918	RS1/10S472J
R 919	RS1/4S391J
CAPACITORS	
C 901	CSZSR100M6R3
C 902	CKSQYF104Z50
C 903	CSZSR100M6R3
C 904	CKSQYB103K25
C 905	CKSQYB103K25
C 906	CKSQYB103K25
C 907	CKSQYF104Z50
C 908	CKSQYF104Z50
C 909	CKSQYF104Z50

====Circuit Symbol and No.==Part Name	Part No.
<div><div>E</div><div>Unit Number : Unit Name : PCB Unit</div></div>	
S 1 Switch (Load)	ESG1004
S 2 Switch (70μS)	ESG1004
EGN 1 Photo-Interrupter	EGN1005
<div><div>F</div><div>Unit Number : Unit Name : Reel PCB</div></div>	
EGN 2 Photo-Interrupter	EGN1006
EGN 3 Photo-Interrupter	EGN1006
Miscellaneous Parts List	
M 1 Motor Unit (Main)	EXA1544
M 2 Motor Unit (Sub)	EXA1485
HD 1 Head Assy	EXA1506

## 6. ADJUSTMENT

### ● Connection Diagram

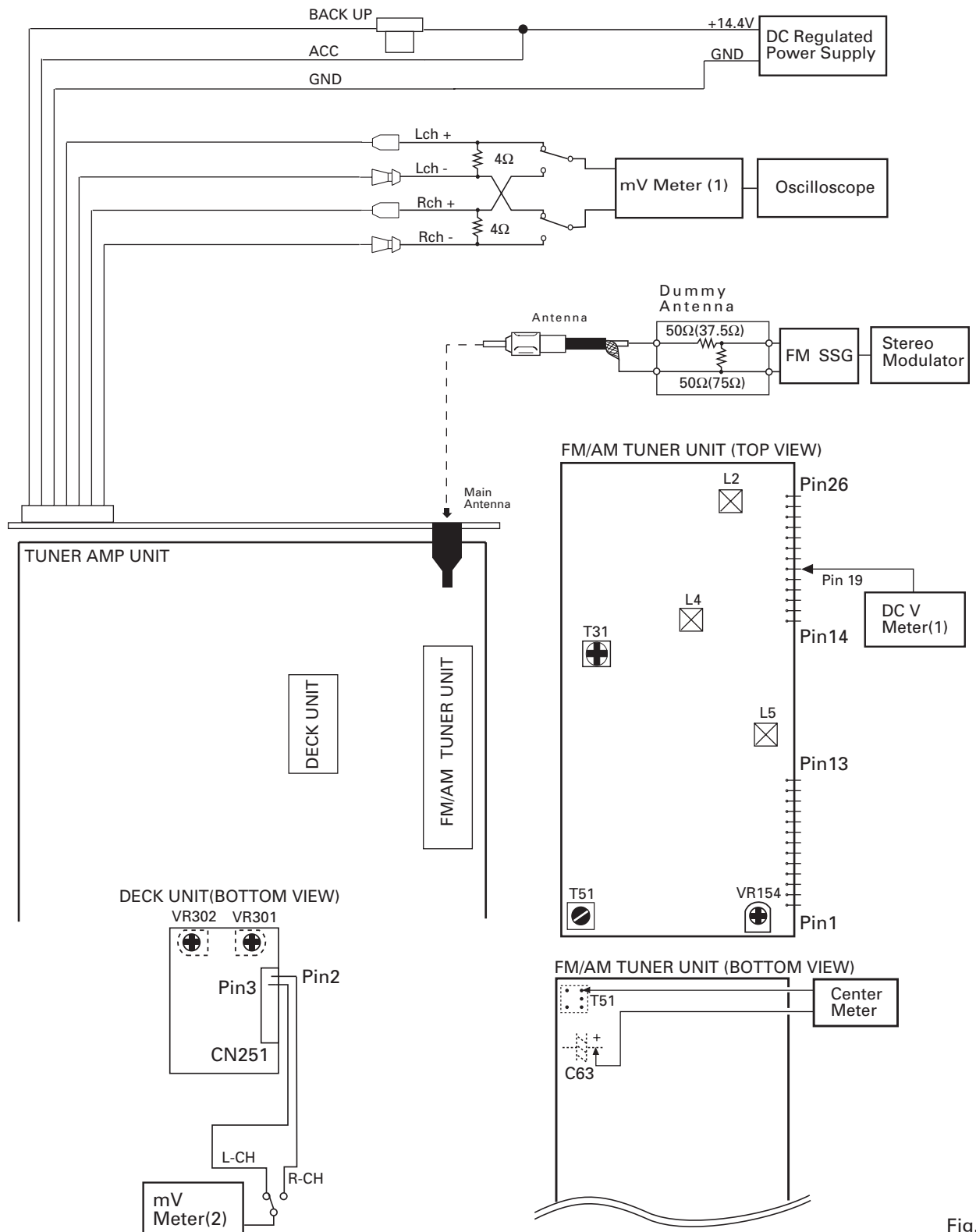


Fig. 21

## KEH-P525,P5700,P5750

Modulation M:MONO MOD., 400Hz 30%(22.5kHz Dev.) or 400Hz 100%(75kHz Dev.)

S:STEREO MOD., 1kHz, L or R=30%(20.25kHz+7.5kHz Dev.)

NOTE:Before proceeding to further adjustments after switching power ON, let the tuner run for ten minutes to allow the circuits to stabilize.

### FM ADJUSTMENT(KEH-P525/X1M/UC,P5700/X1M/UC)

	No.	FM SSG		Displayed	Adjustment Point	Adjustment Method (Switch Position)
		Frequency(MHz)	Level(dBf)	Frequency(MHz)		
TUN Volt	1	.....	.....	107.9	L5	DC V Meter(1) : 6V
IF	2	98.1 M	60	98.1	T51	Center Meter : 0
ANT Coil	3	98.1 M	5	98.1	L2	mV Meter(1) : Maximum
RF Coil	4	98.1 M	5	98.1	L4	mV Meter(1) : Maximum
IFT	5	98.1 M	5	98.1	T31	mV Meter(1) : Maximum (STEREO MODE)
ARC	6	98.1 S	40	98.1	VR154	mV Meter(1) : Separation 5dB (STEREO MODE)

### FM ADJUSTMENT(KEH-P5750/X1M/ES)

	No.	FM SSG		Displayed	Adjustment Point	Adjustment Method (Switch Position)
		Frequency(MHz)	Level(dBf)	Frequency(MHz)		
TUN Volt	1	.....	.....	108.0	L5	DC V Meter(1) : 6V
IF	2	98.1 M	60	98.1	T51	Center Meter : 0
ANT Coil	3	98.1 M	5	98.1	L2	mV Meter(1) : Maximum
RF Coil	4	98.1 M	5	98.1	L4	mV Meter(1) : Maximum
IFT	5	98.1 M	5	98.1	T31	mV Meter(1) : Maximum (STEREO MODE)
ARC	6	98.1 S	40	98.1	VR154	mV Meter(1) : Separation 5dB (STEREO MODE)

### DOLBY B NR ADJUSTMENT

No.	Test Tape	Adjustment Point	Adjustment Method (Switch Position)
1	NCT-150 (400Hz,200nwb/m)	VR301(Lch),VR302(Rch)	mV Meter(2) : -6dBs±1.0dB (DOLBY NR Switch : OFF)

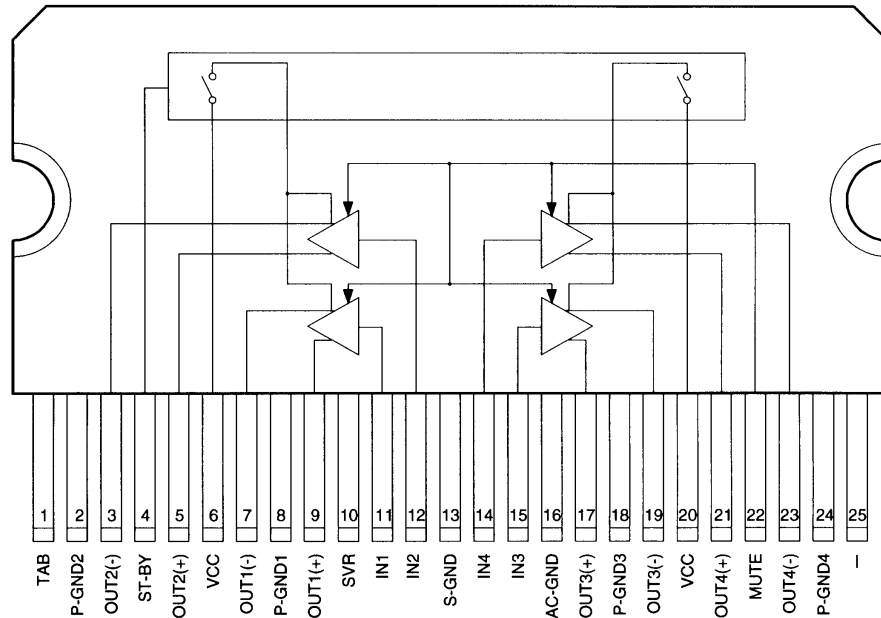


## 7. GENERAL INFORMATION

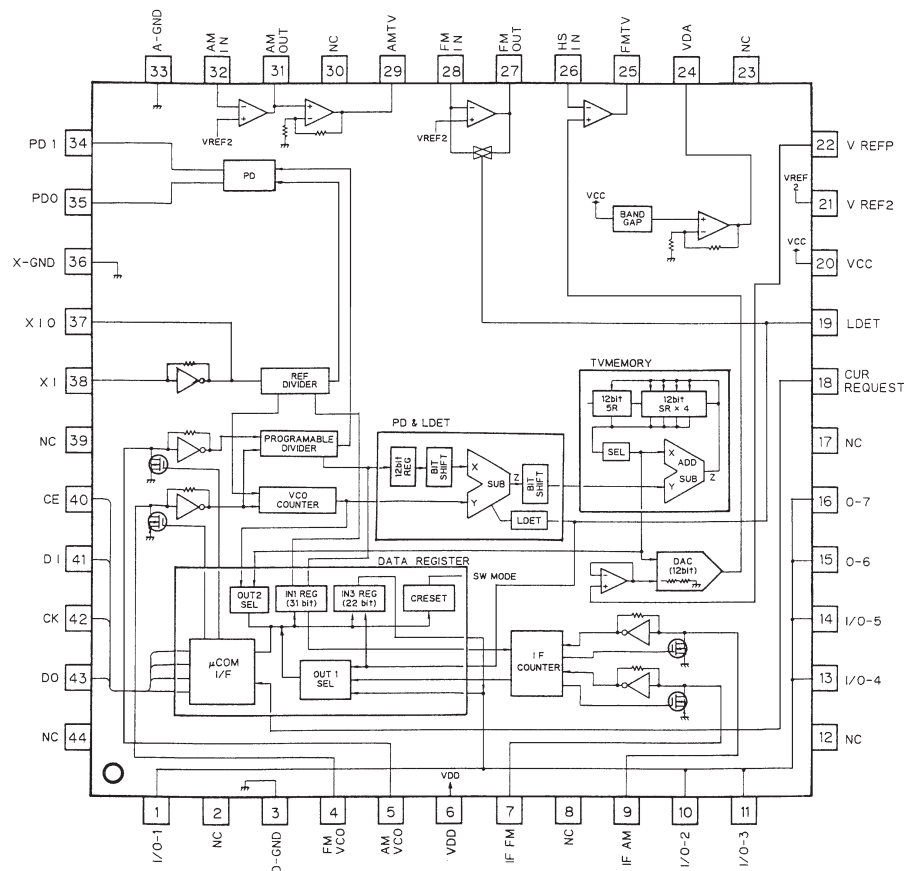
### 7.1 PARTS

#### 7.1.1 IC

TDA7384,TDA7386



PM2006A

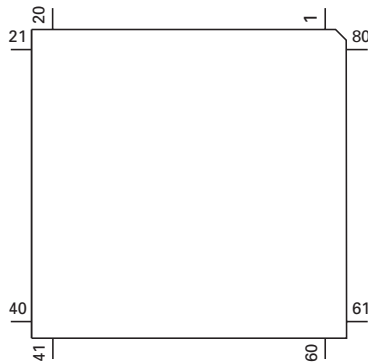


## ● Pin Functions (PD4915A)

Pin No.	Pin Name	I/O	Format	Function and Operation
1	ASENBO	O	C	Slave power supply control output
2	NC			Not used
3	ADPW	O	C	A/D converter power
4	AVSS			A/D GND
5	FIEOUT	O	C	FIE ON/OFF control output
6	ST	I		FM stereo input
7	AVREF1			(Connect to VDD)
8	KYDT	I		Key data input
9	DPDT	O	C	Display data output
10	SWVDD	O	C	Key board unit power supply control output
11	TUNPD1	I		PLL IC data input
12	TUNPD0	O	C	PLL IC data output
13	TUNPCK	O	C	PLL IC clock
14	TUNPCE	O	C	PLL IC chip enable
15,16	NC			Not used
17	TX	O	C	IP BUS data output
18,19	NC			Not used
20	DRELAY	O	C	External relay output
21	EORR			Not used
22	EVST	O	C	Electric volume strobe output
23	EVCK	O	C	Electric volume serial clock output
24	EVDT	O	C	Electric volume serial data output
25	LCDPW			Not used
26	DRSYS	O	C	Door system select output
27	DRSENS	I		Door open/close sense input
28	ILPW	O	C	Illumination power
29	FM	O	C	FM power control output
30	AM	O	C	AM power control output
31	NR	O	C	NR output
32	CM	O	C	Cassette mechanism capstan motor control output
33	VSS			GND
34	SC2	O	C	Cassette mechanism sub motor control output
35	SC1	O	C	Cassette mechanism sub motor control output
36	MS	I		Cassette mechanism MS sense input
37	NC			Not used
38	MTL	I		Cassette mechanism tape select input
39	DLED	O	N	Alarm LED output
40	$\overline{N/R}$	O	C	Normal reverse output
41	PLAY	O	N	Tape MS filter select output
42	LOADSW	I		Tape loading input
43	POS	I		Cassette mechanism position sense input
44	RES	I		Cassette mechanism reverse end sense input
45	PEE	O	C	Beep tone output
46	NES	I		Cassette mechanism forward end sense input
47	NC			Not used
48	STBY	O	C	Stand-by output
49–52	NC			Not used
53	SD	I		SD input
54	MUTE	O	C	System mute output
55	SYSPW	O	C	System power supply control output
56–59	NC			Not used
60	RESET	I		Reset input
61	RX	I		IP BUS data input
62	NC			Not used
63	$\overline{DSENS}$	I		Grille detach sense
64	$\overline{ISENS}$			Not used
65	$\overline{ASENS}$	I		ACC power sense input

Pin No.	Pin Name	I/O	Format	Function and Operation
66	BSENS	I		Back up power sense input
67	CLKIN	I		Clock input
68	VDD			Power supply
69	X2			Oscillator output
70	X1			Oscillator input
71	IC			GND
72	NC			Not used
73	TESTIN	I		Test program mode input
74	AVDD	I		A/D converter analogue power
75	AVREF0	I		A/D converter standard voltage input
76	SL	I		Signal level input
77	CL	I		Synchronizing signal input of display data latch
78-80	NC			Not used

\*PD4915A

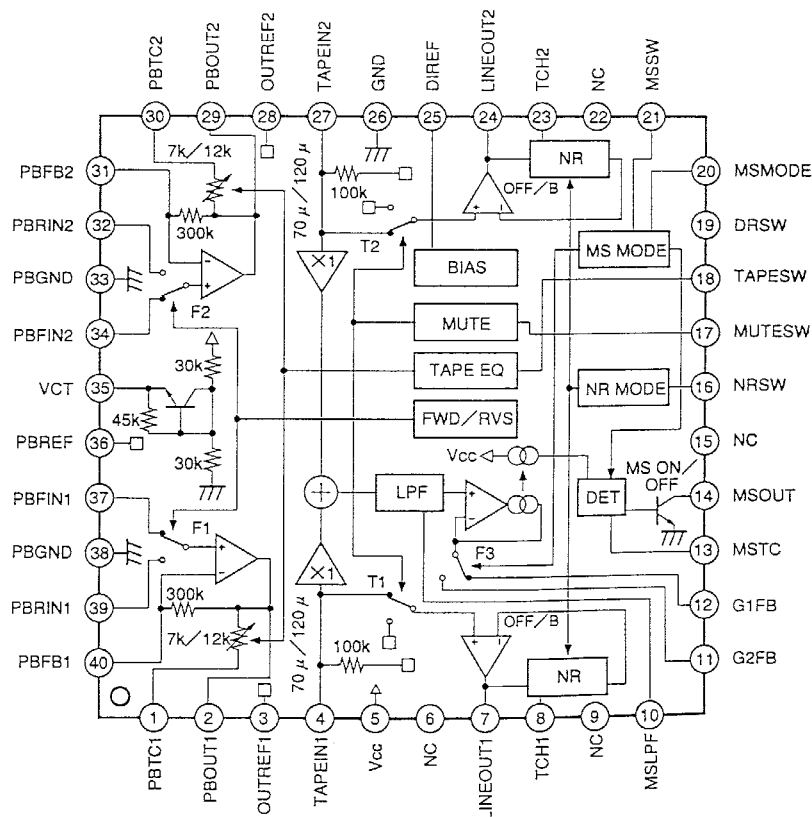


IC's marked by\* are MOS type.

Be careful in handling them because they are very liable to be damaged by electrostatic induction.

Format	Meaning
C	C MOS
N	N Channel open drain

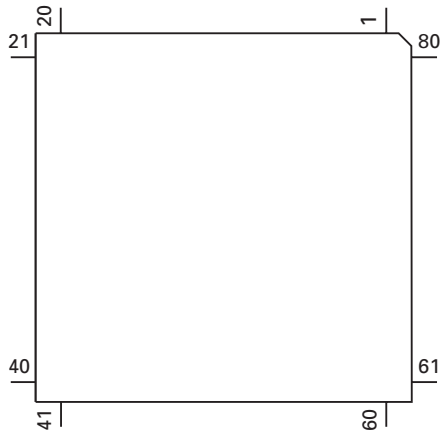
CXA2560Q



● Pin Functions(PD6247A)

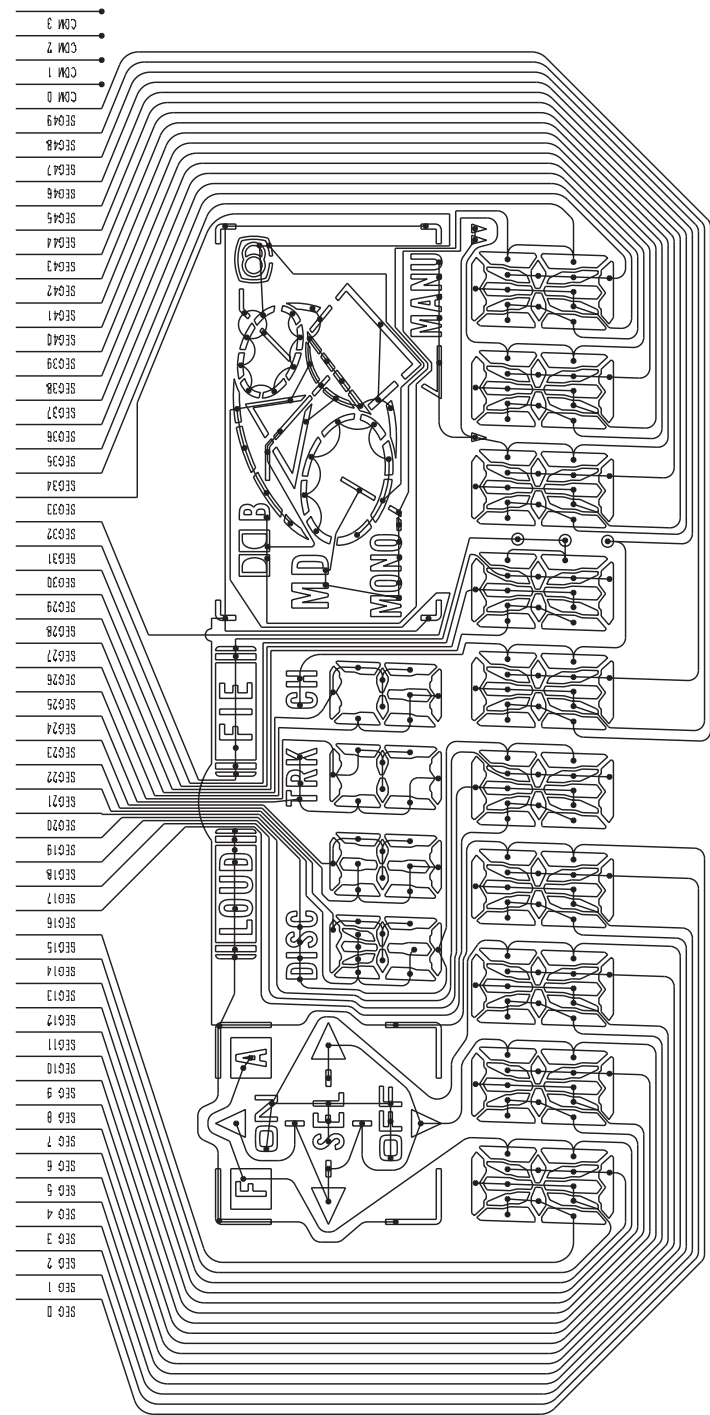
Pin No.	Pin Name	I/O	Function and Operation
1	VSS		GND
2	X1		Crystal oscillator connection pin
3	X0		Crystal oscillator connection pin
4	RST	I	System reset
5,6	MODE1,0		GND
7	DIM	O	Dimmer select output
8	SO	O	UART output
9	SI	I	UART input
10	REMIN	I	Remote control reception
11	RVER		Not used
12	NC		Not used
13-16	KDT4-1	I	Key data input
17-22	KST6-1	O	Key strobe output
23	VCC		5V
24-73	SEG49-0	O	LCD segment output
74-77	COM3-0	O	Common driver output
78-80	V3-1		LCD bias power supply

\*PD6247A

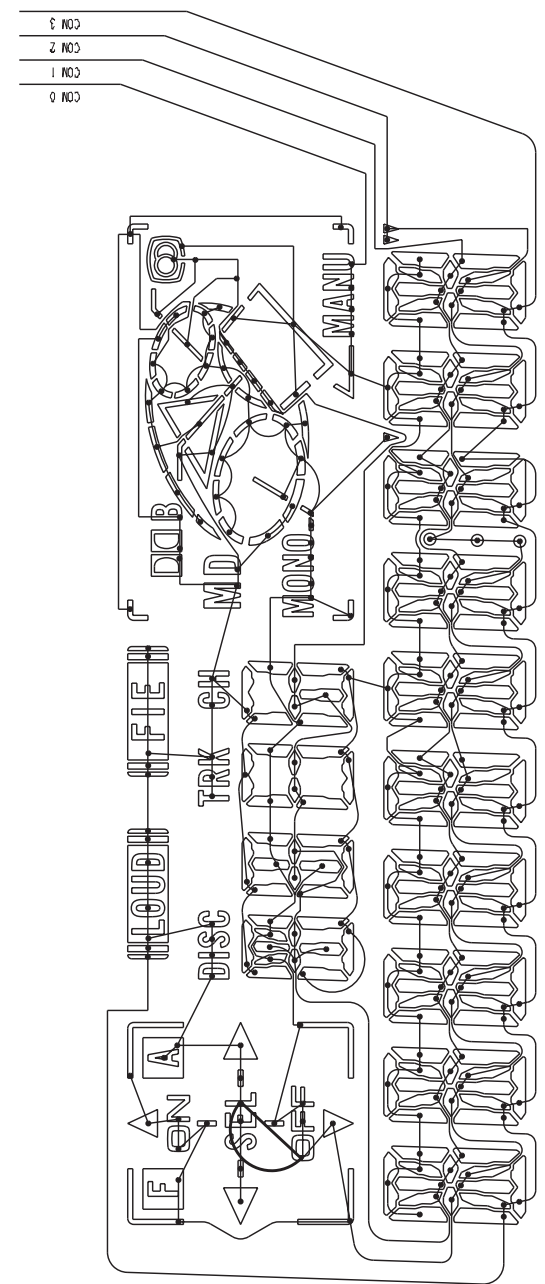


7.1.2 DISPLAY

● CAW1477



SEGMENT



COMMON

Fig. 22

## 7.2 DISASSEMBLY

### ● Removing the Case(not shown)

- 1.Remove the three screws.
- 2.Remove the Case.

### ● Removing the Cassette Mechanism Module (not shown)

- 1.Remove the four screws.
- 2.Disconnect the connector, and then removing the Cassette Mechanism Module.

### ● Removing the Detach Grille Assy(Fig.23)

- 1.Push the detach button.
- 2.Remove the Detach Grille Assy.

### ● Removing the Panel Unit(Fig.23)

- 1.Disengage the stopper at four locations indicated by white-arrows and then remove the Panel.
- 2.Disengage the stopper at two locations indicated by black-arrows.
- 3.Remove the Panel Unit.

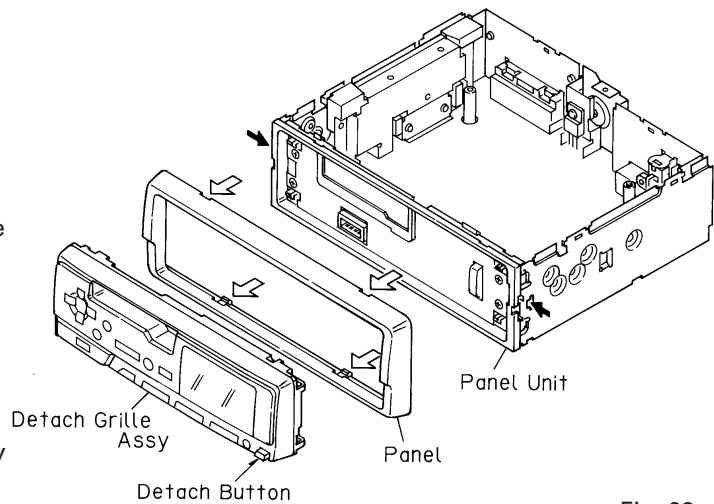


Fig. 23

### ● Removing the Tuner Amp Unit(Fig.24)

- 1.Removing the two screws A, three screws B and screw C.
- 2.Unbend the tabs at four locations indicated by arrow until straight.
- 3.Remove the Tuner Amp Unit.

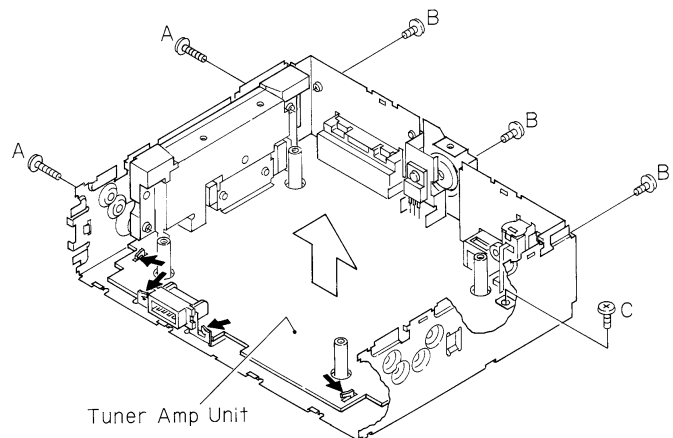


Fig. 24



8. OPERATIONS AND SPECIFICATIONS

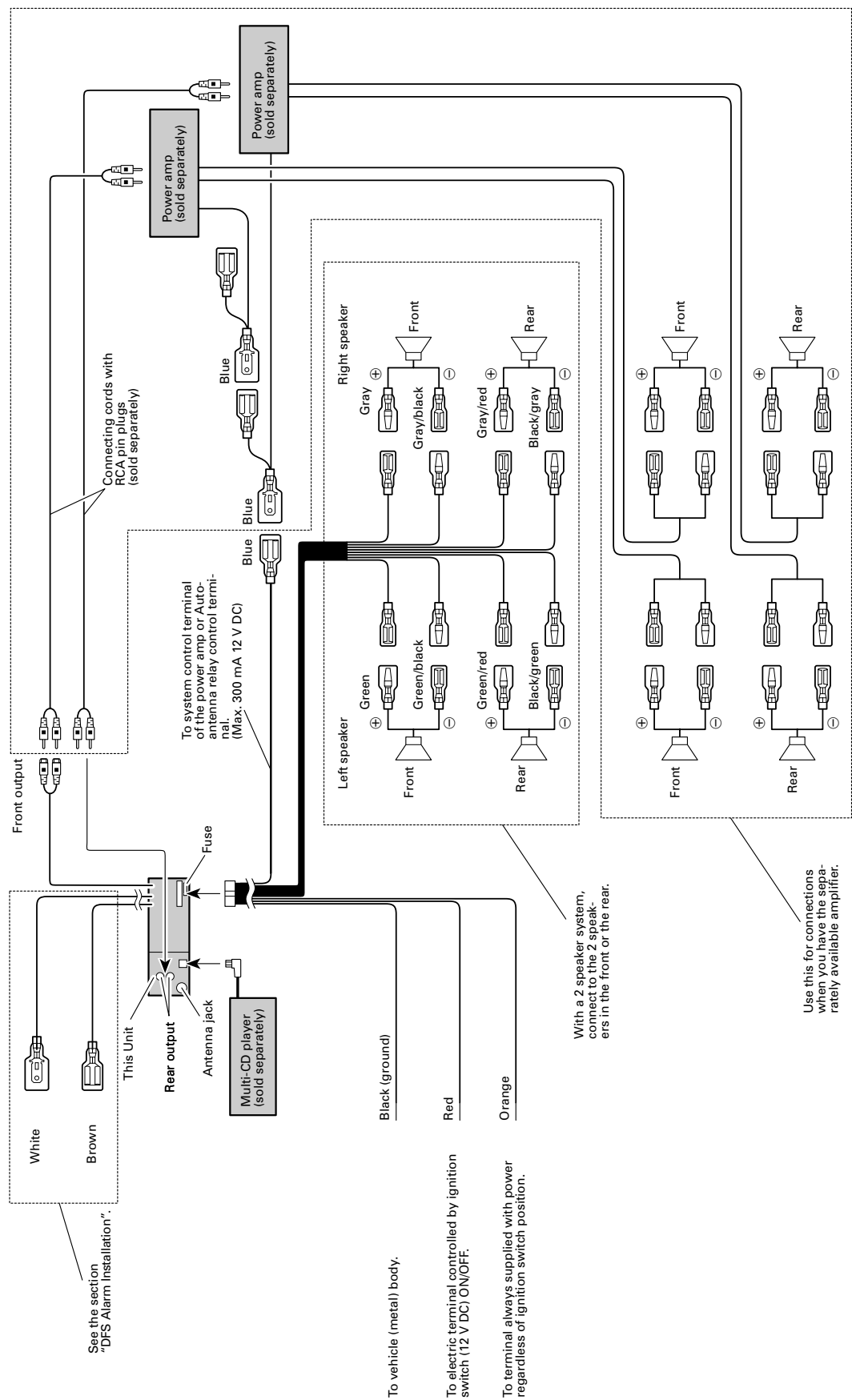
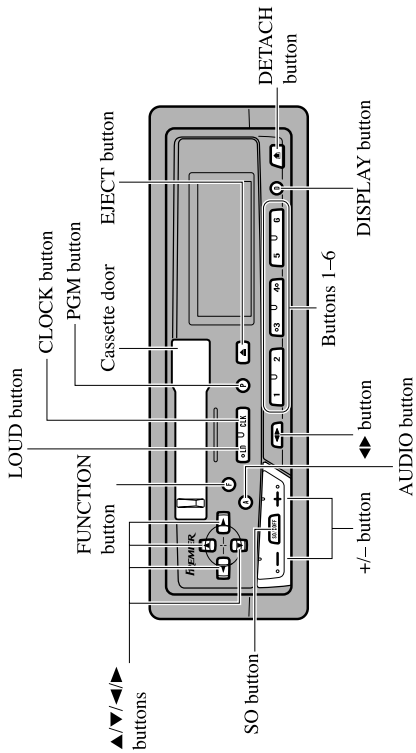


Fig. 26



Key Finder

Head Unit



Basic Operation

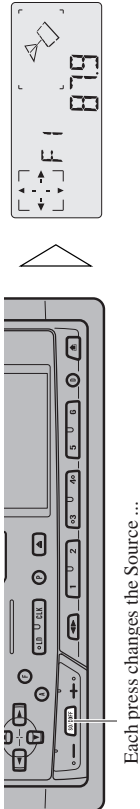
To Listen to Music

The following explains the initial operations required before you can listen to music.

Note:

- Loading a cassette in this product.

1. Select the desired source. (e.g. tuner)



Head Unit

Each press of the SO button selects the desired source in the following order:  
CD player (one disc only) → Tuner → Tape → Multi-CD player → AUX

Remote Controller

Each press of the button selects the desired source in the following order:

- TUNER button : Tuner → OFF
- TAPE button : Tape → OFF
- CD button : CD player (one disc only) → Multi-CD player → OFF

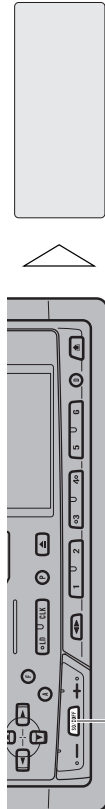
Note:

- In the following cases, the sound source will not change:
  - \* No Multi-CD player is connected to this product. (When "M-CD" display is OFF.)
  - \* No CD player is connected to this product.
  - \* No cassette tape is set in this product.
  - \* No magazine is set in the Multi-CD player.
  - \* No disc is set in the CD player.
  - \* AUX (external input) is set to OFF.

2. Raise or lower the volume.



3. Turn the source OFF.



Basic Operation of Tuner

Manual and Seek Tuning

- You can select the tuning method by changing the length of time you press the ◀/▶ button.

Manual Tuning (step by step)	0.3 seconds or less
Seek Tuning (automatically)	0.3 – 2 seconds
Manual Tuning (continuously)	2 seconds or more

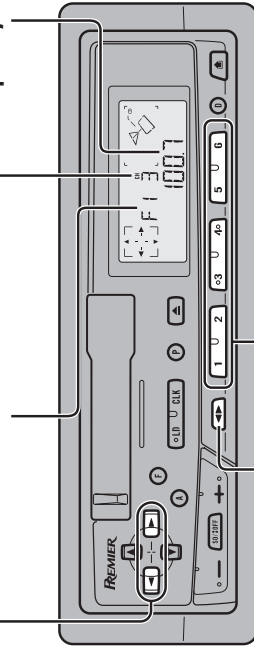
Note:

- “◯” stereo indicator lights when a stereo station is selected.

Preset Number Indicator

Frequency Indicator

Band Indicator



Band

- F1 (FM1) → F2 (FM2)  
→ F3 (FM3) → A1 (AM)

Preset Tuning

- You can memorize broadcast stations in buttons 1 through 6 for easy, one-touch station recall.

Preset station recall	2 seconds or less
Broadcast station preset memory	2 seconds or more

Note:

- Up to 18 FM stations (6 in F1 (FM1), F2 (FM2) and F3 (FM3)) and 6 AM stations can be stored in memory.
- You can also use the ▲ or ▼ buttons to recall broadcast stations memorized in buttons 1 through 6.

Basic Operation of Cassette Player

Fast Forward/Rewind and Music Search

- Each press of the ◀ button selects **Rewind** or **Rewind-Music Search**.  
REW (Rewind) → R-MS (Rewind-Music Search) → Normal Playback
- Each press of the ▶ button selects **Fast forward** or **Forward-Music Search**.  
FF (Fast forward) → F-MS (Forward-Music Search) → Normal Playback

Note:

- Fast forward/Rewind and Music Search can be canceled by pressing the ◀▶ button.

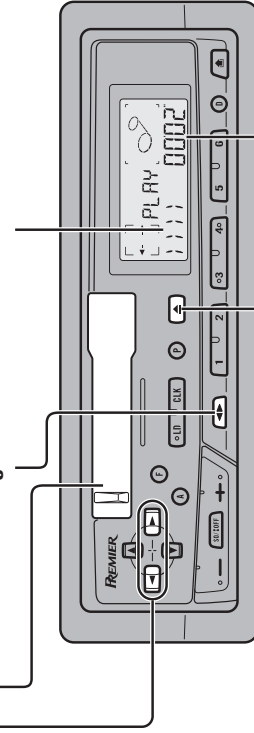
Cassette Loading Slot

Note:

- “METAL” appears on the display for 2 seconds when a metal or chrome tape is inserted. Nothing is displayed for a normal tape.

Direction Change

Direction Indicator



Eject

Note:

- The Tape function can be turned ON/OFF with the cassette tape remaining in this product.

Elapsed Play Time Indicator

Note:

- The continuous playback time count starts at 00'00" at the following times.
  - When a tape is inserted.
  - When the tape direction is changed.
  - When you rewind the tape side currently playing back to the beginning.
- The continuous playback time count is halted when fast-forwarding/rewinding and while the Music Search function is operating.

## Basic Operation

### Basic Operation of Multi-CD Player

This product can control one or more multi-CD players. (There are some types of Multi-CD players such as CDX-P630S, which you cannot connect more than one.)

#### Switching the Multi-CD Player

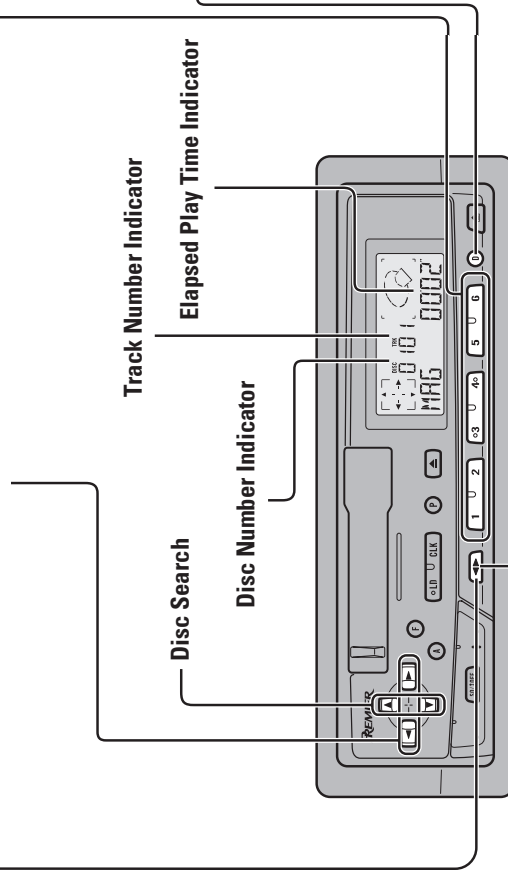
Using a multiple connection adapter lets you connect up to three Multi-CD players.

M-CD 1 → M-CD 2 → M-CD 3  
(Displayed for about 2 seconds.)

#### Track Search and Fast Forward/Reverse

- You can select between Track Search or Fast forward/Reverse by pressing the ◀/▶ button for a different length of time.

Track Search	0.5 seconds or less
Fast forward/Reverse	Continue pressing



### Ejecting a Single Disc (for 50-Disc type only)

- Press the ◀▶ button for 2 seconds or more, and you can eject the currently playing disc from the extra tray.  
(Refer to the operation manual for the 50-Disc type Multi-CD player for details concerning disc ejection from the extra tray.)

#### Note:

- This function does not operate if a disc is already loaded in the extra tray.

### Disc Number Search (for 6-Disc, 12-Disc types)

- You can select discs directly with the 1 to 6 buttons. Just press the number corresponding to the disc you want to listen to.

#### Note:

- When a 12-Disc Multi-CD Player is connected and you want to select disc 7 to 12, press the 1 to 6 buttons for 2 seconds or longer.

### Disc Number Rough Search (for 50-Disc type only)

This handy function lets you select discs loaded in a 50-Disc Multi-CD Player using the 1 to 5 buttons. The 50 discs are divided into five blocks, with each of the 1 to 5 buttons assigned to a block.

- Select the desired block with the 1 to 5 buttons.

#### Note:

- After completing a rough search, use the ▲ and ▼ buttons to select a desired disc.

### Switching between Displays

- Each time you press the DISPLAY button, the display switches between Disc Title and Group indications for the disc currently playing.

Playback mode (Elapsed play time) → Disc Title → Music Group

#### Note:

- Music Group display is a 50-Disc type Multi-CD player function. You cannot switch to this display with 6-Disc and 12-Disc type Multi-CD players.
- If you switch displays when disc titles have not been input or when discs have not been allocated to a music group, "NO TITLE" or "NO GROUP" is displayed for about 8 seconds.

#### Note:

- The multi-CD player may perform a preparatory operation, such as verifying the presence of a disc or reading disc information, when the power is turned ON or a new disc is selected for playback. "READY" is displayed.
- When a magazine is loaded into a 50-Disc type Multi-CD Player, information on all the discs in the magazine is read.  
If you start playing a disc on a 50-Disc type Multi-CD Player before reading of information on all discs has been completed, reading of information stops part way through. This will prevent you from using a number of functions. (If you try and use these functions, "NOT READY" is displayed.)
- If this happens, reading of information begins again when you switch to a component other than the 50-Disc type Multi-CD Player.
- If the multi-CD player cannot operate properly, an error message such as "ERROR-14" is displayed. Refer to the multi-CD player owner's manual.
- If there are no discs in the multi-CD player magazine, "NO DISC" is displayed.
- "LOAD" will be displayed in the following cases:  
\* If the disc in the extra tray is selected.  
\* If the disc is moved from the extra tray to the magazine.  
(Refer to the 50-Disc type multi-CD player owner's manual.)

### Entering the Function Menu

The Function Menu lets you operate simple functions for each source.

**Note:**

- After entering the Function Menu, if you do not perform an operation within about 30 seconds, the Function Menu is automatically canceled.

**1. Select the desired mode in the Function Menu.**



Each press changes the Mode ...

**2. Operate a mode. (e.g. Repeat Play)**



The button used and the operation it performs are indicated by the key guidance indicator.  
 ▲ button to switch the key guidance indicator ON, and the ▼ button to switch it OFF.

**3. Cancel the Function Menu.**



## 8.2 SPECIFICATIONS

### General

Power source ..... 14.4 V DC (10.8 – 15.1 V allowable)  
 Grounding system ..... Negative type  
 Max. current consumption (KEH-P525/X1M/UC) ..... 10.0 A  
 (KEH-P5700/X1M/UC, P5750/X1M/ES) 8.5 A

#### Dimensions

(DIN) .....(chassis)  
 178 (W) × 50 (H) × 153 (D) mm  
     [7 (W) × 2 (H) × 6 (D) in.]  
 (nose) ..... 188 (W) × 58 (H) × 19 (D) mm  
     [7-3/8 (W) × 2-1/4 (H) × 7/8 (D) in.]  
 (D) (chassis) .... 178 (W) × 50 (H) × 158 (D) mm  
     [7 (W) × 2 (H) × 6-1/4 (D) in.]  
 (nose) ..... 170 (W) × 48 (H) × 14 (D) mm  
     [6-3/4 (W) × 1-7/8 (H) × 1/2 (D) in.]

Weight ..... 1.2 kg (2.6 lbs)

### Amplifier

Continuous power output is 20 W (KEH-P525/X1M/UC) or  
 17 W (KEH-P5700/X1M/UC, P5750/X1M/ES) per channel  
 min. into 4 ohms, both channels driven 50 to 15,000 Hz  
 with no more than 5% THD.  
 Maximum power output ..... 40 W × 4  
 Load impedance ..... 4 Ω (4 – 8 Ω allowable)  
 Preout output level/output impedance ..... 500 mV/1 kΩ  
 Tone controls  
     (Bass)  
       (KEH-P525/X1M/UC, P5700/X1M/UC) .. ±12 dB (100 Hz)  
       (KEH-P5750/X1M/ES) ..... +8 — –16 dB (100 Hz)  
     (Treble) ..... ±12 dB (10 kHz)  
 Loudness contour ..... +10 dB (100 Hz), +7 dB (10 kHz)  
     (volume: –30 dB)

### Cassette player

Tape ..... Compact cassette tape (C-30 – C-90)  
 Tape speed .... 4.76 cm/sec.(+0.14 cm/sec.,–0.05 cm/sec.)  
 Fast forward/rewinding time .. Approx. 100 sec. for C-60  
 Wow & flutter ..... 0.09% (WRMS)  
 Frequency response ..... Metal: 30 – 19,000 Hz (±3 dB)  
 Stereo separation ..... 45 dB  
 Signal-to-noise ratio  
     ..... Metal: Dolby B NR IN: 67 dB (IHF-A network)  
     Dolby NR OUT: 61 dB (IHF-A network)

### FM tuner

Frequency range  
 (KEH-P525/X1M/UC, P5700/X1M/UC).... 87.9 – 107.9 MHz  
 (KEH-P5750/X1M/ES) ..... 87.5 – 108 MHz  
 Usable sensitivity ..... 11 dBf  
     (1.0 μV/75 Ω, mono, S/N: 30 dB)  
 50 dB quieting sensitivity .... 16 dBf (1.7 μV/75 Ω, mono)  
 Signal-to-noise ratio ..... 70 dB (IHF-A network)  
 Distortion ..... 0.3% (at 65 dBf, 1 kHz, stereo)  
 Frequency response ..... 30 – 15,000 Hz (±3 dB)  
 Stereo separation ..... 40 dB (at 65 dBf, 1 kHz)  
 Selectivity ..... 70 dB (2ACA)  
 (KEH-P525/X1M/UC, P5700/X1M/UC) ..... 70 dB (2ACA)  
 Three-signal intermodulation  
 (KEH-P525/X1M/UC, P5700/X1M/UC)  
     (desired signal level) ..... 30 dBf  
     (two undesired signal level: 100 dBf)

### AM tuner

Frequency range  
 (KEH-P525/X1M/UC, P5700/X1M/UC) .... 530 – 1,710 kHz  
 (KEH-P5750/X1M/ES) ..... 530 – 1,710 kHz(10kHz)  
     531 – 1,602 kHz(9kHz)  
 Usable sensitivity ..... 18 μV (S/N: 20 dB)  
 Selectivity  
 (KEH-P525/X1M/UC, P5700/X1M/UC)..... 50 dB (±10 kHz)  
 (KEH-P5750/X1M/ES) ..... 50 dB (±10 kHz)  
     50 dB (±9 kHz)

### Note:

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

