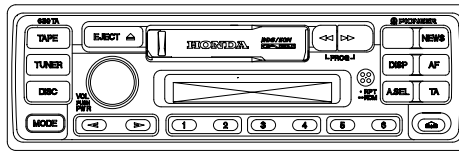


# Service Manual

**PIONEER®**  
*The Art of Entertainment*  
**HONDA**

• KEH-M6036ZH/X1B/EW



ORDER NO.  
**CRT2231**

MULTI-CD CONTROL FM/MW/LW RDS TUNER DECK AMPLIFIER

# KEH-M6036ZH

# KEH-M6236ZH

**X1B/EW**

**X1B/EW**

**NOTE:**

- See the separate manual CX-644(CRT1800) for the cassette mechanism description.
- The cassette mechanism assy employed in this model is one of 2M series

VEHICLE	DESTINATION	PRODUCED AFTER	HONDA PART No.	ID No.	PIONEER MODEL No.
ACCORD	EUROPE	September 1998	08A01-3A6-210	—	KEH-M6036ZH/X1B/EW
ACCORD	EUROPE	September 1998	08A01-3A6-510	—	KEH-M6236ZH/X1B/EW

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 PIONEER ELECTRONICS SERVICE INC. P.O.Box 1760, Long Beach, CA 90801-1760 U.S.A.  
 PIONEER ELECTRONIC [EUROPE] N.V. Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium  
 PIONEER ELECTRONICS ASIACENTRE PTE.LTD. 501 Orchard Road, #10-00, Wheelock Place, Singapore 238880

## 1. SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer.

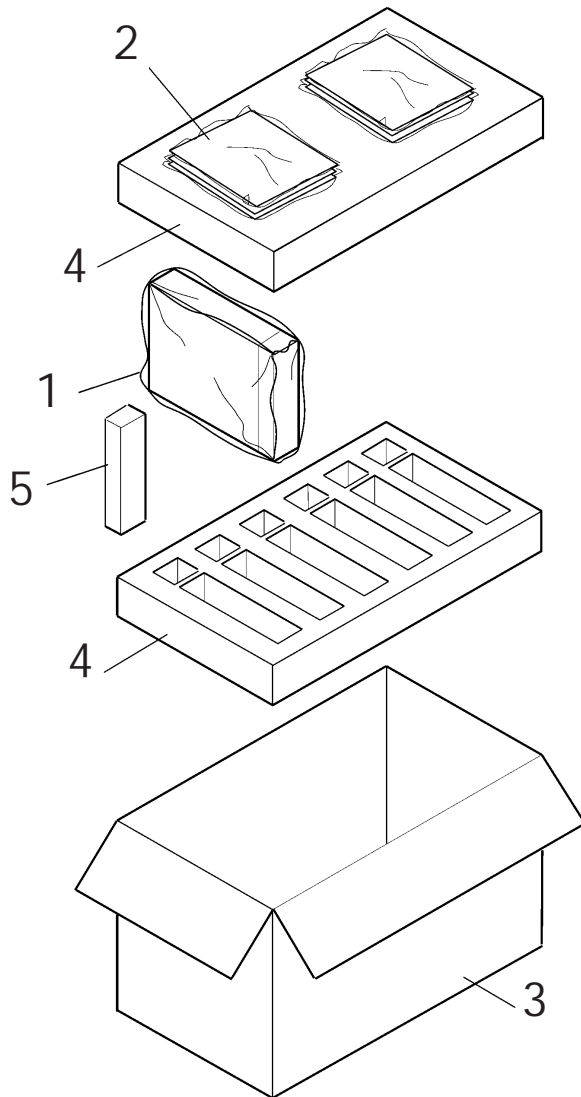
Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

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.

## 2. EXPLODED VIEWS AND PARTS LIST

### 2.1 PACKING



**NOTE:**

- Parts marked by "\*" are generally unavailable because they are not in our Master Spare Parts List.
- Screws adjacent to ▽ mark on the product are used for disassembly.

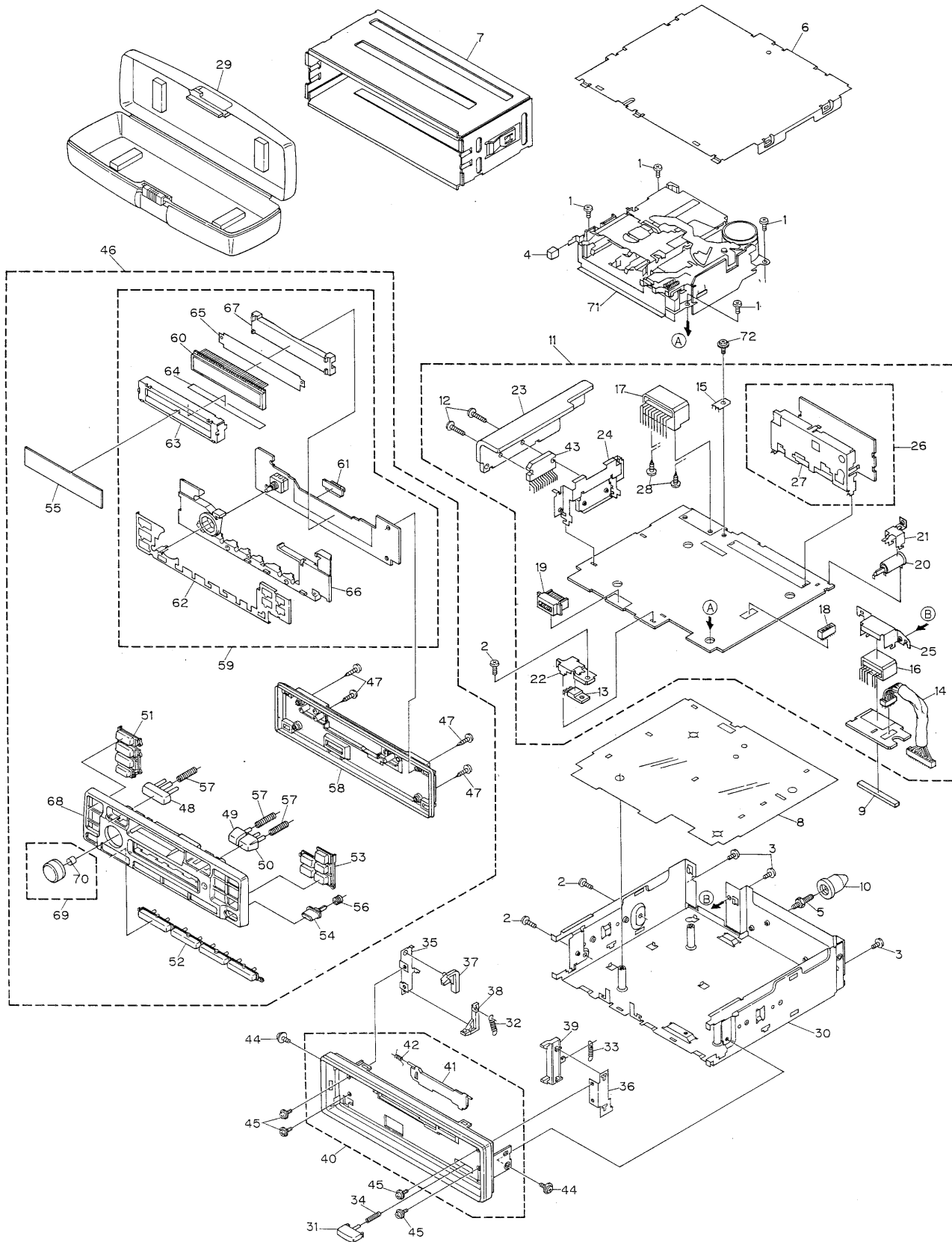
● PACKING SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Polyethylene Bag	UEG-012	4	Protector	UHP-027
2-1	Polyethylene Bag	UEG1116	5	Case Assy	CXA7080
2-2	Owner's Manual	URD2726			
2-3	Owner's Manual	URD2735			
3	Contain Box	UHL-023			

● Owner's Manual

Model	Part No.	Language
KEH-M6036ZH/X1B/EW	URD2726	English,French, German,Dutch
KEH-M6236ZH/X1B/EW	URD2735	Spanish,Portuguese, Italian,Swedish

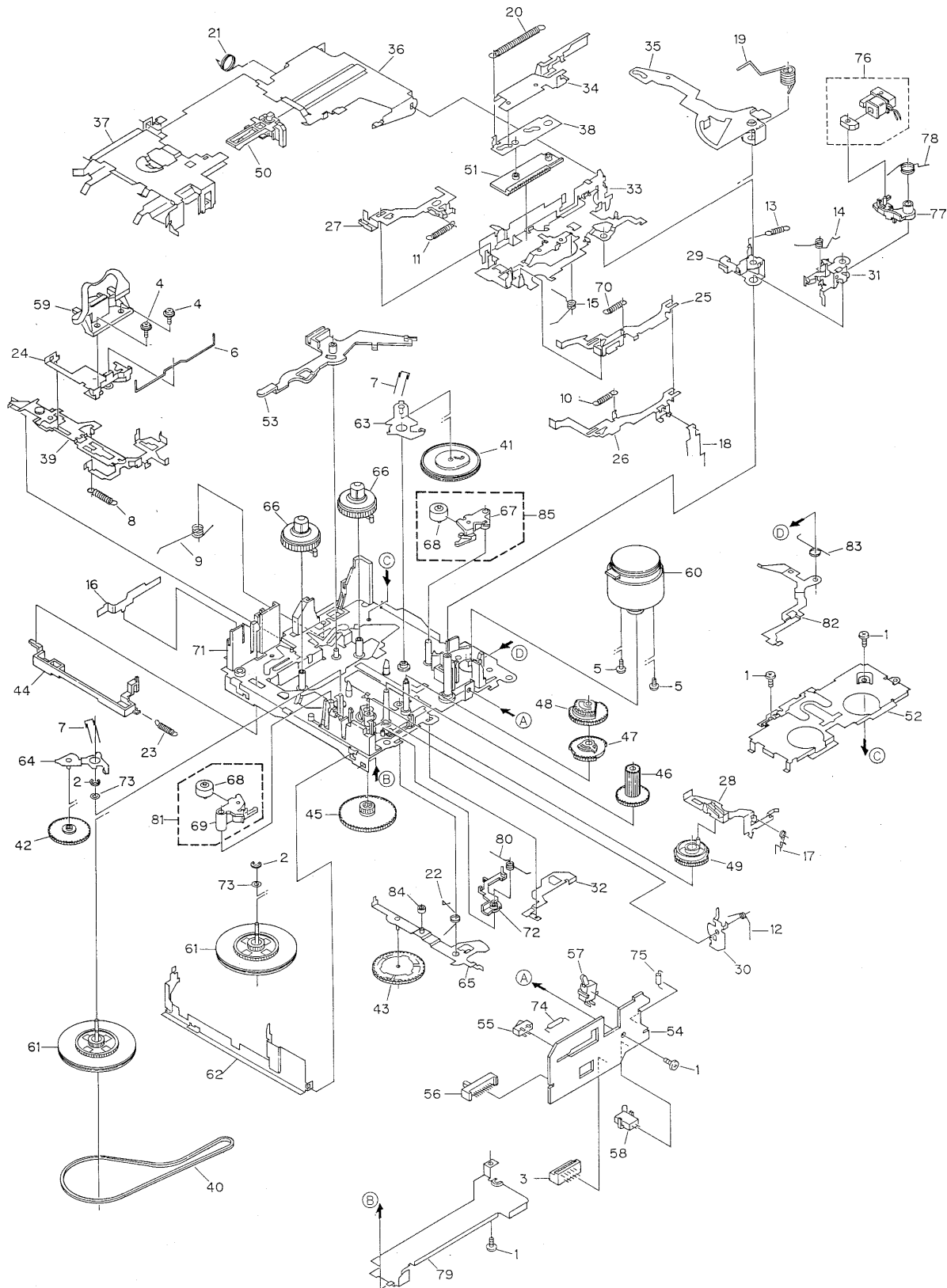
2.2 EXTERIOR



## ● EXTERIOR SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Screw	BMZ26P050FMC	41	Door	CAT1952
2	Screw	BMZ26P080FMC	42	Spring	CBH1838
3	Screw	BMZ30P050FMC	43	IC(IC551)	TDA7385
4	Button	CAC5580	44	Screw	IMS30P050FMC
5	Screw	CBA1002	45	Screw	IMS20P030FZK
6	Case	CNB2058	46	Detach Grille Assy(M6036ZH)	UXB2436
7	Holder	CNC5349		Detach Grille Assy(M6236ZH)	UXB3236
8	Insulator	CNM5713	47	Screw	BPZ20P100FZK
9	Spacer	CNM5874	48	Button(EJECT)	CAC5550
10	Bush	CNV3839	49	Button(REV)	CAC5551
11	Tuner Amp Unit	UWM5830	50	Button(FF)	CAC5552
12	Screw	BMZ26P140FMC	51	Button(TAPE,TUNER)	CAC5553
13	Transistor(Q917)	2SB942A	52	Button(PRESET)	CAC5554
14	Cord Assy(CN601)	CDE5607	53	Button(NEWS,DISP)	CAC5555
15	Terminal(CN552)	CKF1059	54	Button(DETACH)	CAC5556
16	Connector(CN603)	CKM1208	55	Plate	CAH1668
17	Plug(CN551)	CKM1283	56	Spring	CBH1942
18	Connector(CN251)	CKS3362	57	Spring	CBH2188
19	Connector(CN651)	CKS3581	58	Cover	CNS4911
20	Antenna Jack(ANT501)	CKX1006	59	Keyboard Unit(M6036ZH)	UWM5831
21	Holder	CNC4569		Keyboard Unit(M6236ZH)	UWM6168
22	Holder	CNC5013	60	LCD(LCD951)	CAW1358
23	Heat Sink	CNC6453	61	Connector(CN951)	CKS3580
24	Holder	CNC6454	62	Conductor	CNC7666
25	Holder	CNC7668	63	Holder	CNC7667
26	FM/AM Tuner Unit	CWE1416	64	Insulator	CNM4735
27	Holder	CNC6555	65	Plate	CNM5712
28	Screw	PRZ30P060FSN	66	Lighting Conductor	CNV5317
29	Case Assy	CXA7080	67	Lighting Conductor	CNV5318
30	Chassis Unit	CXB2418	68	Grille Unit(M6036ZH)	CXB2415
31	Button	CAC5180		Grille Unit(M6236ZH)	CXB3235
32	Spring	CBH1834	69	Knob Unit	CXB2417
33	Spring	CBH1835	70	Spring	CBL-108
34	Spring	CBH1996	71	Cassette Mechanism Assy	EXK3546
35	Bracket	CNC6780	72	Screw	IMS26P050FMC
36	Bracket	CNC6791			
37	Arm	CNV4692			
38	Arm	CNV4693			
39	Arm	CNV4951			
40	Panel Unit	CXB2416			

2.3 CASSETTE MECHANISM ASSY



## ● CASSETTE MECHANISM ASSY SECTION PARTS LIST

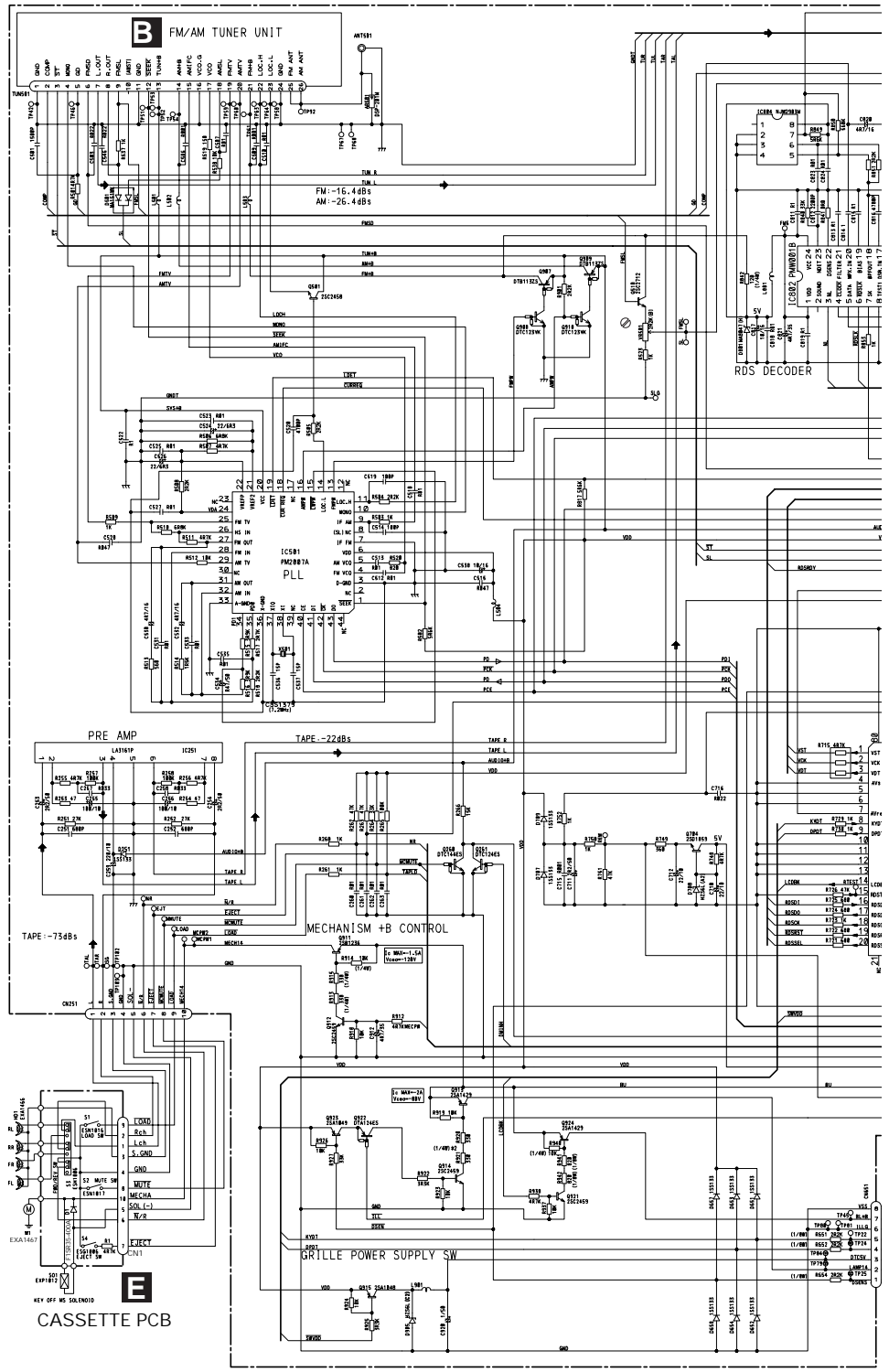
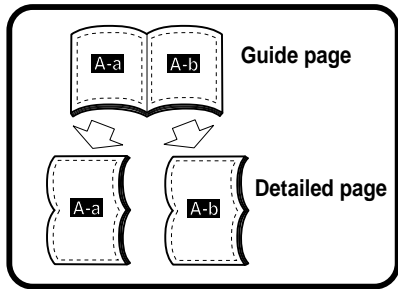
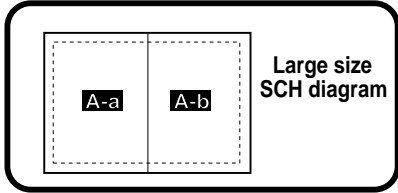
Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Screw	BSZ23P050FMC	41	Gear	ENV1504
2	Washer	CBG1003	42	Gear	ENV1470
3	Connector	CKS2829	43	Gear	ENV1517
4	Screw	EBA1038	44	Lever	ENV1472
5	Screw	EBA1037	45	Gear	ENV1510
6	Spring	EBH1554	46	Gear	ENV1475
7	Spring	EBH1555	47	Gear	ENV1511
8	Spring	EBH1556	48	Gear	ENV1513
9	Spring	EBH1557	49	Gear	ENV1502
10	Spring	EBH1591	50	Lever	ENV1480
11	Spring	EBH1559	51	Lever	ENV1487
12	Spring	EBH1593	52	Cover	ENC1468
13	Spring	EBH1561	53	Arm	ENV1489
14	Spring	EBH1562	* 54	PCB	ENP1161
15	Spring	EBH1563	55	Switch	ESG1006
16	Lever	ENC1463	56	Switch	ESH1006
17	Spring	EBH1565	57	Switch	ESN1016
18	Spring	EBH1566	58	Switch	ESN1017
19	Spring	EBH1567	59	Head Assy	EXA1466
20	Spring	EBH1568	60	Motor Unit	EXA1467
21	Spring	EBH1569	61	Flywheel Unit	EXA1468
22	Spring	EBH1597	62	Arm	ENC1464
23	Spring	EBH1579	63	Arm Unit	EXA1447
24	Head Base	ENC1475	64	Arm Unit	EXA1448
25	Lever	ENC1460	65	Arm Unit	EXA1520
26	Lever	ENC1461	66	Reel Unit	EXA1450
27	Lever	ENC1462	67	Pinch Holder	ENV1466
28	Lever	ENC1432	68	Pinch Roller	ENV1518
29	Arm	ENC1433	69	Pinch Holder	ENV1467
30	Arm	ENC1434	70	Spring	EBH1592
31	Arm	ENC1480	71	Chassis Unit	EXA1498
32	Arm	ENC1476	72	Arm	ENV1496
33	Bracket	ENC1477	73	Washer	HBF-179
34	Lever	ENC1483	74	Resistor	RD1/4HM472J
35	Arm	ENC1439	75	Diode	F1SR35-400A
36	Frame	ENC1440	76	Solenoid	EXP1012
37	Holder	ENC1441	77	Arm	ENV1497
38	Lever	ENC1446	78	Spring	EBH1582
39	Lever Unit	EXA1519	79	Cover	ENC1452
40	Belt	ENT1027	80	Spring	EBH1586
			81	Pinch Holder Unit	EXA1516
			82	Arm	ENC1459
			83	Spring	EBH1588
			84	Roller	ELA1381
			85	Pinch Holder Unit	EXA1515

### 3. SCHEMATIC DIAGRAM

#### 3.1 OVERALL CONNECTION DIAGRAM(GUIDE PAGE)

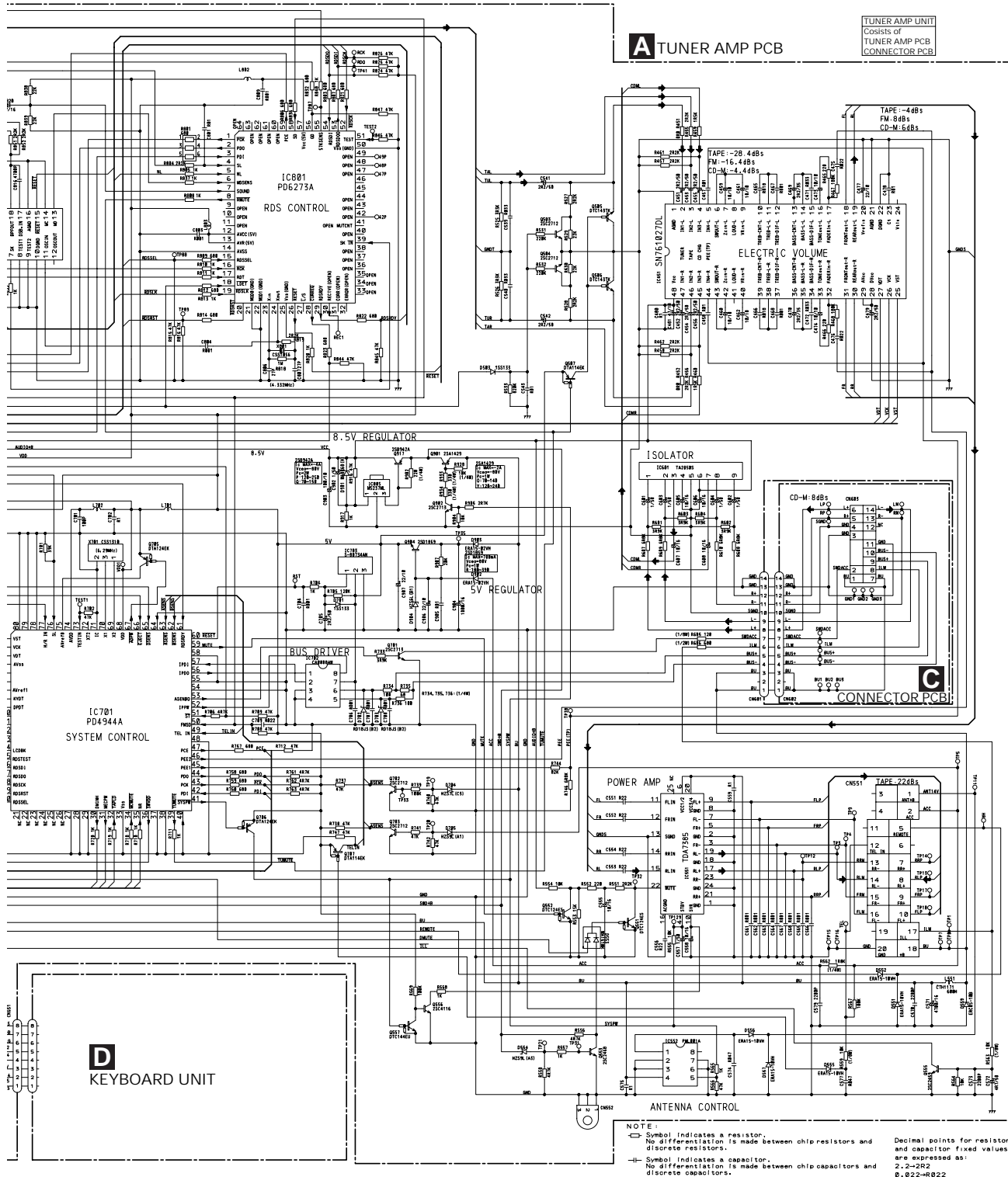
Note: When ordering service parts, be sure to refer to "EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST".

**A-a**



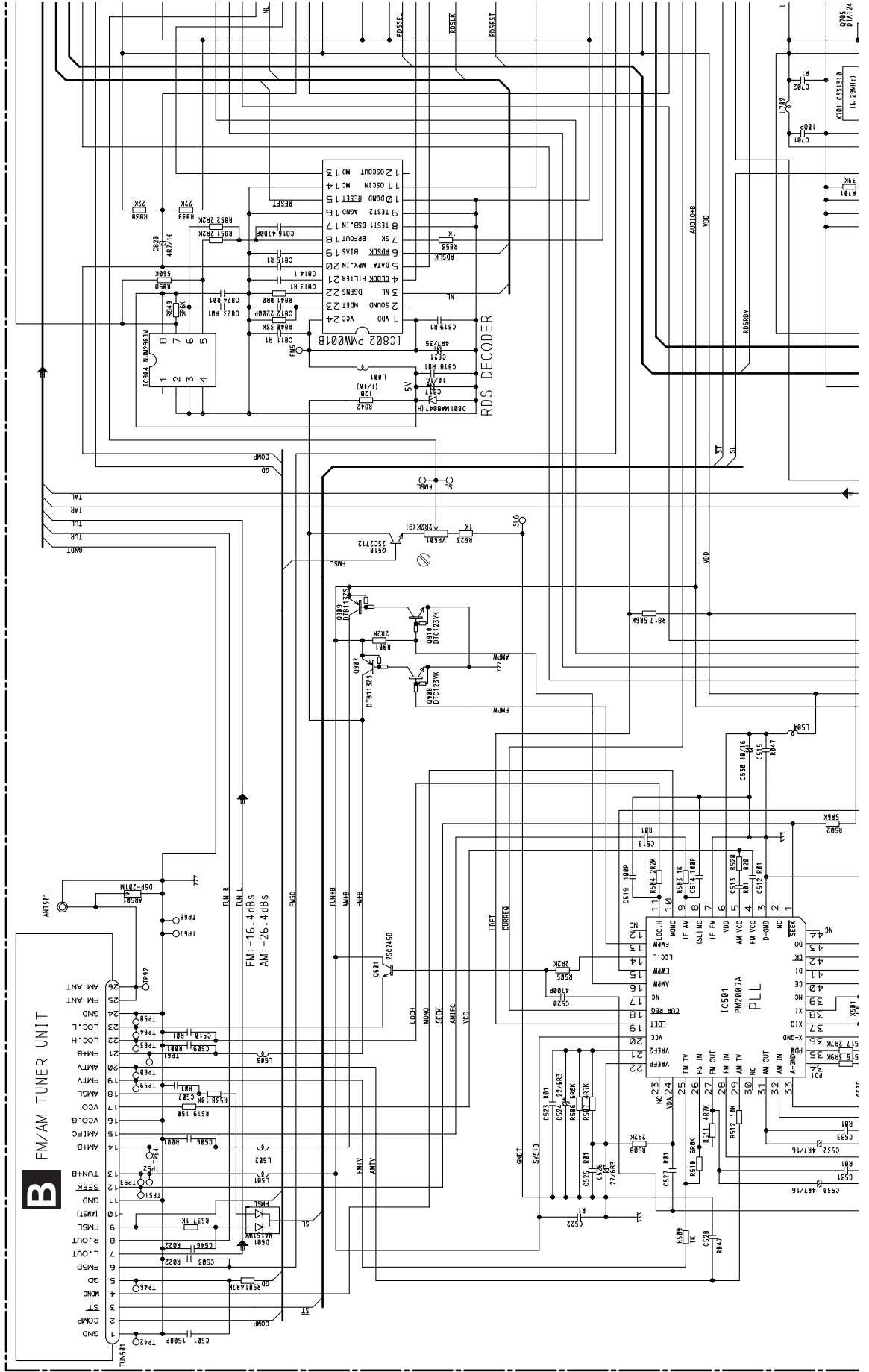


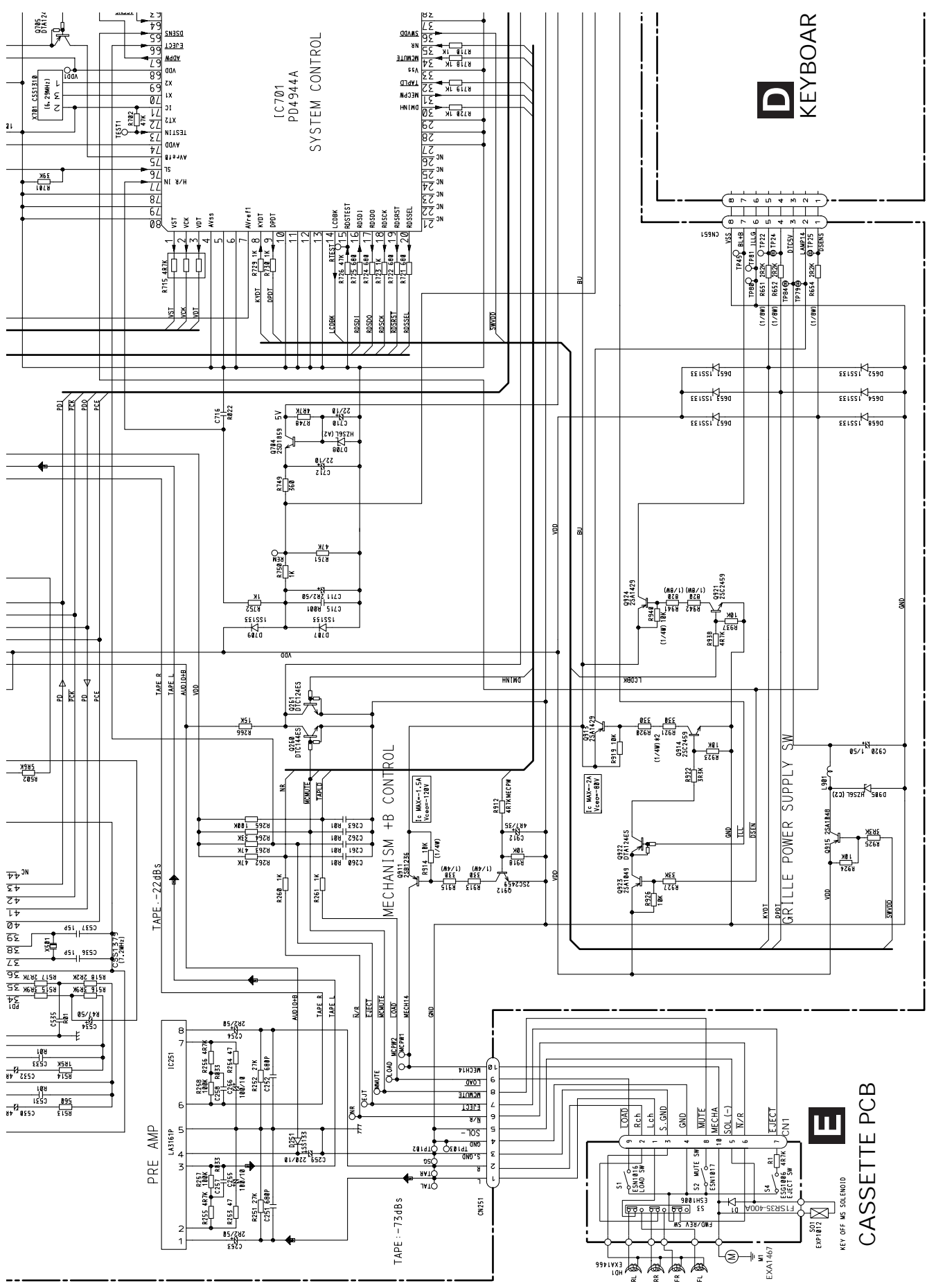
# A-b



# AC

A-a A-b





A-a A-b

A

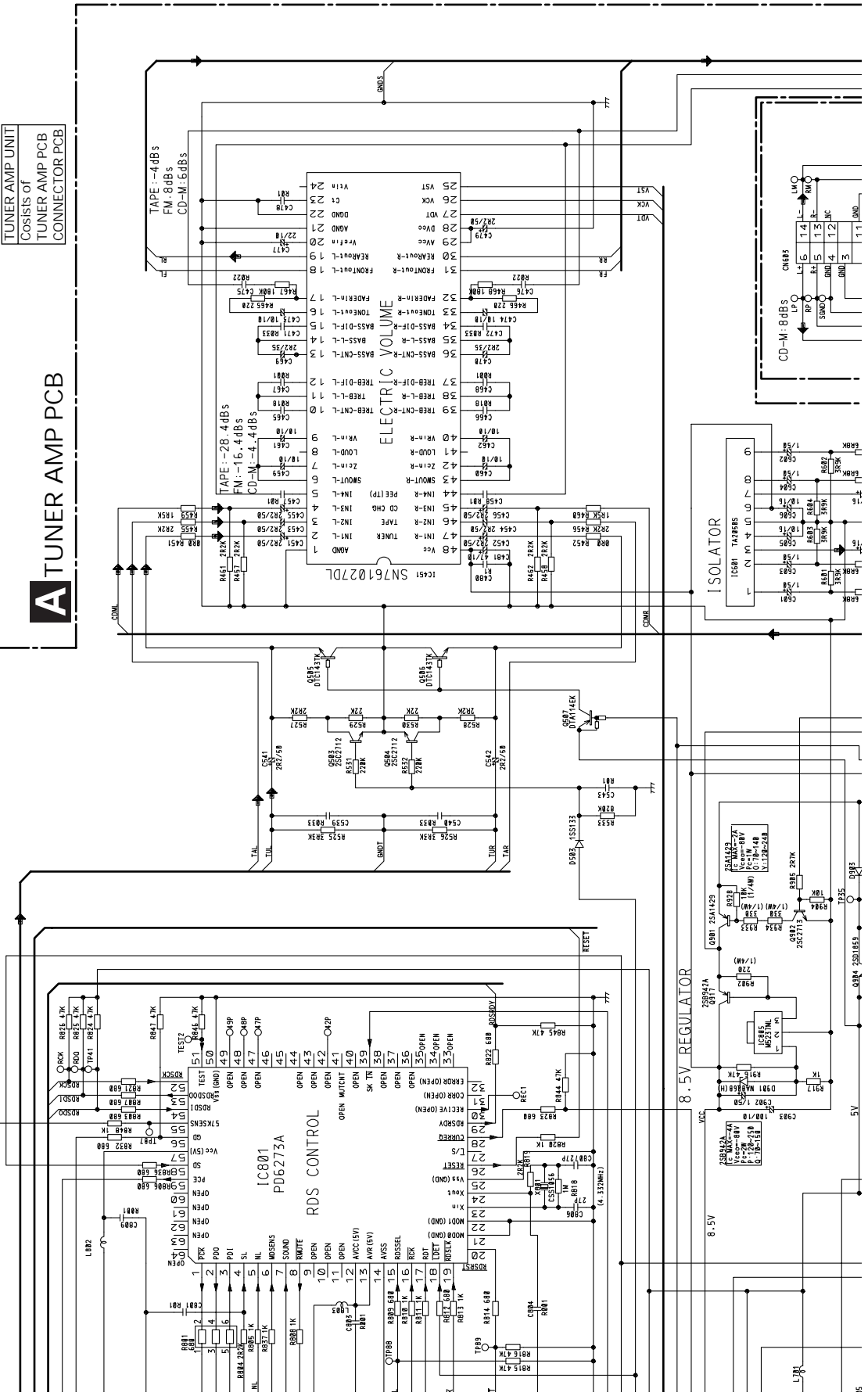
B

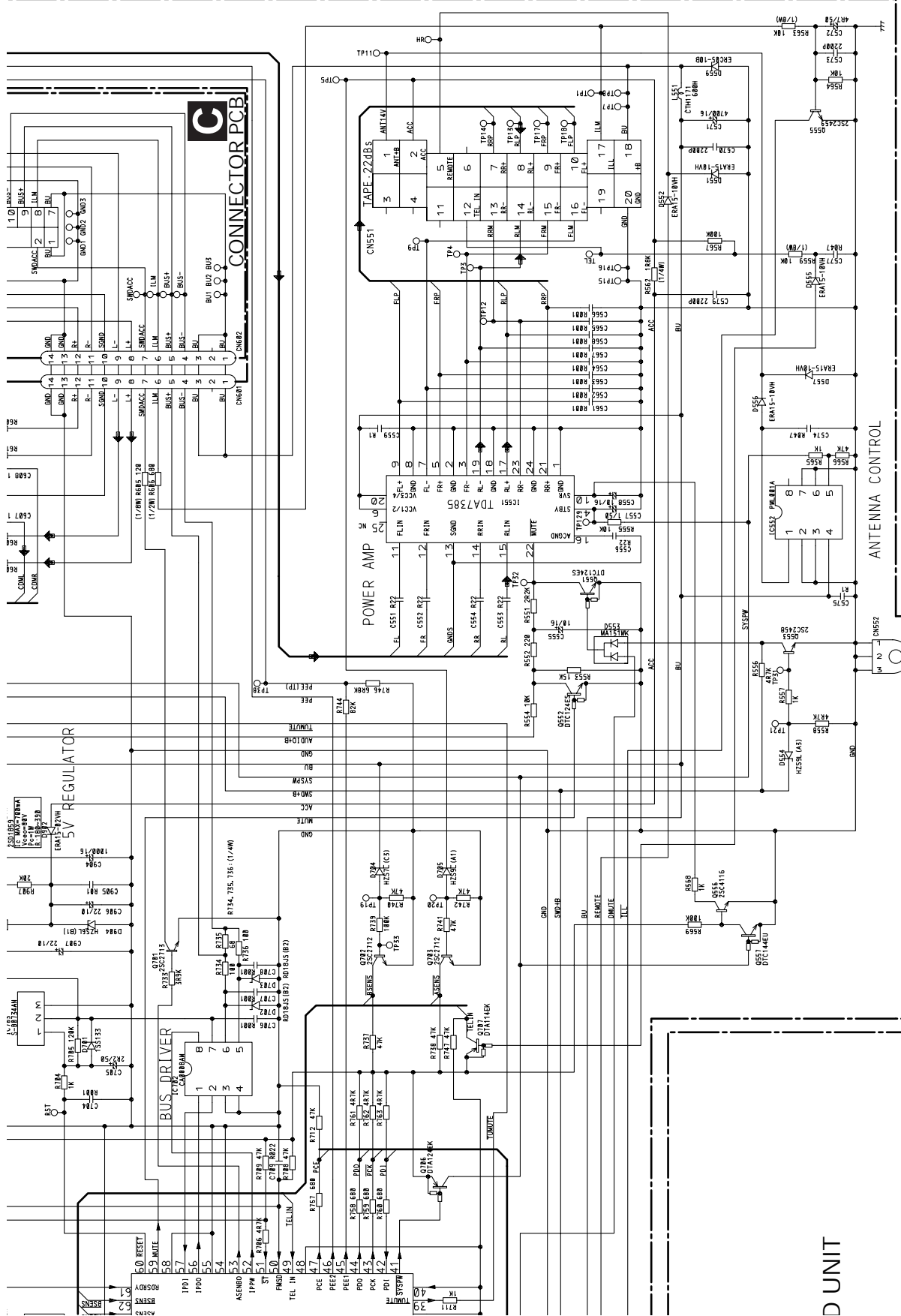
C

D

A-a E

A-a A-b





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

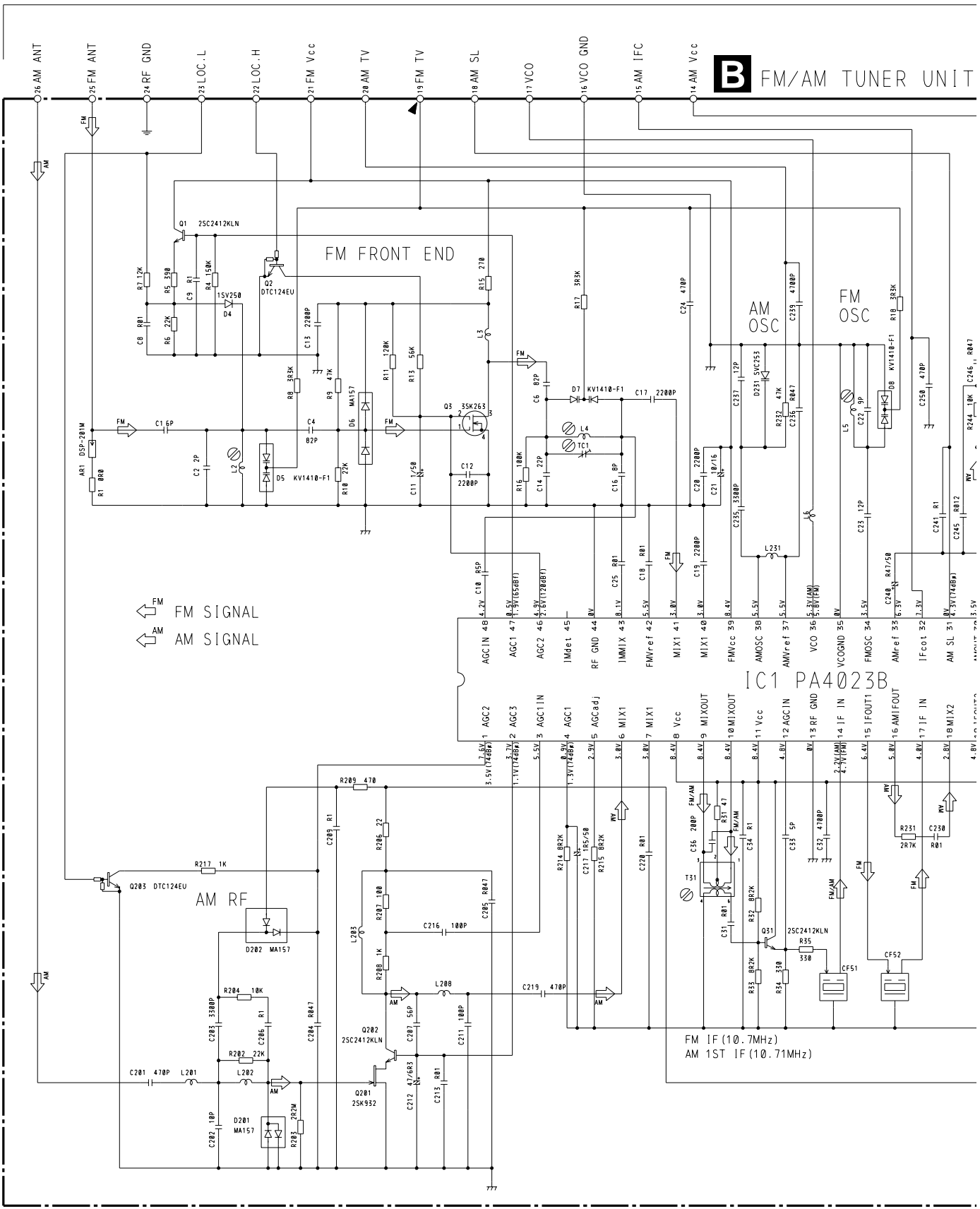
A-a A-b

A-b C

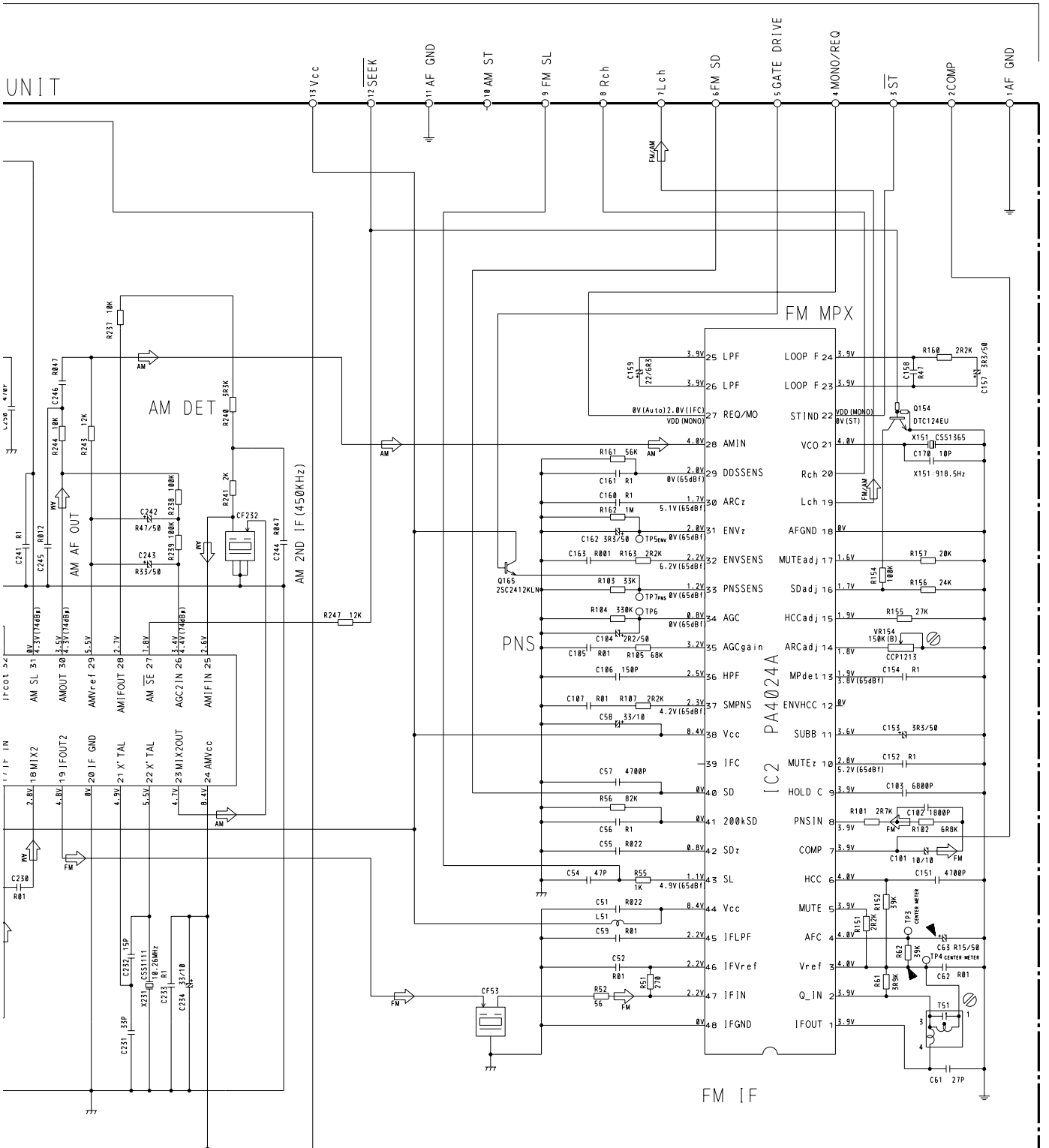
3.2 FM/AM TUNER UNIT

A

B FM/AM TUNER UNIT

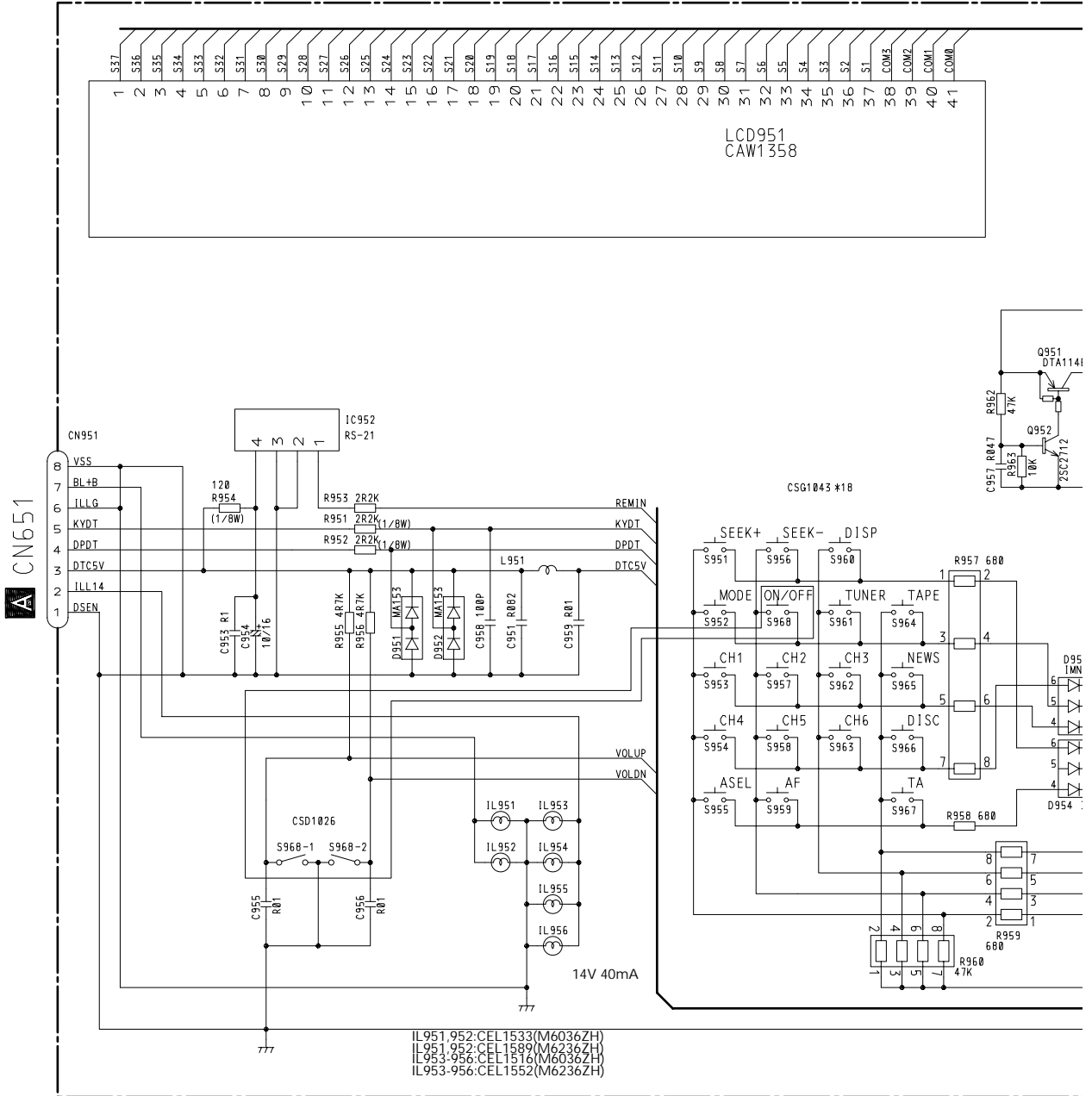


B



3.4 KEYBOARD UNIT

**D** KEYBOARD UNIT



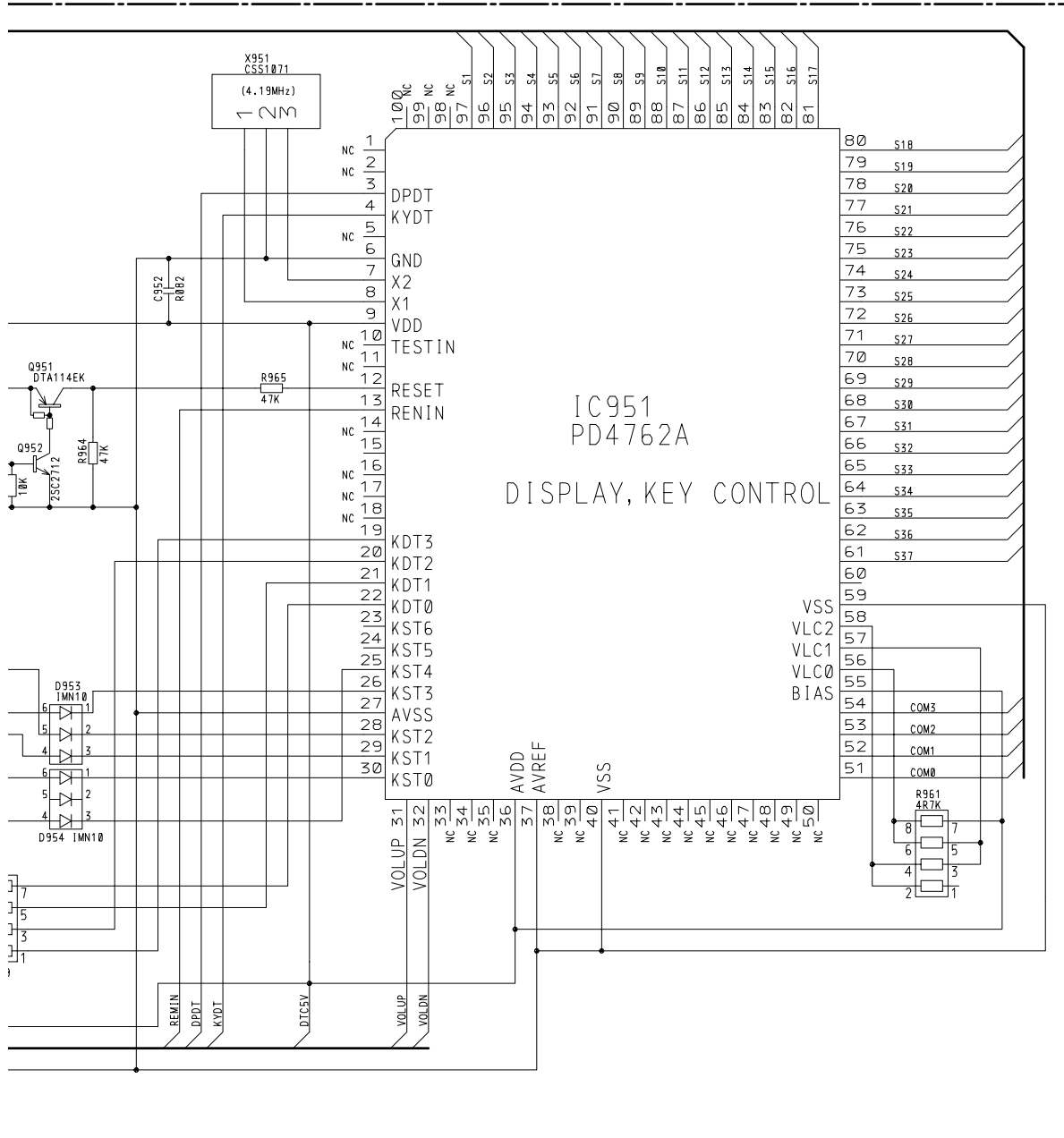


A

B

C

D



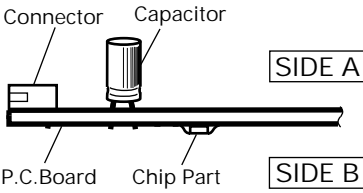
# 4. PCB CONNECTION DIAGRAM

## 4.1 TUNER AMP PCB

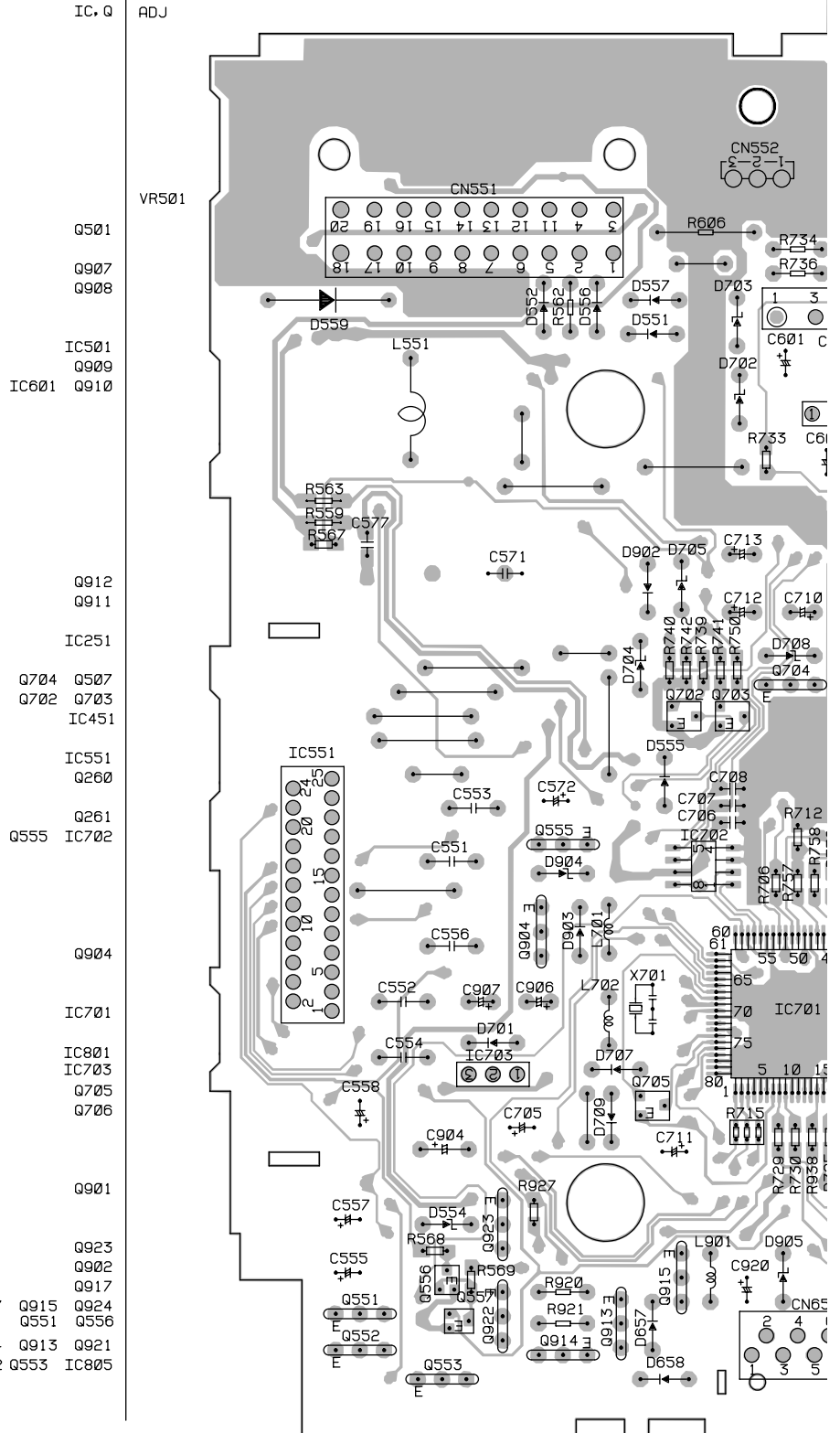
### NOTE FOR PCB DIAGRAMS

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.

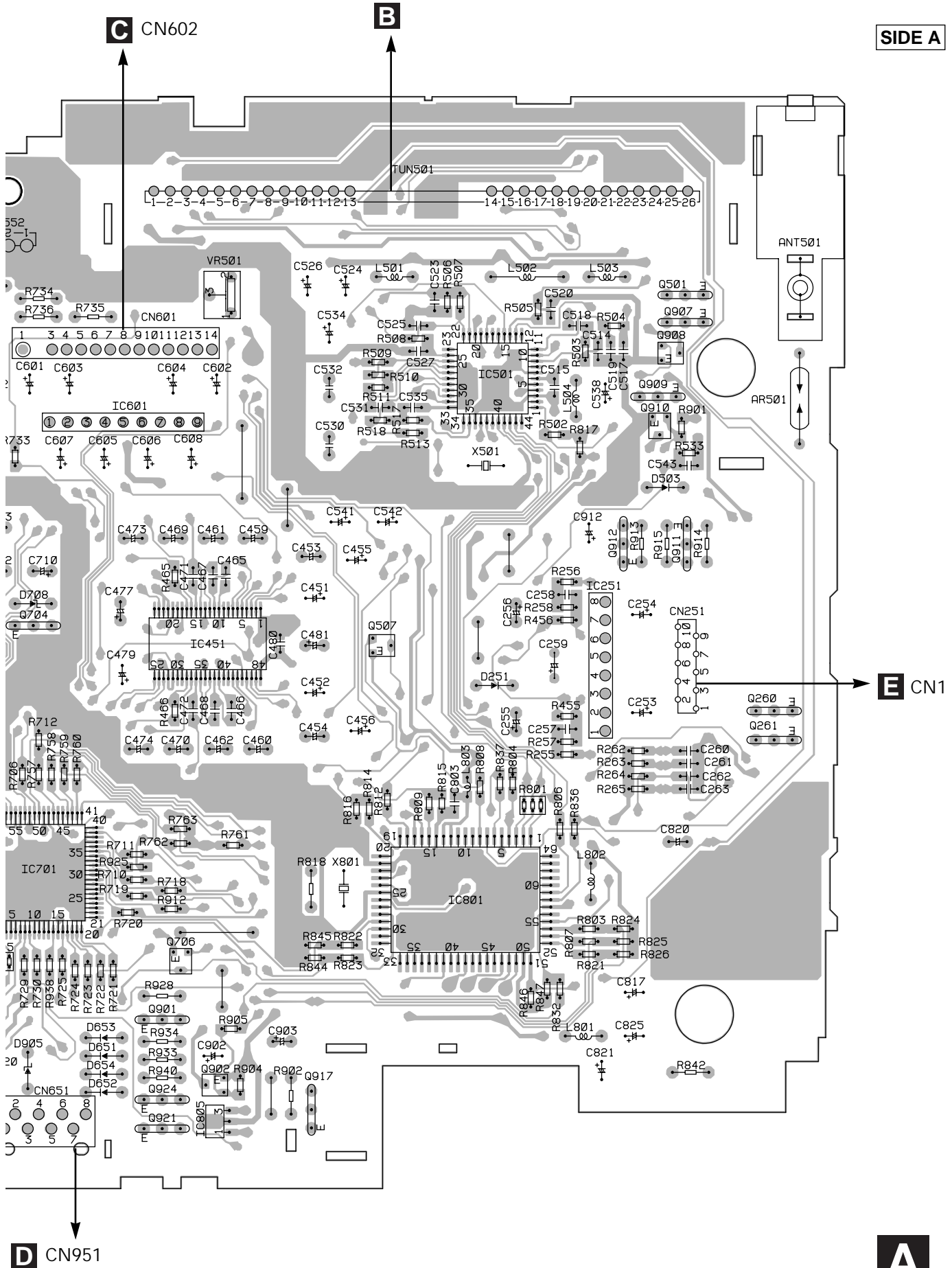
2. Viewpoint of PCB diagrams



### A TUNER AMP PCB



SIDE A



A

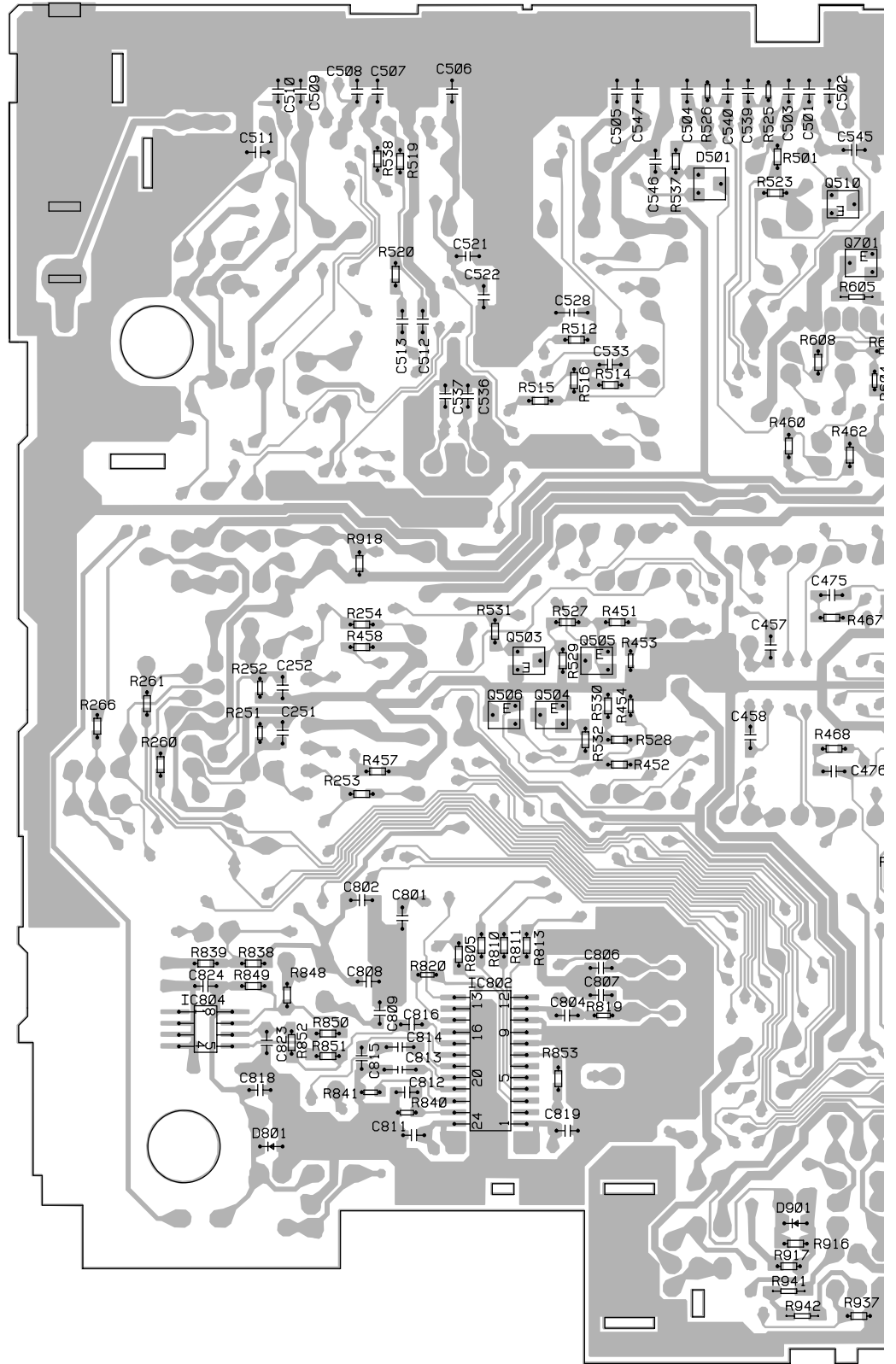
B

C

D

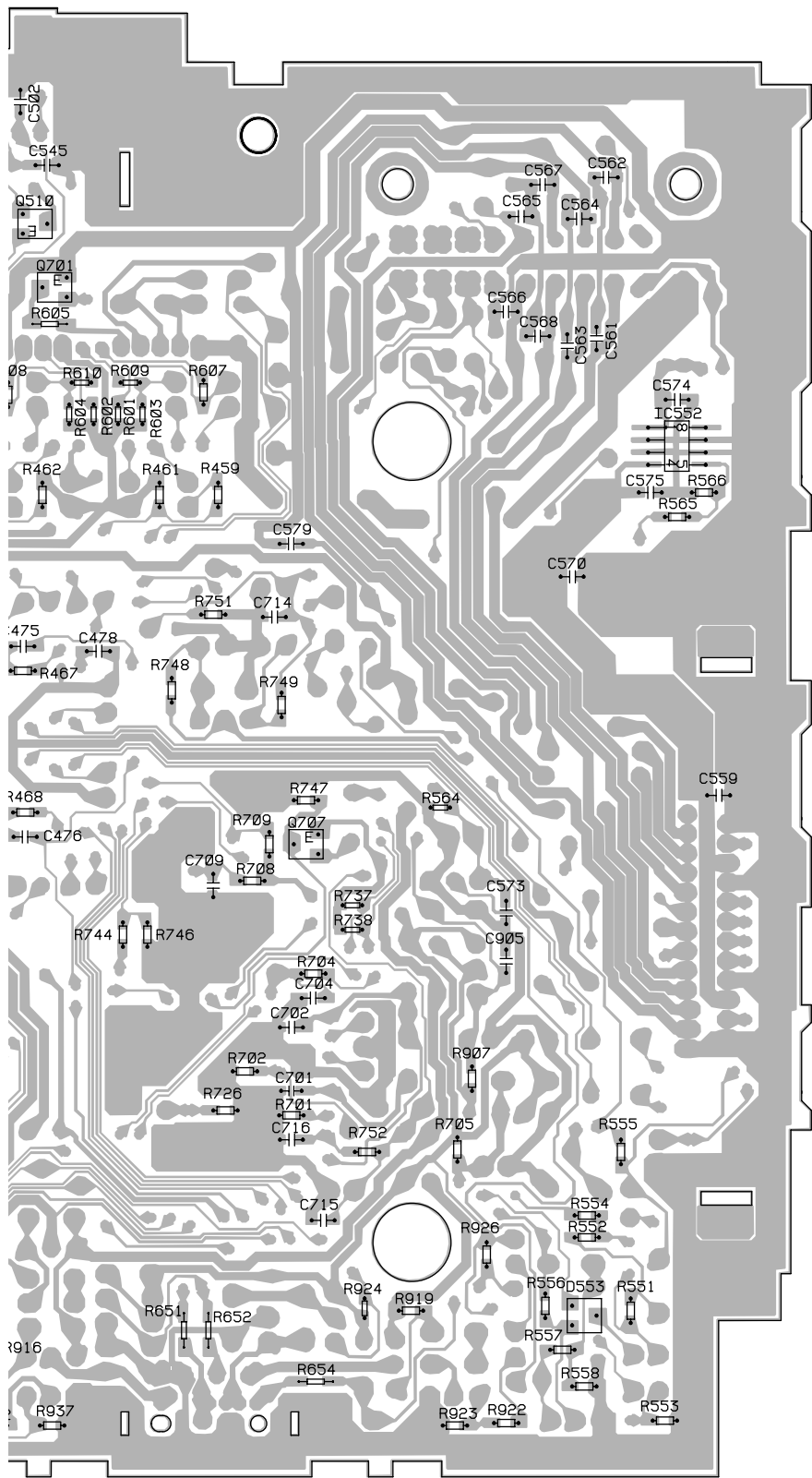
A

**A** TUNER AMP PCB



SIDE B

A



IC. 0

Q510

Q701

IC552

Q503 Q505

Q506 Q504

Q707

IC804

IC802

B

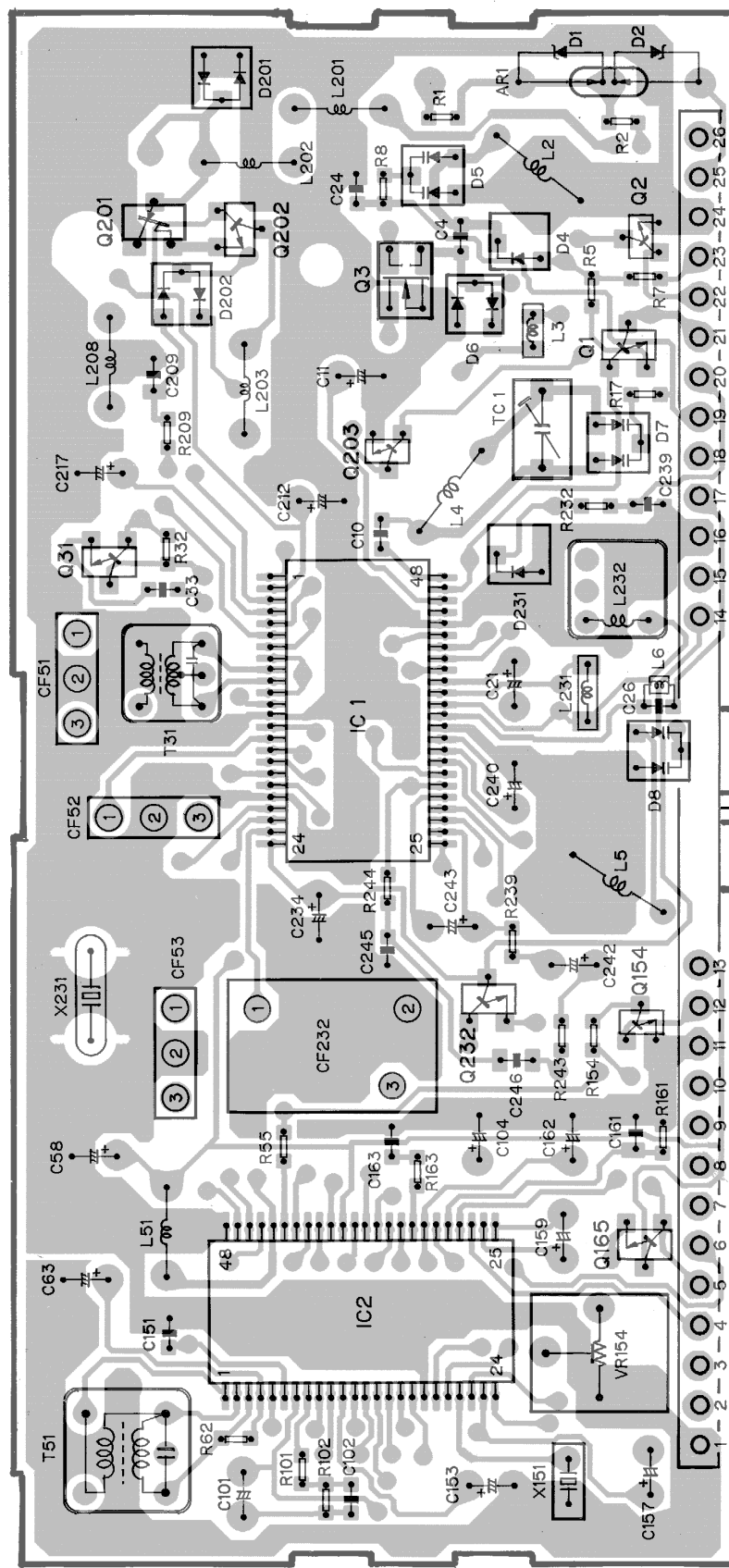
C

D

4.2 FM/AM TUNER UNIT

SIDE A

FMI/AM TUNER UNIT

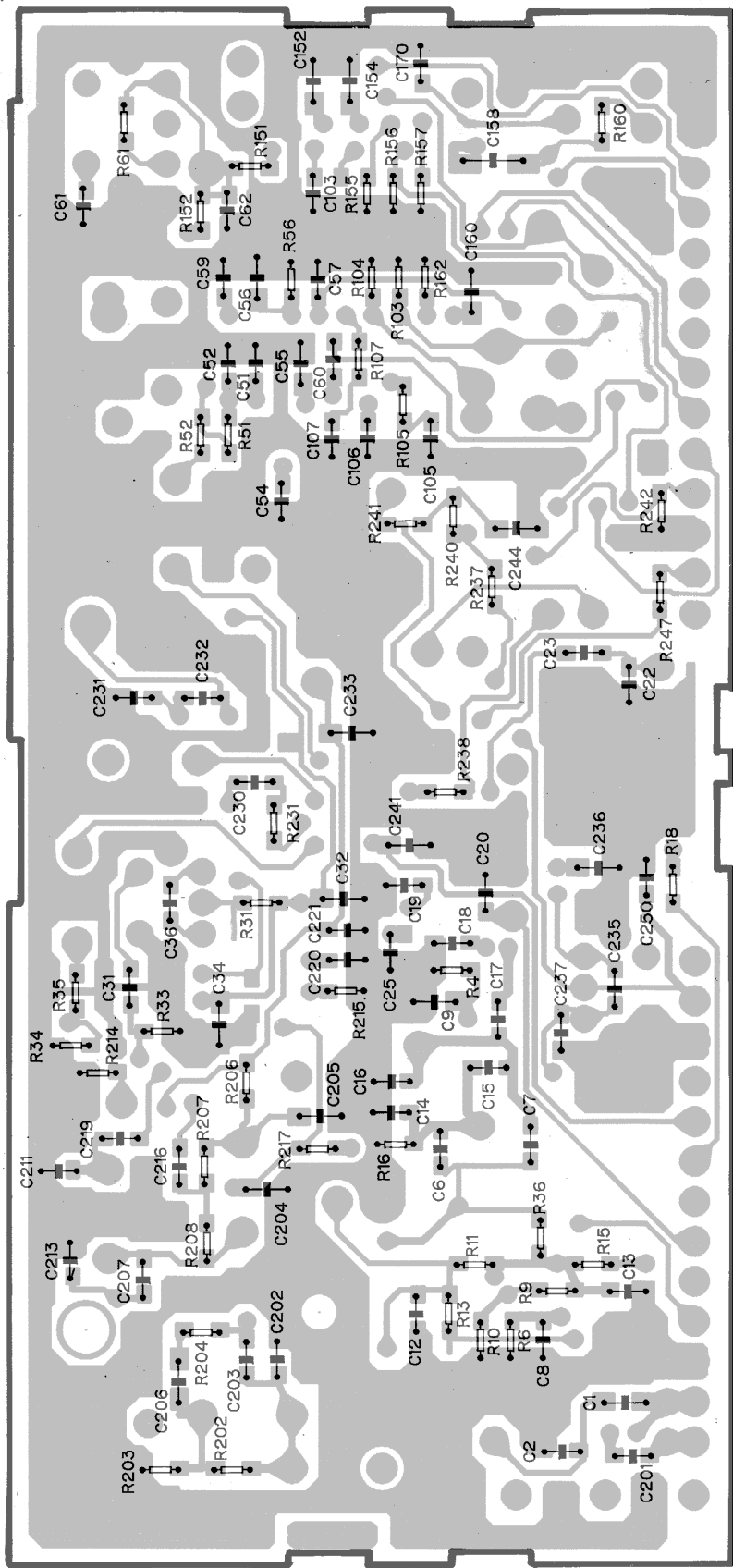


A

B

SIDE B

FMI/AM TUNER UNIT

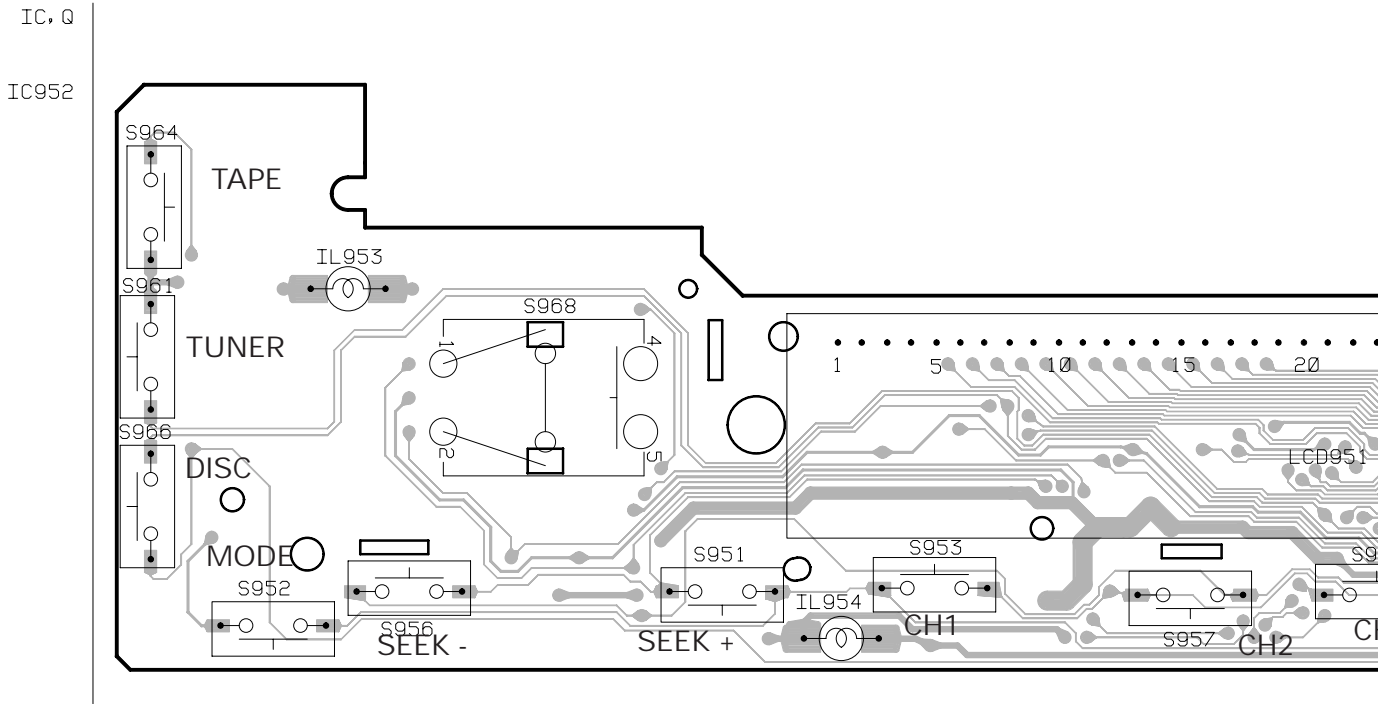


B

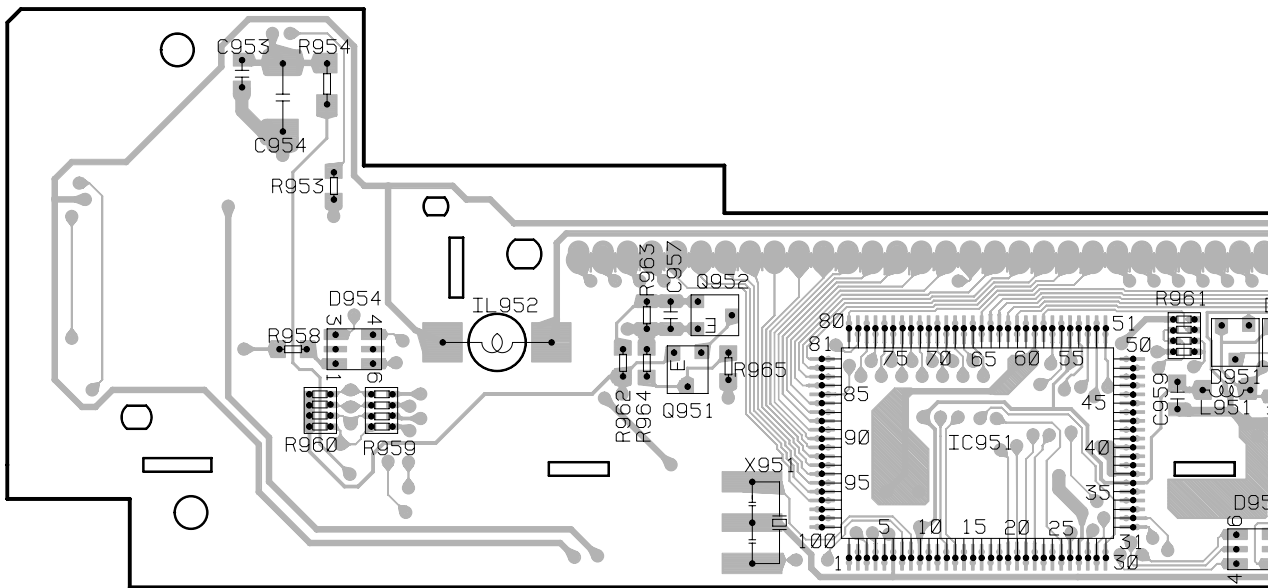
B

### 4.3 KEYBOARD UNIT

**D** KEYBOARD UNIT



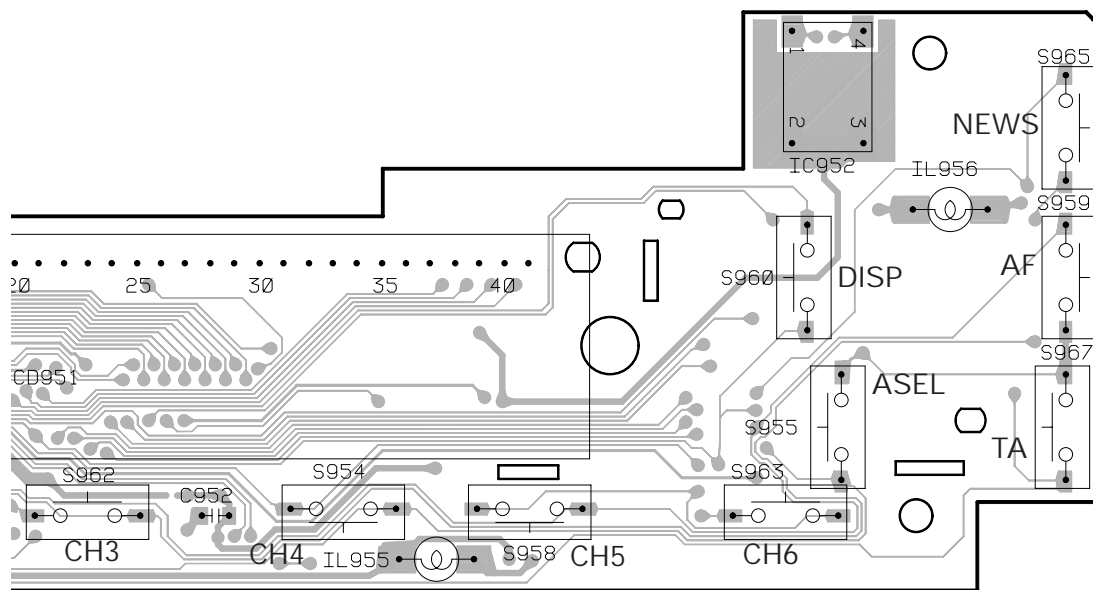
**D** KEYBOARD UNIT





SIDE A

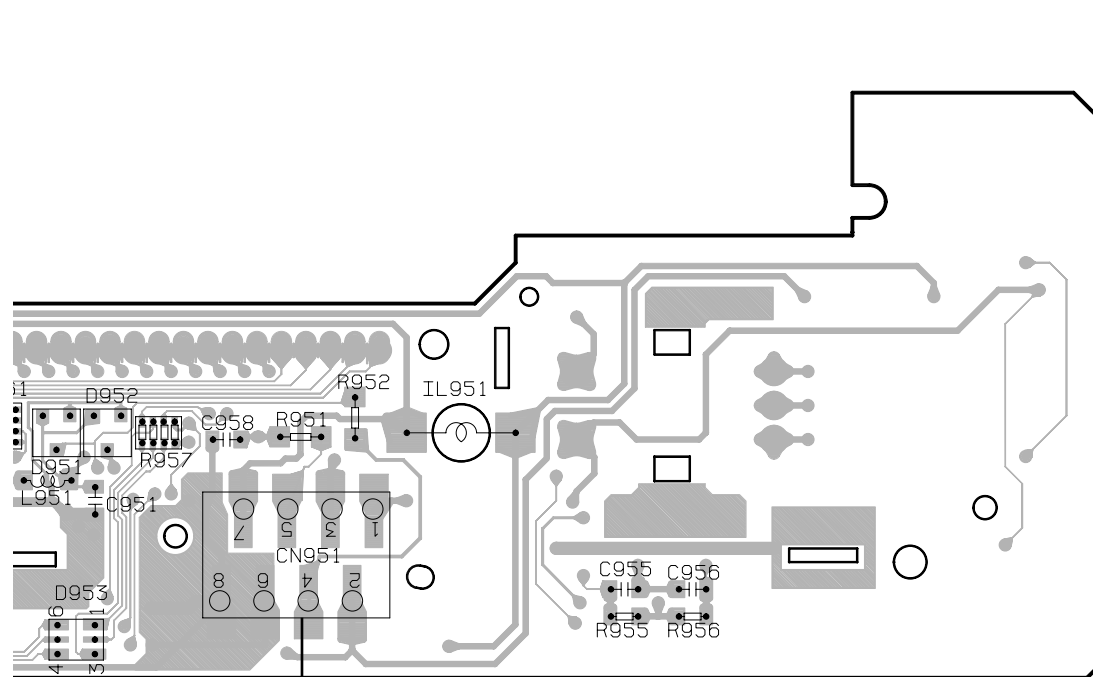
A



B

SIDE B

C



IC, Q

Q952

Q951  
IC951

D

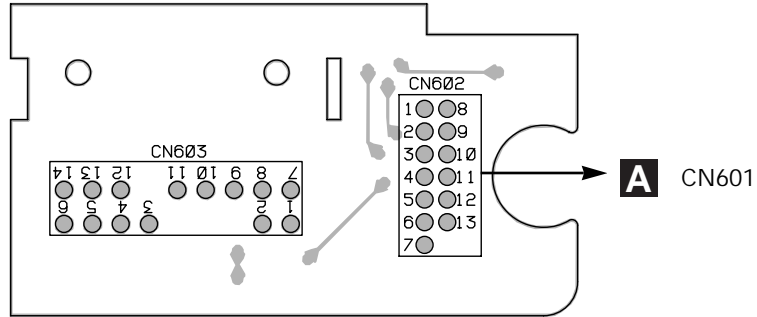
**A** CN651

**D**

### 4.4 CONNECTOR PCB

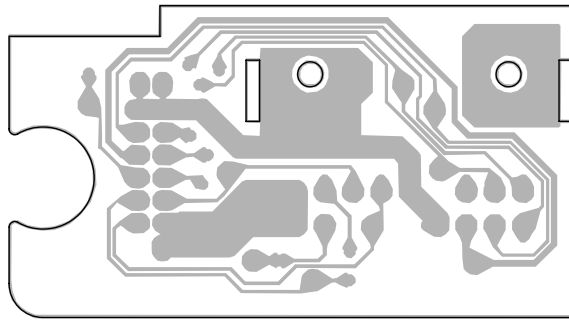
**C** CONNECTOR PCB

**SIDE A**



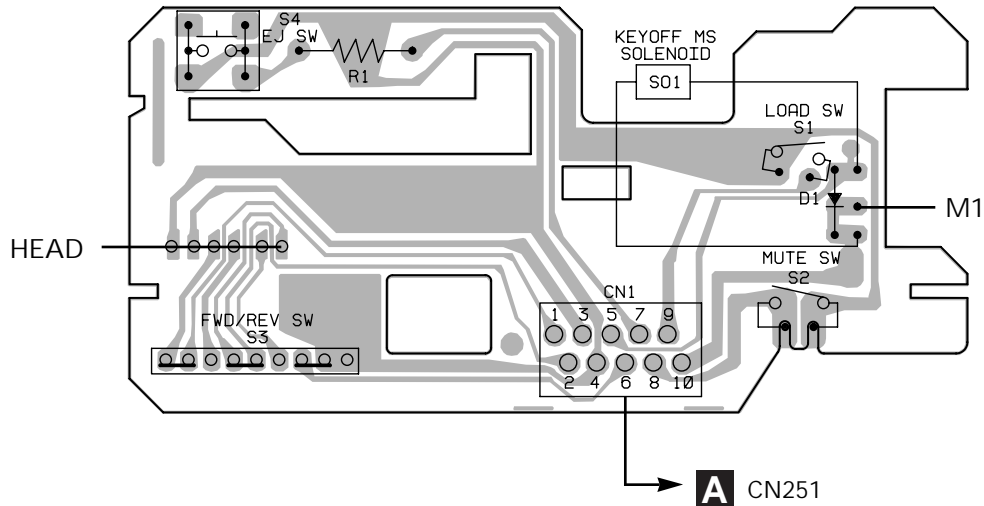
**C** CONNECTOR PCB

**SIDE B**



### 4.5 CASSETTE PCB

**E** CONNECTOR PCB



## 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/OS0000J,RS1/OOS000J

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

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

====Circuit Symbol & No.===Part Name	Part No.	====Circuit Symbol & No.===Part Name	Part No.
<b>B</b> Unit Number : CWE1416		R 8	RS1/16S332J
Unit Name : FM/AM Tuner Unit		R 9	RS1/16S473J
MISCELLANEOUS		R 10	RS1/16S223J
IC 1 IC	PA4023B	R 11	RS1/16S124J
IC 2 IC	PA4024A	R 13	RS1/16S563J
Q 1 Transistor	2SC2412K	R 15	RS1/16S271J
Q 2 Transistor	DTC124EU	R 16	RS1/16S104J
Q 3 FET	3SK263	R 17	RS1/16S332J
		R 18	RS1/16S332J
		R 31	RS1/16S470J
Q 31 Transistor	2SC2412K		
Q 154 Transistor	DTC124EU	R 32	RS1/16S822J
Q 165 Transistor	2SC2412K	R 33	RS1/16S822J
Q 201 FET	2SK932	R 34	RS1/16S331J
Q 202 Transistor	2SC2412K	R 35	RS1/16S331J
		R 51	RS1/16S271J
Q 203 Transistor	DTC124EU		
D 4 Diode	1SV250	R 52	RS1/16S560J
D 5 Diode	KV1410-F1	R 55	RS1/16S102J
D 7 Diode	KV1410-F1	R 56	RS1/16S823J
D 8 Diode	KV1410-F1	R 61	RS1/16S392J
		R 62	RS1/16S393J
D 201 Diode	MA157		
D 202 Diode	MA157	R 101	RS1/16S272J
D 231 Diode	SVC253	R 102	RS1/16S682J
L 2 Coil	CTC1108	R 103	RS1/16S333J
L 3 Inductor	LCTB2R2K2125	R 104	RS1/16S334J
		R 105	RS1/16S683J
L 4 Coil	CTC1108		
L 5 Coil	CTC1107	R 107	RS1/16S222J
L 6 Inductor	LCTBR15K1608	R 151	RS1/16S222J
L 51 Ferri-Inductor	LAU150K	R 152	RS1/16S393J
L 201 Ferri-Inductor	LAU4R7K	R 154	RS1/16S104J
		R 155	RS1/16S273J
L 202 Ferri-Inductor	LAU330K		
L 203 Inductor	CTF1287	R 156	RS1/16S243J
L 208 Inductor	LAU121K	R 157	RS1/16S203J
L 231 Inductor	LCTA3R3J3225	R 160	RS1/16S222J
T 31 Coil	CTE1116	R 161	RS1/16S563J
		R 162	RS1/16S105J
T 51 Coil	CTC1136		
TC 1	CCL1046	R 163	RS1/16S222J
CF 51 Ceramic Filter	CTF1292	R 202	RS1/16S223J
CF 52 Ceramic Filter	CTF1292	R 203	RS1/16S225J
CF 53 Ceramic Filter	CTF1292	R 204	RS1/16S103J
		R 206	RS1/16S220J
CF 232 Ceramic Filter	CTF1348		
X 151 918.5Hz	CSS1365	R 207	RS1/16S101J
X 231 Crystal Resonator 10.26MHz	CSS1111	R 208	RS1/16S102J
VR 154 Semi-fixed 150kΩ(B)	CCP1213	R 209	RS1/16S471J
AR 1	DSP-201M	R 214	RS1/16S822J
		R 215	RS1/16S822J
RESISTORS		R 217	RS1/16S102J
		R 231	RS1/16S272J
R 1	RS1/16S0R0J	R 232	RS1/16S473J
R 4	RS1/16S154J	R 237	RS1/16S103J
R 5	RS1/16S391J	R 238	RS1/16S104J
R 6	RS1/16S223J		
R 7	RS1/16S123J	R 239	RS1/16S104J
		R 240	RS1/16S332J
		R 241	RS1/16S202J
		R 243	RS1/16S123J
		R 244	RS1/16S103J

# KEH-M6036ZH,M6236ZH

====Circuit Symbol & No.===Part Name	Part No.	====Circuit Symbol & No.===Part Name	Part No.				
R 247	RS1/16S123J	C 212	CEJA470M6R3				
CAPACITORS		C 213	CKSRYB103K25				
C 1	CCSQCH6R0D50	C 216	CCSRCH101J50				
C 2	CCSRCK2R0C50	C 217	CEJA1R5M50				
C 4	CCSRCH820J50	C 219	CCSRCH471J50				
C 6	CCSRCH820J50	C 220	CKSRYB103K25				
C 8	CKSRYB103K25	C 230	CKSRYB103K25				
C 9	CKSQYB104K16	C 231	CCSRCH330J50				
C 10	CCSRCKR50C50	C 232	CCSRCH150J50				
C 11	CEJA1R0M50	C 233	CKSQYB104K16				
C 12	CCSRCH100D50	C 234	CEJA330M10				
C 13	CKSRYB222K50	C 235	CKSRYB332K50				
C 14	CCSRCH220J50	C 236	CKSQYB473K16				
C 16	CCSRCH8R0D50	C 237	CCSRCH120J50				
C 17	CKSRYB222K50	C 239	CKSRYB472K50				
C 18	CKSRYB103K25	C 240	CEJAR47M50				
C 19	CKSRYB222K50	C 241	CKSQYB104K16				
C 20	CKSRYB222K50	C 242	CEJAR47M50				
C 21	CEJA100M16	C 243	CEJAR33M50				
C 22	CCSRTH9R0D50	C 244	CKSQYB473K16				
C 23	CCSRTH120J50	C 245	CKSRYB123K25				
C 24	CCSRCH471J50	C 246	CKSQYB473K16				
C 25	CKSRYB103K25	C 250	CCSRCH471J50				
C 31	CKSRYB103K25	<table border="1"> <tr> <td>Tuner Amp Unit</td> </tr> <tr> <td>Consists of</td> </tr> <tr> <td>Tuner Amp PCB</td> </tr> <tr> <td>Connector PCB</td> </tr> </table>		Tuner Amp Unit	Consists of	Tuner Amp PCB	Connector PCB
Tuner Amp Unit							
Consists of							
Tuner Amp PCB							
Connector PCB							
C 32	CKSQYB472K50	 Unit Number : UWM5830 Unit Name : Tuner Amp Unit					
C 33	CCSRCH5R0C50						
C 34	CKSQYB104K16	MISCELLANEOUS					
C 36	CCSRRH201J50	IC 251	IC	LA3161P			
C 51	CKSRYB223K25	IC 451	IC	SN761027DL			
C 52	CKSRYB103K25	IC 501	IC	PM2007A			
C 54	CCSRCH470J50	IC 551	IC	TDA7385			
C 55	CKSQYB223K25	IC 552	IC	PML001A			
C 56	CKSQYB104K16	IC 601	IC	TA2050S			
C 57	CKSRYB472K50	IC 701	IC	PD4944A			
C 58	CEJA330M10	IC 702	IC	CA0008AM			
C 59	CKSRYB103K25	IC 703	IC	S-80734AN			
C 61	CCSRCH270J50	IC 801	IC	PD6273A			
C 62	CKSRYB103K25	IC 802	IC	PMW001B			
C 63	CEJAR15M50	IC 804	IC	NJM2903M			
C 101	CEJANP100M10	IC 805	IC	M5237ML			
C 102	CKSRYB182K50	Q 260	Transistor	DTC144ES			
C 103	CKSRYB682K25	Q 261	Transistor	DTC124ES			
C 104	CEJA2R2M50	Q 501	Transistor	2SC2458			
C 105	CKSRYB103K25	Q 503	Transistor	2SC2712			
C 106	CCSRCH151J50	Q 504	Transistor	2SC2712			
C 107	CKSRYB103K25	Q 505	Transistor	DTC143TK			
C 151	CKSRYB472K50	Q 506	Transistor	DTC143TK			
C 152	CKSQYB104K16	Q 507	Transistor	DTA114EK			
C 153	CEJA3R3M50	Q 510	Transistor	2SC2712			
C 154	CKSQYB104K16	Q 551	Transistor	DTC124ES			
C 157	CEJA3R3M50	Q 552	Transistor	DTC124ES			
C 158	CKSYB474K16	Q 553	Transistor	2SC2458			
C 159	CEJA220M6R3	Q 555	Transistor	2SC2459			
C 160	CKSQYB104K16	Q 556	Transistor	2SC4116			
C 161	CKSQYB104K16	Q 557	Transistor	DTC144EU			
C 162	CEJA3R3M50	Q 701	Transistor	2SC2713			
C 163	CKSRYB102K50	Q 702	Transistor	2SC2712			
C 170	CCSRCH100D50	Q 703	Transistor	2SC2712			
C 201	CCSRCH471J50	Q 704	Transistor	2SD1859			
C 202	CCSRCH100D50	Q 705	Transistor	DTA124EK			
C 203	CKSRYB332K50	Q 706	Transistor	DTA124EK			
C 204	CKSQYB473K16	Q 707	Transistor	DTA114EK			
C 205	CKSQYB473K16						
C 206	CKSQYB104K16						
C 207	CCSRCH560J50						
C 209	CKSQYB104K16						
C 211	CCSRCH101J50						

====Circuit Symbol & No.===Part Name	Part No.	====Circuit Symbol & No.===Part Name	Part No.
Q 901 Transistor	2SA1429		
Q 902 Transistor	2SC2713	RESISTORS	
Q 904 Transistor	2SD1859		
Q 907 Transistor	DTB113ZS	R 251	RS1/10S273J
Q 908 Transistor	DTC123YK	R 252	RS1/10S273J
		R 253	RS1/10S470J
Q 909 Transistor	DTB113ZS	R 254	RS1/10S470J
Q 910 Transistor	DTC123YK	R 255	RS1/10S472J
Q 911 Transistor	2SB1236		
Q 912 Transistor	2SC2459	R 256	RS1/10S472J
Q 913 Transistor	2SA1429	R 257	RS1/10S104J
		R 258	RS1/10S104J
Q 914 Transistor	2SC2459	R 260	RS1/10S102J
Q 915 Transistor	2SA1048	R 261	RS1/10S102J
Q 917 Transistor	2SB942A		
Q 921 Transistor	2SC2459	R 262	RS1/10S473J
Q 922 Transistor	DTA124ES	R 263	RS1/10S473J
		R 264	RS1/10S333J
Q 923 Transistor	2SA1049	R 265	RS1/10S104J
Q 924 Transistor	2SA1429	R 266	RS1/10S153J
D 251 Diode	1SS133		
D 501 Chip Diode	MA151WK	R 451	RS1/10S0R0J
D 503 Diode	1SS133	R 452	RS1/10S0R0J
		R 455	RS1/10S222J
D 551 Diode	ERA15-10VH	R 456	RS1/10S222J
D 552 Diode	ERA15-10VH	R 457	RS1/10S222J
D 553 Chip Diode	MA151WK		
D 554 Diode	HZS9L(A3)	R 458	RS1/10S222J
D 555 Diode	ERA15-10VH	R 459	RS1/10S152J
		R 460	RS1/10S152J
D 556 Diode	ERA15-10VH	R 461	RS1/10S222J
D 557 Diode	ERA15-10VH	R 462	RS1/10S222J
D 559 Diode	ERC05-10B		
D 651 Diode	1SS133	R 465	RS1/10S221J
D 652 Diode	1SS133	R 466	RS1/10S221J
		R 467	RS1/10S184J
D 653 Diode	1SS133	R 468	RS1/10S184J
D 654 Diode	1SS133	R 501	RS1/10S472J
D 657 Diode	1SS133		
D 658 Diode	1SS133	R 502	RS1/10S562J
D 701 Diode	1SS133	R 503	RS1/10S102J
		R 504	RS1/10S222J
D 702 Diode	RD18JS(B2)	R 505	RS1/10S222J
D 703 Diode	RD18JS(B2)	R 506	RS1/10S682J
D 704 Diode	HZS7L(C3)		
D 705 Diode	HZS9L(A1)	R 507	RS1/10S472J
D 707 Diode	1SS133	R 508	RS1/10S222J
		R 509	RS1/10S102J
D 708 Diode	HZS6L(A2)	R 510	RS1/10S682J
D 709 Diode	1SS133	R 511	RS1/10S472J
D 801 Diode	MA8047(H)		
D 901 Diode	MA8068(H)	R 512	RS1/10S103J
D 902 Diode	ERA15-02VH	R 513	RS1/10S561J
		R 514	RS1/10S152J
D 903 Diode	ERA15-02VH	R 515	RS1/10S392J
D 904 Diode	HZS6L(B1)	R 516	RS1/10S392J
D 905 Diode	HZS6L(C2)		
L 501 Ferri-Inductor	LAU2R2K	R 517	RS1/10S272J
L 502 Ferri-Inductor	CTF-157	R 518	RS1/10S222J
		R 519	RS1/10S151J
L 503 Ferri-Inductor	LAU2R2K	R 520	RS1/10S821J
L 504 Ferri-Inductor	LAU2R2K	R 523	RS1/10S102J
L 551 Choke Coil 600H	CTH1171		
L 701 Ferri-Inductor	LAU101K	R 525	RS1/10S332J
L 702 Ferri-Inductor	LAU221K	R 526	RS1/10S332J
		R 527	RS1/10S222J
L 801 Ferri-Inductor	LAU101K	R 528	RS1/10S222J
L 802 Ferri-Inductor	LAU101K	R 529	RS1/10S223J
L 803 Inductor	LCTB2R2K2125		
L 901 Ferri-Inductor	LAU101K	R 530	RS1/10S223J
X 501 Crystal Resonator 7.200MHz	CSS1379	R 531	RS1/10S224J
		R 532	RS1/10S224J
X 701 Ceramic Resonator 6.29MHz	CSS1310	R 533	RS1/10S824J
X 801 Crystal Resonator 4.332MHz	CSS1056	R 537	RS1/10S102J
VR 501 Semi-fixed 2.2kΩ(B)	CCP1202		
	CWE1416	R 538	RS1/10S103J
AR 501 FM/AM Tuner Unit	DSP-201M	R 551	RS1/10S222J
		R 552	RS1/10S221J
		R 553	RS1/10S153J
		R 554	RS1/10S103J

# KEH-M6036ZH,M6236ZH

====Circuit Symbol & No.====Part Name	Part No.	====Circuit Symbol & No.====Part Name	Part No.
R 555	RS1/10S103J	R 752	RS1/10S102J
R 556	RS1/10S472J	R 757	RS1/10S681J
R 557	RS1/10S102J	R 758	RS1/10S681J
R 558	RS1/10S472J	R 759	RS1/10S681J
R 559	RS1/8S103J	R 760	RS1/10S681J
R 562	RD1/4PU182J	R 761	RS1/10S472J
R 563	RS1/8S103J	R 762	RS1/10S472J
R 564	RS1/10S103J	R 763	RS1/10S472J
R 565	RS1/10S102J	R 801	RA3C681J
R 566	RS1/10S473J	R 803	RS1/10S681J
R 567	RS1/10S104J	R 804	RS1/10S222J
R 568	RS1/10S102J	R 805	RS1/10S102J
R 569	RS1/10S104J	R 806	RS1/10S681J
R 601	RS1/10S392J	R 807	RS1/10S681J
R 602	RS1/10S392J	R 808	RS1/10S102J
R 603	RS1/10S392J	R 809	RS1/10S681J
R 604	RS1/10S392J	R 810	RS1/10S102J
R 605	RS1/8S121J	R 811	RS1/10S102J
R 606	RD1/2PM681J	R 812	RS1/10S681J
R 607	RS1/10S682J	R 813	RS1/10S102J
R 608	RS1/10S682J	R 814	RS1/10S681J
R 609	RS1/10S682J	R 815	RS1/10S473J
R 610	RS1/10S682J	R 816	RS1/10S473J
R 651	RS1/8S222J	R 817	RS1/10S562J
R 652	RS1/8S222J	R 818	RD1/4PU105J
R 654	RS1/8S222J	R 819	RS1/10S222J
R 701	RS1/10S393J	R 820	RS1/10S102J
R 702	RS1/10S473J	R 821	RS1/10S681J
R 704	RS1/10S102J	R 822	RS1/10S681J
R 705	RS1/10S124J	R 823	RS1/10S681J
R 706	RS1/10S472J	R 824	RS1/10S473J
R 708	RS1/10S473J	R 825	RS1/10S473J
R 709	RS1/10S473J	R 826	RS1/10S473J
R 710	RS1/10S102J	R 832	RS1/10S681J
R 711	RS1/10S102J	R 836	RS1/10S681J
R 712	RS1/10S473J	R 837	RS1/10S102J
R 715	RA3C472J	R 838	RS1/10S223J
R 718	RS1/10S102J	R 839	RS1/10S223J
R 719	RS1/10S102J	R 840	RS1/10S333J
R 720	RS1/10S102J	R 841	RS1/10S0R0J
R 721	RS1/10S681J	R 842	RD1/4PU121J
R 722	RS1/10S681J	R 844	RS1/10S473J
R 723	RS1/10S102J	R 845	RS1/10S473J
R 724	RS1/10S681J	R 846	RS1/10S473J
R 725	RS1/10S681J	R 847	RS1/10S473J
R 726	RS1/10S473J	R 848	RS1/10S102J
R 729	RS1/10S102J	R 849	RS1/10S562J
R 730	RS1/10S102J	R 850	RS1/10S564J
R 733	RS1/10S392J	R 851	RS1/10S222J
R 734	RD1/4PU101J	R 852	RS1/10S222J
R 735	RD1/4PU680J	R 853	RS1/10S102J
R 736	RD1/4PU101J	R 901	RS1/10S222J
R 737	RS1/10S473J	R 902	RD1/4PU221J
R 738	RS1/10S473J	R 904	RS1/10S103J
R 739	RS1/10S104J	R 905	RS1/10S272J
R 740	RS1/10S473J	R 907	RS1/10S203J
R 741	RS1/10S473J	R 912	RS1/10S472J
R 742	RS1/10S473J	R 913	RD1/4PU331J
R 744	RS1/10S823J	R 914	RD1/4PU103J
R 746	RS1/10S682J	R 915	RD1/4PU331J
R 747	RS1/10S473J	R 916	RS1/10S473J
R 748	RS1/10S472J	R 917	RS1/10S102J
R 749	RS1/10S361J	R 918	RS1/10S103J
R 750	RS1/10S102J	R 919	RS1/10S103J
R 751	RS1/10S473J	R 920	RD1/4PU331J

====Circuit Symbol & No.====Part Name	Part No.	====Circuit Symbol & No.====Part Name	Part No.
R 921	RD1/4PU331J	C 514	CCSOSL101J50
R 922	RS1/10S332J	C 515	CKSQYB473K25
R 923	RS1/10S103J	C 518	CKSQYB103K50
R 924	RS1/10S103J	C 519	CCSOSL101J50
R 925	RS1/10S332J	C 520	CKSQYB472K50
R 926	RS1/10S103J	C 522	CKSQYB104K25
R 927	RS1/10S333J	C 523	CKSQYB103K50
R 928	RD1/4PU103J	C 524	CEJA220M6R3
R 933	RD1/4PU331J	C 525	CKSQYB103K50
R 934	RD1/4PU331J	C 526	CEJA220M6R3
R 937	RS1/10S103J	C 527	CKSQYB103K50
R 938	RS1/10S472J	C 528	CKLSR473K16
R 940	RD1/4PU103J	C 530	4.7μF/16V CCH1280
R 941	RS1/8S821J	C 531	CKSQYB103K50
R 942	RS1/8S821J	C 532	4.7μF/16V CCH1280
CAPACITORS			
C 251	CKSQYB681K50	C 533	CKSQYB103K50
C 252	CKSQYB681K50	C 534	CEJAR47M50
C 253	CEJA2R2M50	C 535	CKSQYB103K50
C 254	CEJA2R2M50	C 536	CCSQCH150J50
C 255	CEJA101M10	C 537	CCSQCH150J50
C 256	CEJA101M10	C 538	CEJA100M16
C 257	CKSQYB333K25	C 539	CKSQYB333K25
C 258	CKSQYB333K25	C 540	CKSQYB333K25
C 259	220μF/10V CCH1014	C 541	CEJA2R2M50
C 260	CKSQYB103K50	C 542	CEJA2R2M50
C 261	CKSQYB103K50	C 543	CKSQYB103K50
C 262	CKSQYB103K50	C 544	CKSQYB223K50
C 263	CKSQYB103K50	C 551	CFTNA224J50
C 451	CEJA2R2M50	C 552	CFTNA224J50
C 452	CEJA2R2M50	C 553	CFTNA224J50
C 453	CEJANP2R2M50	C 554	CFTNA224J50
C 454	CEJANP2R2M50	C 555	CEJA100M16
C 455	CEJA2R2M50	C 556	CFTNA224J50
C 456	CEJA2R2M50	C 557	CEJA1R0M50
C 457	CKSQYB103K50	C 558	CEHAR100M16
C 458	CKSQYB103K50	C 559	CKSQYB104K50
C 459	CEJANP100M10	C 561	CKSQYB102K50
C 460	CEJANP100M10	C 562	CKSQYB102K50
C 461	CEJANP100M10	C 563	CKSQYB102K50
C 462	CEJANP100M10	C 564	CKSQYB102K50
C 465	CKSQYB183K50	C 565	CKSQYB102K50
C 466	CKSQYB183K50	C 566	CKSQYB102K50
C 467	CKSQYB102K50	C 567	CKSQYB102K50
C 468	CKSQYB102K50	C 568	CKSQYB102K50
C 469	CEJANP2R2M35	C 570	CKSQYB222K50
C 470	CEJANP2R2M35	C 571	CEAS472M16
C 471	CKSQYB333K25	C 572	CEJA4R7M50
C 472	CKSQYB333K25	C 573	CKSQYB222K50
C 473	CEJANP100M10	C 574	CKSQYB473K50
C 474	CEJANP100M10	C 575	CKSQYB104K50
C 475	CKSQYB223K50	C 577	CKSQYB473K50
C 476	CKSQYB223K50	C 579	CKSQYB222K50
C 477	CEJA220M10	C 601	CEJA1R0M50
C 478	CKSQYB103K50	C 602	CEJA1R0M50
C 479	CEJA2R2M50	C 603	CEJA1R0M50
C 480	CKSQYB104K25	C 604	CEJA1R0M50
C 481	CEJA470M10	C 605	CEJA100M16
C 501	CKSQYB152K50	C 606	CEJA100M16
C 503	CKSQYB223K50	C 607	CEJA100M16
C 506	CKSQYB102K50	C 608	CEJA100M16
C 507	CKSQYB103K50	C 701	CCSOSL101J50
C 509	CKSQYB102K50	C 702	CKSQYB104K25
C 510	CKSQYB103K50	C 704	CKSQYB102K50
C 512	CKSQYB103K50	C 705	CEJA2R2M50
C 513	CKSQYB103K50	C 706	CKSQYB102K50

# KEH-M6036ZH,M6236ZH

====Circuit Symbol & No.===Part Name	Part No.
C 707	CKSQYB102K50
C 708	CKSQYB102K50
C 709	CKSQYB223K50
C 710	CEJA220M10
C 711	CEJA2R2M50
C 712	CEJA220M10
C 715	CKSQYB102K50
C 716	CKSQYB223K50
C 801	CKSQYB103K50
C 803	CKSQYB102K50
C 804	CKSQYB102K50
C 806	CCSQCH270J50
C 807	CCSQCH270J50
C 809	CKSQYB102K50
C 811	CKSQYB104K25
C 812	CKSQYB222K50
C 813	CKSYB104K25
C 814	CKSYB105K16
C 815	CKSQYB104K25
C 816	CKSQYB472K50
C 817	CEJA100M16
C 818	CKSQYB103K50
C 819	CKSQYB104K25
C 820	CEJANP4R7M16
C 821	CEJA4R7M35
C 823	CKSQYB103K50
C 824	CKSQYB103K50
C 902	CEJA1R0M50
C 903	CEJA101M10
C 904	CEAS102M16
C 905	CKSQYB103K50
C 906	CEJA220M10
C 907	CEJA220M10
C 912	CEJA4R7M35
C 920	CEJA1R0M50

====Circuit Symbol & No.===Part Name	Part No.	
S 966	Switch	CSG1043
S 967	Switch	CSG1043
S 968		CSD1026
IL 951	Lamp 14V 40mA(M6036ZH)	CEL1533
IL 951	Lamp 14V 40mA(M6236ZH)	CEL1589
IL 952	Lamp 14V 40mA(M6036ZH)	CEL1533
IL 952	Lamp 14V 40mA(M6236ZH)	CEL1589
IL 953	Lamp 14V 40mA(M6036ZH)	CEL1516
IL 953	Lamp 14V 40mA(M6236ZH)	CEL1552
IL 954	Lamp 14V 40mA(M6036ZH)	CEL1516
IL 954	Lamp 14V 40mA(M6236ZH)	CEL1552
IL 955	Lamp 14V 40mA(M6036ZH)	CEL1516
IL 955	Lamp 14V 40mA(M6236ZH)	CEL1552
IL 956	Lamp 14V 40mA(M6036ZH)	CEL1516
IL 956	Lamp 14V 40mA(M6236ZH)	CEL1552
LCD 951	LCD	CAW1358
RESISTORS		
R 951		RS1/8S222J
R 952		RS1/8S222J
R 953		RS1/10S222J
R 954		RS1/8S121J
R 955		RS1/10S472J
R 956		RS1/10S472J
R 957		RA4C681J
R 958		RS1/10S681J
R 959		RA4C681J
R 960		RA4C473J
R 961		RA4C472J
R 962		RS1/10S473J
R 963		RS1/10S103J
R 964		RS1/10S473J
R 965		RS1/10S473J
CAPACITORS		
C 951		CKSQYB823K50
C 952		CKSQYB823K50
C 953		CKSQYB104K25
C 954		CSZSC100M16
C 955		CKSQYB103K50
C 956		CKSQYB103K50
C 957		CKSQYB473K25
C 958		CCSQSL101J50
C 959		CKSQYB103K50

**D** Unit Number : UWM5831(M6036ZH)  
 : UWM6168(M6236ZH)  
 Unit Name : Keyboard Unit

### MISCELLANEOUS

IC 951	IC	PD4762A
IC 952	HIC	RS-21
Q 951	Transistor	DTA114EK
Q 952	Transistor	2SC2712
D 951	Diode	MA153
D 952	Diode	MA153
D 953	Diode	IMN10
D 954	Diode	IMN10
L 951		LCTA2R2J3225
X 951	Ceramic Resonator 4.194MHz	CSS1071
S 951	Switch	CSG1043
S 952	Switch	CSG1043
S 953	Switch	CSG1043
S 954	Switch	CSG1043
S 955	Switch	CSG1043
S 956	Switch	CSG1043
S 957	Switch	CSG1043
S 958	Switch	CSG1043
S 959	Switch	CSG1043
S 960	Switch	CSG1043
S 961	Switch	CSG1043
S 962	Switch	CSG1043
S 963	Switch	CSG1043
S 964	Switch	CSG1043
S 965	Switch	CSG1043

**E** Unit Number :  
 Unit Name : Cassette PCB

S 1	Switch(Load)	ESN1016
S 2	Switch(Mute)	ESN1017
S 3	Switch(FWD/REV)	ESH1006
S 4	Switch(Eject)	ESG1006
R 1		RD1/4HM472J

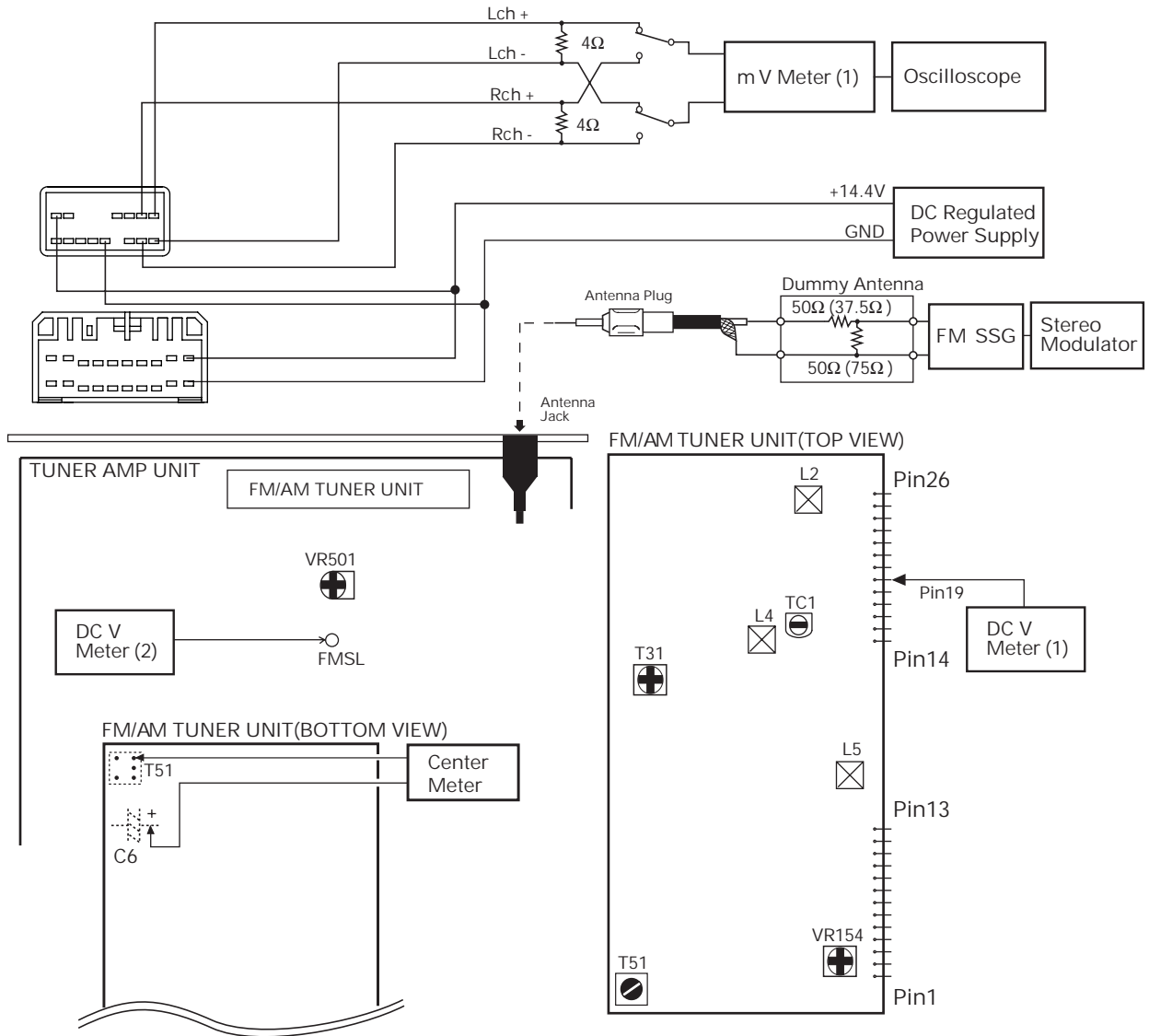
### Miscellaneous Parts List

HD 1	Head Assy	EXA1466
M 1	Motor Unit	EXA1467
SO 1	Solenoid	EXP1012



## 6. ADJUSTMENT

● Connection Diagram



# KEH-M6036ZH,M6236ZH

Modulation M:MONO MOD., 400Hz 30%(22.5kHz 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

	No.	FM SSG		Displayed Frequency(MHz)	Adjustment Point	Adjustment Method (Switch Position)
		Frequency(MHz)	Level(dBf)			
TUN Volt	1	.....	.....	108.0	L5	DC V Meter(1) : 6V
IF	1	98.1 M	60	98.1	T51	Center Meter : 0
ANT Coil	1	98.1 M	5	98.1	L2	mV Meter(1) : Maximum
RF Coil	1	98.1 M	5	98.1	L4	mV Meter(1) : Maximum
Image	1	129.3 M	60—80	107.9	TC1	mV Meter(1) : Minimum
IFT	1	98.1 M	5	98.1	T31	mV Meter(1) : Maximum (STEREO MODE)
ARC	1	98.1 S	39	98.1	VR154	mV Meter(1) : Separation 5dB (STEREO MODE)

## RDS SL ADJUSTMENT

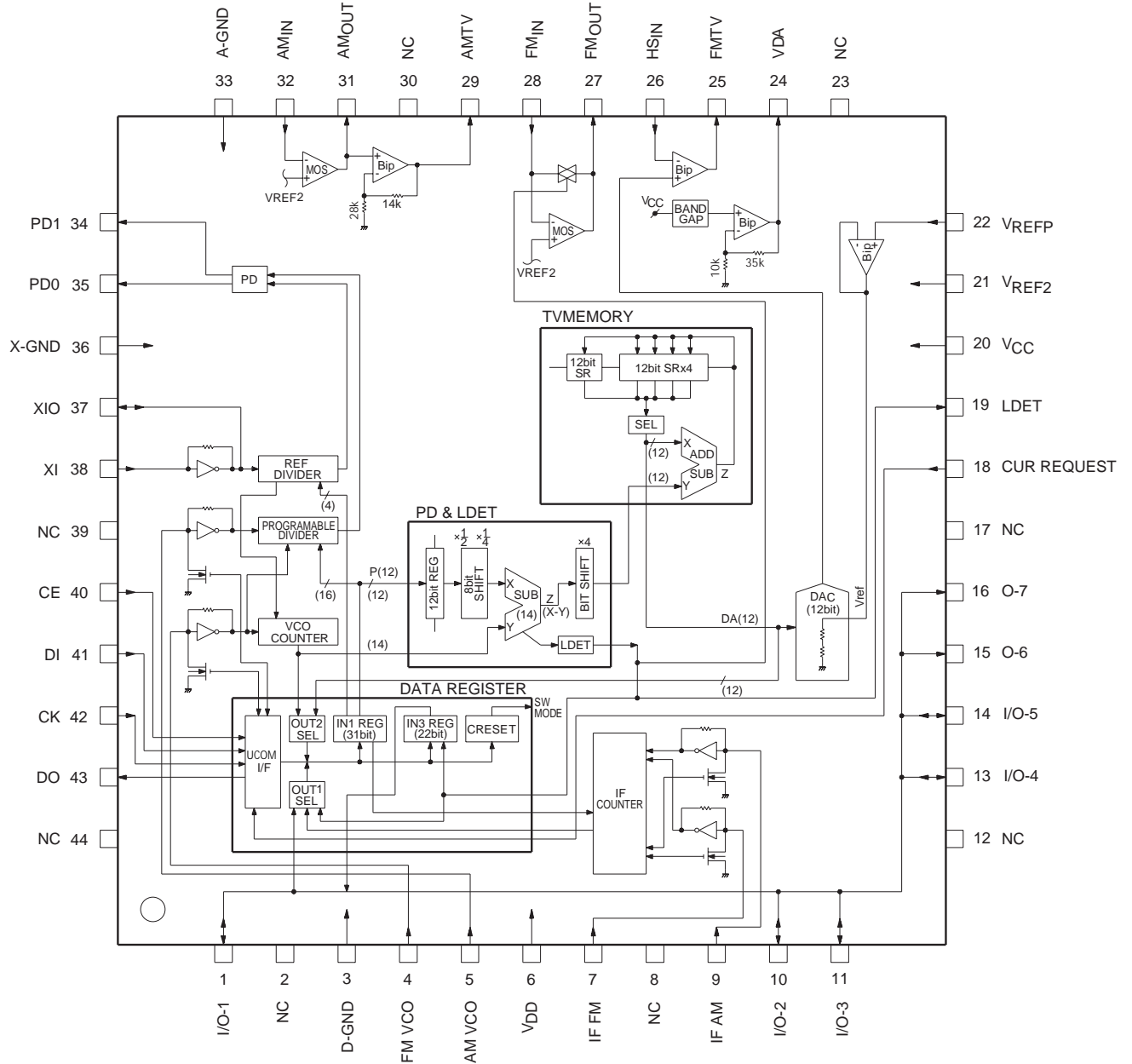
	No.	FM SSG		Displayed Frequency(MHz)	Adjustment Point	Adjustment Method (Switch Position)
		Frequency(MHz)	Level(dBf)			
	1	98.1	35	98.1	VR501	DC V Meter(2) : 1.75V+0.05V,-0.35V

## 7. GENERAL INFORMATION

### 7.1 PARTS

#### 7.1.1 IC

PM2007A

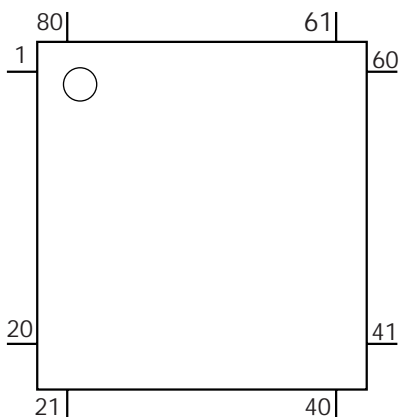


## ● Pin Functions (PD4944A)

Pin No.	Pin Name	I/O	Format	Function and Operation
1	VST	O	C	Strobe pulse output for electronic volume
2	VCK	O	C	Clock output for electronic volume
3	VDT	O	C	Data output for electronic volume
4	AVSS	I		A/D GND
5,6	NC			Not used
7	AVREF1			(Connect to VDD)
8	KYDT	I		Key data input
9	DPDT	O	C	Display data output
10-13	NC			Not used
14	LCDBK	O	C	LCD back light output
15	RDSTEST	I		RDS test input
16	RSDSI	I		Serial data input for RDS IC
17	RSDSO	O	C	Serial data output for RDS IC
18	RDSCK	O	C	Serial clock for RDS IC
19	RDSRST	O	C	Reset output for RDS IC
20	RDSSEL	O	C	Select output for RDS IC
21-29	NC			Not used
30	DMINH	O	C	
31	MECPW	O	C	Cassette mechanism power output
32	TAPLOD	I		Tape loading sense input
33	VSS			GND
34	MCMUTE	I		Cassette mechanism mute input
35	NR	I		Tape running input
36	SWVDD	O	N	Grille power supply control output
37,38	NC			Not used
39	TUMUTE	O	N	Tuner mute output
40	NC			Not used
41	SYSPW	O	C	System power supply control output
42	PDI	I		Data input from PLL IC
43	PCK	O	C	Serial clock output for PLL IC
44	PDO	O	C	Data output for PLL IC
45	PEE	O	C	Beep tone output
46	PEE1	O	C	Beep tone output
47	PCE2	O	C	Chip enable output for PLL IC
48	NC			Not used
49	TELIN	I		Telephone mute input
50	FMSD	I		FM SD input
51	ST	I		
52	IPPW	O	C	Power supply control output for IP BUS interface IC
53	ASENBO	O	C	Slave power supply control output
54,55	NC			Not used
56	IPDO	O	C	IP driver data output
57	IPDI	I		
58	NC			Not used
59	MUTE	O	C	Mute output
60	RESET	I		Reset input
61	RDSRDY	I		Ready input from RDS IC
62	BSENS	I		Back up power sense input
63	ASENS	I		ACC power sense input
64	NC			Not used
65	DSENS	I		Grille detach sense
66	EJECT	I		
67	ADPW	O	C	Control output for analog input reference power
68	VDD			Power supply
69	X2			Crystal oscillator connection pin
70	X1			Crystal oscillator connection pin
71	IC			GND

Pin No.	Pin Name	I/O	Function and Operation
72	XT2		Not used
73	TESTIN	I	Test program mode input
74	AVDD		Positive power supply terminal for analog circuit
75	AVREF0		GND
76	SL	I	SD level input from tuner
77	H/R IN	I	Remote control input
78-80	NC		Not used

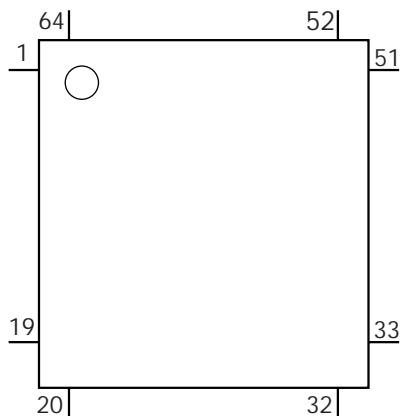
\*PD4944A



Format	Meaning
C	C MOS
N	N channel open drain

IC's marked by\* are MOS type.  
Be careful in handling them because they are very liable to be damaged by electrostatic induction.

\*PD6273A



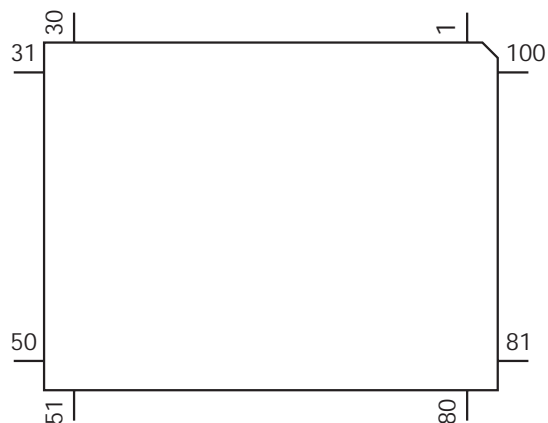
● Pin Functions (PD6273A)

Pin No.	Pin Name	I/O	Format	Function and Operation
1	PCK	O	N	PLL clock output
2	PDO	O	N	Data output for PLL IC
3	PDI	I		Data input from PLL IC
4	SL	I		SD level input from tuner
5	NL	I		Noise level input
6	MDSSENS	I		Modulation detect input
7	SOUND	I		Audio signal input
8	RMUTE	O	N	RDS mute output
9-11	NC			Not used
12	AVCC			Analog power supply
13	AVR			5V power supply
14	AVSS	I		A/D GND
15	RDSSEL	O	C	Select output for RDS IC
16	RCK	O	C	FROM clock output
17	RDT	I		FROM data input
18	LDET	I		PLL lock sense input
19	RDSLK	I		RDS LK signal input
20	RDSRST	O	C	Reset output for RDS IC
21	MOD0	I		Operation mode appointment input
22	MOD1	I		Operation mode appointment input
23	XIN	I		Crystal oscillating element connection pin
24	XOUT	O		Crystal oscillating element connection pin
25	VSS			GND
26	RESET	I		Reset input
27	L/S	O	C	Sensitivity of noise level select
28	CURRQ	O		Tuner voltage FIX output
29	RDSRDY	O		Ready output from RDS IC
30	RECIVE	O	C	During RDS data reception output
31	CORR	O	C	Error output
32	ERROR	O	C	Disapprove of error correction output
33-38	NC			Not used
39	SK	I		SK signal input
40-49	NC			Not used
50	GND			GND
51	TEST	I		Test terminal
52	RDSCK	O	C	Serial clock for RDS IC
53	RDSDO0	O	C	Communication data output
54	IRSDSI	I		Communication data input
55	RDS57K	I		57kHzBP-OUT sense input
56	GD	O	C	Gate drive control output
59	SD	I		SD input
60-64	NC			Not used

## ● Pin Functions (PD4762A)

Pin No.	Pin Name	I/O	Function and Operation
1,2	NC		Not used
3	DPDT	I	Display data input
4	KYDT	O	Remote control data output
5	NC		Not used
6	GND		GND
7	X2		Crystal oscillator connection pin
8	X1		Crystal oscillator connection pin
9	VDD		Power supply
10	TESTIN	I	Test program mode input
11	NC		Not used
12	RESET	I	Reset input
13	RENIN	I	Remote control pulse input
14-18	NC		Not used
19-22	KDT3-0	I	Key data input
23-26	KST6-3	O	Key strobe output
27	AVSS	I	A/D GND
28-30	KST2-0	O	Key strobe output
31	VOLUP	I	Volume up input from encoder
32	VOLDN	I	Volume down input from encoder
33-35	NC		Not used
36	AVDD		Positive power supply terminal for analog circuit
37	AVREF		A/D converter reference voltage
38,39	NC		Not used
40	VSS		GND
41-50	NC		Not used
51-54	COM0-3	O	LCD common output
55	BIAS		LCD power supply
56-58	VLC0-2		LCD power supply
59	VSS		GND
60	NC		Not used
61-97	S37-1	O	LCD segment output
98-100	NC		Not used

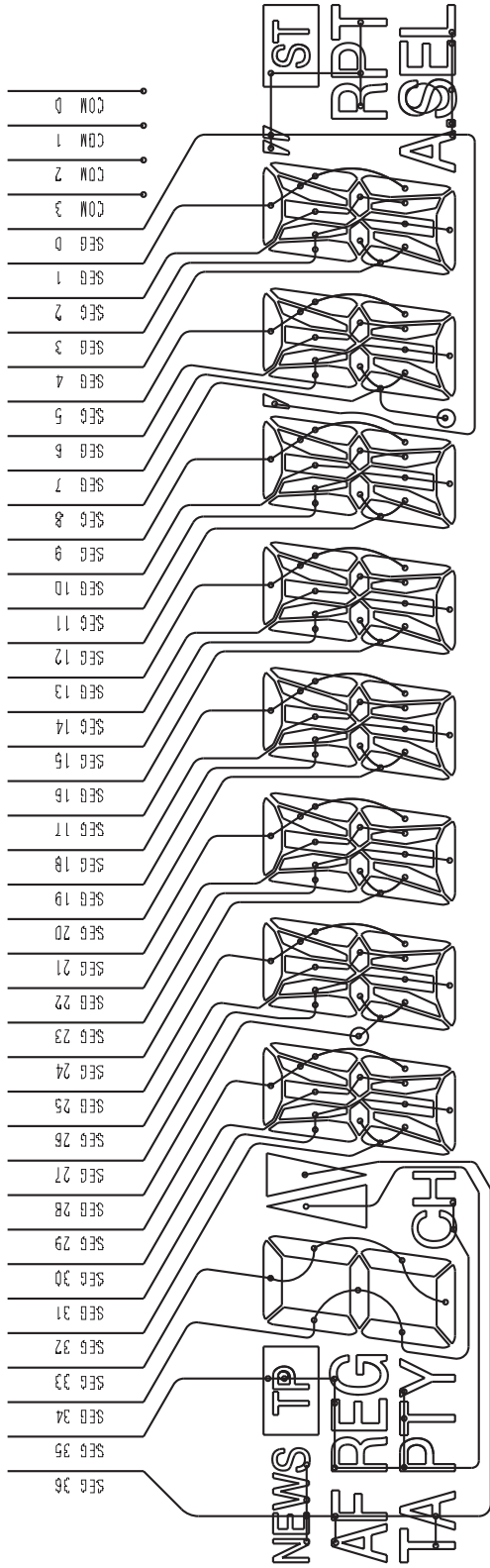
\*PD4762A



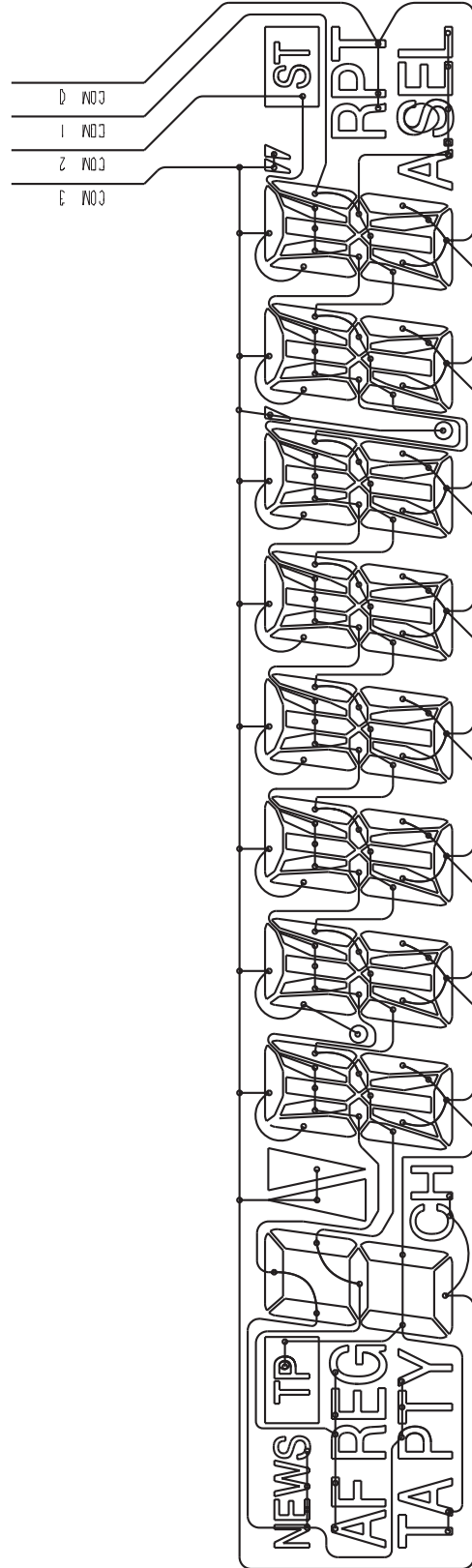
7.1.2 DISPLAY

● CAW1358

SEGMENT



COMMON

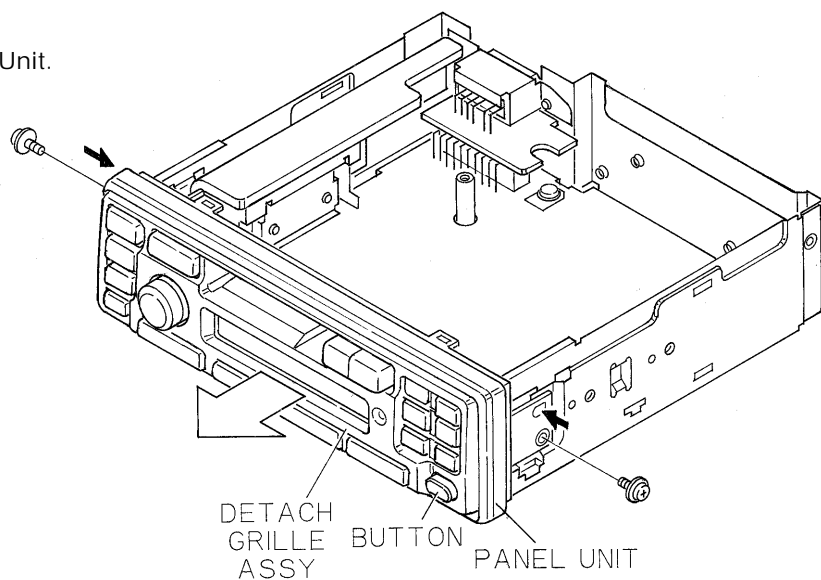




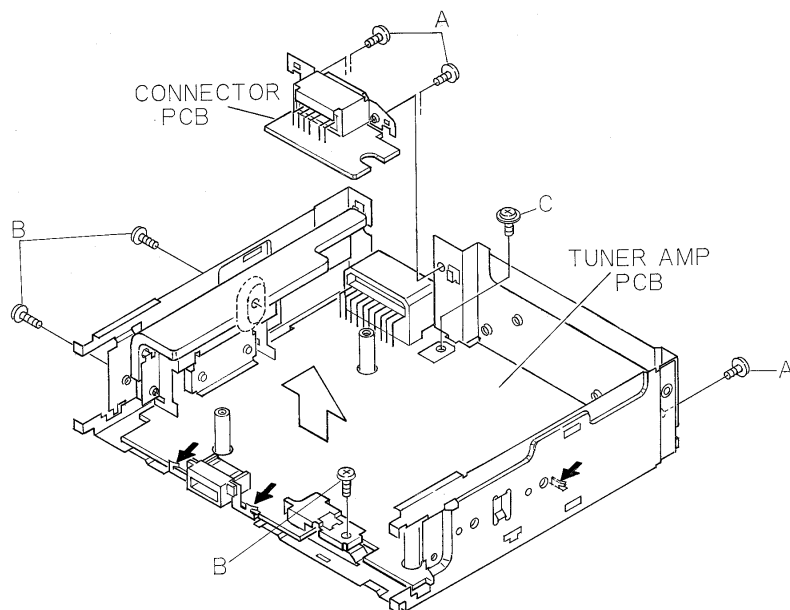
## 7.2 DIAGNOSIS

### 7.2.1 DISASSEMBLY

- Remove the Case (Not shown)
  1. Remove the Case.
- Remove the Cassette Mechanism Assy (Not shown)
  1. Remove the four screws.
  2. Disconnect the connector.
  3. Remove the Cassette Mechanism Assy.
- Remove the Detach Grille Assy and Panel Unit
  1. Remove the two screws.
  2. Remove the Detach Grille Assy and Panel Unit.

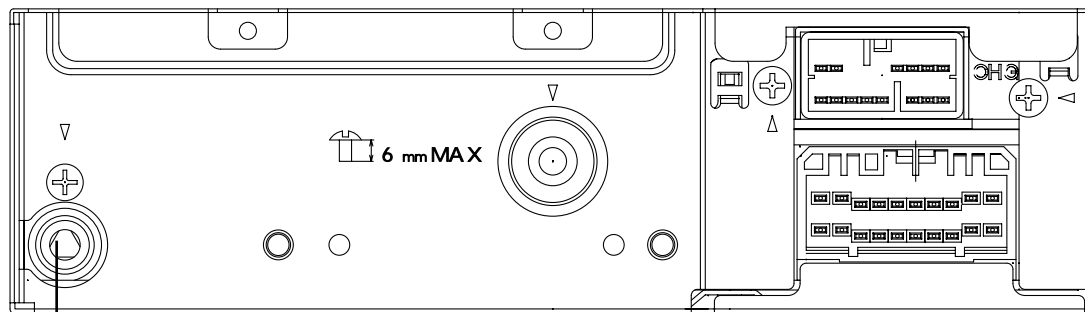


- Remove the Tuner Amp PCB and Connector PCB
  1. Remove the three screws A, three screws B and one screw C.
  2. Stretch the three claws, and then remove the Tuner Amp PCB and Connector PCB.

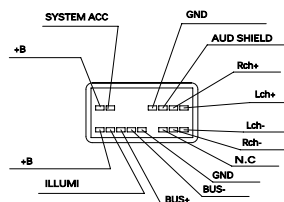


Note: When replacing CKM1283, reuse the fixing screws PRZ30P060FSN (with glue). After screwing, fix them by soldering.  
 If you use brand-new screws PRZ30P060FSN (without glue), fasten them, apply glue to them, and fix them by soldering.

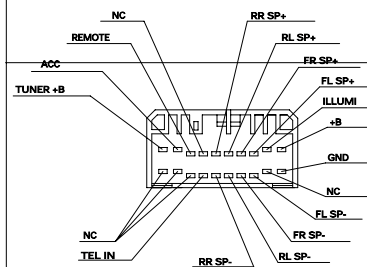
7.2.2 CONNECTOR FUNCTION DESCRIPTION



ANTENNA JACK

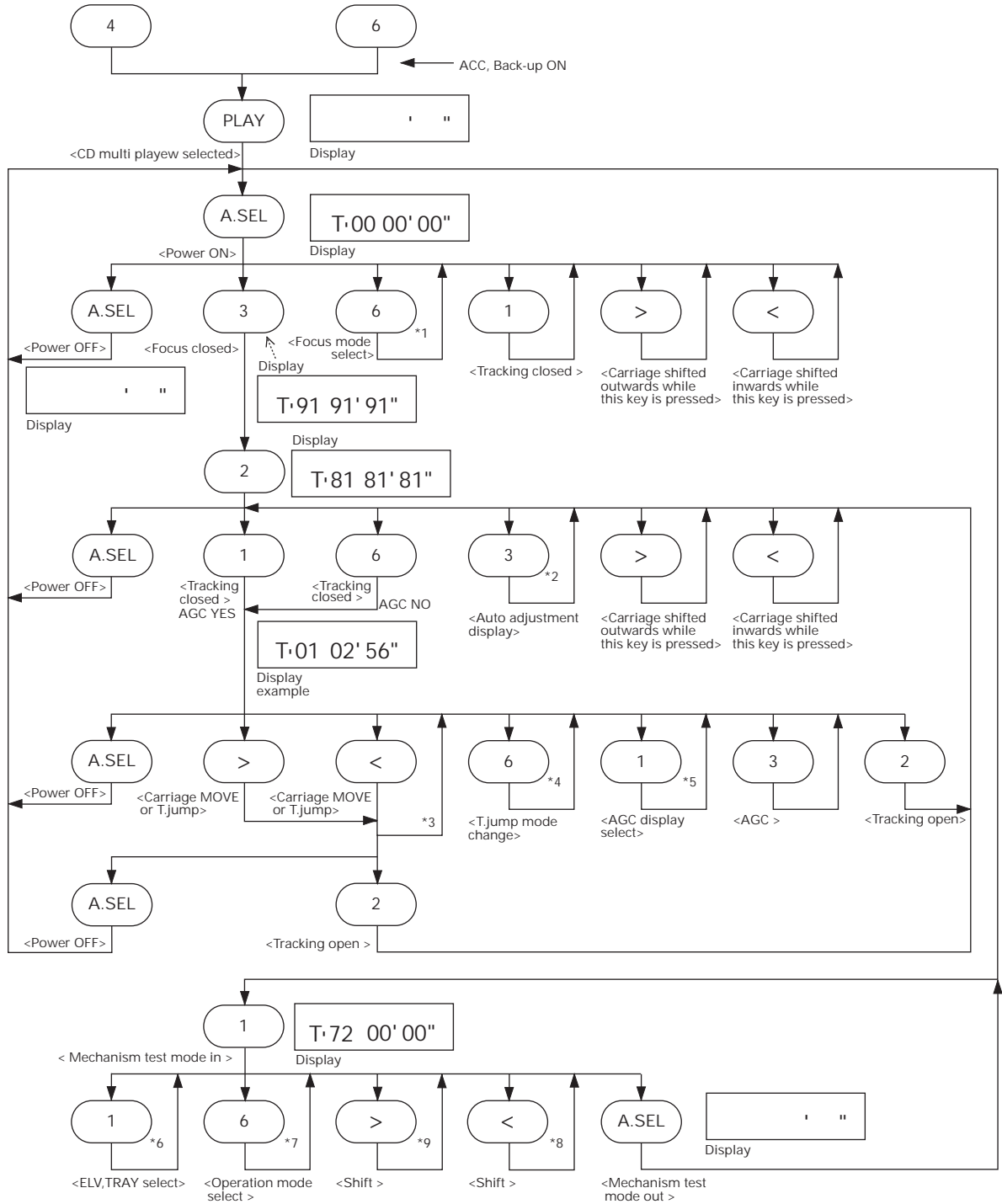


No.	NAME	No.	NAME
1	+B	8	ILLUMI
2	SYSTEM ACC	9	BUS+
3	GND	10	BUS-
4	AUD SHIELD	11	GND
5	Rch+	12	NC
6	Lch+	13	Rch-
7	+B	14	Lch-



No.	NAME	No.	NAME
1	TUNER +B	11	NC
2	ACC	12	TEL IN
3	NC	13	RR SP-
4	NC	14	RL SP-
5	REMOTE	15	FR SP-
6	NC	16	FL SP-
7	RR SP+	17	ILLUMI
8	RL SP+	18	+B
9	FR SP+	19	NC
10	FL SP+	20	GND

7.2.3 TEST MODE



\*1 Normal focus close → S curve check → Focus EQ check  
 00 00' 00" Display 01 01' 01" 02 02' 02"

\*2 Normal display → Focus cancel → Tracking offset → Tracking balance (Close spindle-rough)

\*3 100 TRK jump & carriage MOVE continue only while the keys are pressed

\*4 SINGLE → 4TRK → 10TRK → 32TRK → 100TRK → C.MOVE  
 81 Display 82 83 84 85 86

\*5 Normal display → Focus gain → Tracking gain → Focus bias

\*6 ELV motor select → TRAY motor select  
 72 00' 0X" Display 72 10' 0X"

\*7 ELV select: 8ms pulse drive → 24ms pulse drive → DC drive  
 72 00' 00" Display 72 00' 01" 72 00' 02"

TRAY select: 48ms pulse drive → 200ms pulse drive → DC drive  
 72 10' 00" Display 72 10' 01" 72 10' 02"

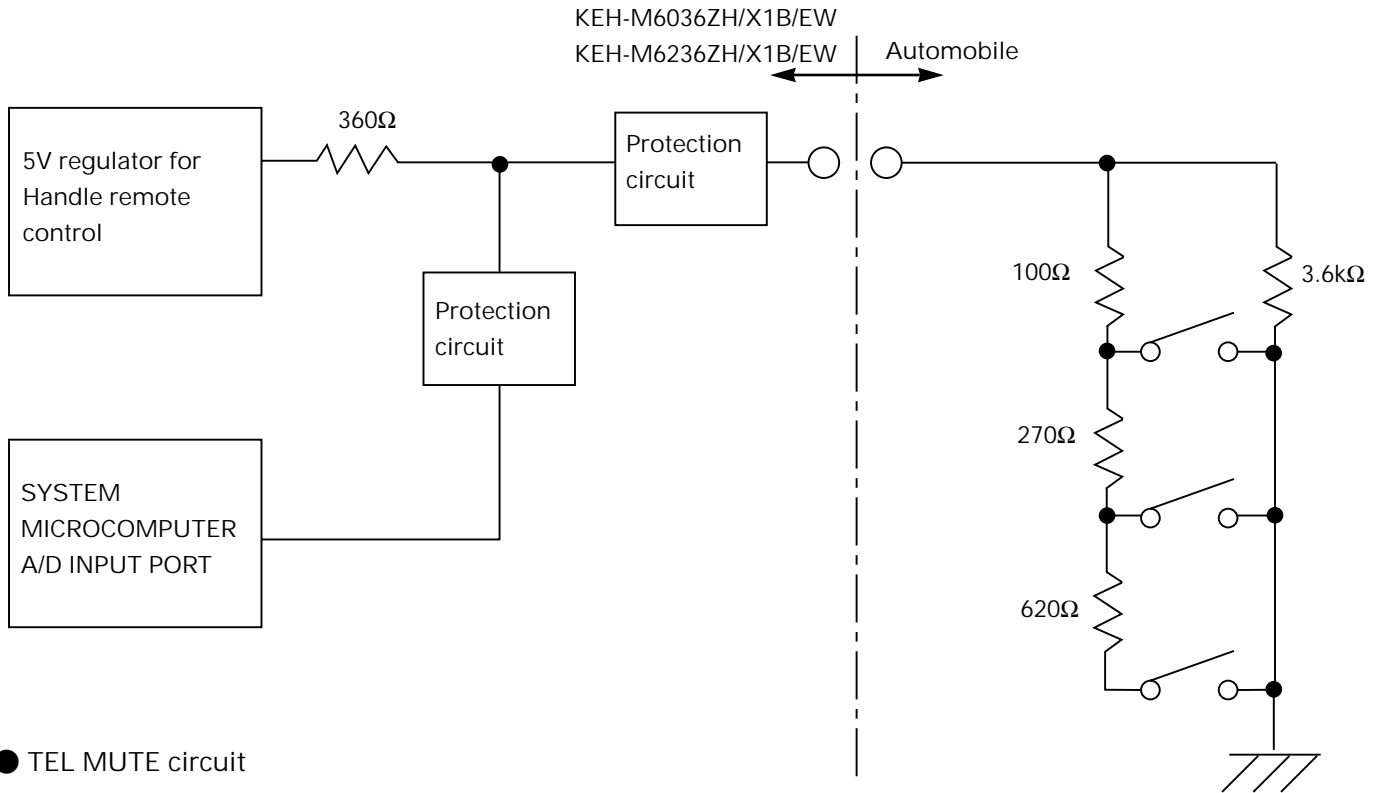
\*8 ELV select : ELV down (Disc 1 to 6)  
 TRAY select : TRAY out

\*9 ELV select : ELV up (Disc 6 to 1)  
 TRAY select : TRAY in

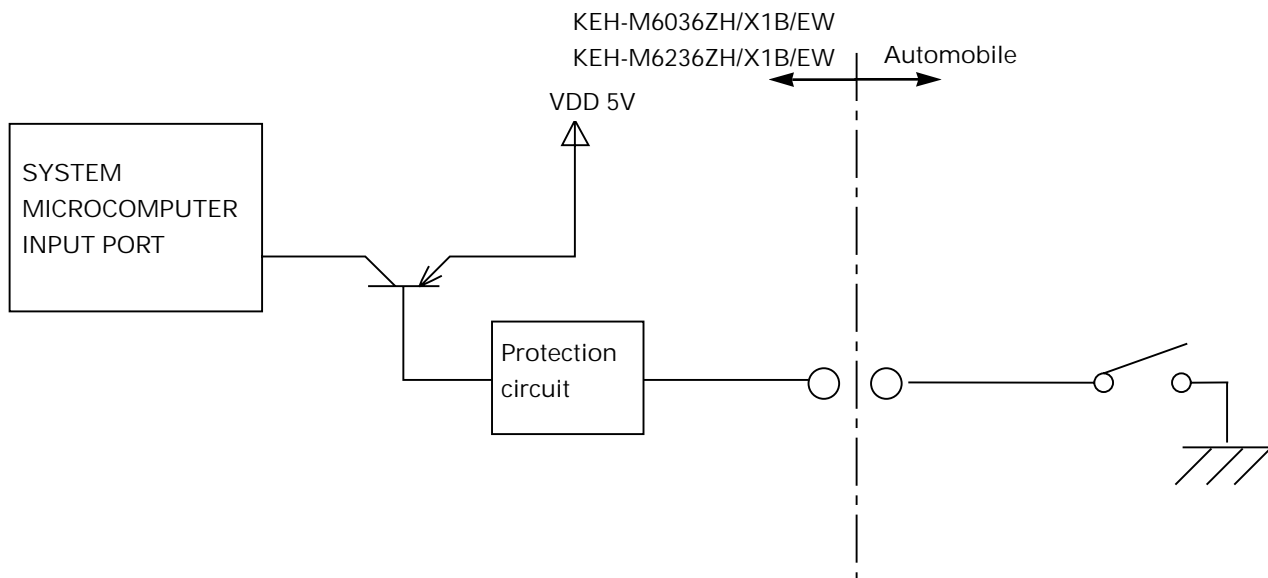
7.3 EXPLANATION

7.3.1 CIRCUIT DESCRIPTIONS

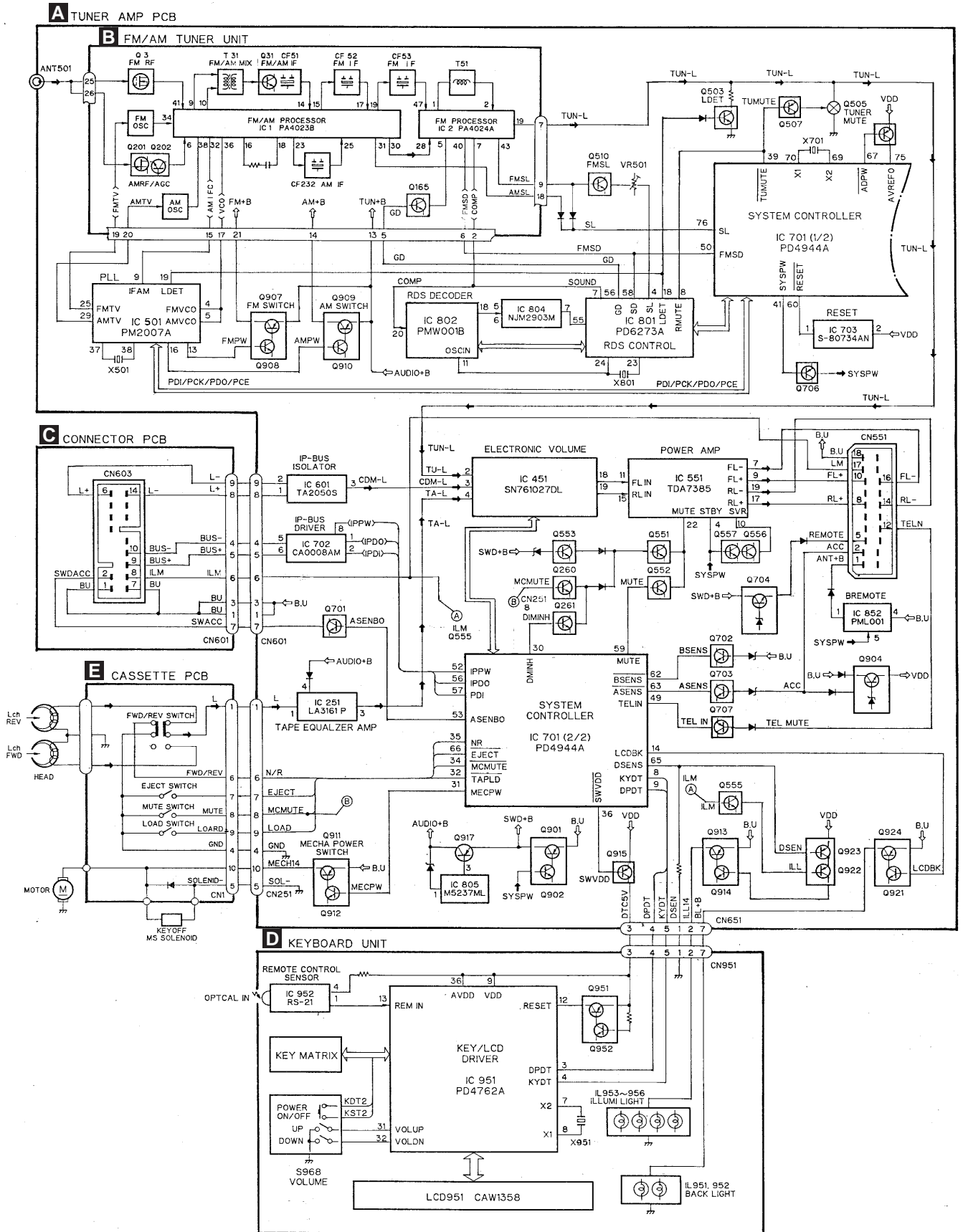
● Handle remote control circuit



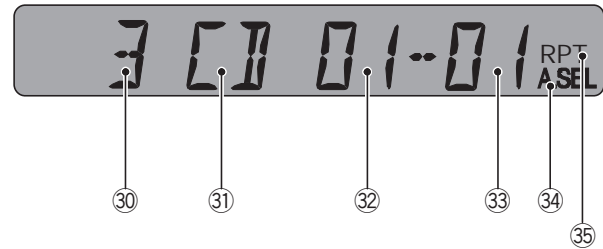
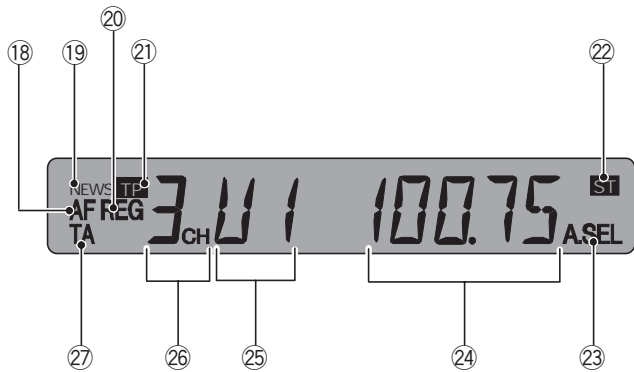
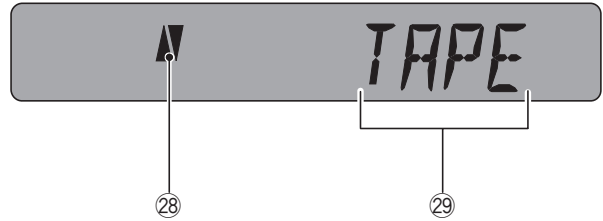
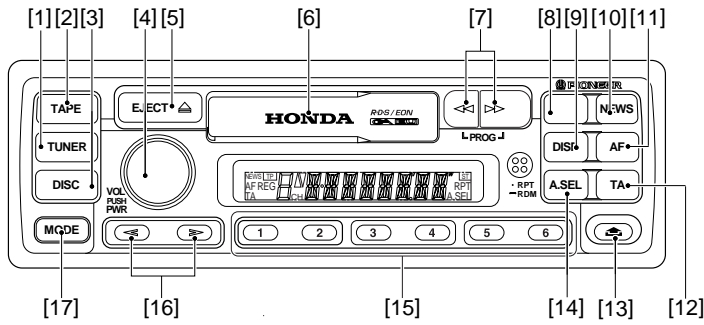
● TEL MUTE circuit



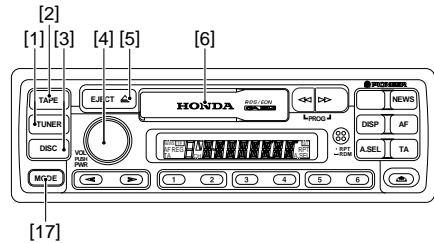
7.3.2 BLOCK DIAGRAM



## 8. OPERATIONS AND SPECIFICATIONS



### BASIC OPERATIONS



#### SWITCHING POWER ON

Radio ..... [1] [4]  
 When button [1] is pressed, the radio power is turned on. To turn off, press button [4].

Tape ..... [4] [2] [5]  
 When a cassette is inserted in the cassette door [6], it is loaded and starts playing automatically. It can be stopped by pressing button [4], and restarted by pressing button [2]. To remove the cassette, press button [5].

CD (MD) ..... [3] [4]  
 • The proper Honda CD (MD) changer (sold separately) is required to play CDs (MDs).  
 Playing of a CD (MD) is started by pressing button [3], and stopped by pressing button [4].

SWITCHING POWER ON ..... [4]  
 If button [4] is pressed when the power is off, the power supply of the source before power was turned off is turned on.

ADJUSTING VOLUME ..... [4]  
 The volume is increased by turning dial [4] to the right, and decreased by turning it to the left. (Display shows "VOL 00" ~ "VOL 30".)

**Advice**

• When driving, a volume level should be selected that allows sounds outside the vehicle to be heard.

ADJUSTING AUDIO ..... [17]  
 Press button [17] to switch to the mode in which you want to make the adjustment, and turn the dial to make the adjustment. The adjustment mode changes each time the dial is pressed, as shown below.

- No-indication (Volume Adjustment)
- BAS (Bass Adjustment)
- TRE (Treble Adjustment)
- BAL (Balance Adjustment)
- FAD (Fader Adjustment)

**Advice**

• When bass, treble, balance and fader adjustments are made, a beep will be heard at the center position. The adjustment mode is canceled approximately 5 seconds after an adjustment is made.

Adjusting Bass

**Adjusting Bass**

Select the bass adjustment mode. Bass intensity is gradually increased by turning dial [4] to the right, and decreased by turning dial [4] to the left. (Display shows "BAS -6" ~ "BAS 6".)

**Adjusting Treble**

Select the treble adjustment mode. Treble intensity is gradually increased by turning dial [4] to the right, and decreased by turning dial [4] to the left. (Display shows "TRE -6" ~ "TRE 6".)

**Adjusting Balance**

Select the balance adjustment mode. The balance is gradually changed to left speaker sound only, by turning dial [4] to the left, and to right speaker sound only, by turning it to the right. (Display shows "BAL L9" ~ "BAL R9".)

**Adjusting the Fader**

Select the fader adjustment mode. The balance is gradually changed to front speaker sound only, by turning dial [4] to the right, and to rear speaker sound only, by turning it to the left. (Display shows "FAD F9" ~ "FAD R9".)

**Advice**

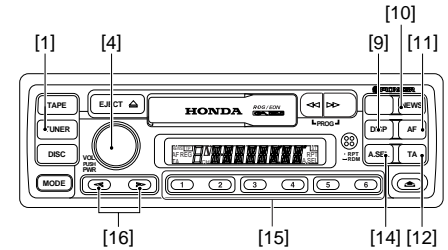
- When a two-speaker system is used, you should set "FAD 0".

**OTHER FUNCTION**

**Illumination**

The radio illumination is linked to the car light switch, and the button area lights up when the car lights are turned on.

**USING THE RADIO**



**LISTENING TO**

**THE RADIO** ..... [1] [4]

When button [1] is pressed, the radio power is turned on and the Band and Frequency are displayed. To turn the radio off, press button [4].

**CHANGING THE BAND** ..... [1]

The band is selected by pressing button [1] repeatedly. Each time the button is pressed, the band changes in the following order.

U1 (FM1) – U2(FM2) – UT(FMT) – M/L(MW/LW)

**AUTOMATIC TUNING** ..... [16]

The radio automatically tunes in to a station with a strong signal above a certain level. Press (<) or (>) button [16].

**MANUAL TUNING** ... [12] [16]

This is useful for tuning in to a station with a very weak signal that cannot be picked up with automatic tuning.

1. Continue pressing button [12] for 2 or more seconds. (Until you hear a beep.)
2. Select a station by pressing the < or > side of button [16].

If you do not press a button for more than 10 seconds, you will hear a beep and automatically be returned to AUTOMATIC TUNING mode.

**Advice**

- When returning to automatic tuning, continue pressing button [12] for 2 seconds or more once again. (Until you hear a beep.)

**MEMORIZING STATIONS (PRESET MEMORY)**

A selected station is memorized in one of buttons [15].

**Memorizing a Station** ..... [15]

Choose one of buttons [15], and hold it down until you hear a beep (about 2 seconds). The preset number will light, and the station will be memorized in the chosen button.

**Advice**

- The radio cannot be heard while the button is being held down.

**Recalling a Station** ..... [15]

When the button [15] is pressed again after a station has been memorized, the radio will be tuned to the station stored in that button. The number of the pressed button lights in on the display.

**AUTO SELECT** ..... [1] [14]

Broadcasts of high output stations can be memorized in button [15] of UT (FMT) band according to the following procedure.

1. Press button [1] to switch over band to U1, U2 or UT.
2. Press button [14] to start automatic memorization of high output stations. Through automatic memorization operation, "A.SEL" is displayed. (A-SEL flashes)

**Advice**

- There is no audio output in automatic memorizing operation.
- When automatic memorization is started with U1/U2 band, the same is performed for UT band that is automatically switched on to follow U1 and U2 bands.
- Automatic memorization cannot be activated for MW and LW bands.

3. With completion of general automatic memorization, "A.SEL" goes out and the radio receives broadcast of the highest output station.

**Advice**

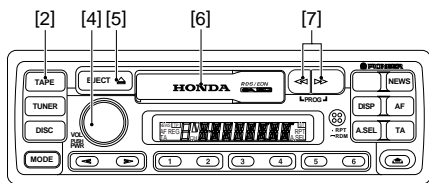
- When the set fails in finding the especially highest output station out of memorized stations, "0" appears on the display.
- In the case memorized stations are five or less in number, the display indicates "0" when button [15] in which no station is memorized is pressed.

**OTHER FUNCTIONS**

**Stereo Indicator**

When the radio is tuned to an FM stereo station, "ST" will be displayed.

## USING THE TAPE DECK



### BEFORE USING THE TAPE DECK

#### About Cassette Tape

- Tapes used should be no longer than C-90 (90 minutes). Tapes of longer length than that, such as C-120, may damage the tape drive mechanisms.
- Cassettes with loose or wavy labels on them may damage the unit's eject mechanism, which will prevent the cassette from being removed. Do not use cassettes like these or remove the labels from them.
- Don't store cassette tapes where they would be exposed to direct sunlight or subject to high temperatures. That may warp the cassettes and tapes and cause damage to the tape feed mechanisms.



- When not listening to tapes, place them in the cassette case for storage to prevent them from getting bent or dusty.

#### Cleaning the Head

The head is the all important sound pickup. If the head gets dirty, sound reproduction will be poor and the tape itself may be damaged. Periodically, once or twice a month clean the head with a cleaning tape to remove all dirt.

- Before using a cleaning tape available on the market, thoroughly read the instructions that come with it and any other cautions that may be written on the cleaning tape.

#### LISTENING

TO A TAPE ... [4] [2] [5]

When a cassette is inserted in the cassette door [6], it is loaded and starts playing automatically. The tape direction Ⓢ and TAPE Ⓣ indications are displayed. To stop tape playback,

press button [4], and to start tape playback again, press button [2]. To eject the cassette, press button [5].

Changing Program ..... [7]   
 Pressing the two [7] buttons simultaneously will switch from side A to side B of the tape (or vice versa). "▲" Ⓢ on the display means that side A is being played, and "▼", side B.

### USING FAST FORWARD AND REWIND ..... [7]

When playing side A ("▲" Ⓢ lit) Press the ►► side of button [7] to fast-forward, and the ◀◀ side to rewind.

When playing side B ("▼" Ⓢ lit) Press the ◀◀ side of button [7] to fast-forward, and the ►► side to rewind.

#### Advice

- Fast-forward/rewind can be canceled by lightly pressing the opposite button to the one pressed.

## SPECIFICATIONS

### GENERAL

Power source .....13.2 V DC (10.8 — 15.2 V allowable)  
 Grounding system.....Negative type  
 Max. current consumption .....15 A  
 Dimensions (chassis) .....178 (W) × 50 (H) × 160 (D) mm  
 (nose) .....190 (W) × 60 (H) × 11.8 (D) mm  
 Weight .....1.3 kg

### AMPLIFIER

Maximum power output .....25 W × 4  
 Continuous power output .....14 W × 4  
 (DIN453241, +B = 14.4 V)  
 Load impedance.....4 Ω (4 — 8 Ω allowable)  
 Tone controls (bass) .....±12 dB (100 Hz)  
 (treble).....±12 dB (10 kHz)

### TAPE PLAYER

Tape .....Compact cassette tape (C-30 — C-90)  
 Tape speed .....4.76 cm/sec.(+0.14cm/sec., -0.05cm/sec.)  
 Fast forward/rewind time .....Approx. 100 sec. for C-60  
 Wow & flutter .....0.13% (WRMS)  
 Frequency response .....40 — 14,000 Hz (±3 dB)  
 Stereo separation .....45 dB  
 S/N ratio.....52 dB (IEC-A network)

### FM TUNER

Frequency range.....87.5 — 108 MHz  
 Usable sensitivity.....11 dBf (mono. S/N: 30 dB)  
 50 dB quieting sensitivity.....16 dBf (mono)  
 S/N ratio.....70 dB (IEC-A network)  
 Distortion.....0.3% (at 65 dBf, 1 kHz, stereo)  
 Stereo separation.....40 dB (at 65 dBf, 1 kHz)

### MW TUNER

Frequency range.....531 — 1,602 kHz  
 Usable sensitivity .....25 dBμV (S/N: 20dB)  
 Selectivity .....50 dB (±9 kHz)

### LW TUNER

Frequency range.....153 — 281 kHz  
 Usable sensitivity .....30 dBμV (S/N: 20 dB)  
 Selectivity .....50 dB (±9 kHz)

#### Note:

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