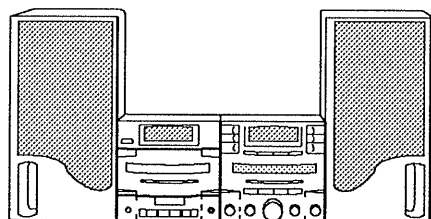


aiwa

LCX - 01



COMPACT DISC STEREO SYSTEM

- BASIC TAPE MECHANISM : α - 14MK II
- BASIC CD MECHANISM : KSL - 2101ABM
- TYPE. H, LH, U, E, K, HD

SYSTEM	CD PLAYER/ TUNER	CASSETTE DECK/ AMPLIFIER	SPEAKERS	REMOTE CONTROLLER
LCX - 01	RDX - 01	FX - 01	SX - 01	RC - 01

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SPECIFICATIONS

Tuner section

Frequency ranges	LCX-01 U, LH FM: 87.5-108.0 MHz AM: 530/531-1710/1602 kHz (10/9 kHz step) LCX-01 H FM: 87.5-108.0 MHz AM: 531/530-1602/1600 kHz (9/10 kHz step) LCX-01 E, K FM: 87.5-108.0 MHz MW: 522/530-1611/1600 kHz (9/10 kHz step) LW: 153-288 kHz LCX-01 HD: FM/TV (1-3CH): 76-108 MHz AM: 522/530-1.629/1.710 kHz (9/10 kHz step)
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Antennas

LCX-01 U, LH, H, HD:
Feeder antenna for FM
Loop antenna for AM
LCX-01 E, K:
Feeder antenna for FM
Loop antenna for MW and LW

Amplifier section

Power output	LCX-01 H, LH, HD: 20 W+20 W (5 ohms, T. H. D. 10 % 1 kHz) LCX-01 E: 12 W+12 W (5 ohms, T. H. D. 1 % 1 kHz) LCX-01 K: 12 W+12 W (5 ohms, T. H. D. 1 % 1 kHz) 15 W+15 W (5 ohms, T. H. D. 10 % 1 kHz) LCX-01 U: FTC Rule 15 watts per channel, Min RMS at 5 ohms, from 60 Hz to 20 kHz with no more than 3 % distortion.
Input sensitivity (load impedance)	AUX/DAT/MD/DCC 775 mV (47 k ohms)

Cassette deck section

Track format	4 tracks/2 channels
Recording system	AC bias
Erase system	AC erase
Tape speed	4.8 cm/sec. (1 7/8 ips)
Motor	DC servomotor (1)
Heads	Recording/Playback/Erase head (1)
Frequency response	Normal tape (Recording/Playback): 40-15,000 Hz CrO ₂ tape (Recording/Playback): 40-16,000 Hz Metal tape (Playback only): 50-16,000 Hz

CD player section

Disc	Compact disc
Scanning method	Non contact optical scanner (semiconductor laser application)
Laser	Semiconductor laser $\lambda = 780 \text{ nm}$

Rotation speed	Approx. 500-200 rpm/CLV
Error correction	Cross Interleave, Reed Solomon Code
No. of channels	2 channels
D.A. conversion	16 bit linear
Frequency response	20 Hz-20,000 Hz $\pm 2 \text{ dB}$

Speaker

Cabinet type	Bass reflex
Speaker	130 mm (5 1/8 in.) cone type woofer 50 mm (2 in.) cone type tweeter
Impedance	5 ohms
Music power	25 W
Output sound pressure level	88 dB/W/m

General

Power source	LCX-01 U: AC 120 V/220-240 V (switchable), 50/60 Hz LCX-01 H, LH: AC 110-120 V/220-240 V (switchable), 50/60 Hz LCX-01 E: AC 230 V, 50 Hz LCX-01 K: AC 240 V, 50 Hz LCX-01 HD: AC 100-120V/220-240V (switchable), 50/60 Hz
Power consumption	LCX-01 H, LH, HD: 48 W LCX-01 U: 60 W LCX-01 E, K: 115 W
Dimensions (W x H x D)	FX-01 (Cassette deck/Amplifier unit): 148 x 146 x 260 mm (5 7/8 x 5 6/8 x 10 1/4 in.) RDX-01 (CD player/Tuner unit): 148 x 146 x 220 mm (5 7/8 x 5 6/8 x 8 5/8 in.) SX-01 (Speaker): 146 x 292 x 200 mm (5 6/8 x 11 4/8 x 7 7/8 in.)
Weight	FX-01: 3.5 kg (7.7 lbs.) RDX-01: 2.0 kg (4.4 lbs.) SX-01: 2.5 kg (5.5 lbs.)

- Design and specifications are subject to change without notice.
- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.
- The word "BBE" and the "BBE symbol" are trademarks of BBE Sound, Inc.
Under license from BBE Sound, Inc.

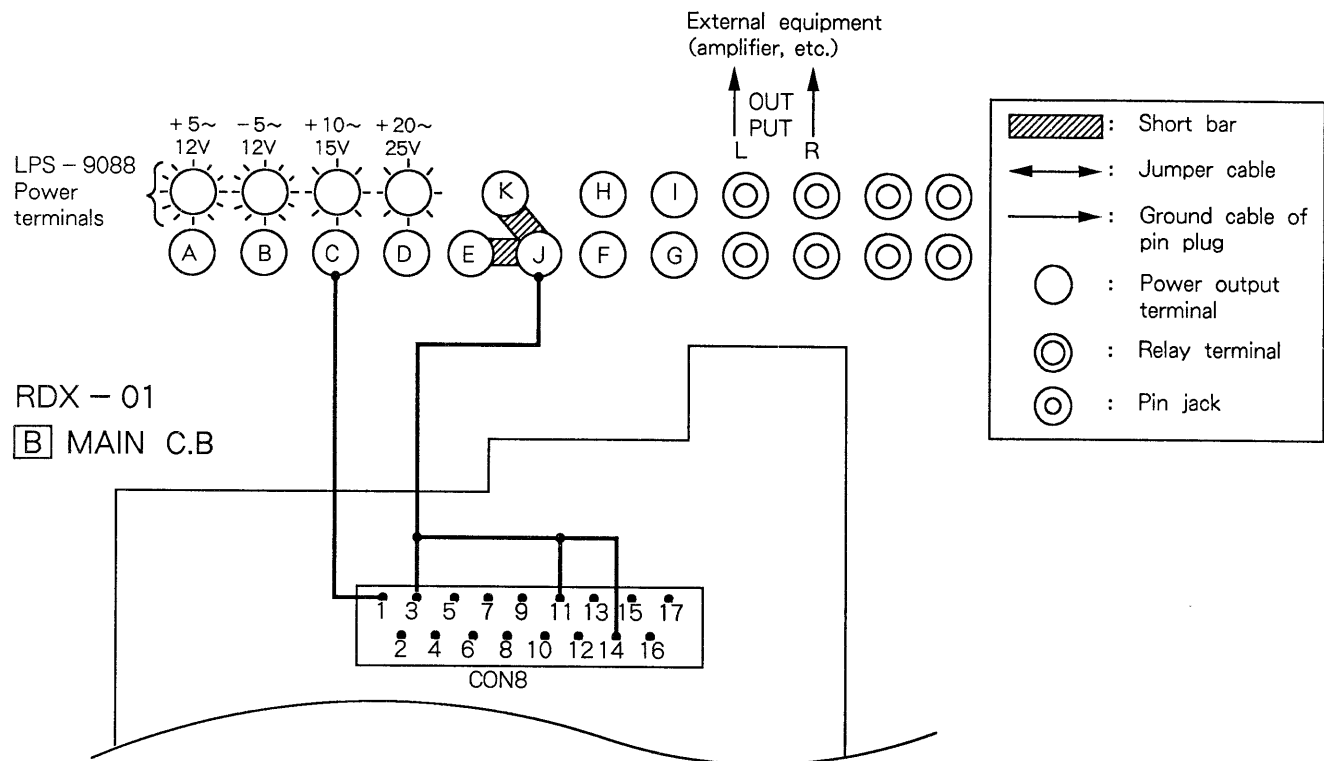
CAUTIONS WHEN SERVICING

FX-01 :

FX-01 has a power supply circuit, but it has no power switch. So, when attempting to repair FX-01, connect a resistor of 10K to 100K Ω between pin① (DC 16V) and pin⑦ (PWR CONT) of the FG cable (CON8).

RDX-01 :

RDX-01 has no power supply circuit. It receives power through 17-pin FG cable together with input and output signals. When repairing RDX-01, connect the cable to FX-01. If FX-01 is not available, connect the multi-power supply (LSP-9088) with pin① (DC 16V), pin③ (PWR GND), pin⑩ (V GND) and pin⑭ (A GND) of the FG cable (CON8) as follows.

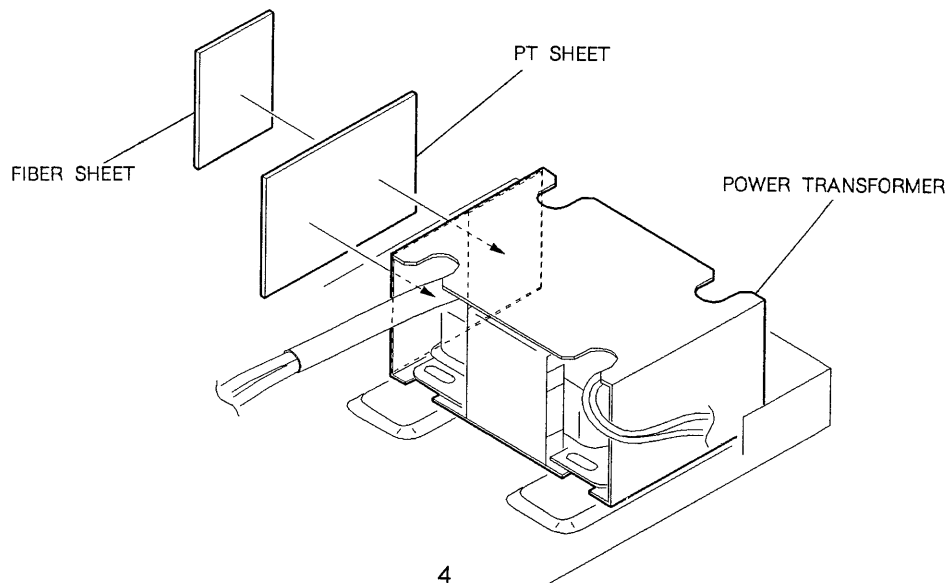


Caution when replacing the power transformer

When replacing the power transformer (PT101), the PT and fiber sheets must be replaced with new.

Peel the protection tape of the PT and fiber sheets. Paste the PT sheet first, and then fiber sheet at the position as illustration shown.

(Take care not to touch the AC cord to frame of the power transformer directly.)



DISASSEMBLY INSTRUCTIONS (FX - 01)

1. "Cabinet, Steel" Removal (See Figure - 1)

- 1) Remove the 5 screws (A) and remove the "Cabinet, Steel".

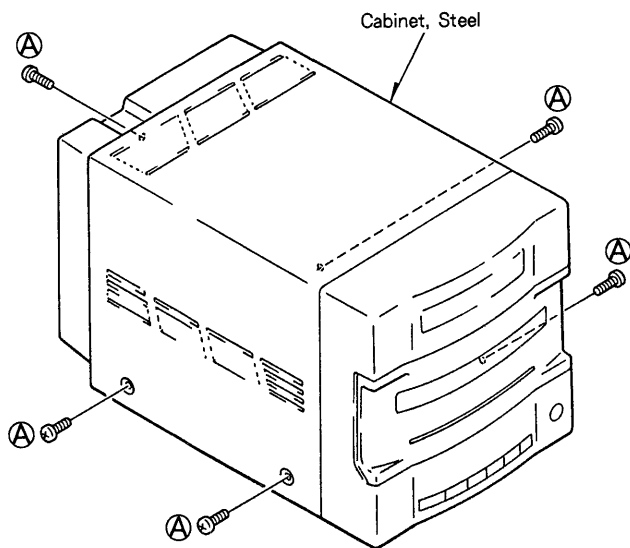


Fig - 1

2. "Board, PT" and "Board, Deck" Removal (See Figure - 2)

- 1) Remove the 2 screws (A) and disconnect the 2 connectors (PIN2, PIN3). Then remove the "Board, PT".
- 2) Remove the 2 screws (B) and disconnect the connector (PIN 5). Then remove "Board, Deck".

Note)

Connect the LCX-01 (FX-01) extension jig kit to the places a and b in the figure.

Part name	Part No.	Component
LCX-01 (FX-01) extension jig kit	09-001-247-010	Jig kit
	09-001-248-010	P.C.B ASSY

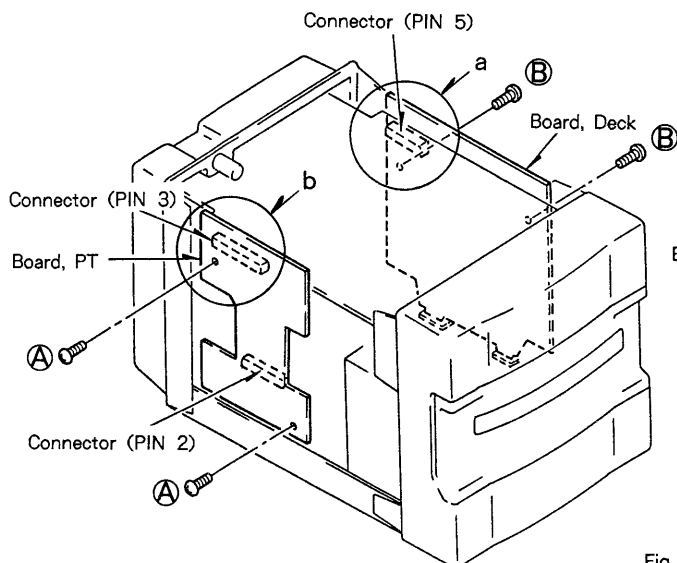


Fig - 2

3. "Board, Main" Removal (See Figure - 3)

- 1) Remove the 5 screws (A×2, B×2, C×1) and disconnect the 3 connectors (CON4, PIN7, PIN6). Then remove "Board, Main".

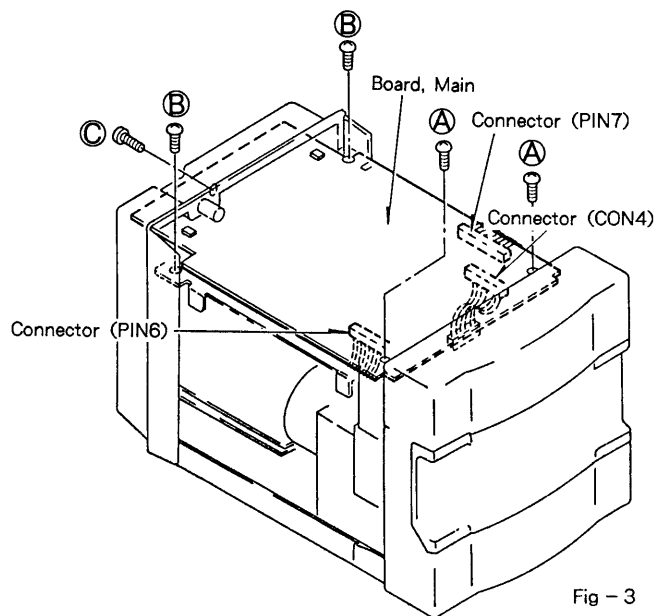


Fig - 3

4. "Cabinet, Front" Removal (See Figure - 4)

- 1) Remove the 4 screws (A) and remove "Cabinet, Front".

5. "Board, Power" Removal (See Figure - 4)

- 1) Remove the 4 screws (B×3, C×1) and remove "Board, Power".

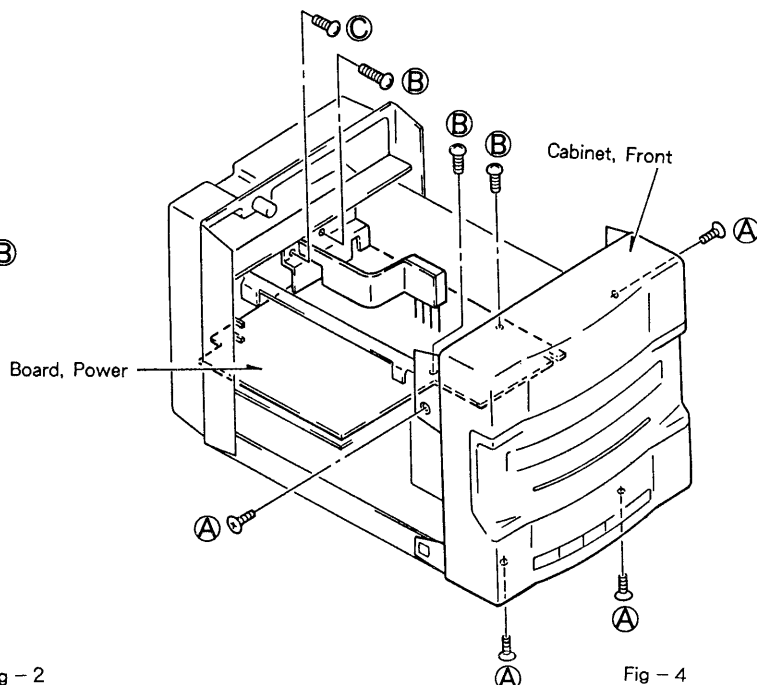


Fig - 4

ELECTRICAL MAIN PARTS LIST (FX - 01)

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
===IC===			C246	★87-010-401-019	CAP, ELECT 1-50 SME
87-001-441-019	IC, BA10358N		△FR201	87-029-105-019	RES, FUSE 10-1/2W FM
87-001-440-019	IC, BA15218N		△FR202	87-029-125-019	RES, FUSE 1-1/4W (H, LH, U, HD)
87-002-454-019	IC, BA3126N		△FR203	87-029-015-019	RES, FUSE 10-1/4W FM (H, LH, U, HD)
87-002-669-010	IC, GP1U571X (REMOTE SENSOR)		△FR204	87-029-108-019	RES, FUSE 1.0-1/2W FM
87-001-874-019	IC, HA12134A		△FR205	87-029-108-019	RES, FUSE 1.0-1/2W FM
△87-001-132-019	IC, ICP-N38 (U, E, K)		L201	★87-003-149-019	COIL 47UH
△87-002-330-019	IC, ICP-N5 (E, K)		L202	★87-008-302-019	FILTER EMI BL 01RNI
87-027-539-019	IC, LA3161		SFR201	★87-024-175-019	SFR, 47K DIA6 V
87-020-135-019	IC, LB1403N		SFR202	★87-024-175-019	SFR, 47K DIA6 V
87-001-334-010	IC, LB9051A		X201	★87-030-203-019	VIB, CERAMIC KBR4. 19MKS
81-NWB-613-010	IC, LC6543H-4882		===DECK CIRCUIT BOARD SECTION===		
87-002-226-019	IC, TA8220H		C401	★87-018-128-019	CAP, CERA-SOL SS 560P-50 B
===TRANSISTOR===			C402	★87-018-128-019	CAP, CERA-SOL SS 560P-50 B
89-112-965-019	TRANSISTOR, 2SA1296GR		C403	★87-010-402-019	CAP, ELECT 2.2-50 SME
87-026-463-019	TRANSISTOR, 2SA933S (RS)		C404	★87-010-402-019	CAP, ELECT 2.2-50 SME
89-109-521-019	TRANSISTOR, 2SA952K		C407	★87-010-374-019	CAP, ELECT 47-10
89-212-923-019	TRANSISTOR, 2SB1292F		C408	★87-010-374-019	CAP, ELECT 47-10
89-212-892-019	TRANSISTOR, 2SB1289E		C409	★87-010-405-019	CAP, ELECT 10-50 SME
87-026-462-019	TRANSISTOR, 2SC1740S (RS)		C410	★87-010-405-019	CAP, ELECT 10-50 SME
89-320-011-019	TRANSISTOR, 2SC2001K		C413	★87-010-404-019	CAP, ELECT 4.7-50 SME
89-333-317-019	TRANSISTOR, 2SC3331TU		C414	★87-010-404-019	CAP, ELECT 4.7-50 SME
89-420-053-019	TRANSISTOR, 2SD2005R		C415	★87-010-405-019	CAP, ELECT 10-50 SME
89-420-611-019	TRANSISTOR, 2SD2061E F		C416	★87-010-405-019	CAP, ELECT 10-50 SME
87-026-216-019	TRANSISTOR, DTA124ES		C417	★87-010-545-019	CAP, ELECT 0.22-50 SME
87-026-290-019	TRANSISTOR, DTA124XS		C418	★87-010-545-019	CAP, ELECT 0.22-50 SME
87-026-464-019	TRANSISTOR, DTC114TS		C419	★87-010-401-019	CAP, ELECT 1-50 SME
87-026-217-019	TRANSISTOR, DTC124ES		C420	★87-010-382-019	CAP, ELECT 22-25 SME
87-026-291-019	TRANSISTOR, DTC124XS		C421	★87-010-263-019	CAP, ELECT 100-10
87-026-218-019	TRANSISTOR, DTC144ES		C422	★87-010-382-019	CAP, ELECT 22-25 SME
===DIODE===			C423	★87-018-111-019	CAP, CERA-SOL SS 27P-50 SL
87-001-783-019	DIODE 1N4002-T		C424	★87-018-111-019	CAP, CERA-SOL SS 27P-50 SL
87-020-465-019	DIODE 1SS133 T-72		C425	★87-010-401-019	CAP, ELECT 1-50 SME
87-002-592-019	DIODE RS802		C426	★87-010-401-019	CAP, ELECT 1-50 SME
87-027-417-019	DIODE, ZENER HZ11A1L		C427	★87-010-405-019	CAP, ELECT 10-50 SME
87-027-368-019	DIODE, ZENER HZ12B1L		C428	★87-010-405-019	CAP, ELECT 10-50 SME
87-027-469-019	DIODE, ZENER HZ16-2		C429	★87-010-401-019	CAP, ELECT 1-50 SME
87-020-467-019	DIODE, ZENER HZ2BLL		C430	★87-010-374-019	CAP, ELECT 47-10
87-027-332-019	DIODE, ZENER HZ6B1L		C431	★87-010-401-019	CAP, ELECT 1-50 SME
87-027-584-019	DIODE, ZENER HZ9C1L		C432	★87-010-401-019	CAP, ELECT 1-50 SME
===MAIN CIRCUIT BOARD SECTION===			C433	★87-018-131-019	CAP, CERA-SOL SS 1000P-50 B
C201	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C434	★87-018-131-019	CAP, CERA-SOL SS 1000P-50 B
C202	★87-010-384-019	CAP, ELECT 100-25 SME	C435	★87-010-405-019	CAP, ELECT 10-50 SME
C203	★87-010-374-019	CAP, ELECT 47-10	C436	★87-010-405-019	CAP, ELECT 10-50 SME
C204	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C437	★87-010-401-019	CAP, ELECT 1-50 SME
C205	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C438	★87-010-401-019	CAP, ELECT 1-50 SME
C206	★87-010-371-019	CAP, ELECT 470-6.3	C439	★87-018-131-019	CAP, CERA-SOL SS 1000P-50 B
C207	★87-010-374-019	CAP, ELECT 47-10	C440	★87-018-131-019	CAP, CERA-SOL SS 1000P-50 B
C209	★87-010-263-019	CAP, ELECT 100-10	C445	★87-018-121-019	CAP, CERA-SOL SS 150P-50 B
C210	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C446	★87-018-121-019	CAP, CERA-SOL SS 150P-50 B
C211	★87-010-248-019	CAP, ELECT 220-10 SME	C447	★87-018-200-019	CAP, CERA-SOL SS 3900P-16X
C212	★87-010-401-019	CAP, ELECT 1-50 SME	C448	★87-018-200-019	CAP, CERA-SOL SS 3900P-16X
C217	★87-010-384-019	CAP, ELECT 100-25 SME	C449	★87-010-374-019	CAP, ELECT 47-10
C218	★87-010-401-019	CAP, ELECT 1-50 SME	C450	★87-014-077-019	CAP, PP 6800P-100 J
C219	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C451	★87-018-122-019	CAP, CERA-SOL SS 180P-50 B
C221	★87-010-248-019	CAP, ELECT 220-10 SME	C452	★87-018-122-019	CAP, CERA-SOL SS 180P-50 B
C225	★87-010-401-019	CAP, ELECT 1-50 SME	C453	★87-010-263-019	CAP, ELECT 100-10
C226	★87-010-401-019	CAP, ELECT 1-50 SME	C454	★87-010-384-019	CAP, ELECT 100-25 SME
C227	★87-010-382-019	CAP, ELECT 22-25 SME	C456	★87-018-133-019	CAP, CERA-SOL SS 4700P-16 X
C229	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C458	★87-010-263-019	CAP, ELECT 100-10
C230	★87-010-265-019	CAP, ELECT 33-16 SME	C459	★87-018-131-019	CAP, CERA-SOL SS 1000P-50 B
C232	★87-010-404-019	CAP, ELECT 4.7-50 SME	C460	★87-018-131-019	CAP, CERA-SOL SS 1000P-50 B
C233	★87-010-402-019	CAP, ELECT 2.2-50 SME	C461	★87-018-116-019	CAP, CERA-SOL SS 56P-50 SL
C234	★87-010-402-019	CAP, ELECT 2.2-50 SME	C462	★87-018-116-019	CAP, CERA-SOL SS 56P-50 SL
C245	★87-010-405-019	CAP, ELECT 10-50 SME	C463	★87-018-133-019	CAP, CERA-SOL SS 4700P-16 X
			C464	★87-018-133-019	CAP, CERA-SOL SS 4700P-16 X
			L403	★87-005-526-019	COIL 5.6MMH-J

REF. NO.	PART NO.	DESCRIPTION
L404	★87-005-526-019	COIL 5.6MMH-J
L405	★87-005-525-019	COIL 22MMH-J
L406	★87-005-525-019	COIL 22MMH-J
L407	★80-CD3-620-019	COIL BIAS OSC
SFR401	★87-024-173-019	SFR, 22K DIA6 V
SFR402	★87-024-173-019	SFR, 22K DIA6 V
SFR403	★87-024-172-019	SFR, 10K DIA6 V
SFR404	★87-024-172-019	SFR, 10K DIA6 V
SFR405	★87-024-171-019	SFR, 4.7K DIA6 V
SFR406	★87-024-173-019	SFR, 22K DIA6 V
===POWER CIRCUIT BOARD SECTION===		
△	★87-033-213-019	CLAMP, FUSE SMK (U, E, K)
C105	★87-010-403-019	CAP, ELECT 3.3-50 SME
C106	★87-010-403-019	CAP, ELECT 3.3-50 SME
C107	★87-018-131-019	CAP, CERA-SOL SS 1000P-50 B
C108	★87-018-131-019	CAP, CERA-SOL SS 1000P-50 B
C109	★87-010-265-019	CAP, ELECT 33-16 SME
C110	★87-010-265-019	CAP, ELECT 33-16 SME
C111	★87-010-402-019	CAP, ELECT 2.2-50 SME (H, LH, U, HD)
C111	★87-010-400-019	CAP, ELECT 0.47-50 SME (E, K)
C112	★87-010-402-019	CAP, ELECT 2.2-50 SME (H, LH, U, HD)
C112	★87-010-400-019	CAP, ELECT 0.47-50 SME (E, K)
C113	★87-010-404-019	CAP, ELECT 4.7-50 SME
C114	★87-010-404-019	CAP, ELECT 4.7-50 SME
C115	★87-010-405-019	CAP, ELECT 10-50 SME
C116	★87-010-405-019	CAP, ELECT 10-50 SME
C121	★87-010-248-019	CAP, ELECT 220-10 SME
C122	★87-010-260-019	CAP, ELECT 47-25 SME
C125	★87-010-388-019	CAP, ELECT 1000-25V SME (H, LH, U, HD)
C125	★87-016-135-019	CAP, ELECT 1000-25 KME (E, K)
C126	★87-015-577-019	CAP, ELECT 6800-35VR (H, LH, U, HD)
C126	★87-016-190-019	CAP, ELECT 4700-35 105KME (E, K)
C133	★87-010-404-019	CAP, ELECT 4.7-50 SME
C134	★87-010-404-019	CAP, ELECT 4.7-50 SME
C135	★87-010-405-019	CAP, ELECT 10-50 SME
C136	★87-010-405-019	CAP, ELECT 10-50 SME
C137	★87-010-405-019	CAP, ELECT 10-50 SME
C138	★87-010-405-019	CAP, ELECT 10-50 SME
△F101	87-035-432-010	FUSE, 7A 125V LEAD (H, LH, HD)
△F101	87-035-371-019	FUSE, 6.3A 125V UL/D (U)
△F101	87-035-351-010	FUSE, T 6.3A (E, K)
R131	★87-025-329-019	RES, NF 2.2-1/4W
R132	★87-025-329-019	RES, NF 2.2-1/4W
R133	★87-025-329-019	RES, NF 2.2-1/4W
R134	★87-025-329-019	RES, NF 2.2-1/4W

===PT CIRCUIT BOARD SECTION===

△	★82-033-213-019	CLAMP, FUSE SMK
	★82-304-743-019	TERMINAL 1P
△F102	87-035-390-019	FUSE, 1.6A 250V A-RUSH (H, LH, HD)
△F102	87-035-372-010	FUSE, 1.6A 250V UL (U)
△F102	87-035-221-019	FUSE, 800mA T (E, K)
△PT101	81-NWB-631-019	POWER TRANSFORMER H (H, LH, HD)
△PT101	81-NWB-629-019	POWER TRANSFORMER U (U)
△PT101	81-NWB-630-019	POWER TRANSFORMER E (E)
△PT101	81-NWB-632-019	POWER TRANSFORMER K (K)

===DISPLAY CIRCUIT BOARD SECTION===

C601	★87-010-405-019	CAP, ELECT 10-50 SME
C602	★87-010-405-019	CAP, ELECT 10-50 SME
LED601	87-002-851-019	LED SLB 55YY (-∞)
LED602	87-002-851-019	LED SLB 55YY (-∞)
LED603	87-002-851-019	LED SLB 55YY (-14)
LED604	87-002-851-019	LED SLB 55YY (-14)
LED605	87-002-851-019	LED SLB 55YY (-8)
LED606	87-002-851-019	LED SLB 55YY (-8)

REF. NO.	PART NO.	DESCRIPTION
LED607	87-002-851-019	LED SLB 55YY (-4)
LED608	87-002-851-019	LED SLB 55YY (-4)
LED609	87-002-851-019	LED SLB 55YY (□□10)
LED610	87-002-851-019	LED SLB 55YY (□□10)
LED611	87-002-851-019	LED SLB 55YY (+2)
LED612	87-002-851-019	LED SLB 55YY (+2)
LED613	87-001-704-019	LED SLB 55MG (◀REV)
LED614	87-001-704-019	LED SLB 55MG (▶FWD)
LED615	87-001-705-019	LED SLB 55VR (REC)
LED616	87-002-851-019	LED SLB 55YY (PAUSE)
LED617	87-001-704-019	LED SLB 55MG (DOLBY NR)

===KEY DECK CIRCUIT BOARD SECTION===

S701	★87-036-215-019	TACT SW (DOLBY NR)
S702	★87-036-215-019	TACT SW (●REC)
S703	★87-036-215-019	TACT SW (◀◀)
S704	★87-036-215-019	TACT SW (◀▶▶▶PLAY/DIR)
S705	★87-036-215-019	TACT SW (▶▶)
S706	■87-036-215-019	TACT SW (■STOP/DIR)
S707	★87-036-215-019	TACT SW (■PAUSE)

===LED CIRCUIT BOARD SECTION===

LED701	★87-002-811-010	LED GL1HY111 (CASSETTE BOX BACK LIGHT)
LED702	★87-002-811-010	LED GL1HY111 (CASSETTE BOX BACK LIGHT)
LED703	★87-002-811-010	LED GL1HY111 (CASSETTE BOX BACK LIGHT)
LED704	★87-002-811-010	LED GL1HY111 (CASSETTE BOX BACK LIGHT)
LED705	★87-002-811-010	LED GL1HY111 (CASSETTE BOX BACK LIGHT)
LED706	★87-002-811-010	LED GL1HY111 (CASSETTE BOX BACK LIGHT)

===HP CIRCUIT BOARD SECTION===

J101	★87-009-216-019	JACK DIA 3.5 STS (PHONES)
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===MECHA CIRCUIT BOARD SECTION===

SOL1	★86-575-622-019	SOLENOID ASSY (FR)
SOL2	★86-575-622-019	SOLENOID ASSY (PLAY)
SW1	87-036-110-019	PUSH SW (Cr02)
SW2	87-036-110-019	PUSH SW (REB)
SW3	86-575-632-010	FR SW (FR)
SW4	87-036-110-019	PUSH SW (PLAY)
SW5	87-036-110-019	PUSH SW (CST)
SW6	87-036-109-019	PUSH SW (REA)

===RELAY CIRCUIT BOARD SECTION===

===REG CIRCUIT BOARD SECTION===

===AC SW CIRCUIT BOARD SECTION (EXCEPT E, K)===

△S101	87-031-780-019	SW, SLIDE (AC VOLTAGE)
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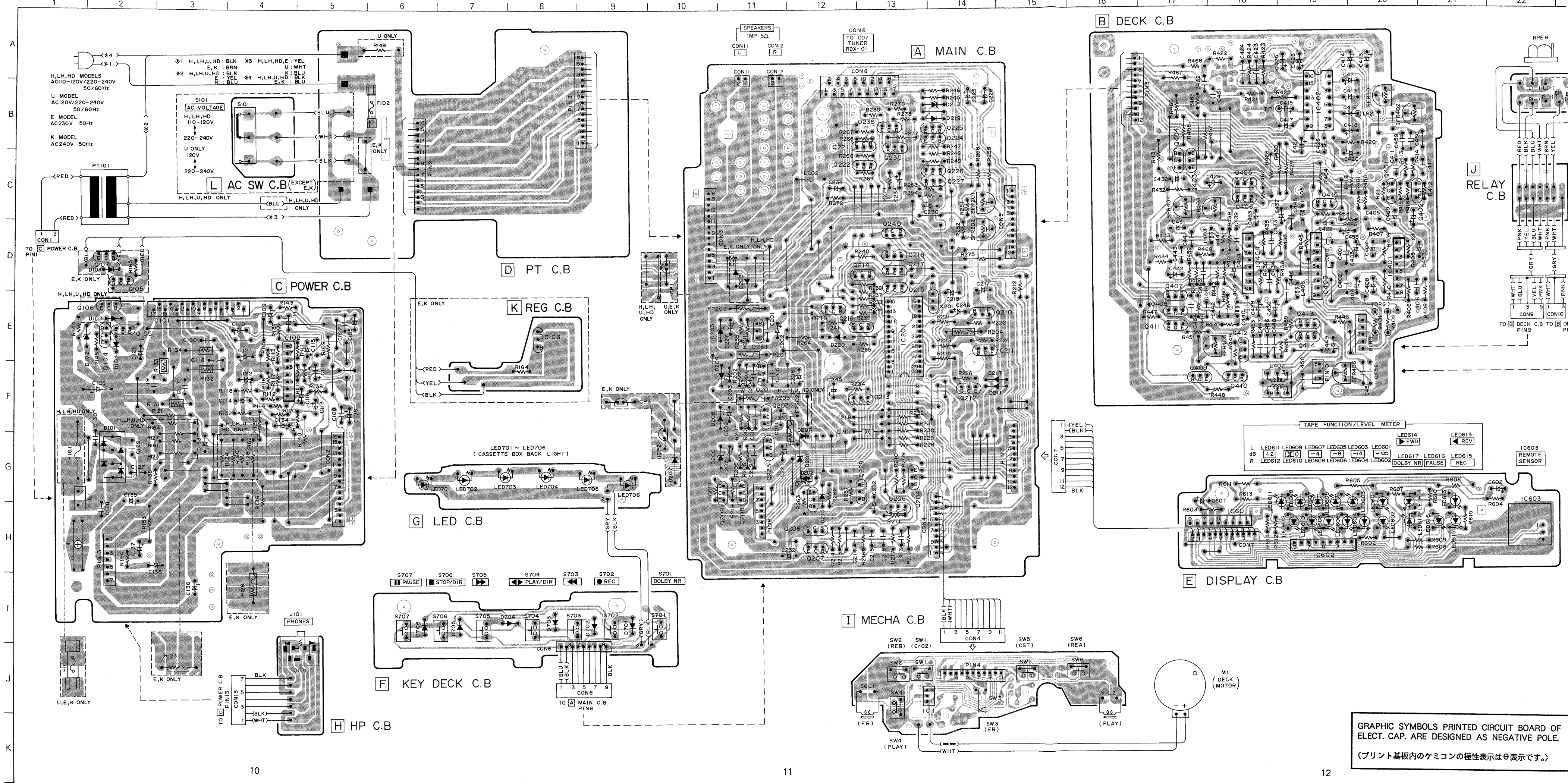
===MISCELLANEOUS===

△	★87-034-761-010	AC CORD, H 2M OFC BLK (H, LH, HD)
△	★87-034-584-019	AC CORD, U SPT-2 (U)
△	★82-187-797-019	AC CORD E (E)
△	★82-187-796-019	AC CORD BS (K)
△	★87-085-184-019	BUSHING, AC CORD D (H, LH, HD)
△	★87-085-189-010	BUSHING, AC CORD U (U)
△	★87-085-185-010	BUSHING, AC CORD E (E, K)
CON9	★81-NWB-620-019	CONNECTOR ASSY, 5P RPH
CON10	★81-NWB-621-019	CONNECTOR ASSY, 3P EH
M1	87-045-296-019	MOTOR EG-530 AD, 2B (DECK MOTOR)
RPEH	87-046-356-019	R. P. E HEAD

CAUTION:

Replace the PT and fiber sheets together when replacing the power transformer (PT101) (See page 4).

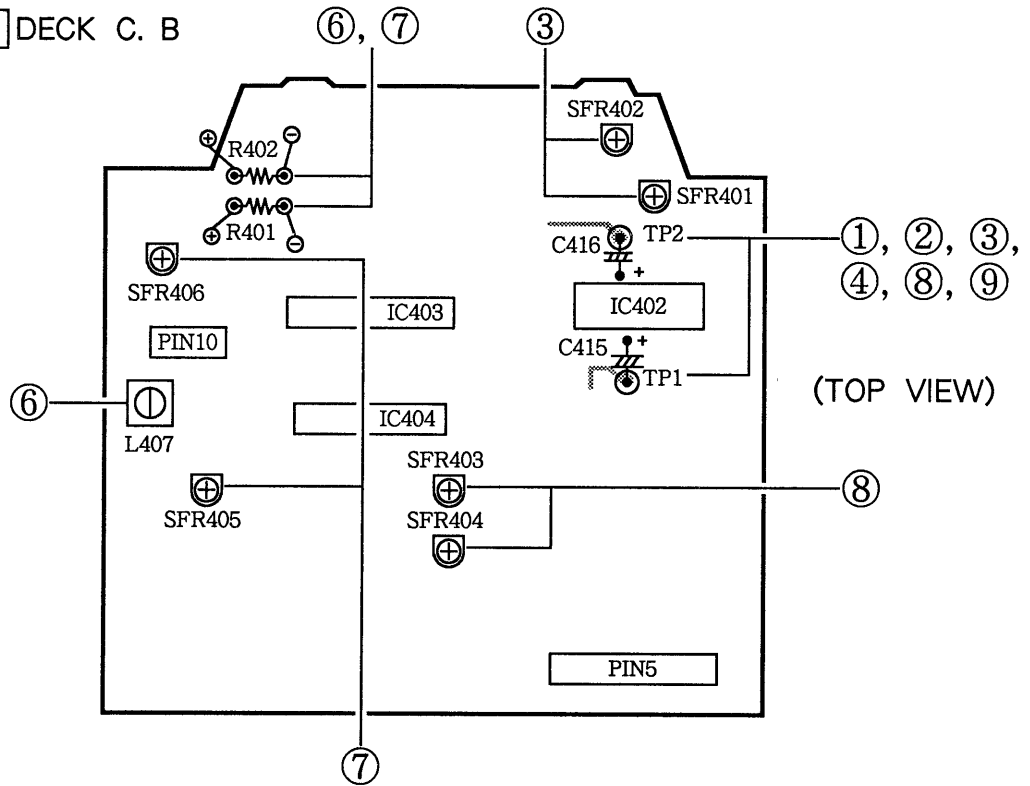




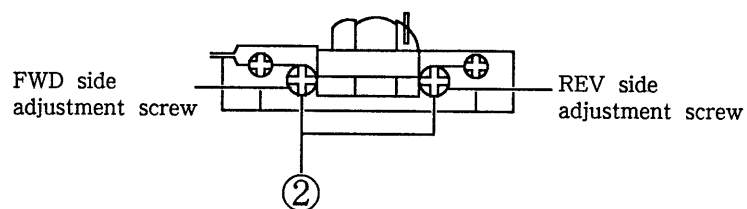
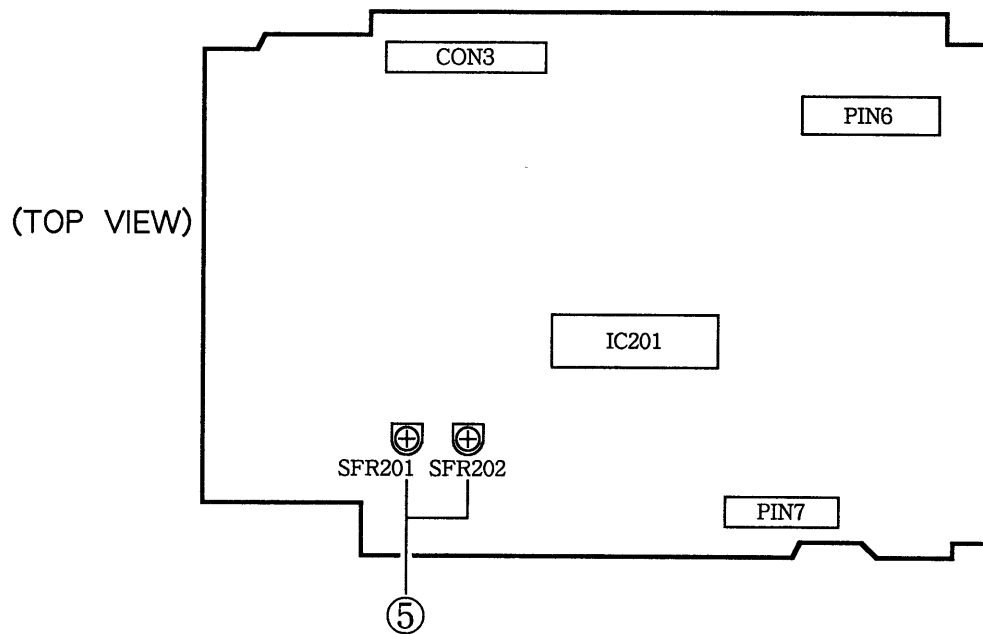
ADJUSTMENT (FX - 01)

(DECK SECTION)

B DECK C. B



A MAIN C. B



1. Tape speed Adjustment
 Settings : • Test tape : TTA-100 (TTA-111S)
 • Test point : TP1 (L ch)
 TP2 (R ch)
 • Adjustment location :
 SFR in deck motor
 Method : Play back the test tape and adjust for
 $3000 \pm 40\text{Hz}$.
2. Head Azimuth Adjustment
 Settings : • Test tape : TTA-310
 (TTA-317E, SCC-1429)
 • Test point : TP1 (L ch)
 TP2 (R ch)
 • Adjustment location :
 Head azimuth
 adjustment screw
 Method : Play back the 10kHz signal of the test tape
 and adjust so that the output becomes
 maximum.
 Next, perform on each FWD PLAY mode
 and REV PLAY mode.
3. PB sensitivity Adjustment
 Settings : • Test tape : TTA-200
 (TCC-130, TTA-161)
 • Test point : TP1 (L ch)
 TP2 (R ch)
 • Adjustment location :
 SFR401 (L ch)
 SFR402 (R ch)
 Method : Play back the test tape and adjust so that
 the output becomes $300 \pm \frac{10}{0} \text{ mV}$.
4. PB Frequency Response Check
 Settings : • Test tape : TTA-310
 (TTA-317E, SCC-1429)
 • Test point : TP1 (L ch)
 TP2 (R ch)
 Method : Play back the 315Hz and 10kHz signals of
 the test tape and check the output of the
 10kHz signal is $0 \pm 2.5\text{dB}$ with respect to
 that of the 315Hz signal.
5. LED level Meter Adjustment
 Settings : • Test tape : TTA-610 (TTA-119H)
 • Test point : TP1, TP2
 • Adjustment location :
 SFR201 (L ch)
 SFR202 (R ch)
 Method : Apply a 1kHz signal to AUX terminal and
 adjust the attenuator so that the level at
 the test point is 300mV. In this condition,
 adjust the SFR to light on the dolby LED.
6. Bias Frequency Adjustment
 Settings : • Test tape : TTA-610 (TTA-119H)
 • Test point : R401 or R402
 • Adjustment location : L407
 Method : Set deck to REC mode and adjust L407 so
 that frequency is $85 \pm 2\text{kHz}$ at the test
 point.
7. Bias Current Adjustment
 Settings : • Test tape : TTA-610 (TTA-119H)
 • Test point : R401 (L ch)
 R402 (R ch)
 • Adjustment location :
 SFR405
 (Level adjustment)
 SFR406
 (Balance adjustment)
 Method : 1) Set deck to REC mode and adjust
 SFR406 so that L and R ch bias level
 are equal.
 2) After balance adjustment, adjust
 SFR405 so that the bias level is
 $58 \pm 1\text{mV}$.
8. REC/PB sensitivity Adjustment
 Settings : • Test tape : TTA-601 (TTA-119K)
 (For adjustment)
 TTA-610 (TTA-119H)
 (For measurement)
 • Test point : TP1 (L ch)
 TP2 (R ch)
 • Adjustment location :
 SFR403 (L ch)
 SFR404 (R ch)
 Method : 1) Apply a signal lowered from 775mV
 (0dB) to -20dB by attenuator to AUX/
 DAT terminal.
 2) Set the adjustment tape, and record and
 play back the 400Hz.
 3) Adjust so that difference between
 record and play back level is within
 $0 \pm 0.5\text{dB}$.
 4) Exchange the tape for measurement,
 and record and play back the 400Hz.
 Check the difference between record
 and play back level is within $0 \pm 1.0\text{dB}$.

PRACTICAL SERVICE FIGURE

9. REC/PB frequency Response Check

- Settings : • Test tape : TTA-601 (TTA-119K)
TTA-610 (TTA-119H)
- Test point : TP1 (L ch)
TP2 (R ch)

- Method : 1) Apply a signal lowered from 775mV (0dB) to -20dB by attenuator to AUX/DAT terminal.
- 2) Record and play back the 1kHz and 10kHz of the test tape.
- 3) Check each difference between record and play back level is within $0 \pm 2.5\text{dB}$ at 1kHz and 10kHz of the test tape.
- 4) If the difference is over $0 \pm 2.5\text{dB}$, adjust the bias level (step.7) again.

< TAPE RECORDER SECTION >

- Bias frequency : 85kHz
- Distortion : Less than 1.5 % (PB, AC)
Less than 3.5 % (REC/PB, AC)
- S/N ratio : H, LH, U, HD :
More than 45dB (PB, AC)
More than 44dB (REC/PB, AC)
E, K :
More than 46dB (PB, AC)
More than 45dB (REC/PB, AC)
- Noise : H, LH, U, HD :
Less than 40mV (PB, AC, MAX)
Less than 45mV (REC/PB, AC, MAX)
E, K :
Less than 45mV (PB, AC, MAX)
Less than 55mV (REC/PB, AC, MAX)
- Erasing ratio : More than 60dB
- Frequency response : 125Hz $\pm$ 3dB ~ 12.5kHz $\pm$ 3.5dB (PB)
63Hz $\pm$ 4dB ~ 12.5kHz $\pm$ 4dB (REC/PB)
- Tape speed : 3000Hz $\pm$ 90Hz
- Wow & flutter : Less than 0.38 % (JIS, RMS)
- Take up torque : 25~60g-cm (FWD/REVERSE)
- FF torque : 75~150g-cm
- REW torque : 75~150g-cm
- Back tension : 2~6g-cm
- Test tape : TTA-601 (TTA-119K)
TTA-610 (TTA-119H)
TTA-310
(TTA-317E, SCC-1429)

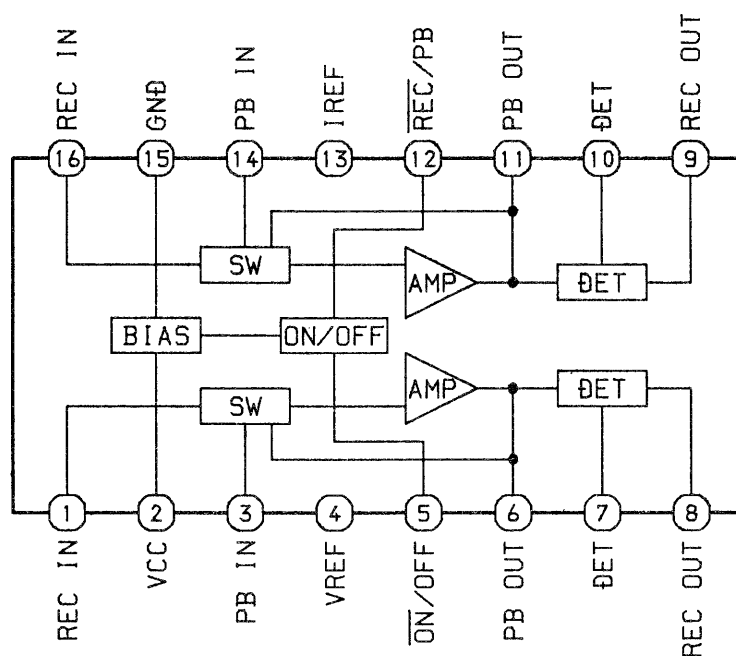
IC DESCRIPTION (FX – 01)

IC, LC6543H – 4882

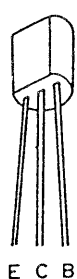
Pin No.	Pin Name	I/O	Description
1	$\overline{O} - RVS$	O	"REVERSE" LED indicator control.
2	VDD	–	Power supply.
3 5 6	$\overline{K} D \overline{0}$) $\overline{K} D \overline{3}$	I	Key matrix input port.
7	$\overline{K} O \overline{1}$	O	Deck key matrix output port.
8	$\overline{K} O \overline{0}$		
9	$\overline{O} - REC$	O	Tape playback or record control signal.
10	$\overline{O} - SYN / I - PWR$	I/O	CD synchro-recording when output as "L". Detect "H" to "L" transition input signal to store previous status. Possible only for "REC" with "PAUSE" condition.
11	$\overline{I} - SYNC$	I	CD synchro-recording input control.
12	$\overline{R} E M O T E$	I	Remote control input.
13	$\overline{Q} / \overline{D}$	–	Not used.
14	AUTO – S	I	CD synchro-recording input control.
15	O SC 2	O	4.19MHz clock oscillation output.
16	O SC 1	I	4.19MHz clock oscillation input.
17	T E S T	I	GND.
18	V S S	–	GND.
19	$\overline{R} E S E T$	I	Reset signal input ("L" when reset).
20	H – S P	I	Not used.
21	$\overline{M} O T O R$	O	Tape motor power supply control.
22	$\overline{S} O L - P L A Y$	O	Logic – mecha play solenoid control.
23	$\overline{S} O L - F R$	O	Logic – mecha forward/reverse solenoid control.
24	$\overline{P} L A Y$	I	Detect tape play signal.
25	$\overline{F} R$	I	Forward/reverse tape control.
26	$\overline{R} E C A$	I	Tape side A recording.
27	$\overline{R} E C B$	I	Tape side B recording.
28	$\overline{C} S T$	I	Detect existance of cassette tape.
29	$\overline{O} - P A U S$	O	"PAUSE" LED indicator control.
30	$\overline{O} - F W D$	O	"FORWARD" LED indicator control.

IC BLOCK DIAGRAM (FX – 01)

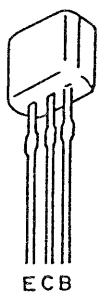
IC,HA12134A



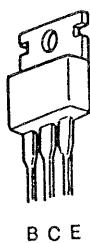
TRANSISTOR ILLUSTRATION (FX – 01)



2SA1296
2SA952
2SC2001
2SC3331



2SA933
2SC1740
DTA124
DTC114
DTC124
DTC144



2SB1289



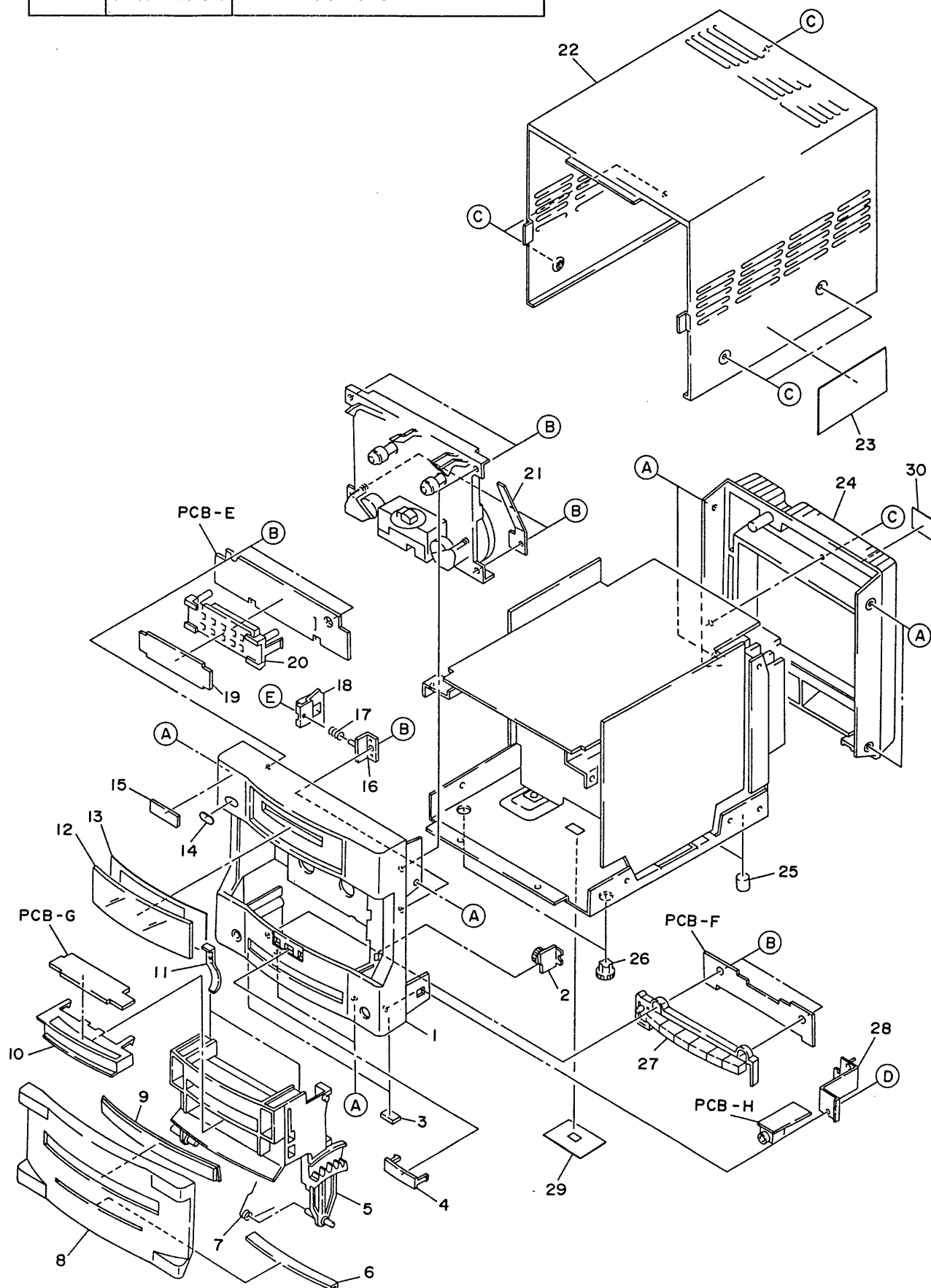
2SB1292
2SD2061



2SD2005

EXPLODED VIEW - 1 (FX - 01)

REF. NO.	PART NO.	DESCRIPTION
A	87-591-094-410	QIT + 3 - 6
B	87-067-579-010	BVT2 + 3 - 8 W/O SLOT
C	87-067-641-010	UTT2 + 3 - 8 W/O SLOT (B)
D	87-067-758-010	BVT2 + 3 - 12 W/O SLOT
E	87-081-808-010	PW1.7 - 3.5 - 0.25

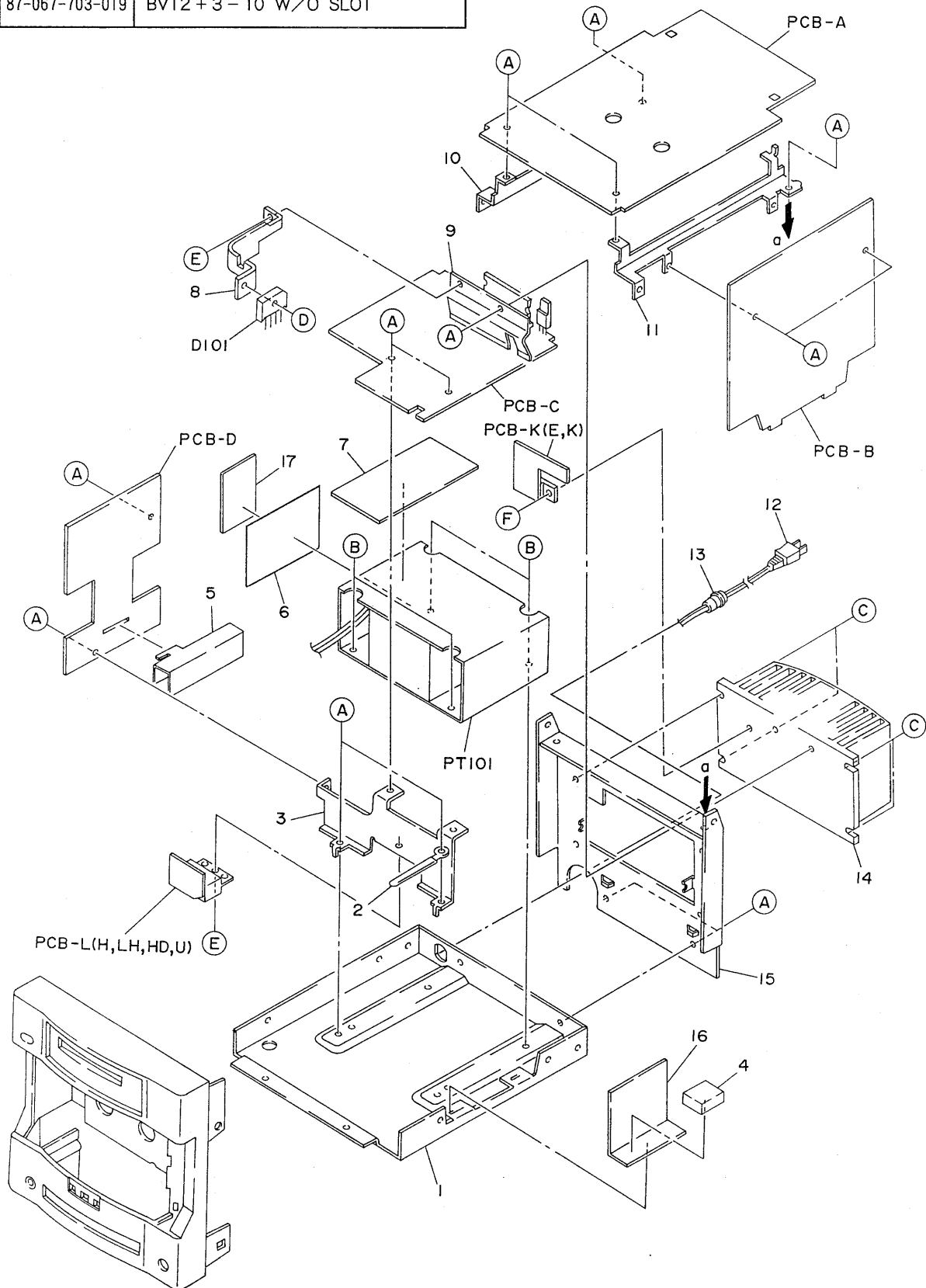


MECHANICAL PARTS LIST (FX – 01)

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
	1-1	★81-NWB-001-019	CABINET, FRONT (EXCEPT U)	※	1
	1-1	★81-NWB-016-019	CABINET, FRONT (U)	※	1
	1-2	★87-064-167-019	DAMPER, OIL 150		1
	1-3	★81-NWB-027-019	FOOT, FRONT	※	2
	1-4	★81-NWB-011-019	CAP, AZIMUTH	※	1
	1-5	★81-NWB-005-019	BOX, CASSETTE	※	1
	1-6	★81-NWB-008-019	LENS, CASSETTE	※	1
	1-7	★81-NWB-208-019	T – SPRING, CASSETTE	※	1
	1-8	★81-NWB-004-019	LID, CASSETTE	※	1
	1-9	★81-NWB-007-019	WINDOW, CASSETTE	※	1
	1-10	★81-NWB-207-019	REFLECTOR, CASSETTE	※	1
	1-11	★81-CD2-230-019	P – SPRING, CASSETTE		2
	1-12	★81-NWB-010-019	WINDOW, DISPLAY	※	1
	1-13	★81-NKB-213-019	ADHESIVE SHEET, WINDOW		1
	1-14	★81-NWB-009-019	WINDOW, REMOTE	※	1
	1-15	★81-MX4-032-019	BADGE, AIWA		1
	1-16	★80-CD3-219-010	LOCK HOLDER ASSY		1
	1-17	★81-715-234-010	C – SPRING, LOCK PLATE		1
	1-18	★80-CD3-233-010	PLATE, LOCK		1
	1-19	★81-NWB-012-119	PLATE, LED	※	1
	1-20	---	HOLDER, LED		1
	1-21	★81-NWB-214-019	P – SPRING, BOX	※	1
	1-22	★81-NWB-003-019	CABINET, STEEL	※	1
	1-23	★81-NWB-023-019	LABEL, SPEC (H)	※	1
	1-23	★81-NWB-025-019	LABEL, SPEC (LH)	※	1
	1-23	★81-NWB-026-019	LABEL, SPEC (HD)	※	1
	1-23	★81-NWB-021-019	LABEL, SPEC (U)	※	1
	1-23	★81-NWB-042-019	LABEL, SPEC (E)	※	1
	1-23	★81-NWB-022-019	LABEL, SPEC (EE)	※	1
	1-23	★81-NWB-024-019	LABEL, SPEC (K)	※	1
	1-24	★81-NWB-002-019	CABINET, REAR (EXCEPT U)	※	1
	1-24	★81-NWB-017-019	CABINET, REAR (U)	※	1
	1-25	★81-NKB-018-019	FOOT		2
	1-26	★81-NKB-019-019	BUSHING, STAND		2
	1-27	★81-NWB-006-019	KEY, CASSETTE	※	1
	1-28	---	HOLDER, MECHANISM		1
	1-29	★81-NWB-040-019	LABEL, AC SWITCH (H, LH)	※	1
	1-29	★81-NWB-041-019	LABEL, AC SWITCH (HD)	※	1
	1-29	★81-NWB-039-019	LABEL, AC SWITCH (U)	※	1
	1-30	★81-NWB-019-019	PLATE, CN (U)	※	1

EXPLODED VIEW - 2 (FX - 01)

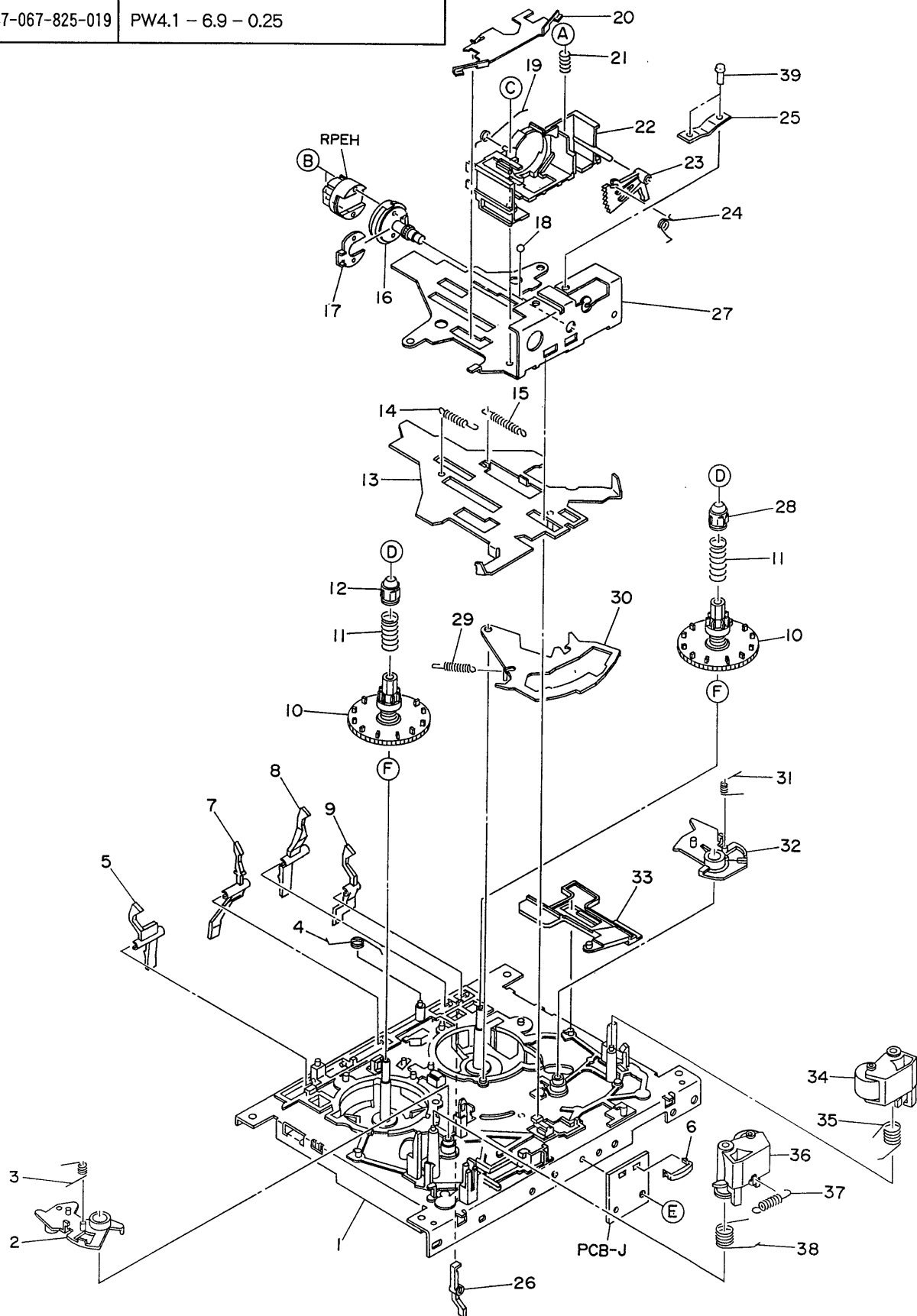
REF. NO.	PART NO.	DESCRIPTION
A	87-067-584-010	BVT2 + 3 - 6 W/O SLOT
B	87-067-585-010	BVTT + 4 - 6
C	87-067-761-010	BVT2 + 3 - 10 (B)
D	87-067-758-010	BVT2 + 3 - 12 W/O SLOT
E	87-067-579-010	BVT2 + 3 - 8 W/O SLOT
F	87-067-703-019	BVT2 + 3 - 10 W/O SLOT



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
	2-1	---	CHASSIS, MAIN		1
	2-2	---	BINDER, WIRE		1
	2-3	---	HOLDER, AC SWITCH		1
	2-4	---	CUSHION, S 15 - 20 - 10		1
	2-5	★81-NWB-215-019	COVER, PWB	※	1
	2-6	★81-NWB-637-019	SHEET, PT 76 - 43 (E, K)	※	1
	2-7	★81-NWB-799-019	SHIELD PLATE, PA	※	1
	2-8	---	HEAT SINK		1
	2-9	★81-NWB-211-119	P - SPRING, IC	※	1
	2-10	---	HOLDER, SIDE L		1
	2-11	---	HOLDER, SIDE R		1
	2-12	★87-034-761-010	CORD, AC (H, LH, HD)		1
	2-12	★87-034-584-019	CORD, AC (U)		1
	2-12	★82-187-797-019	CORD, AC (E)		1
	2-12	★82-187-796-019	CORD, AC (K)		1
	2-13	★87-085-184-010	BUSHING, AC CORD (H, LH, HD)		1
	2-13	★87-085-189-010	BUSHING, AC CORD (U)		1
	2-13	★87-085-185-010	BUSHING, AC CORD (E, K)		1
	2-14	---	HEAT SINK		1
	2-15	---	CHASSIS, REAR		1
	2-16	★81-NWB-626-019	SHIELD PLATE, DECK	※	1
	2-17	★81-NWB-640-019	SHEET, FIBER 35 - 43	※	1

EXPLODED VIEW – 3 (FX – 01)

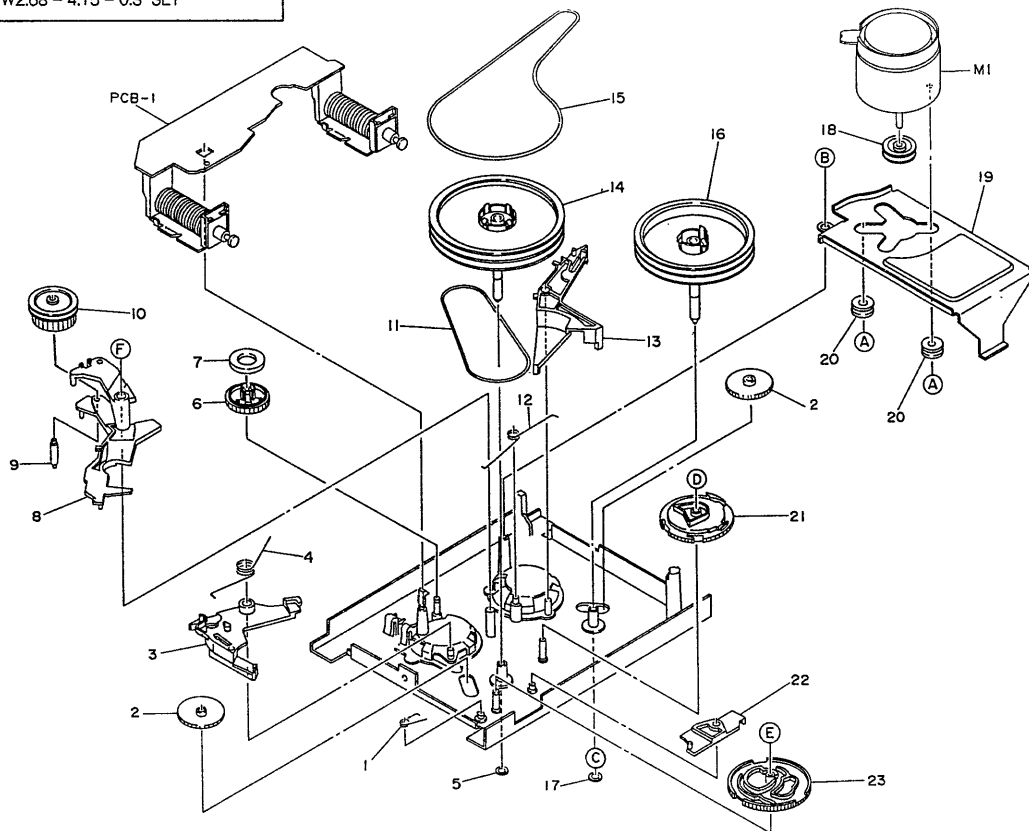
REF. NO.	PART NO.	DESCRIPTION
A	86-575-363-210	S – SCREW V + 2 – 8
B	80-ZM6-207-019	V + 1.6 – 7
C	87-261-033-419	V + 2 – 4
D	86-524-418-019	VFT2 + 1.4 – 5
E	87-067-174-019	VTT + 2 – 4
F	87-067-825-019	PW4.1 – 6.9 – 0.25



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
	3-1	★80-ZM6-201-810	MECHANISM CHASSIS ASSY		1
	3-2	★86-535-239-110	LEVER, PLAY R		1
	3-3	★86-535-283-019	T – SPRING, PLAY GEAR R		1
	3-4	★80-ZM6-206-019	T – SPRING, CASSETTE		1
	3-5	★86-575-322-110	LEVER, REC A	※	1
	3-6	★86-575-342-010	HOLDER, WIRE 2	※	1
	3-7	★86-575-324-310	LEVER, CASSETTE	※	1
	3-8	★86-575-327-210	LEVER, CHROME	※	1
	3-9	★86-575-323-010	LEVER, REC B	※	1
	3-10	★80-ZM6-254-110	REEL GEAR ASSY L		2
	3-11	★86-535-293-019	C – SPRING, REEL TABLE		2
	3-12	★86-524-218-319	STOPPER, REEL TABLE S		1
	3-13	★86-535-215-410	SLIDE PLATE ASSY		1
	3-14	★80-ZM6-268-019	E – SPRING, SLIDE 3		1
	3-15	★86-575-226-019	E – SPRING, HEAD CHASSIS	※	1
	3-16	★86-575-306-910	HOLDER, HOUSING	※	1
	3-17	★86-575-305-010	PLATE, HOUSING	※	1
	3-18	★87-073-018-010	BALL, STEEL 1.588		1
	3-19	★86-575-310-219	T – SPRING, HEAD	※	1
	3-20	★86-575-347-110	P – SPRING, HEAD 2	※	1
	3-21	★86-541-318-119	C – SPRING, AZIMUTH		1
	3-22	★86-575-288-510	GUIDE, TAPE	※	1
	3-23	★86-575-290-310	GEAR, SEGMENT	※	1
	3-24	★80-ZM6-229-110	T – SPRING, SEGMENT GEAR 2		2
	3-25	★86-575-343-110	P – SPRING, AZIMUTH 2	※	1
	3-26	★86-575-326-310	LEVER, RINK	※	1
	3-27	★86-575-311-410	CHASSIS, HEAD	※	1
	3-28	★86-524-233-219	STOPPER, REEL TABLE T		1
	3-29	★86-535-284-119	E – SPRING, DIRECTION LEVER		1
	3-30	★86-535-218-310	DIRECTION LEVER ASSY		1
	3-31	★86-535-282-019	T – SPRING, PLAY GEAR F		1
	3-32	★86-535-238-310	LEVER, PLAY F		1
	3-33	★86-575-345-210	LEVER, SWITCH 2	※	1
	3-34	86-535-226-310	PINCH LEVER ASSY F		1
	3-35	★86-575-222-110	T – SPRING, PINCH F	※	1
	3-36	86-535-228-410	PINCH LEVER ASSY R		1
	3-37	★86-575-339-019	E – SPRING, PINCH 22	※	1
	3-38	★86-575-341-110	T – SPRING, PINCH L	※	1
	3-39	★80-ZM6-251-019	S – SCREW, AZIMUTH 2		2

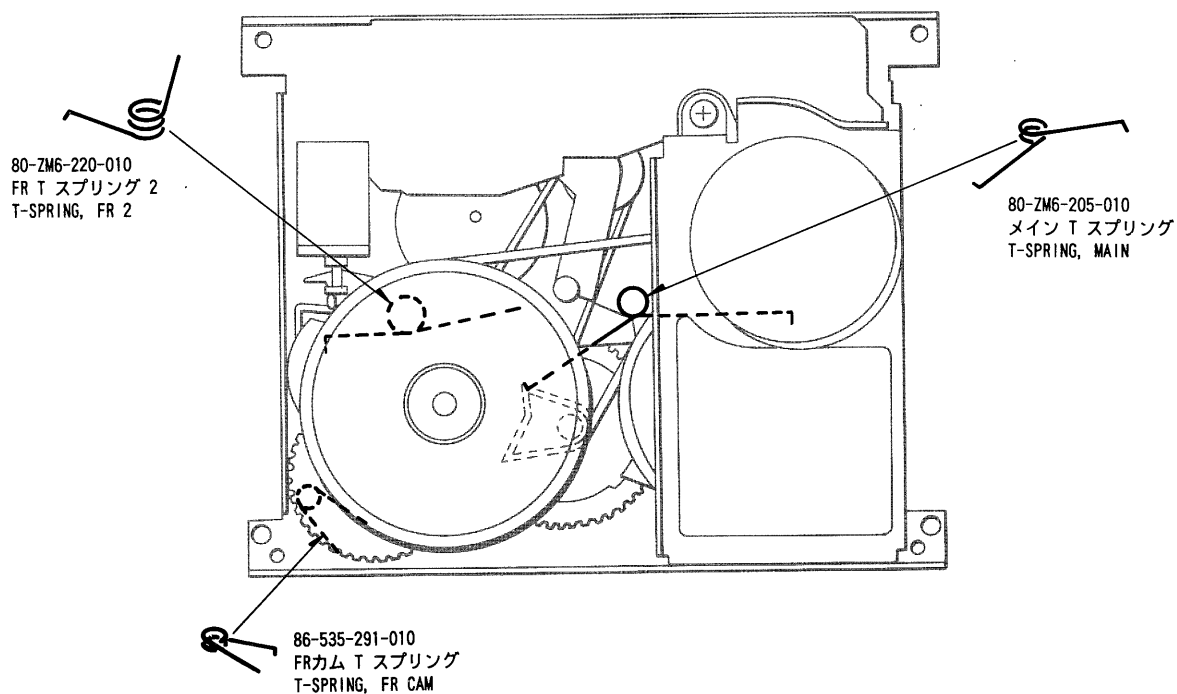
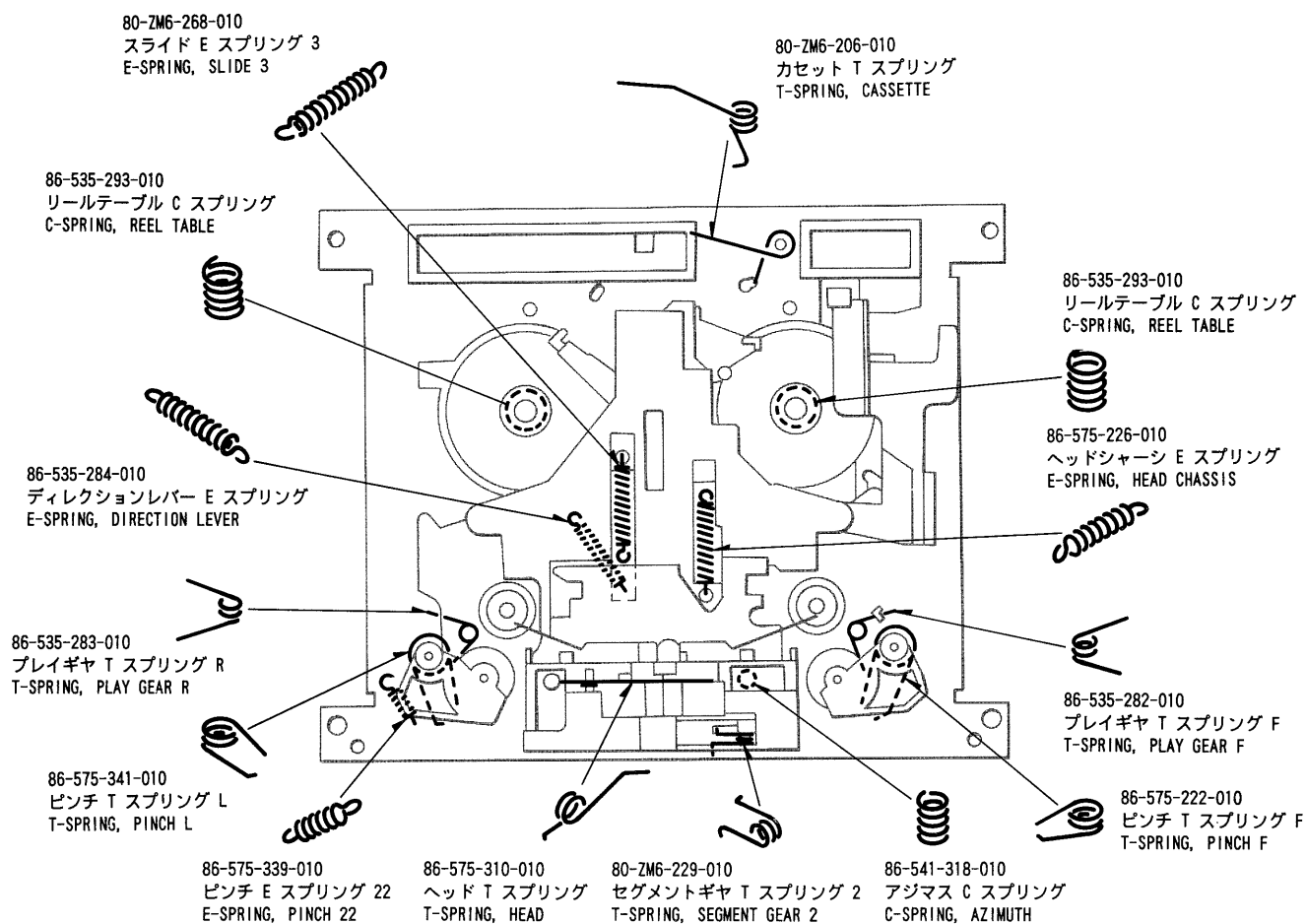
EXPLODED VIEW - 4 (FX - 01)

REF. NO.	PART NO.	DESCRIPTION
A	86-524-457-019	U + 2.6 - 5.5
B	87-741-073-419	UT2 + 2.6 - 6
C	86-575-355-010	PW3.2 - 2.3 - 0.1
D	87-081-489-019	PW1.7 - 3.5 - 0.25 SLT
E	87-067-380-019	PW1.7 - 7 - 0.5
F	80-ZM6-211-019	PW2.68 - 4.15 - 0.3 SLT



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
	4-1	★86-535-291-210	T - SPRING, FR CAM		1
	4-2	★86-575-221-310	GEAR, PLAY	※	2
	4-3	★86-535-230-510	LEVER, TRIGGER FR		1
	4-4	★80-ZM6-220-019	T - SPRING, FR 2		1
	4-5	★80-ZM6-242-019	SHEET, 1.95 - 3.6 - 0.5		1
	4-6	★86-575-328-110	GEAR, IDLER	※	1
	4-7	★80-ZM6-217-010	MAGNET, RING 2		1
	4-8	★80-ZM6-218-110	LEVER, FR 2		1
	4-9	★80-ZM6-222-110	SHAFT, FR PULLEY		1
	4-10	★80-ZM6-272-010	GEAR, FR 2		1
	4-11	80-ZM6-227-110	BELT, SQ1.2 - 140		1
	4-12	★80-ZM6-205-110	T - SPRING, MAIN		1
	4-13	★86-535-231-510	LEVER, TRIGGER PLAY		1
	4-14	80-ZM6-262-110	FLYWHEEL ASSY R2		1
	4-15	★86-575-381-010	BELT, SQ1.3 - 210	※	1
	4-16	80-ZM6-208-310	FLYWHEEL ASSY L1		1
	4-17	★80-ZM6-243-019	SHEET, 1.75 - 3.6 - 0.5		1
	4-18	★86-575-366-010	PULLEY, MOTOR 24	※	1
	4-19	★86-575-301-410	HOLDER, MOTOR	※	1
	4-20	★86-513-441-210	COLLAR, MOTOR		2
	4-21	★86-575-312-210	CAM, MAIN	※	1
	4-22	★86-575-229-210	LEVER, PAUSE B	※	1
	4-23	★80-ZM6-219-210	CAM, FR MK2 2M		1

SPRING APPLICATION POSITION (FX - 01)



MODEL No. RDX - 01

DISASSEMBLY INSTRUCTIONS (RDX - 01)

1. "Cabinet, Steel" Removal (See Figure - 1)

- 1) Remove the 5 screws (A) and remove the "Cabinet, Steel".

2. "Chassis, Main" ("Board, CD") Removal (See Figure - 1)

- 1) Remove the 4 screws (C). Then disengage the 2 hooks and remove the "Chassis, Main" in the direction of arrow ①.

3. "Cabinet, Front" Removal (See Figure - 1)

- 1) Insert the "Flat-head screwdriver" into the bottom of the unit as shown in Figure - 1 - 1, and turn the cam in the direction of arrow ② to move the "Tray" out. (See Figure - 1 - 1)
- 2) Remove "Panel, CD" in the direction of arrow ③.
- 3) Remove the screw (D) and 3 connectors (CONN7, CONN9, CONN10). Then disengage the 4 hooks of "Cabinet, Front" and remove "Cabinet, Front".

4. "Cabinet, Rear" Removal (See Figure - 1)

- 1) Remove the screw (B) and 2 connectors (CON1, CON2), and remove "Cabinet, Rear".

5. "Board, Tuner" Removal (See Figure - 1)

- 1) Remove the 4 screws (E) and remove "Board, Tuner".

6. "Board, Main" Removal (See Figure - 1)

- 1) Remove the 4 screws (F) and 2 connectors (CON3, CON4), and remove the "Board, Main".

Flow chart

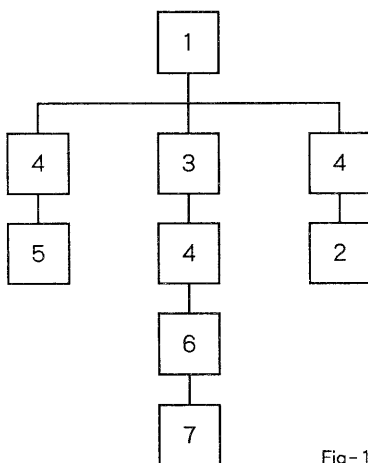


Fig-1-1

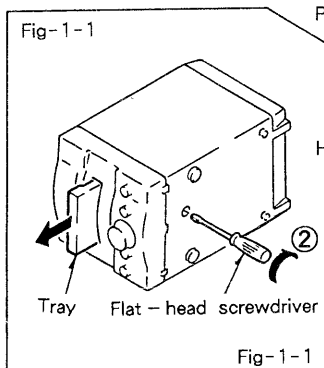
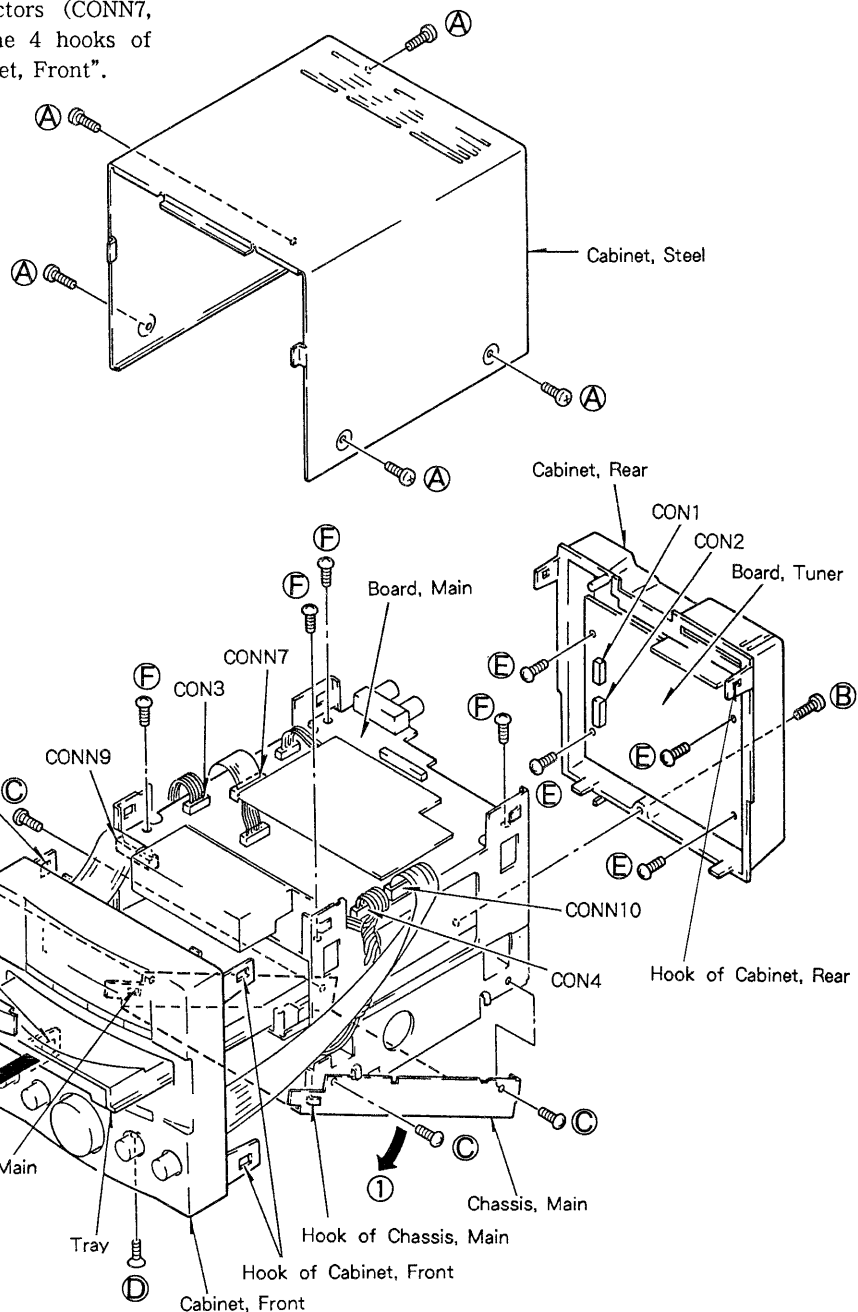


Fig - 1

7. "Chassis, CD Mechanism" Removal (See Figure – 2)

- 1) Remove the 4 screws (A), the pick – up connectors (PIN1, PIN2) and the connector (CON3). Then remove "Chassis, CD Mechanism".

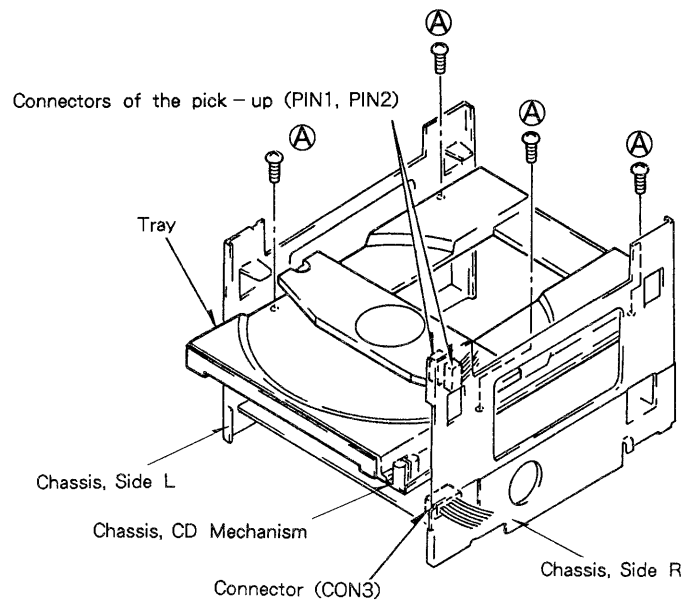


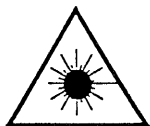
Fig – 2

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION, BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion.
Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

WARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvisning, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

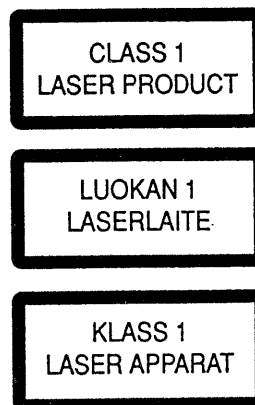
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

ATTENTION

L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

This Compact Disc player is classified as a CLASS 1 LASER product.

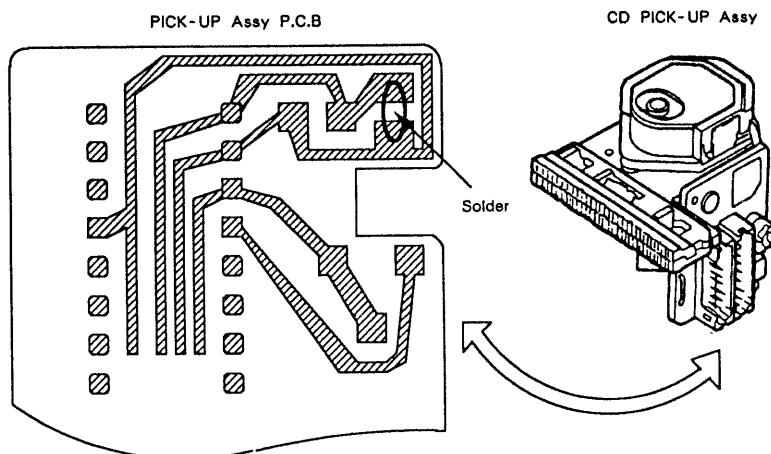
The CLASS 1 LASER PRODUCT label is located on the rear exterior.



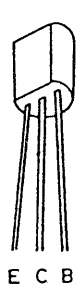
Precaution to replace Optical block (KSS - 210A)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure to ground body and workbench, and make sure the clothes do not touch the diode.

- 1) After the connection, remove the solder shown in the right figure.



TRANSISTOR ILLUSTRATION (RDX – 01)

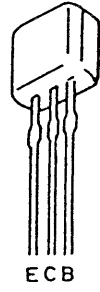


2SA1296

2SA952

2SC2001

2SC3331



2SA933

2SC1740

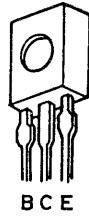
DTA124

DTA144

DTC124ES

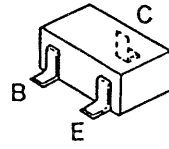
DTC124XS

DTC144



2SB1329

2SD2005



2SC2712

2SC2714

2SC3326

DTA114

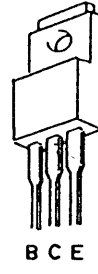
DTA143

DTC114

DTC124XK

DTC143

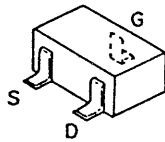
DTC144TK



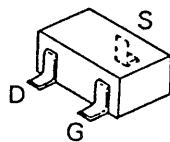
2SD2061



2SK161



2SK209



2SK211

ELECTRICAL MAIN PARTS LIST (RDX - 01)

REF. NO. PART NO. DESCRIPTION

===IC===

87-002-258-010 IC, AN8377N
 87-001-440-019 IC, BA15218N
 87-002-427-019 IC, BA6209N
 87-002-821-010 IC, BU3559CS

 87-002-247-019 IC, BU4052B
 87-001-196-019 IC, ICP-N10 T104
 87-002-268-019 IC, LA1851N
 87-001-927-019 IC, LC7218M

 87-001-176-010 IC, TA8102P
 87-002-642-010 IC, TA8124F
 87-002-264-019 IC, TA8176F
 87-002-407-010 IC, TA8191F

 87-002-803-010 IC, TC9236AF
 87-002-644-010 IC, TDA1311T
 81-NKB-603-010 IC, TMP47C820F-N837
 87-002-218-010 IC, XRC5451AP

===TRANSISTOR===

89-501-614-019 FET, 2SK161Y
 89-502-094-019 FET, 2SK209Y
 89-502-114-019 FET, 2SK211Y
 89-112-965-019 TRANSISTOR, 2SA1296GR

 87-026-463-019 TRANSISTOR, 2SA933S(RS)
 89-109-521-019 TRANSISTOR, 2SA952K
 89-213-293-019 TRANSISTOR, 2SB1329R(T105)
 87-026-462-019 TRANSISTOR, 2SC1740S(RS)

 89-320-011-019 TRANSISTOR, 2SC2001K
 89-327-124-019 TRANSISTOR, 2SC2712Y
 89-327-143-019 TRANSISTOR, 2SC2714(O)
 89-333-266-019 TRANSISTOR, 2SC3326B

 89-333-317-019 TRANSISTOR, 2SC3331TU
 89-420-053-019 TRANSISTOR, 2SD2005R
 89-420-611-019 TRANSISTOR, 2SD2061E F
 87-026-230-019 TRANSISTOR, DTA114YK

 87-026-290-019 TRANSISTOR, DTA124XS
 87-026-226-019 TRANSISTOR, DTA143EK
 87-026-229-019 TRANSISTOR, DTA143KK
 87-026-211-019 TRANSISTOR, DTA144EK

 87-026-219-019 TRANSISTOR, DTA144ES
 87-026-486-019 TRANSISTOR, DTA144TS
 87-026-213-019 TRANSISTOR, DTC114YK(T147)
 87-026-217-019 TRANSISTOR, DTC124ES

 87-026-237-019 TRANSISTOR, DTC124XK
 87-026-291-019 TRANSISTOR, DTC124XS
 87-026-234-019 TRANSISTOR, DTC143EK
 87-026-218-019 TRANSISTOR, DTC144ES

 87-026-502-019 TRANSISTOR, DTC144TS
 87-026-295-019 TRANSISTOR, DTC144TK

===DIODE===

87-001-783-019 DIODE, 1N4002 T
 87-020-465-019 DIODE, 1SS133 T-72
 87-020-605-019 DIODE, 1SS135
 87-020-125-019 DIODE, CHIP 1SS181

 87-020-027-019 DIODE, CHIP 1SS184
 87-001-863-019 DIODE, RB721Q T-72
 87-027-346-019 DIODE, ZENER HZ11A2L
 87-027-680-019 DIODE, ZENER HZ11C1L

 87-027-364-019 DIODE, ZENER HZ12A3L
 87-027-393-019 DIODE, ZENER HZ4C2
 87-027-555-019 DIODE, ZENER HZ5C2
 87-027-332-019 DIODE, ZENER HZ6B1L

 87-027-702-019 DIODE, ZENER HZ6C2L
 87-027-584-019 DIODE, ZENER HZ9C1L
 87-001-732-019 DIODE, ZENER HZS4ALL
 87-027-405-019 DIODE, ZENER RD2. 2EB

REF. NO. PART NO. DESCRIPTION

===TUNER CIRCUIT BOARD SECTION===

BPF1 ★87-030-254-019 FILTER, BPMB6AT(H, LH, U, E, K)
 C2 ★87-010-152-010 CAP, CHIP S 8P-50 CH(HD)
 C3 ★87-015-819-019 CAP, CHIP 0.01(H, LH, U, E, K)
 C3 ★87-010-151-010 CAP, CHIP S 7P-50 CH(HD)

 C4 ★87-010-178-019 CAP, CHIP S 1000P-50 B
 (H, LH, U, E, K)
 C5 ★87-010-151-019 CAP, CHIP S 7P-50 CH(H, LH, U, E, K)
 C6 ★87-010-197-019 CAP, CHIP S 0.01-25 B(H, LH, U, E, K)

 C7 ★87-010-544-019 CAP, ELECT 0.1-50(H, LH, U, E, K)
 C8 ★87-010-146-019 CAP, CHIP S 2P-50 CH(H, LH, U, E, K)
 C8 ★87-012-153-010 CAP, CHIP S 120P-50 CH(HD)
 C9 ★87-010-151-019 CAP, CHIP S 7P-50 CH(H, LH, U, E, K)

 C9 ★87-015-819-010 CAP, CHIP 0.01(HD)
 C10 ★87-010-321-019 CAP, CHIP S 82P-50 CH(H, LH, U, E, K)
 C10 ★87-010-154-010 CAP, CHIP S 10P-50 CH(HD)
 C11 ★87-010-312-019 CAP, CHIP S 15P-50 CH(H, LH, U, E, K)

 C11 ★87-010-148-010 CAP, CHIP S 4P-50 CH(HD)
 C12 ★87-010-197-019 CAP, CHIP S 0.01-25 B(H, LH, U, E, K)
 C12 ★87-012-154-010 CAP, CHIP S 150P-50 CH(HD)
 C13 ★87-012-157-019 CAP, CHIP S 330P-50 CH
 (H, LH, U, E, K)

 C14 ★87-010-148-019 CAP, CHIP S 4P-50 CH(H, LH, U, E, K)
 C15 ★87-010-312-019 CAP, CHIP S 15P-50 CH(H, LH, U, E, K)
 C16 ★87-010-178-019 CAP, CHIP S 1000P-50 B
 (H, LH, U, E, K)

 C16 ★87-010-197-010 CAP, CHIP S 0.01-25 B(HD)
 C17 ★87-010-197-019 CAP, CHIP S 0.01-25 B(H, LH, U, E, K)
 C17 ★87-010-544-010 CAP, ELECT 0.1-50(HD)
 C18 ★87-010-197-010 CAP, CHIP S 0.01-25 B

 C19 ★87-010-312-019 CAP, CHIP S 15P-50 CH(H, LH, U, E, K)
 C19 ★87-010-150-010 CAP, CHIP S 6P-50 CH(HD)
 C20 ★87-010-197-010 CAP, CHIP S 0.01-25 B
 C21 ★87-010-197-019 CAP, CHIP S 0.01-25 B(H, LH, U, E, K)

 C21 ★87-010-178-010 CAP, CHIP S 1000P-50 B(HD)
 C22 ★87-010-197-019 CAP, CHIP S 0.01-25 B(H, LH, U, E, K)
 C22 ★87-012-150-010 CAP, CHIP S 20P-50 CH(HD)
 C23 ★87-010-197-019 CAP, CHIP S 0.01-25 B(H, LH, U, E, K)

 C23 ★87-012-158-010 CAP, CHIP S 390P-50 CH(HD)
 C24 ★87-010-322-019 CAP, CHIP S 100P-50 CH(E, K)
 C25 ★87-010-171-019 CAP, CHIP S 270P-50 SL
 (H, LH, U, E, K)

 C26 ★87-018-147-019 CAP, CERA-SOL SS 10P-50 CH
 (H, LH, U, E, K)
 C27 ★87-018-125-019 CAP, CERA-SOL SS 330P-50 B
 (H, LH, U, E, K)

 C28 ★87-018-119-019 CAP, CERA-SOL SS 100P-50 B
 (H, LH, U, E, K)
 C28 ★87-010-321-010 CAP, CHIP S 82P-50 CH(HD)
 C29 ★87-010-197-010 CAP, CHIP S 0.01-25 B(HD)

 C30 ★87-010-197-010 CAP, CHIP S 0.01-25 B(HD)
 C31 ★87-010-544-019 CAP, ELECT 0.1-50(H, LH, U, E, K)
 C31 ★87-010-197-010 CAP, CHIP S 0.01-25 B(HD)
 C35 ★87-012-154-019 CAP, CHIP S 150P-50 CH(E, K)

 C36 ★87-010-321-019 CAP, CHIP S 82P-50 CH(E, K)
 C37 ★87-012-158-019 CAP, CHIP S 390P-50 CH
 (H, LH, U, E, K)
 C38 ★87-010-336-019 CAP, CHIP S 18P-50 UJ(H, LH, U, E, K)

 C40 ★87-010-197-010 CAP, CHIP S 0.01-25 B(HD)
 C41 ★87-010-260-010 CAP, ELECT 47-25 SME(HD)
 C51 ★87-010-312-010 CAP, CHIP S 15P-50 CH(HD)
 C52 ★87-010-154-010 CAP, CHIP S 10P-50 CH(HD)

 C53 ★87-010-197-010 CAP, CHIP S 0.01-25 B(HD)
 C54 ★87-010-198-019 CAP, CHIP S 0.022-25 B
 (H, LH, U, E, K)
 C56 ★87-010-198-019 CAP, CHIP S 0.022-25 B
 (H, LH, U, E, K)

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
C59	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)	C117	★87-010-322-019	CAP, CHIP S 100P-50 CH
C70	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)			(H, LH, U, E, K)
C71	★87-010-197-019	CAP, CHIP S 0.01-25 B(H, LH, U, E, K)	C118	★87-010-322-019	CAP, CHIP S 100P-50 CH
C71	★87-010-198-010	CAP, CHIP S 0.022-25 B(HD)			(H, LH, U, E, K)
C72	★87-010-198-019	CAP, CHIP S 0.022-25 B	C119	★87-010-197-019	CAP, CHIP S 0.01-25 B(H, LH, U, E, K)
		(H, LH, U, E, K)	C120	★87-010-248-019	CAP, ELECT 220-10(H, LH, U, E, K)
C72	★87-010-248-010	CAP, ELECT 220-10 SME(HD)	C121	★87-010-197-019	CAP, CHIP S 0.01-25 B(H, LH, U, E, K)
C73	★87-010-248-019	CAP, ELECT 220-10 SME(H, LH, U, E, K)	C122	★87-010-197-019	CAP, CHIP S 0.01-25 B(H, LH, U, E, K)
C73	★87-010-402-010	CAP, ELECT 2.2-50 SME(HD)	C123	★87-015-696-019	CAP, ELECT 2.2-50 7L(H, LH, U, E, K)
C74	★87-015-696-019	CAP, ELECT 2.2-50 7L(H, LH, U, E, K)	C124	★87-010-197-019	CAP, CHIP S 0.01-25 B(H, LH, U, E, K)
C74	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)	C125	★87-012-317-019	CAP, CHIP S 39P-50 CH(H, LH, U, E, K)
C75	★87-010-186-019	CAP, CHIP S 4700P-50 B	C126	★87-010-316-019	CAP, CHIP S 33P-50 CH(H, LH, U, E, K)
C76	★87-010-188-019	CAP, CHIP S 6800P-50 B	C128	★87-010-197-019	CAP, CHIP S 0.01-25 B(H, LH, U, E, K)
		(H, LH, U, E, K)	C129	★87-010-260-019	CAP, ELECT 47-25 SME(H, LH, U, E, K)
C76	★87-012-156-010	CAP, CHIP S 220P CH(HD)	C130	★87-012-149-010	CAP, CHIP S 30P-50 CH(HD)
C77	★87-012-156-019	CAP, CHIP S 220P CH(H, LH, U, E, K)	C131	★87-010-315-010	CAP, CHIP S 27P-50 CH(HD)
C77	★87-010-401-010	CAP, ELECT 1-50 SME(HD)	C132	★87-010-322-010	CAP, CHIP S 100P-50 CH(HD)
C78	★87-010-401-019	CAP, ELECT 1-50 SME(H, LH, U, E, K)	C133	★87-010-322-010	CAP, CHIP S 100P-50 CH(HD)
C79	★87-010-401-010	CAP, ELECT 1-50 SME	C134	★87-010-322-010	CAP, CHIP S 100P-50 CH(HD)
C80	★87-010-546-019	CAP, ELECT 0.33-50 SME	C135	★87-010-318-019	CAP, CHIP S 47P-50 CH(H, LH, U, E, K)
		(H, LH, U, E, K)	C135	★87-010-322-010	CAP, CHIP S 100P-50 CH(HD)
C80	★87-010-401-010	CAP, ELECT 1-50 SME(HD)	C136	★87-010-197-019	CAP, CHIP S 0.01-25 B(H, LH, U, E, K)
C81	★87-010-401-019	CAP, ELECT 1-50 SME(H, LH, U, E, K)	C136	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)
C81	★87-010-546-010	CAP, ELECT 0.33-50 SME(HD)	C137	★87-010-263-010	CAP, ELECT 100-10(HD)
C82	★87-010-196-019	CAP, CHIP S 0.1-25 F(H, LH, U, E, K)	C138	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)
C83	★87-010-197-019	CAP, CHIP S 0.01-25 B(H, LH, U, E, K)	C139	★87-010-403-010	CAP, ELECT 3.3-50 SME(HD)
C84	★87-010-401-019	CAP, ELECT 1-50 SME(H, LH, U, E, K)	C140	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)
C84	★87-010-196-010	CAP, CHIP S 0.1-25 F(HD)	C152	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)
C85	★87-010-197-010	CAP, CHIP S 0.01-25 B	C155	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)
C86	★87-010-404-019	CAP, ELECT 4.7-50 SME(H, LH, U, E, K)	C157	★87-010-178-010	CAP, CHIP S 1000P-50 B(HD)
C86	★87-010-452-010	CAP, CHIP 1-16 F(HD)	C158	★87-010-314-010	CAP, CHIP S 22P-50 CH(HD)
C87	★87-010-401-019	CAP, ELECT 1-50 SME(H, LH, U, E, K)	C159	★87-010-314-010	CAP, CHIP S 22P-50 CH(HD)
C87	★87-010-378-010	CAP, ELECT 10-16(HD)	C160	★87-010-318-010	CAP, CHIP S 47P-50 CH(HD)
C88	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)	C161	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)
C89	★87-010-197-019	CAP, CHIP S 0.01-25 B(H, LH, U, E, K)	C162	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)
C89	★87-012-158-010	CAP, CHIP S 390P-50 CH(HD)	C163	★87-010-321-010	CAP, CHIP S 82P-50 CH(HD)
C90	★87-010-405-019	CAP, ELECT 10-50 SME(H, LH, U, E, K)	C165	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)
C90	★87-010-322-010	CAP, CHIP S 100P-50 CH(HD)	C170	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)
C91	★87-010-544-019	CAP, ELECT 0.1-50 (H, LH, U, E, K)	C171	★87-010-993-010	CAP, CHIP S 0.056-25 B(HD)
C91	★87-010-198-010	CAP, CHIP S 0.022-25 B(HD)	C172	★87-010-404-010	CAP, ELECT 4.7-50 SME(HD)
C92	★87-010-188-019	CAP, CHIP S 6800P-50 B(E, K)	C173	★87-010-198-010	CAP, CHIP S 0.022-25 B(HD)
C92	★87-010-189-019	CAP, CHIP S 8200P-50 B(H, LH, U)	C174	★87-012-141-010	CAP, CHIP S 0.22-16 F(HD)
C92	★87-010-378-010	CAP, ELECT 10-16(HD)	C175	★87-010-401-010	CAP, ELECT 1-50 SME(HD)
C93	★87-010-178-019	CAP, CHIP S 1000P-50 B	C176	★87-010-401-010	CAP, ELECT 1-50 SME(HD)
		(H, LH, U, E, K)	C177	★87-010-263-010	CAP, ELECT 100-10(HD)
C93	★87-012-158-010	CAP, CHIP S 390P-50 CH(HD)	C178	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)
C94	★87-010-178-019	CAP, CHIP S 1000P-50 B	C179	★87-010-313-010	CAP, CHIP S 18P-50 CH(HD)
		(H, LH, U, E, K)	C180	★87-010-749-010	CAP, CHIP S 0.047-25 B(HD)
C94	★87-010-334-010	CAP, CHIP S 12P-50 UJ(HD)	C181	★87-010-749-010	CAP, CHIP S 0.047-25 B(HD)
C95	★87-010-188-019	CAP, CHIP S 6800P-50 B(E, K)	C182	★87-010-402-010	CAP, ELECT 2.2-50 SME(HD)
C95	★87-010-189-019	CAP, CHIP S 8200P-50 B(H, LH, U)	C183	★87-010-993-010	CAP, CHIP S 0.056-25 B(HD)
C95	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)	C184	★87-010-263-010	CAP, ELECT 100-10(HD)
C96	★87-010-544-019	CAP, ELECT 0.1-50 SME	C185	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)
C97	★87-010-221-019	CAP, ELECT 470-10(H, LH, U, E, K)	C186	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)
C98	★87-010-197-019	CAP, CHIP S 0.01-25 B(H, LH, U, E, K)	C187	★87-010-993-010	CAP, CHIP S 0.056-25 B(HD)
C105	★87-010-544-010	CAP, ELECT 0.1-50(HD)	C188	★87-010-993-010	CAP, CHIP S 0.056-25 B(HD)
C106	★87-010-544-010	CAP, ELECT 0.1-50(HD)	C189	★87-010-197-010	CAP, CHIP S 0.01-25 B(HD)
C107	★87-010-220-010	CAP, CHIP S 0.018-25 B(HD)	C190	★87-010-402-010	CAP, ELECT 2.2-50 SME(HD)
C108	★87-010-220-010	CAP, CHIP S 0.018-25 B(HD)	C195	★87-010-314-019	CAP, CHIP S 22P-50 CH(H, LH, U, E, K)
C111	★87-010-314-019	CAP, CHIP S 22P-50 CH(H, LH, U, E, K)	C210	★87-015-766-010	CAP, CHIP 150P-SL, K(HD)
C111	★87-010-221-010	CAP, ELECT 470-10(HD)	C303	★87-010-805-010	CAP, CHIP S 1-16F(HD)
C112	★87-010-314-019	CAP, CHIP S 22P-50 CH(H, LH, U, E, K)	C309	★87-010-405-010	CAP, ELECT 10-50 SME(HD)
C113	★87-010-178-019	CAP, CHIP S 1000P-50 B	CF1	★87-008-261-019	FILTER, SFE10. 7MA5-A(H, LH, U)
		(H, LH, U, E, K)	CF1	★87-008-264-019	FILTER, SFE10. 7MS2-A(E, K)
C115	★87-010-322-019	CAP, CHIP S 100P-50 CH	CF1	★87-008-335-010	FILTER, SFE10. 7MA5-HW(HD)
		(H, LH, U, E, K)	CF2	★87-008-261-019	FILTER, SFE10. 7MA5-A(H, LH, U)
C116	★87-010-322-019	CAP, CHIP S 100P-50 CH	CF2	★87-008-264-019	FILTER, SFE10. 7MS2-A(E, K)
		(H, LH, U, E, K)	CF2	★87-008-335-010	FILTER, SFE10. 7MA5-HW(HD)

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
IFT1	★87-008-458-019	IFT, FM (QUAD) PS(H, LH, U, E, K)	C43	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y
IFT1	★87-008-470-010	IFT, FM (QUAD) PS(HD)	C45	★87-010-374-019	CAP, ELECT 47-10
L1	★87-003-098-010	COIL 2.2UH(HD)	C50	★87-010-260-019	CAP, ELECT 47-25 SME
L2	★87-003-241-010	COIL, CHIP S 4.7UH(HD)	CER1	★87-030-258-019	VIB, CERAMIC KBR-4.0 MK
L3	★87-003-098-019	COIL 2.2UH(H, LH, U, E, K)	J1	★87-009-160-019	JACK ASSY, 2P(AUX/DAT/MD/DCC)
L4	★87-003-152-019	COIL 100UH(H, LH, U, E, K)	L1	★81-559-654-019	COIL TRAP MPX
L6	★87-003-152-019	COIL 100UH(H, LH, U, E, K)	L2	★81-559-654-019	COIL TRAP MPX
L6	★87-007-299-010	COIL OSC AM PS(HD)	L3	★87-003-149-019	COIL 47UH
L7	★87-007-253-019	COIL OSC LW PS(E, K)	L4	★87-003-149-019	COIL 47UH
L7	★87-006-176-010	COIL MW ANTENNA(HD)	L5	★87-003-098-019	COIL 2.2UH
L8	★87-007-301-019	COIL OSC MW PS(H, LH, U, E, K)	L10	★87-003-152-019	COIL 100UH
L14	★87-003-149-010	COIL 47UH(HD)	LCD1	★81-NKB-604-019	LCD E5300/E5336 (COMPACT DISC/TUNER MULTIPLEX DISPLAY)
L15	★87-003-246-019	COIL, CHIP 33UH(H, LH, U, E, K)	ΔR11	★87-029-108-019	RES, FUSE 1.0-1/2W FM
MFT1	★87-008-460-019	FILTER, CFMT 450PS	ΔR12	★87-029-089-019	RES, FUSE 4.7-1/4W FM
SFR1	★87-024-173-019	SFR, 22K(H, LH, U, E, K)	ΔR21	★87-029-019-019	RES, FUSE 2.2-1/2W FM
SFR1	★87-024-353-010	SFR, 10K DIA6 H(HD)	ΔR29	★87-029-105-019	RES, FUSE 10-1/2W FM
SFR2	★87-024-172-019	SFR, 10K(H, LH, U, E, K)	X1	★87-030-238-019	VIB, XTAL 4.19M 10PPM
VC1	★87-002-283-019	VARICAP, CHIP SVC209-TA	===CD MAIN CIRCUIT BOARD SECTION===		
VC2	★87-002-283-019	VARICAP, CHIP SVC209-TA	C1	★87-010-382-019	CAP, ELECT 22-25 SME
VC3	★87-026-435-019	VARICAP, CHIP KV1560(E, K)	C2	★87-018-097-019	CAP, CERA-SOL SS 2.2P-50 SL
VC3	★87-002-283-010	VARICAP, CHIP SVC209-TA(HD)	C3	★87-018-209-019	CAP, CERA-SOL SS 0.1-50 F
VC4	★87-026-435-019	VARICAP, CHIP KV1560	C4	★87-018-113-019	CAP, CERA-SOL SS 33P-50 SL
X1	★87-030-243-019	VIB, XTAL 7.2 MHZ	C6	★87-010-248-019	CAP, ELECT 220-10 SME
X2	★87-030-218-019	VIB, CERAMIC KBR-457 HS15	C7	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y
X3	★87-030-257-010	VIB, CERAMIC CSA 3.60MG(HD)	C9	★87-010-545-019	CAP, ELECT 0.22-50 SME
===MAIN CIRCUIT BOARD SECTION===			C10	★87-010-263-019	CAP, ELECT 100-10
C1	★87-018-117-019	CAP, CERA-SOL SS 68P-50 SL	C11	★87-010-401-019	CAP, ELECT 1-50 SME
C2	★87-018-117-019	CAP, CERA-SOL SS 68P-50 SL	C12	★87-010-248-019	CAP, ELECT 220-10 SME
C3	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C13	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y
C4	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C15	★87-010-265-019	CAP, ELECT 33-16 SME
C5	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C16	★87-010-403-019	CAP, ELECT 3.3-50 SME
C6	★87-010-405-019	CAP, ELECT 10-50 SME	C17	★87-010-374-019	CAP, ELECT 47-10
C8	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C22	★87-018-205-019	CAP, CERA-SOL SS 0.022-25 F
C9	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C23	★87-018-117-019	CAP, CERA-SOL SS 68P-50 SL
C10	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C24	★87-010-248-019	CAP, ELECT 220-10 SME
C11	★87-010-387-019	CAP, ELECT 470-25V	C25	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y
C12	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C26	★87-010-371-019	CAP, ELECT 470-6.3
C13	★87-010-382-019	CAP, ELECT 22-25 SME	C27	★87-010-236-019	CAP, ELECT 1000-10
C14	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C28	★87-018-209-019	CAP, CERA-SOL SS 0.1-50 F
C15	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C29	★87-018-209-019	CAP, CERA-SOL SS 0.1-50 F
C16	★87-010-384-019	CAP, ELECT 100-25 SME	C30	★87-018-209-019	CAP, CERA-SOL SS 0.1-50 F
C18	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C31	★87-018-209-019	CAP, CERA-SOL SS 0.1-50 F
C19	★87-010-374-019	CAP, ELECT 47-10	C32	★87-018-209-019	CAP, CERA-SOL SS 0.1-50 F
C20	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C33	★87-018-109-019	CAP, CERA-SOL SS 22P-50 SL
C21	★87-010-263-019	CAP, ELECT 100-10	C34	★87-018-109-019	CAP, CERA-SOL SS 22P-50 SL
C22	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C35	★87-010-263-019	CAP, ELECT 100-10
C23	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C36	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y
C24	★87-010-248-019	CAP, ELECT 220-10 SME	C37	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y
C25	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C38	★87-010-263-019	CAP, ELECT 100-10
C26	★87-010-405-019	CAP, ELECT 10-50 SME	C39	★87-018-131-019	CAP, CERA-SOL SS 1000P-50 B
C27	★80-AT1-616-019	CAP, EDL 0.047-5.5	C43	★87-018-209-019	CAP, CERA-SOL SS 0.1-50 F
C28	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C44	★87-010-248-019	CAP, ELECT 220-10 SME
C29	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C45	★87-018-119-019	CAP, CERA-SOL SS 100P-50 B
C30	★87-018-150-019	CAP, CERA-SOL SS 18P-50 CH	C46	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y
C31	★87-018-149-019	CAP, CERA-SOL SS 15P-50 CH	C47	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y
C32	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y	C49	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y
C33	★87-010-544-019	CAP, ELECT 0.1-50	C50	★87-010-371-019	CAP, ELECT 470-6.3
C34	★87-010-248-019	CAP, ELECT 220-10 SME	C51	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y
C35	★87-010-263-019	CAP, ELECT 100-10	C52	★87-010-401-019	CAP, ELECT 1-50 SME
C36	★87-010-263-019	CAP, ELECT 100-10	C53	★87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y
C37	★87-010-263-019	CAP, ELECT 100-10	C199	★87-018-119-019	CAP, CERA-SOL SS 100P-50 B
C38	★87-018-201-019	CAP, CERA-SOL SS 5600P-16 X	C901	★87-010-405-019	CAP, ELECT 10-50 SME
C39	★87-018-201-019	CAP, CERA-SOL SS 5600P-16 X	C902	★87-010-405-019	CAP, ELECT 10-50 SME
C40	★87-018-117-019	CAP, CERA-SOL SS 68P-50 SL	C903	★87-018-123-019	CAP, CERA-SOL SS 220P-50 B
C41	★87-018-117-019	CAP, CERA-SOL SS 68P-50 SL	C904	★87-018-123-019	CAP, CERA-SOL SS 220P-50 B
C42	★87-018-131-019	CAP, CERA-SOL SS 1000P-50 B	L1	★87-003-152-019	COIL 100UH

REF. NO.	PART NO.	DESCRIPTION
L2	★87-003-152-019	COIL 100UH
SFR1	★87-024-171-019	SFR, 4. 7K DIA6 V
SFR2	★87-024-176-019	SFR, 100K DIA6 V
X1	★87-030-221-019	CERALOCK 16. 93MHZ
===VOLUME CIRCUIT BOARD SECTION===		
C300	★87-018-134-019	CAP, CERA-SOL SS 0. 01-16 Y
C301	★87-018-134-019	CAP, CERA-SOL SS 0. 01-16 Y
C306	★87-018-131-019	CAP, CERA-SOL SS 1000P-50 B
C307	★87-018-131-019	CAP, CERA-SOL SS 1000P-50 B
C308	★87-010-263-019	CAP, ELECT 100-10
C309	★87-010-248-019	CAP, ELECT 220-10 SME
C310	★87-010-248-019	CAP, ELECT 220-10 SME
C311	★87-010-400-019	CAP, ELECT 0. 47-50 SME
C312	★87-010-400-019	CAP, ELECT 0. 47-50 SME
VOL1	★81-NKB-643-019	MOTOR, VR 50KB L15 (VOLUME)
M1	+	+
VOL2	★87-024-339-019	VR, 20KDX2 (T-BASS)
VOL3	★87-024-340-019	VR, 20KAX2 (TREBLE)
VOL4	★87-024-341-019	VR, 5KA (BBE)
VOL5	★81-NKB-644-019	VR, 100KW (BALANCE)
===SUB CIRCUIT BOARD SECTION===		
C200	★87-010-401-019	CAP, ELECT 1-50 SME
C201	★87-010-401-019	CAP, ELECT 1-50 SME
C202	★87-010-401-019	CAP, ELECT 1-50 SME
C203	★87-010-405-019	CAP, ELECT 10-50 SME
C204	★87-010-401-019	CAP, ELECT 1-50 SME
C205	★87-010-401-019	CAP, ELECT 1-50 SME
C206	★87-018-205-019	CAP, CERA-SOL SS 0. 022-25 F
C207	★87-018-205-019	CAP, CERA-SOL SS 0. 022-25 F
C210	★87-010-401-019	CAP, ELECT 1-50 SME
C211	★87-010-401-019	CAP, ELECT 1-50 SME
C212	★87-010-404-019	CAP, ELECT 4. 7-50 SME
C213	★87-010-404-019	CAP, ELECT 4. 7-50 SME
C216	★87-018-119-019	CAP, CERA-SOL SS 100P-50 B
C217	★87-018-119-019	CAP, CERA-SOL SS 100P-50 B
C218	★87-010-545-019	CAP, ELECT 0. 22-50 SME
C219	★87-010-545-019	CAP, ELECT 0. 22-50 SME
C220	★87-018-205-019	CAP, CERA-SOL SS 0. 022-25 F
C221	★87-018-205-019	CAP, CERA-SOL SS 0. 022-25 F
C222	★87-010-400-019	CAP, ELECT 0. 47-50 SME
C223	★87-010-400-019	CAP, ELECT 0. 47-50 SME
C224	★87-010-401-019	CAP, ELECT 1-50 SME
C225	★87-010-404-019	CAP, ELECT 4. 7-50 SME
C226	★87-018-123-019	CAP, CERA-SOL SS 220P-50 B
C227	★87-010-401-019	CAP, ELECT 1-50 SME
C228	★87-010-382-019	CAP, ELECT 22-25 SME
C229	★87-018-123-019	CAP, CERA-SOL SS 220P-50 B
C230	★87-010-263-019	CAP, ELECT 100-10
C231	★87-010-382-019	CAP, ELECT 22-25 SME
C232	★87-010-382-019	CAP, ELECT 22-25 SME
C233	★87-010-248-019	CAP, ELECT 220-10 SME
C234	★87-010-401-019	CAP, ELECT 1-50 SME
C235	★87-018-134-019	CAP, CERA-SOL SS 0. 01-16 Y
C236	★87-018-134-019	CAP, CERA-SOL SS 0. 01-16 Y
C237	★87-018-134-019	CAP, CERA-SOL SS 0. 01-16 Y
C238	★87-018-134-019	CAP, CERA-SOL SS 0. 01-16 Y
C239	★87-018-205-019	CAP, CERA-SOL SS 0. 022-25 F
C240	★87-010-404-019	CAP, ELECT 4. 7-50 SME
C241	★87-010-404-019	CAP, ELECT 4. 7-50 SME
C242	★87-010-401-019	CAP, ELECT 1-50 SME
C243	★87-010-401-019	CAP, ELECT 1-50 SME
C244	★87-010-400-019	CAP, ELECT 0. 47-50 SME

==FUNCTION CIRCUIT BOARD SECTION==

LED500	87-001-590-010	LED GL1PR111 (TAPE)
LED501	87-001-590-010	LED GL1PR111 (MD/DAT/DCC)
LED502	87-001-590-010	LED GL1PR111 (TUNER)

REF. NO.	PART NO.	DESCRIPTION
LED503	87-001-590-010	LED GL1PR111 (CD)
LED504	87-002-811-010	LED GL1HY111 (DISC TRAY BACK LIGHT)
LED505	87-002-811-010	LED GL1HY111 (DISC TRAY BACK LIGHT)
LED506	87-002-811-010	LED GL1HY111 (DISC TRAY BACK LIGHT)
LED507	87-002-811-010	LED GL1HY111 (DISC TRAY BACK LIGHT)
LED508	87-002-811-010	LED GL1HY111 (DISC TRAY BACK LIGHT)
LED509	87-002-811-010	LED GL1HY111 (DISC TRAY BACK LIGHT)
SW500	★87-036-142-019	TACT SW (TAPE)
SW501	★87-036-142-019	TACT SW (MD/DAT/DCC)
SW502	★87-036-142-019	TACT SW (TUNER)
SW503	★87-036-142-019	TACT SW (CD)

===CONTROL CIRCUIT BOARD SECTION===

SW400	★87-036-142-019	TACT SW (POWER)
SW401	★87-036-142-019	TACT SW (◀DOWN)
SW402	★87-036-142-019	TACT SW (▶▶PLAY/PAUSE)
SW403	★87-036-142-019	TACT SW (DISPLAY)
SW404	★87-036-142-019	TACT SW (▶▶UP)
SW405	★87-036-142-019	TACT SW (■STOP)
SW406	★87-036-142-019	TACT SW (MEMORY/SET)
SW407	★87-036-142-019	TACT SW (BAND)

SW408	★87-036-142-019	TACT SW (OPEN/CLOSE)
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===ANT CIRCUIT BOARD SECTION===

CON700	★87-033-224-019	TERMINAL, ANT 2P (FM 75)
CON701	★87-009-086-019	CONNECTOR 3P S3B-XH-A <BLK> (AM LOOP)
FC700	★81-NKB-632-019	FLAT CABLE 2P ANT
FC701	★81-NKB-632-019	FLAT CABLE 2P ANT

===LAMP CIRCUIT BOARD SECTION===

FC800	★81-NKB-626-019	FLAT CABLE 2P LAMP
PL800	★87-035-429-010	LAMP HRS-4110A (LCD BACK LIGHT)
PL801	★87-035-429-010	LAMP HRS-4110A (LCD BACK LIGHT)

===LED CIRCUIT BOARD SECTION===

LED600	87-001-590-010	LED GL1PR111 (VOLUME INDICATOR)
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==MOTOR-1 CIRCUIT BOARD SECTION==

M1	9X-262-513-210	MOTOR GEAR ASSY (SLED)
M2	9X-262-513-310	MOTOR ASSY (W/CHASSIS T. T) (SPINDLE)
SW1	91-572-085-110	LEAF SW (INSIDE LIMIT)

===MOTOR-2 CIRCUIT BOARD SECTION===

M3	9X-262-511-710	MOTOR ASSY (LOADING)
SW2	91-572-086-110	LEAF SW (OPEN)
SW3	91-572-086-110	LEAF SW (CLOSE)

===LOOP CIRCUIT BOARD SECTION===

C900	★87-018-205-019	CAP, CERA-SOL SS 0. 022-25 F (E, K)
C901	★87-018-209-019	CAP, CERA-SOL SS 0. 1-50 F (E, K)
C902	★87-018-205-019	CAP, CERA-SOL SS 0. 022-25 F
C903	★87-018-205-019	CAP, CERA-SOL SS 0. 022-25 F (H, LH, U)
C903	★87-018-209-019	CAP, CERA-SOL SS 0. 1-50 F (E, K)
C904	★87-018-205-019	CAP, CERA-SOL SS 0. 022-25 F
L1	★81-NKB-656-019	COIL, ANT LW 3B (E, K)
L2	★81-006-176-019	COIL, ANT MW

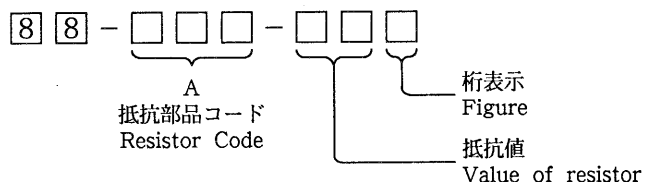
===MISCELLANEOUS===

	98-848-127-11Z	OPTICAL PICK UP KSS-210A
	★89-VT5-202-010	BUSHING, CORD
FC300	★81-NKB-624-019	FLAT CABLE 14P VOL

REF. NO.	PART NO.	DESCRIPTION
FC400	★81-NKB-625-019	FLAT CABLE 11P CTL
FC500	★81-NKB-623-019	FLAT CABLE 8P FUNC

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding

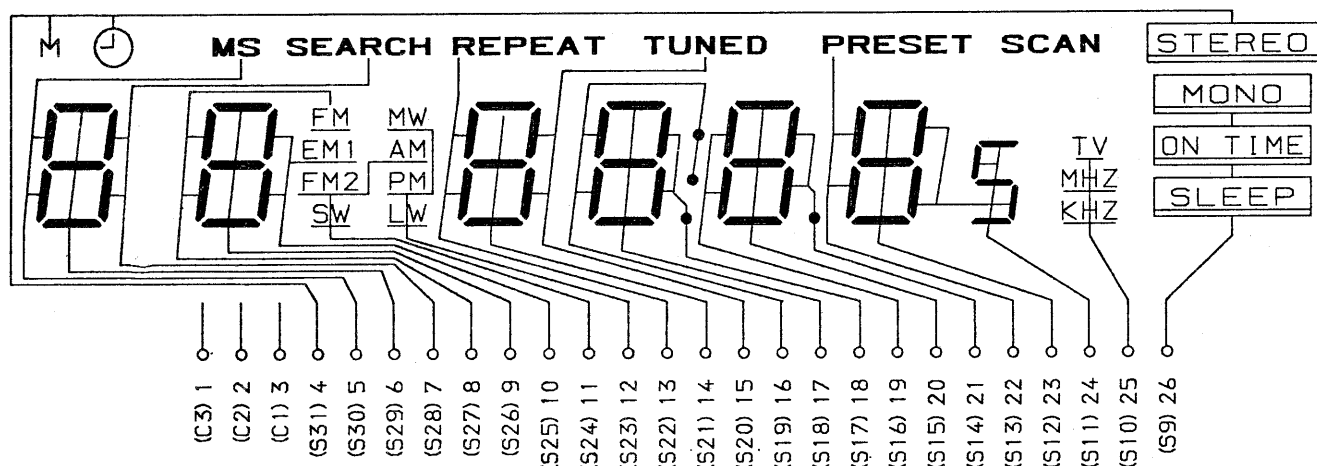


チップ抵抗
Chip resistor

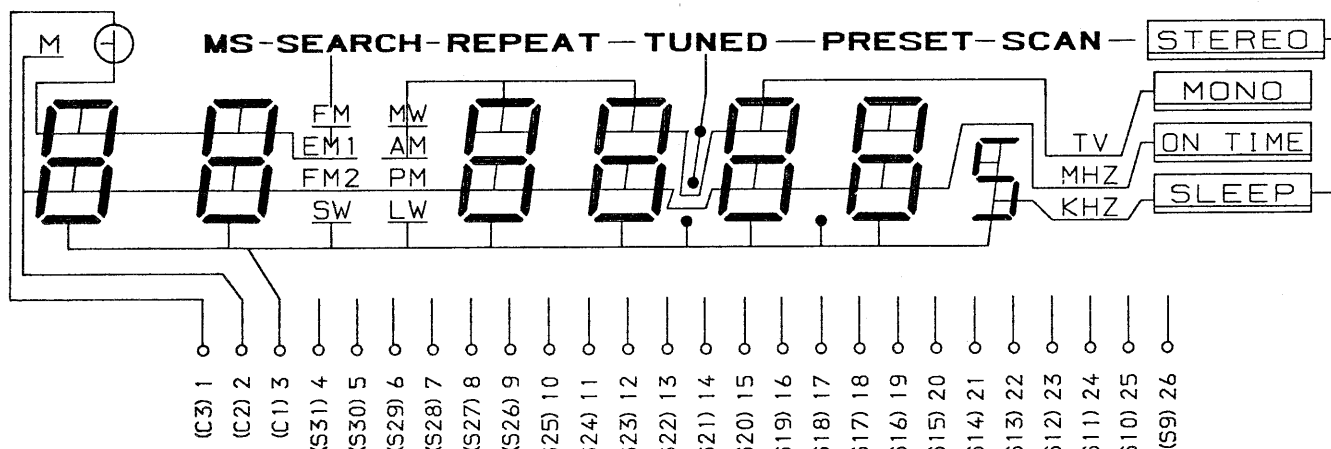
Chip Resistor				Dimensions/寸法 (mm)				Resistor Code : A	
Wattage 容量	Type 種類	Tolerance 許容誤差	Symbol 記号	Form/外形	L	W	t	抵抗コード : A	
									
1/32W	1608	± 5 %	CJ			1.6	0.8	0.35	108
1/10W	2125	± 5 %	CJ			2	1.25	1.45	118
1/8W	3126	± 5 %	CJ		3.2	1.6	0.5 ~0.7	128	

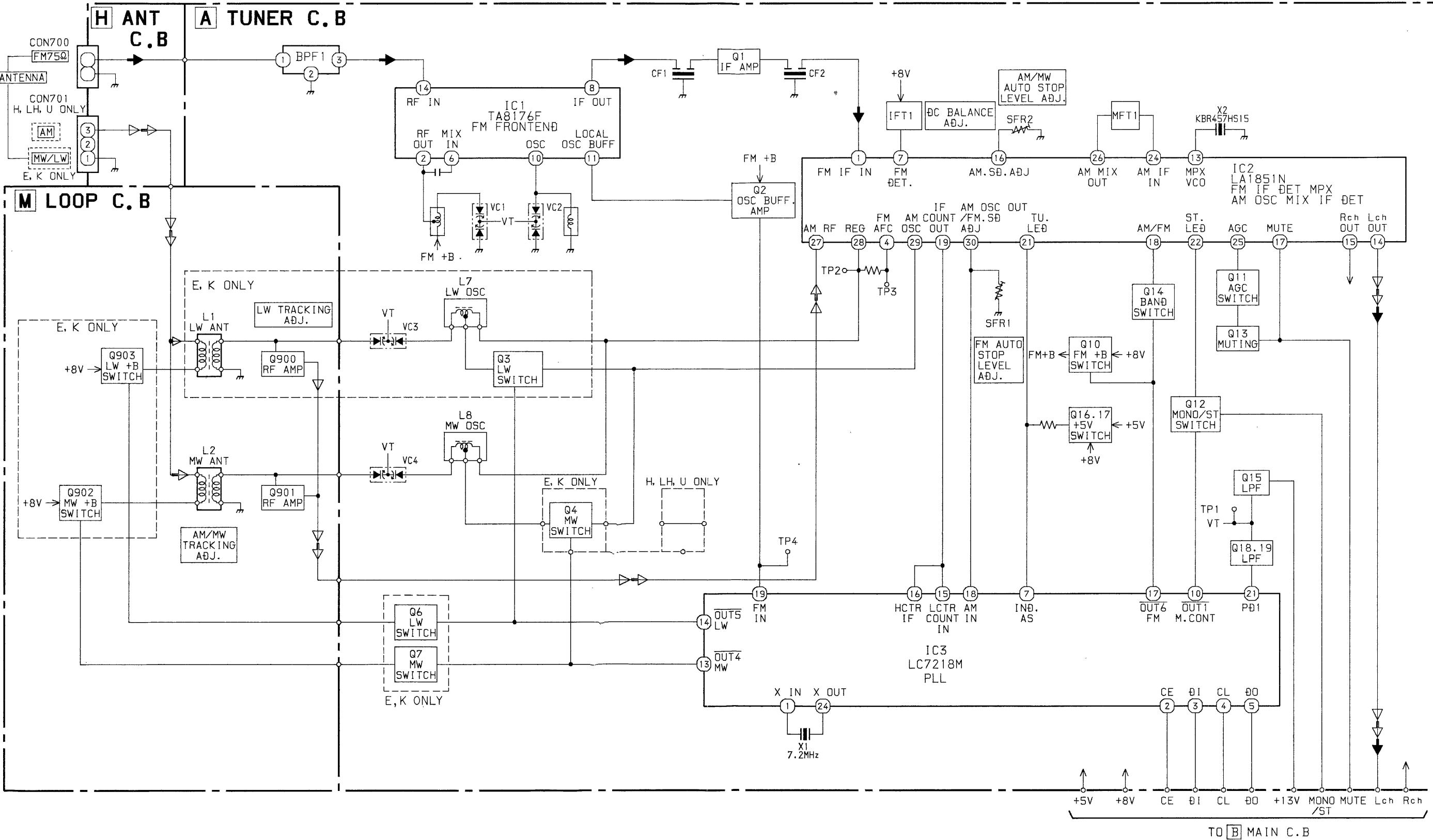
LCD DISPLAY (RDX - 01)

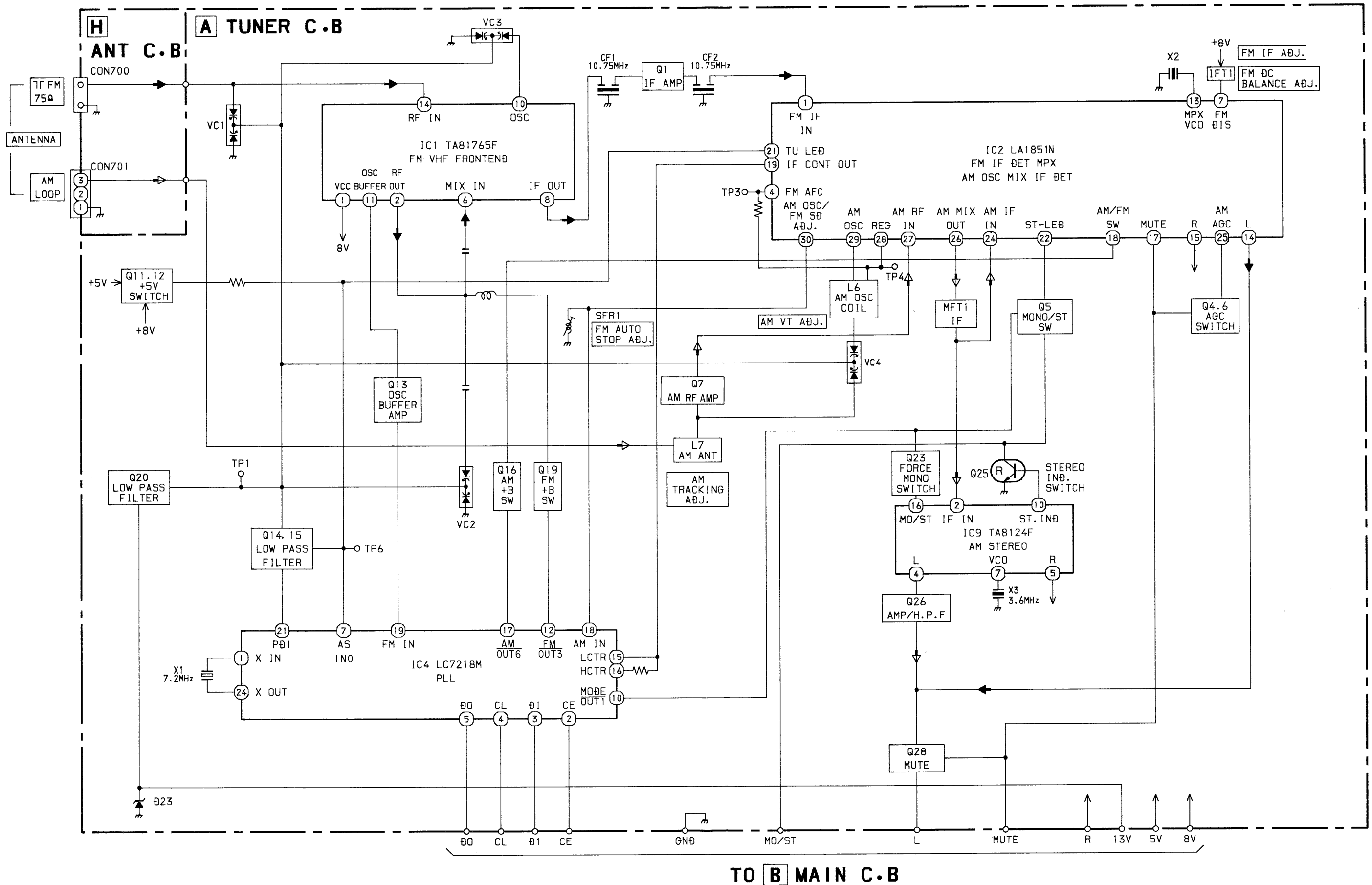
SEGMENT

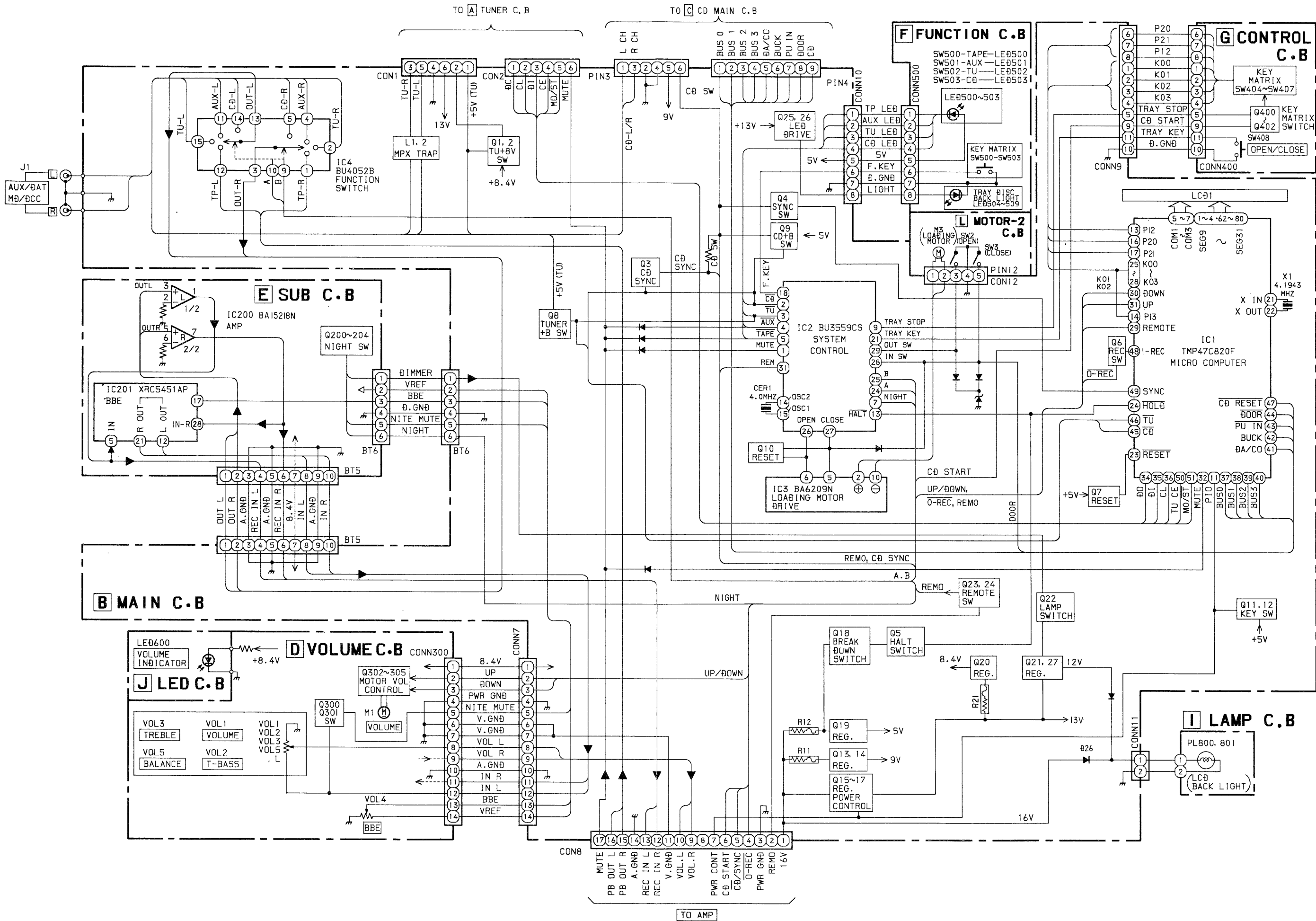


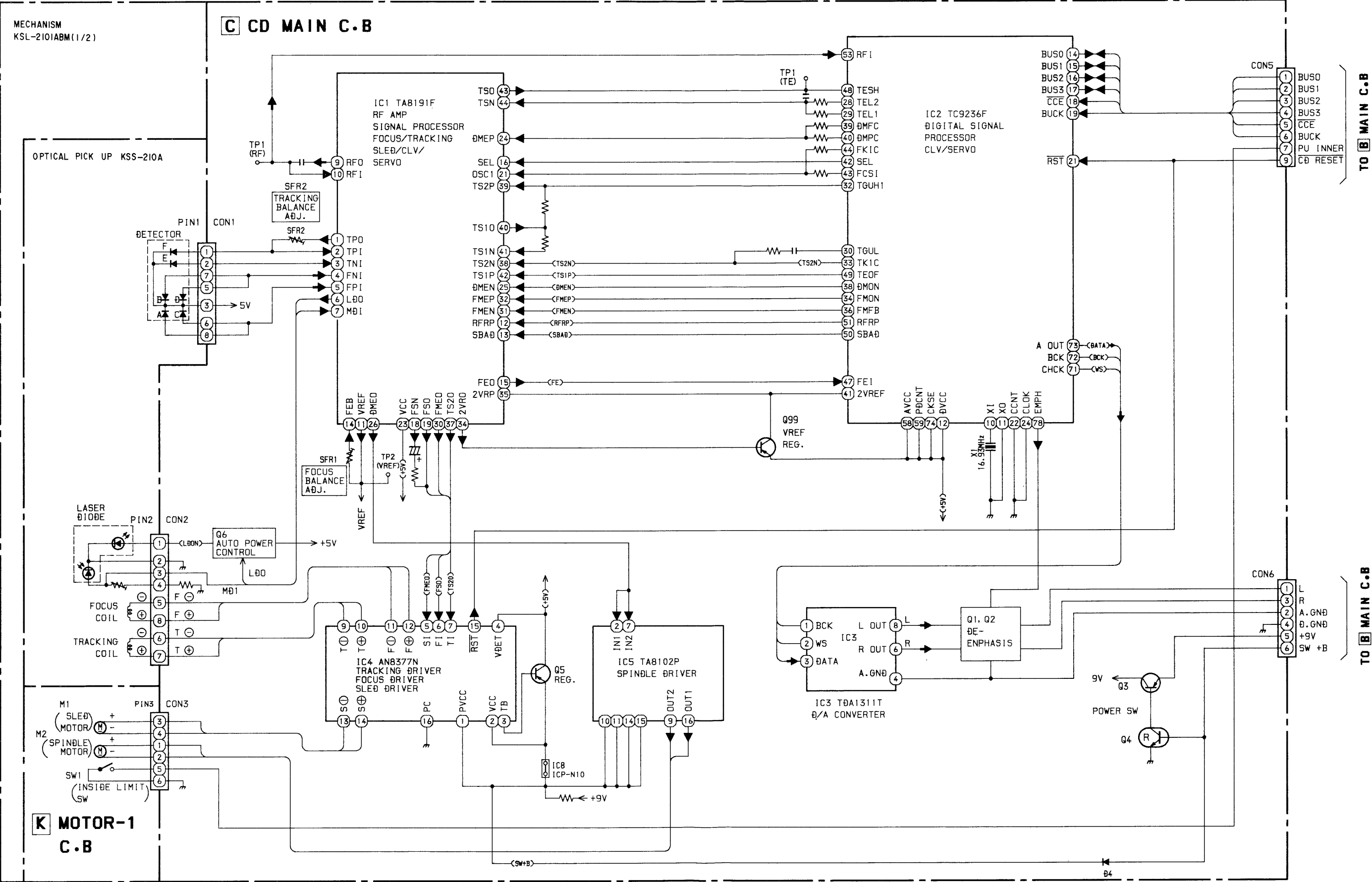
COMMON

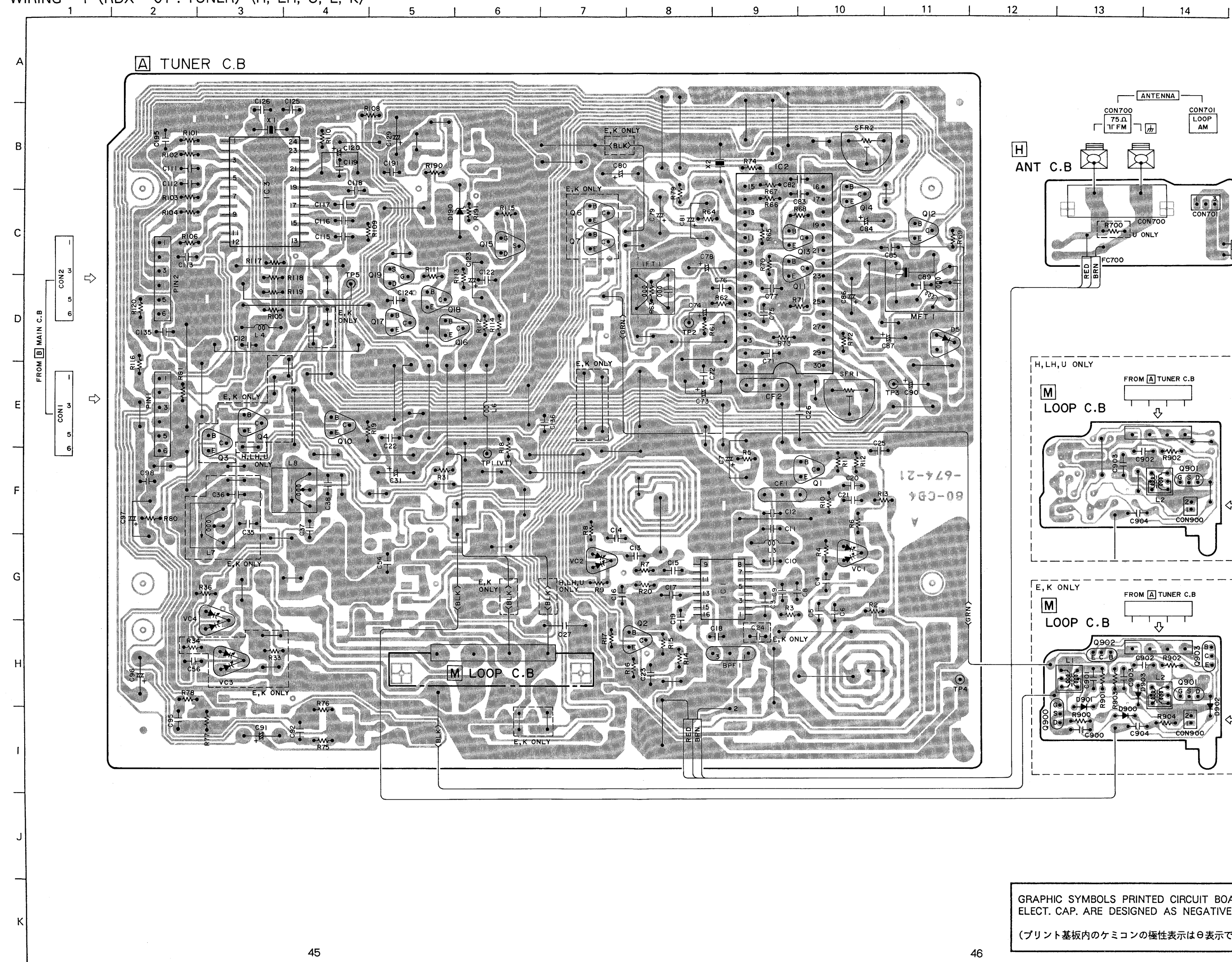




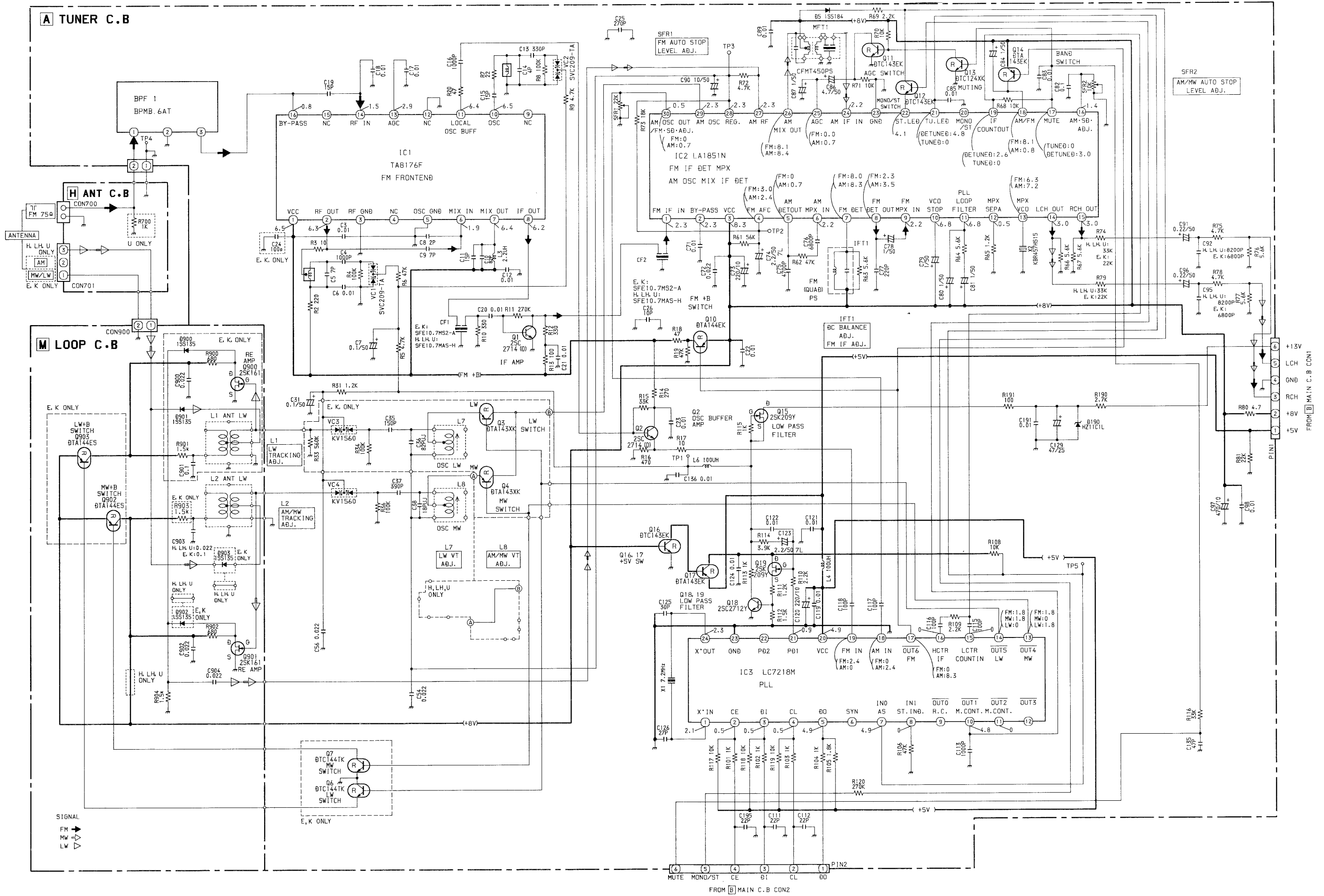


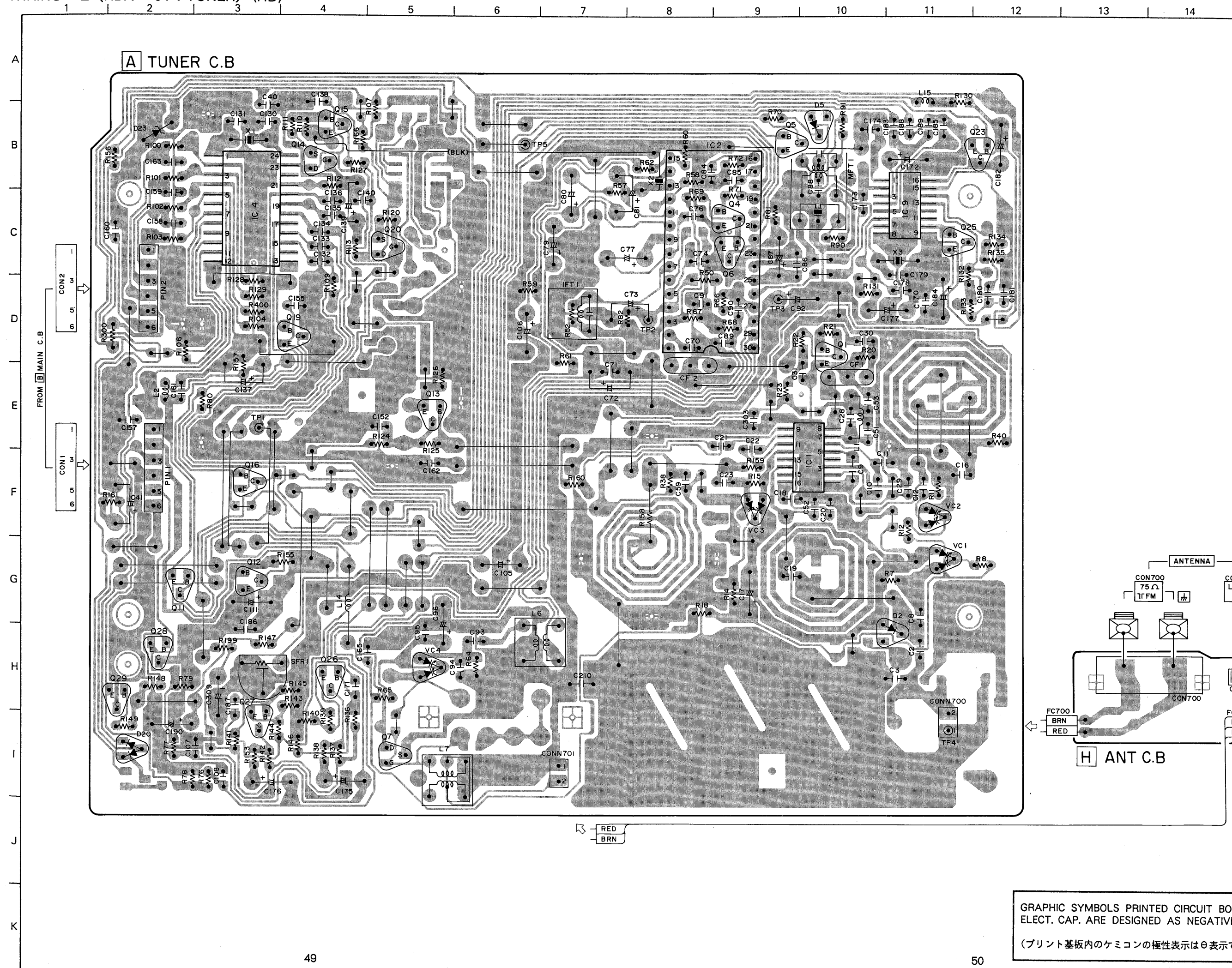


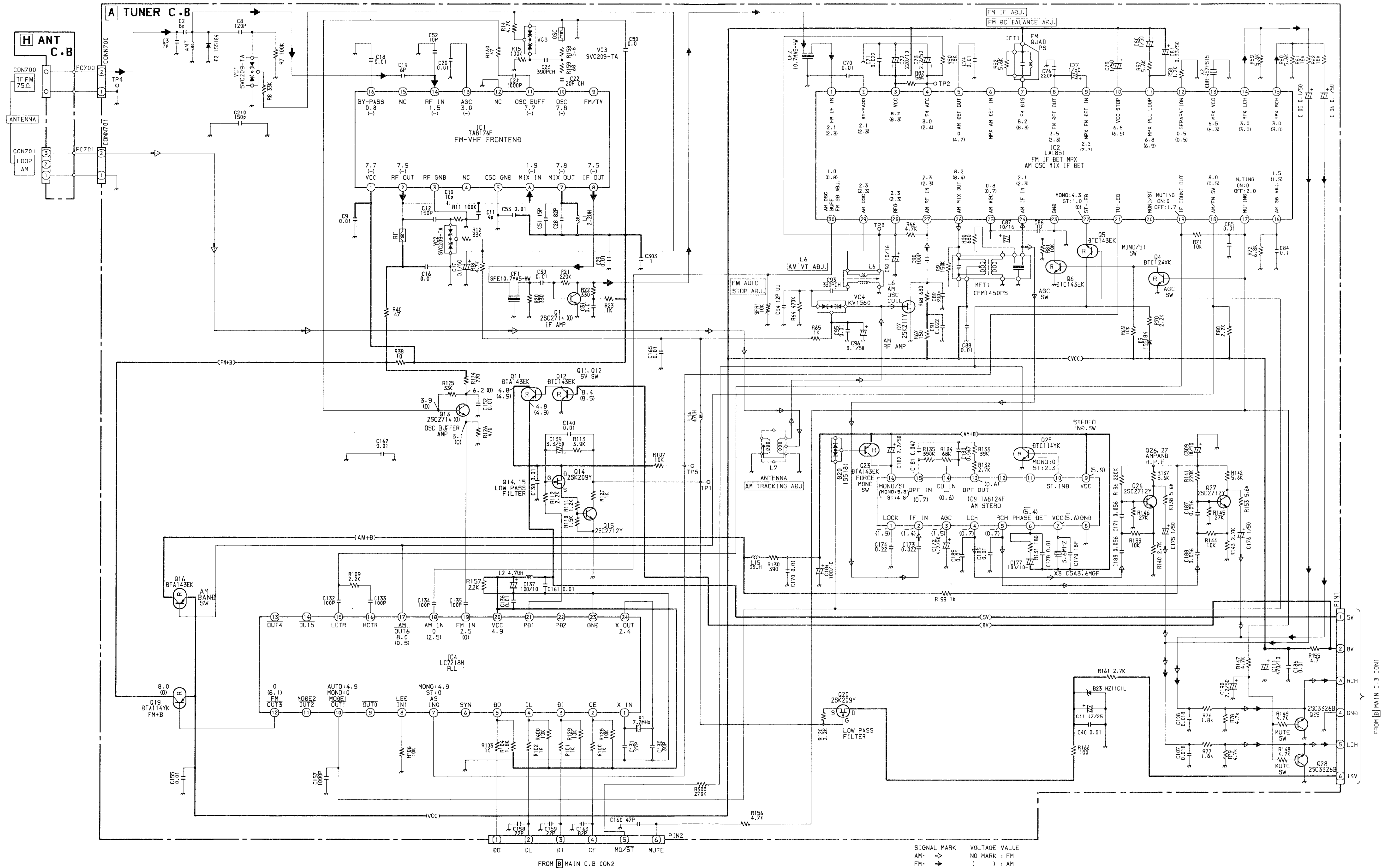




SCHEMATIC DIAGRAM - 1 (RDX - 01 : TUNER) (H, LH, U, E, K)

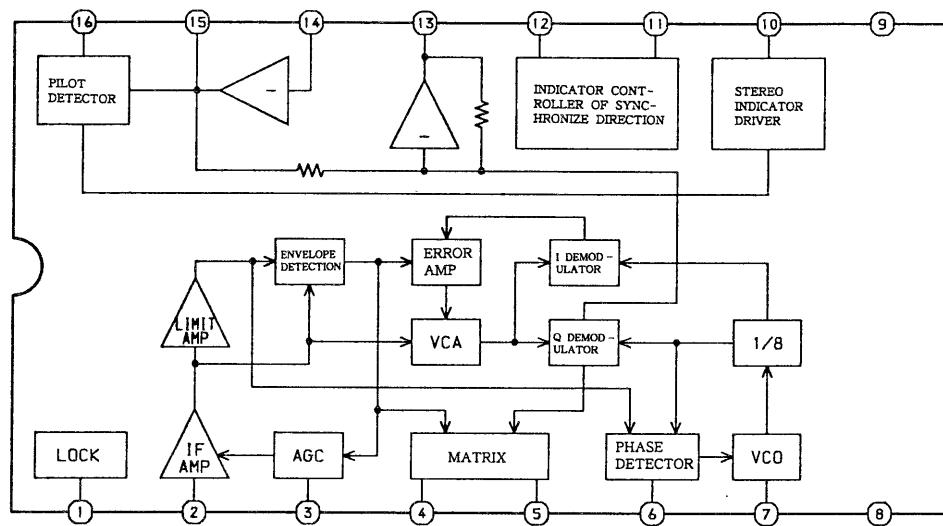




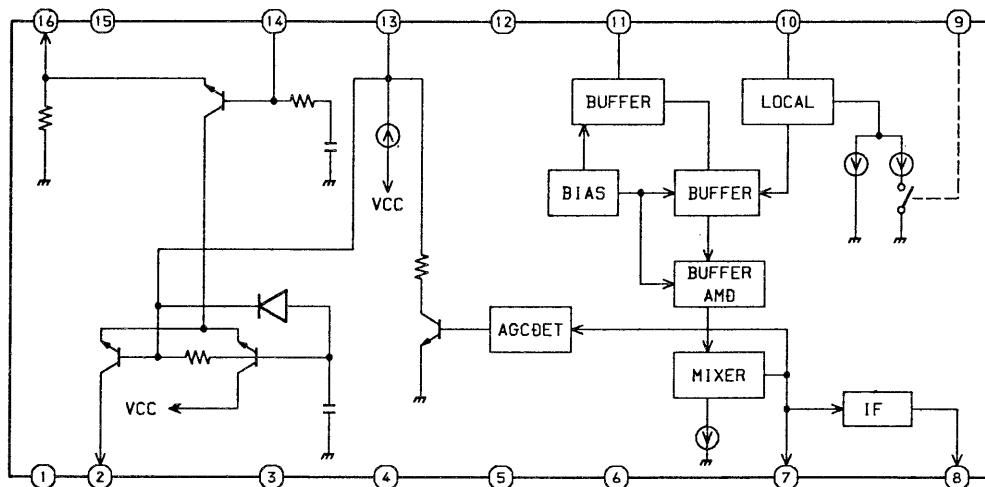


IC BLOCK DIAGRAM – 1 (RDX – 01)

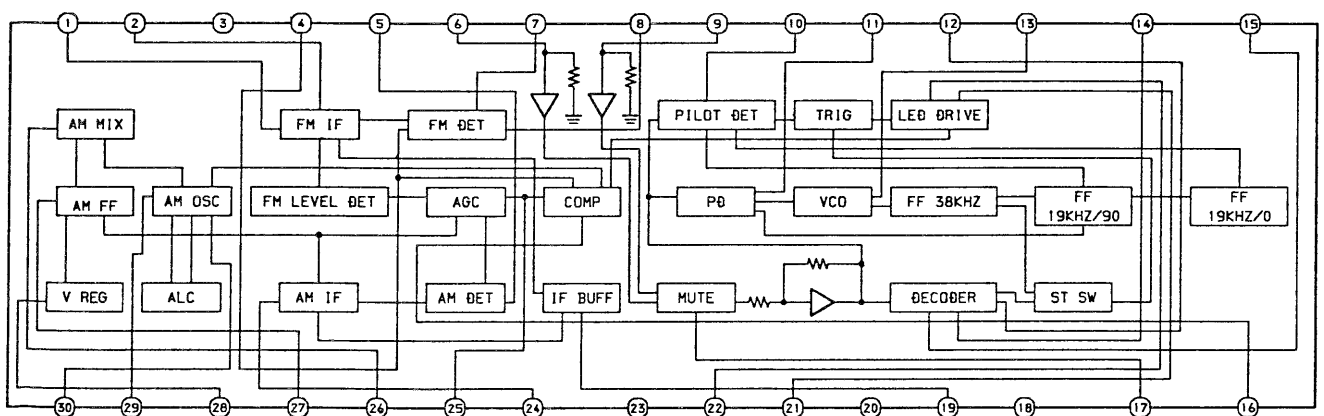
IC,TA8124



IC,TA8176F



IC,LA1851N



(プリント基板内のケミコンの極性表示は⊖表示です。)

The diagram illustrates the control panel of a portable CD player. It features a central control area with a 'SKIP/SEARCH' section containing 'UP — TUNING/TIME — DOWN' buttons (SW404, SW401) and a 'STOP' button (SW405). To the right is a 'PLAY/PAUSE' button (SW402). On the left side, there are three buttons: 'BAND' (SW407), 'DISPLAY' (SW403), and 'MEMORY / SET' (SW406). The bottom section includes a 'POWER' button (SW400) with a 'STANDBY / ON' indicator, and an 'OPEN / CLOSE' button (SW408). The circuitry includes transistors Q400, Q401, and Q402, diodes D400, D401, D403, and D405, and a connector CONN400. A power supply section at the bottom right shows a transformer T400 and a battery symbol. A legend at the bottom left defines the symbols for the components.

Legend:

- SW: Switch
- Q: Transistor
- D: Diode
- CONN: Connector
- T: Transformer
- BATT: Battery

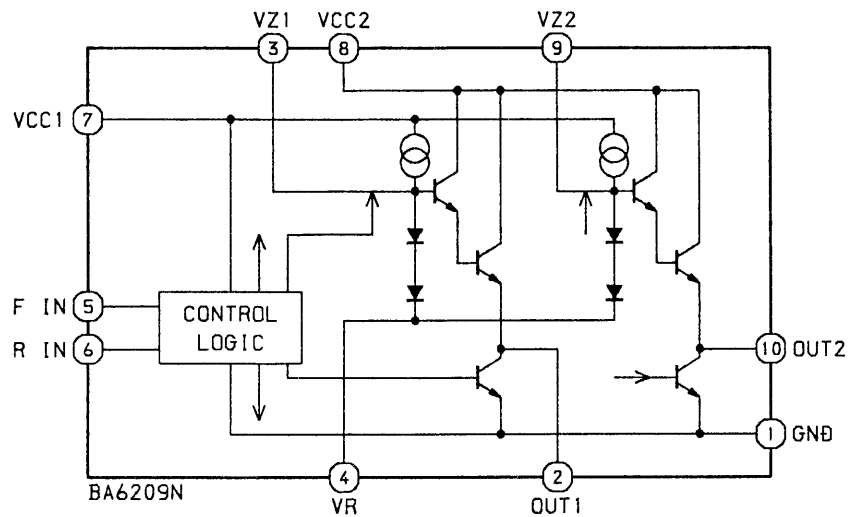
Component Labels:

- SW407 BAND
- SW403 DISPLAY
- SW406 MEMORY / SET
- SW404 UP — TUNING/TIME — DOWN
- SW401 SKIP/SEARCH
- SW405 STOP
- SW402 PLAY/PAUSE
- SW400 POWER ⬇ STANDBY / ON
- SW408 OPEN / CLOSE
- Q400
- Q401
- Q402
- D400
- D401
- D403
- D405
- CONN400
- T400
- BATT

[illegible]

IC BLOCK DIAGRAM – 2 (RDX – 01)

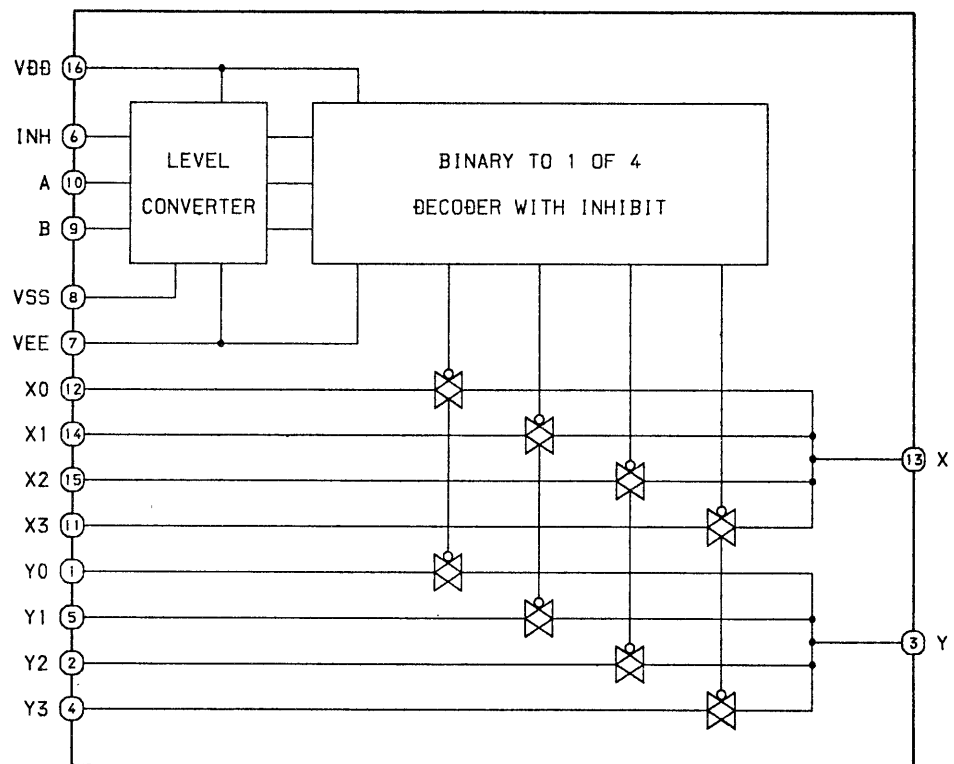
IC,BA6209



TRUTH TABLE

F IN	R IN	VOUT1	VOUT2	NOTES
L	L	L	L	BRAKE
H	L	H	L	CW
L	H	L	H	CCW
H	H	L	L	BRAKE

IC,BU4052B



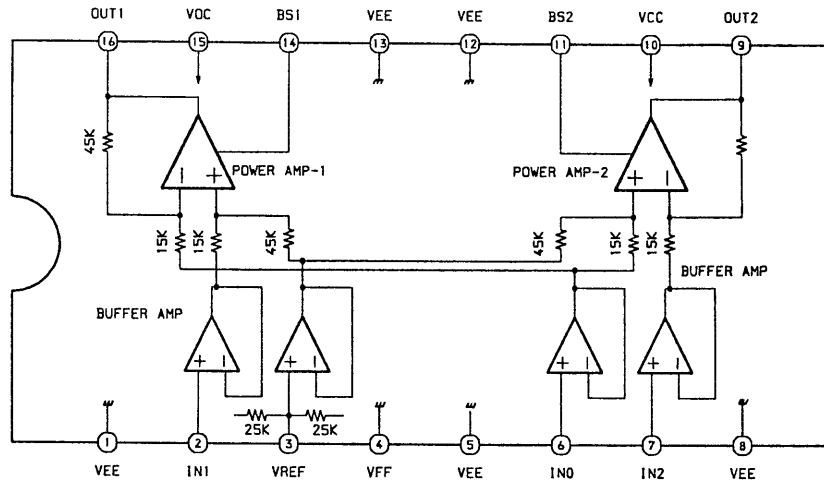
TRUTH TABLE

INHIBIT	A	B	ON SWITCH
L	L	L	X0 Y0
L	H	L	X1 Y1
L	L	H	X2 Y2
L	H	H	X3 Y3
H	X	X	NONE

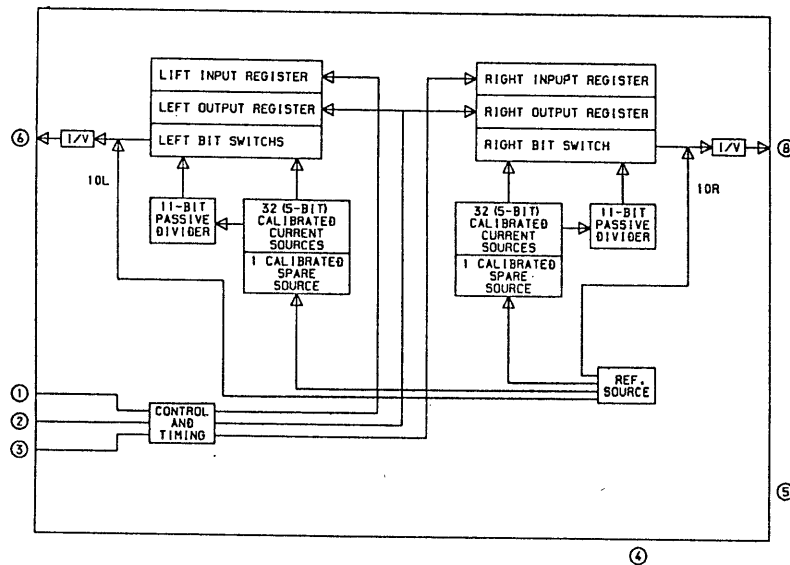
X: DON'T CARE.

IC BLOCK DIAGRAM – 3 (RDX – 01)

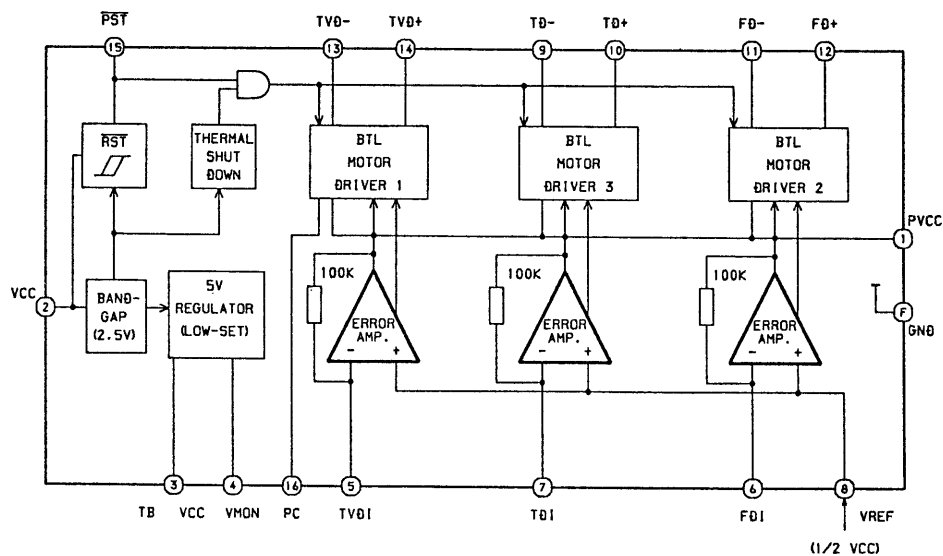
IC,TA8102P



IC,TDA1311T



IC,AN8377

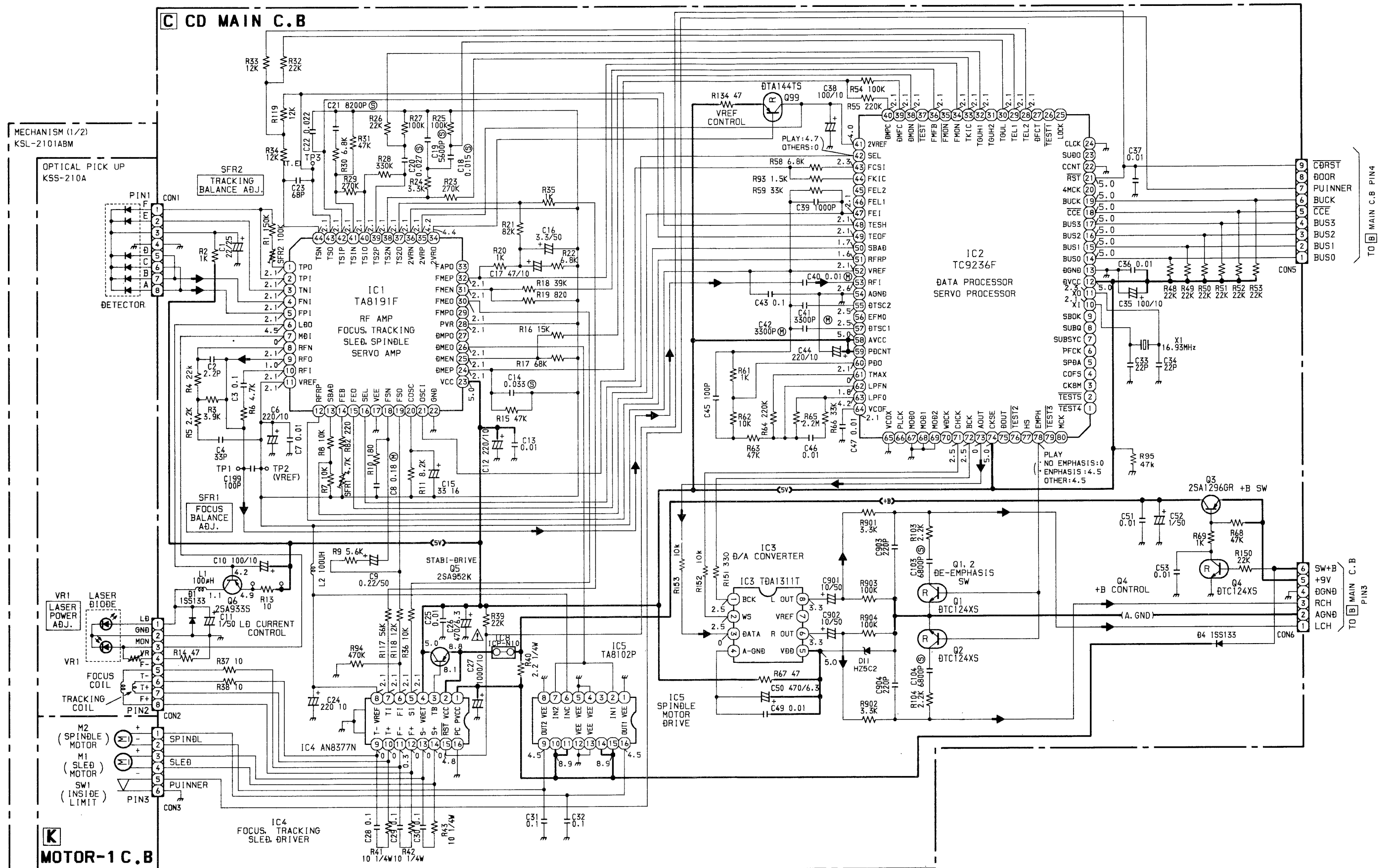




SW3
(CLOSE)

M3
(LOADING)
MOTOR

(プリント基板内のケミコンの極性表示は⊖表示です。)



IC, DESCRIPTION (RDX – 01)

IC,TC9236F

Pin No.	Pin Name	I/O	Description
1	TEST4	I	Test terminal. Normally "H" or open. (Not used.)
2	TEST5	I	Test terminal. Normally "H" or open. (Not used.)
3	CK8M	O	8M clock output terminal. (Not used.)
4	COFS	O	Correction system frame frequency signal output terminal. 7.35kHz (Not used.)
5	SPDA	O	Processor status signal output terminal. Correction/discrimination data, memory buffer capacity, etc. (Not used.)
6	PFCK	O	Playback system frame frequency signal output terminal. 7.35kHz (Not used.)
7	SUBSYC	O	Subcode sync signal output terminal. (Not used.)
8	SUBQ	O	Subcode Q data output terminal. (Not used.)
9	SBOK	O	Subcode Q data CRC check data output terminal. OK when "H". (Not used.)
10	XI	I	Crystal oscillator connection terminal.
11	XO	O	
12	DVCC	—	Digital power voltage terminal. (+5V)
13	DGND	—	Digital GND terminal.
14 } 17	BUS0 } BUS3	I/O	Command and data send/receive I/O terminal.
18	CCE	I	Chip enable signal input terminal for command and data send/recieve. Bus line active when "L".
19	BUCK	I	Command and data send/receive clock input terminal.
20	4MCK	O	4M clock output terminal. 4.2336MHz (Not used.)
21	RST	I	Reset input terminal. Internal system reset when "L".
22	CCNT	I	Subcode Q data control bit update inhibition signal input terminal. Update inhibited when "H". (GND)
23	SUDO	O	Subcode P - W output terminal. (Not used.)
24	CLCK	I	Subcode P - W data read-out clock input terminal.
25	LOCK	O	Lock status output terminal. "L" when sync pattern signal in EFM signal is not detected within 17 ms in runaway detection. (Not used.)
26	TESTI	I	Test terminal. Normally "H" or open. (Not used.)
27	DFCT	O	Defect detection signal output terminal. VREF when a defect signal is detected; Normally HiZ. (Not used.)
28 29	TEL2 TEL1	O	Tracking gain adjustment analog switch output terminal. VREF or HiZ.
30	TGUL	O	Analog switch output terminal for switching the low range phase compensator of the tracking servo loop. HiZ (gain up) when shock signal is detected; VREF when gain up.
31 32	TGUH2 TGUH1	O	Analog switch output terminal for switching the middle and high range phase compensator of the tracking servo loop. HiZ (gain up) when shock signal is detected; normally VREF. TGUH1 is used when playing back in normal mode; TGUH2 when playing back in high speed mode. (TGUH2 is not used.)
33	TKIC	O	Tracking actuator kick signal output terminal. Kicked to an external cylinder when "H"; an internal cylinder when "L".
34 35	FMON FMON	O	Feed servo ON/OFF analog switch output terminal. (Pin 35 is not used.)

Feed servo	FMON	FMON
ON	HiZ	VREF
OFF	VREF	HiZ

Pin No.	Pin Name	I/O	Description			
36	FMFB	O	Feed motor FWD/BWD operation control signal output terminal. Feeds to an external cylinder when "H"; feeds to an internal cylinder when "L".			
37	TEST	I	Test terminal. Normally "H" or open. (Not used.)			
38	DMON	O	Analog switch output terminal for switching the gain of the disk motor drive circuit.			
39	DMFC	O	Disk motor CLV servo AFC signal output terminal.			
			Command	DMFC output	Operation	
			DMFK	H	Motor accelerated	
			DMSV	PWM	CLV servo ON	
			DMBK	L	Motor decelerated	
DMOFF	VREF	CLV servo OFF				
40	DMPC	O	Disk motor CLV servo APC signal output terminal.			
41	2VREF	I	Two times reference voltage input terminal. (VREF×2)			
42	SEL	O	Servo mode indication signal output terminal.			
			SEL	LD ON/OFF	Focus servo	Operation mode
			L	OFF	OFF	LD OFF
			HiZ	ON	OFF	Focus search
H	ON	ON	Normal PLAY etc., (Focus servo ON: FOK)			
43	FCSI	O	Focus actuator drive signal output terminal in focus search mode.			
			Command	FKIC output	Operation	
			FGASR	H	Lens distant from disk	
			FGSS	L	Lens near disk	
Others	HiZ	Other than focus search				
44	FKIC	O	Focus actuator drive signal output terminal in focus gain adjustment mode.			
			Command	FKIC output	Operation	
			FGASR	H	Lens distant from disk	
			FGSS	L	Lens near disk	
Other	HiZ	Other than focus gain adjustment				
45	FEL2	O	Focus gain adjustment analog switch output terminal. (Not used.)			
46	FEL1					
47	FEI	I	Focus error signal input terminal.			
48	TESH	I	Analog switch input terminal for sample-holding of the tracking error signal.			
49	TEOF	O	Analog switch input terminal for tracking servo ON/OFF. VREF when tracking servo is OFF.			
50	SBAD	I	Sub-beam add signal input terminal.			
51	RFRP	I	RF ripple signal input terminal.			
52	VREF	I	Reference voltage input terminal. (+2.2V)			
53	RFI	I	RF signal input terminal.			
54	AGND	—	Analog GND terminal.			
55	DTSC2	O	EFM signal negative-phase output terminal for data slice control.			
56	EFMO	O	EFM signal monitor output terminal. (Not used.)			
57	DTSC1	O	EFM signal positive-phase output terminal for data slice control.			
58	AVCC	—	Analog power voltage terminal. (+5V)			
59	PDCNT	I	PDO output control terminal. PDO output is involuntarily set to HiZ when "L".			
60	PDO	O	Output terminal for phase difference signal between EFM and PLCK signals.			

Pin No.	Pin Name	I/O	Description	
6 1	TMAX	O	TMAX signal output terminal. HiZ in system lock.	
			TMAX cycle	TMAX output
			Longer than specified cycle	L
			Shorter than specified cycle	H(2VREF)
			Specified cycle	HiZ
6 2	LPFN	I	LPF amplifier negative-phase input terminal for PLL.	
6 3	LPFO	O	LPF amplifier output terminal for PLL.	
6 4	VCOF	I	VCO filter terminal.	
6 5	VCOX	I	External VCO clock input terminal. (GND)	
6 6	PLCK	O	Playback data read clock output terminal. (Not used.)	
6 7	MOD0	I	Internal operation mode setting input terminal. (GND)	
6 8	MOD1			
6 9	MOD2			
7 0	WDCK	O	Word clock output terminal. Normally 88.2kHz. (Not used.)	
7 1	CHCK	O	Channel clock output terminal. Normally 44.1kHz.	
7 2	BCK	O	Bit clock output terminal. Normally 1.4112MHz.	
7 3	AOUT	O	Audio data output terminal.	
7 4	CKSE	I	Internal clock selection terminal. (+5V)	
7 5	DOUT	O	Digital OUT output terminal. (Not used.)	
7 6	TEST2	I	Test terminal. Normally "H" or open. (Not used.)	
7 7	HS	O	High-speed monitor output terminal. High-speed mode when "L". (Not used.)	
7 8	EMPH	O	Emphasis ON/OFF indication signal output terminal. Emphasis ON when "H".	
7 9	TEST3	I	Test terminal. Normally "H" or open. (Not used.)	
8 0	MCK	O	Master clock output terminal. (Not used.)	

IC,TA8191F

Pin No.	Pin Name	I/O	Description
1	TPO	O	Sub-beam I-V amplifier (TP AMP) output terminal.
2	TPI	I	Sub-beam I-V amplifier (TP AMP) input terminal.
3	TNI	I	Sub-beam I-V amplifier (TP AMP) input terminal.
4	FNI	I	Main-beam I-V amplifier (FN AMP) input terminal.
5	FPI	I	Main-beam I-V amplifier (FP AMP) input terminal.
6	LDO	O	Laser diode amplifier (LD AMP) output terminal.
7	MDI	I	Monitor photo diode amplifier (MD AMP) input terminal.
8	RFN	I	RF amplifier (RF AMP) negative-phase input terminal.
9	RFO	O	RF amplifier (RF AMP) output terminal.
10	RFI	I	RF ripple signal forming circuit input terminal.
11	VREF	O	Reference voltage output terminal. (+2.1V)
12	RFRP	O	RF ripple signal output terminal.
13	SBAD	O	Scratch detection signal output terminal.
14	FEB	I	Focus error balance adjustment input terminal.
15	FEO	O	Focus error amplifier (FE AMP) output terminal.
16	SEL	I	Analog switch control signal input terminal.
17	VEE	—	Power terminal. (GND)
18	FSN	I	Focus output amplifier (FS AMP) negative-phase input terminal.
19	FSO	O	Focus output amplifier (FS AMP) output terminal.
20	COSC	O	Capacitor connection terminal for focus search signal generation.
21	OSCI	I	Built-in power supply control input terminal for focus search signal generation.
22	GND	—	GND
23	VCC	I	Power supply terminal. (+5V)
24	DMEP	I	Disk motor amplifier (DM AMP) positive-phase input terminal.
25	DMEN	I	Disk motor amplifier (DM AMP) negative-phase input terminal.
26	DMEO	O	Disk motor amplifier (DM AMP) output terminal.
27	DMPO	O	Disk motor drive amplifier (DMP AMP) output terminal. (Not used.)
28	PVR	I	Drive amplifier reference voltage input terminal.
29	FMPO	O	Feed motor drive amplifier (FMP AMP) output terminal. (Not used.)
30	FMEO	O	Feed motor drive amplifier (FM AMP) output terminal.
31	FMEN	I	Feed motor amplifier (FM AMP) negative-phase input terminal.
32	FMEP	I	Feed motor amplifier (FM AMP) positive-phase input terminal.
33	FAP O	O	Focus actuator drive amplifier (FAP AMP) output terminal. (Not used.)
34	2VRO	O	2VREF amplifier (2VREF AMP) output terminal.
35	2VRP	I	2VREF amplifier (2VREF AMP) positive-phase input terminal.
36	2VRN	I	2VREF amplifier (2VREF AMP) negative-phase input terminal.
37	TS2O	O	Tracking servo amplifier 2 (TS2 AMP) output terminal.
38	TS2N	I	Tracking servo amplifier 2 (TS2 AMP) negative-phase input terminal.
39	TS2P	I	Tracking servo amplifier 2 (TS2 AMP) positive-phase input terminal.
40	TS1O	O	Tracking servo amplifier 1 (TS1 AMP) output terminal.

P i n N o.	P i n N a m e	I / O	D e s c r i p t i o n
4 1	T S 1 N	I	Tracking servo amplifier 1 (TS1 AMP) negative-phase input terminal.
4 2	T S 1 P	I	Tracking servo amplifier 1 (TS1 AMP) positive-phase input terminal.
4 3	T S O	O	Tracking output amplifier (TS AMP) output terminal.
4 4	T S N	I	Tracking output amplifier (TS AMP) negative-phase input terminal.

IC,LC7218M

P i n N o.	P i n N a m e	I / O	D e s c r i p t i o n
1	X I N	I	Connected to the crystal clock oscillator.
2	C E	I	Input terminal of control data from microcomputer TMP47C820F-N837.
3	D I	I	
4	C L	I	
5	D O	I	
6	S Y N	—	Not used.
7	A S I N 0	I	"L" when tuning. "H" in cases other than tuning.
8	L E D I N 1	I	"L" when stereo broadcasting. "H" in other case than stereo broadcasting.
9	$\overline{\text{O U T 0}}$	O	Not used.
1 0	M O D E 1 $\overline{\text{O U T 1}}$	O	Tuner sound mode selection output. AUTO MONO H L
1 1	M O D E 2 $\overline{\text{O U T 2}}$	—	Not used.
1 2	F M $\overline{\text{O U T 3}}$	—	Not used.
1 3	S W (M W) $\overline{\text{O U T 4}}$	O	Tuner band selection output.
1 4	M W (L W) $\overline{\text{O U T 5}}$	O	Tuner band selection output.
1 5	L C T R	I	IF COUNT for AUTO STOP. AM 450kHz input terminal.
1 6	H C T R	I	IF COUNT for AUTO STOP. FM 10.7MHz input terminal.
1 7	F M $\overline{\text{O U T 6}}$	O	Tuner band selection output. FM/AM
1 8	A M I N	I	AM oscillation frequency input.
1 9	F M I N	I	FM oscillation frequency input.
2 0	V C C	—	+5V power supply terminal.
2 1	P D 1	O	Tuning voltage control output.
2 2	P D 2	—	Not used.
2 3	G N D	—	GND
2 4	X O U T	O	Connected to crystal oscillator.

IC, BU3559CS

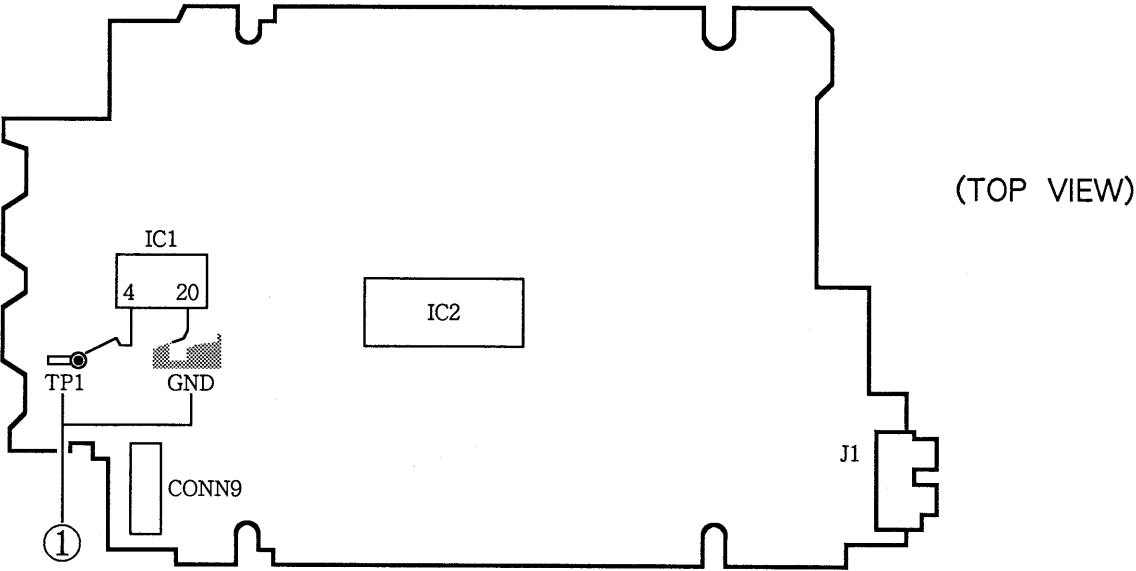
Pin No.	Pin Name	I/O	Description
1	MUTE	O	MUTE output terminal.
2	$\overline{CD}$	O	"L" output when CD.
3	$\overline{TU}$	O	"L" output when TU.
4	$\overline{AUX}$	O	"L" output when AUX.
5	$\overline{TAP E}$	O	"L" output when TAPE.
6	LED S 4	—	Not used.
7	NIGHT	O	Trigger pulse output terminal.
8	LED S 6	—	Not used.
9	TRY STOP	O	CD operation stop output terminal.
10	LED C 0	—	Not used.
11	LED C 1	—	Not used.
12	LED C 2	—	Not used.
13	$\overline{H A L T}$	I	Hold input terminal (ACTIVE Low).
14	O S C 2	O	4MHz clock output.
15	O S C 1	I	4MHz clock input.
16	G N D	—	GND.
17	A • G N D	—	Ground for analog circuit.
18	F • KEY	I	Input key matrix terminal.
19	C M P O	—	Not used.
20	C M P I	—	Not used.
21	TRAY KEY	I	CD tray OPEN/CLOSE key input.
22	A V D D	—	Power supply for analog circuit.
23	$\overline{I N I T}$	I	Reset input terminal (ACTIVE Low).
24	A	O	Function control output terminal.
25	B	O	Function control output terminal.
26	O P E N	O	Loading mechanism control output terminal.
27	C L O S E		
28	I N S W	I	CD tray IN SW input terminal ("L" or "H").
29	O U T S W	I	CD tray OUT SW input terminal ("L" or "H").
30	I - R E C	I	Connect to ground.
31	R E M O T E	I	Remote control signal input terminal.
32	V D D	—	Power supply.

IC,TMP47C820F – N837

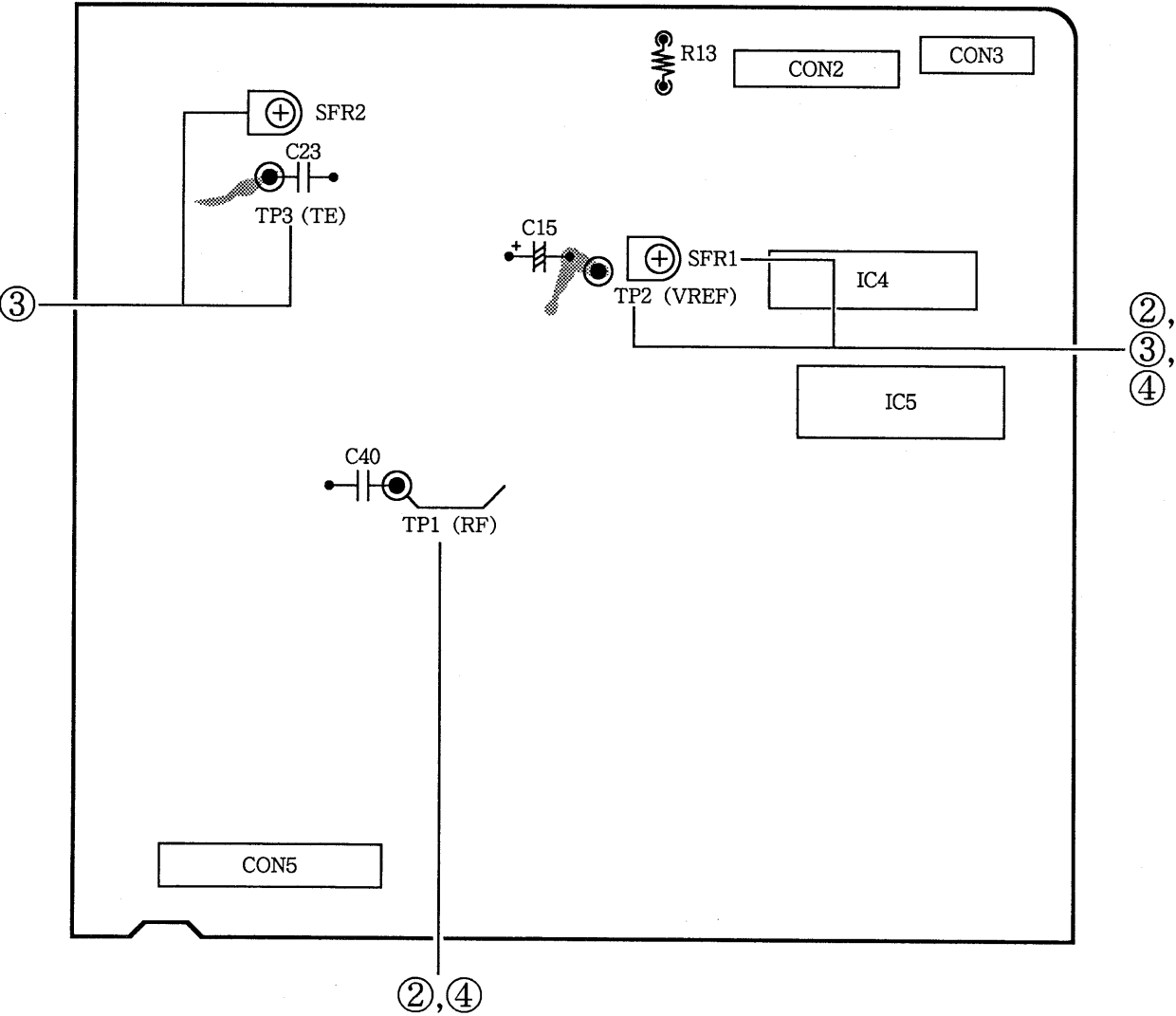
Pin No.	Pin Name	I/O	Description
1~4	SEG28~SEG31	O	Segment output terminal for LCD display.
5~7	COM1~COM3	O	Common output terminal for LCD display.
8	COM4	—	Not used.
9	N. C	—	Not used.
10	VLC	—	LCD drive voltage setting. Normal: VSS level (GND)
11	P10	O	Power switch (ON = "H").
12~14	P11~P13	O	Key matrix output port.
15	VSS	—	GND
16~19	P20~P23	O	Key matrix output port.
20	TEST	—	GND
21	XIN	I	4.19MHz clock oscillation input.
22	XOUT	O	4.19MHz clock oscillation output.
23	RESET	I	Reset signal input. ("L" when reset.)
24	HOLD	I	Hold signal input. ("L" when hold.)
25~28	K00~K03	I	Key matrix input port.
29	REMO	I	Wireless remote control input.
30	DWN	O	Power VOL DOWN.
31	UP	O	Power VOL UP.
32	MUTE	O	Muting output.
33	VDD	—	+5V power supply.
34	D0	O	Tuner data output.
35	D1	I	Tuner data input.
36	CL	O	Tuner data clock.
37~40	BUS0~BUS3	I/O	Send/receive bus line to/from CD processor.
41	DA/CO	I/O	Command and data processing control I/O.
42	BUCK	O	Command and data send/receive clock output.
43	PUIIN	I	Detects that the pickup is positioned at the most internal cylinder.
44	DOOR	I	CD door CLOSE detection. CLOSE when 0V.
45	CD	I	Function CD. CD when "L".
46	TU	I	Function TUNER. TUNER when "L".
47	CD RESET	I	CD circuit initialize signal input. (Reset when "L".)
48	I-REC	I	Tape recorder REC operation detection signal.
49	SYNC	O	Tape recorder synchronization stop output. Stop when "L". Turn when "H".
50	TUCE	O	Tuner CE. Controls the tuner PLL IC.
51	STEREO	I	Indicate "STEREO" when input "L".
52	————	—	NC.
53~61	SEG0~SEG8	O	Not used.
62~80	SEG9~SEG27	O	Segment output terminal for LCD display.

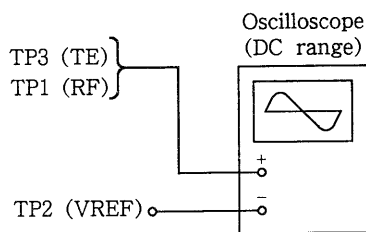
ADJUSTMENT (RDX – 01)
(CD/MAIN SECTION)

B MAIN C. B (Pattern side)



C CD MAIN C. B (TOP VIEW)





Note : • Connect the minus side of the oscilloscope to a test point TP2 (VREF) when performing the step 2~4 adjustment.

- Connect a probe (10:1) of the frequency counter or the oscilloscope to a test point and adjust as follows.

1. Clock Frequency check (clock, $\boxed{B}$ MAIN C.B.)

Settings : • Test point : TP1

- Set the function to CD mode.

Method : 1) Connect the frequency counter to test points TP1 and GND.

- 2) Check the frequency counter shows 42.666~42.667Hz.

2. RF Wave Form Check

This check should be performed whenever the optical system block is replaced in repair.

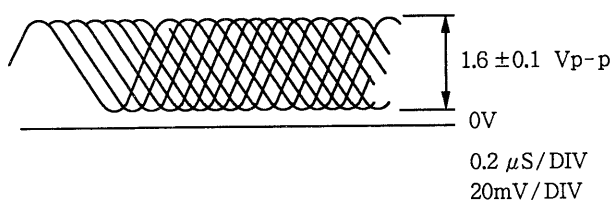
- 1) Connect an oscilloscope to test points TP1 (RF) and TP2 (VREF).

- 2) Turn the power switch on.

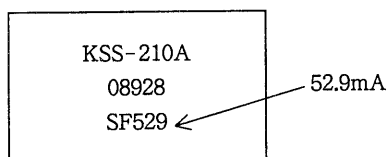
- 3) Insert the test disc TCD-782 (YEDS-18) and play back the second composition.

- 4) Check that the wave form appears as shown in the figure below.

RF signal wave form



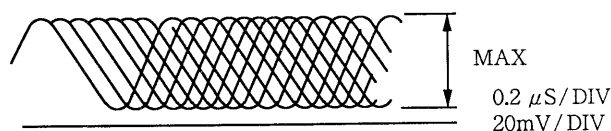
Note : The current of the laser signal can be checked with voltages on both sides of R13 (10 Ω). The difference for specified value shown on label must be within $\pm 6.0\text{mA}$.



$$\text{Laser current } I_{op} = \frac{\text{Voltage across R13}}{10 \Omega}$$

3. Focus Balance Adjustment

- 1) Connect an oscilloscope to test points TP1 (RF) and TP2 (VREF).
- 2) Turn the power switch on.
- 3) Insert the test disc TCD-782 (YEDS-18) and push the PLAY button.
- 4) Adjust SFR1 so that wave form of the oscilloscope is the maximum.



4. Tracking Balance Adjustment

- 1) Connect an oscilloscope to test points TP3 (TE) and TP2 (VREF).

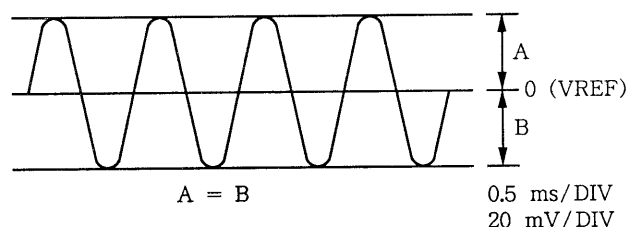
- 2) Turn the power switch on.

- 3) Insert the test disc TCD-782 (YEDS-18) and push the MEMORY/SET button.

- 4) Memory the second composition of the test disc and push the REPEAT button first, and then PLAY button.

- 5) Change the mode from "MS" to "SEARCH" and keep the FF button pushing.

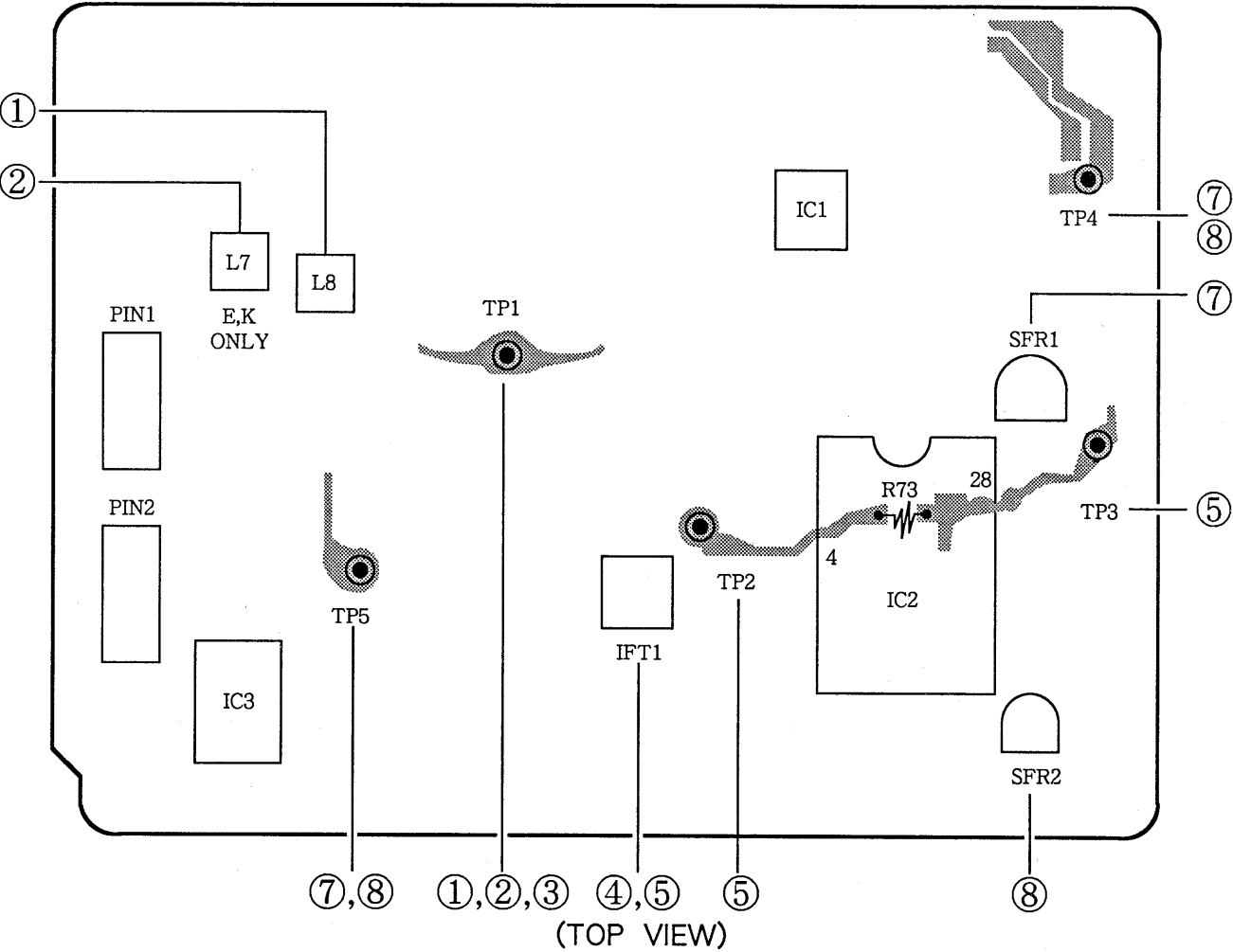
- 6) Adjust SFR2 so that wave form on the oscilloscope is vertically symmetrical as shown in the figure below.



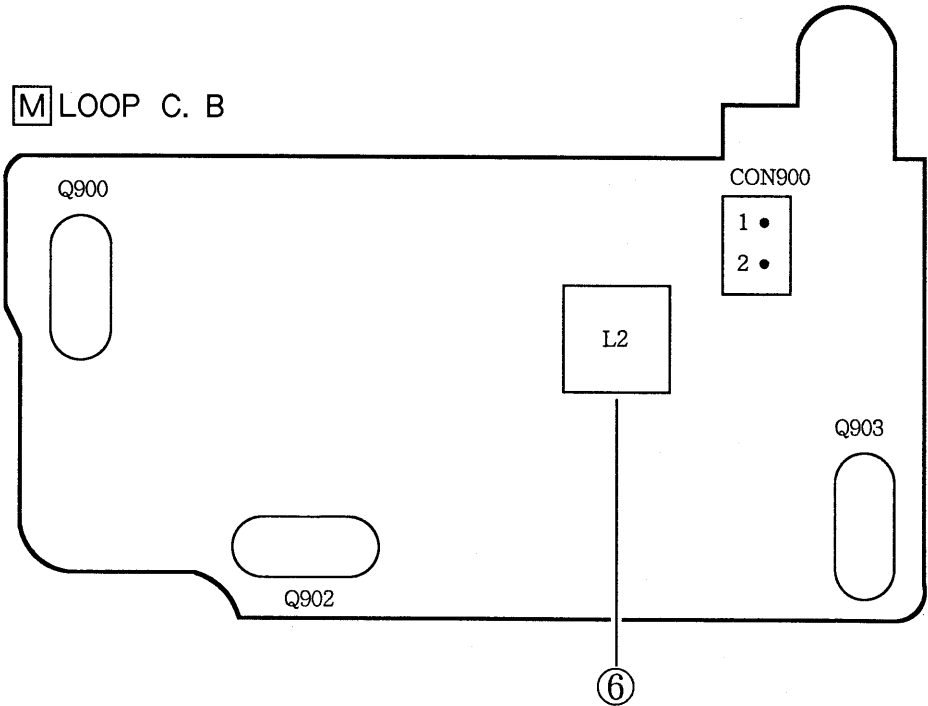
(TUNER SECTION)

H, LH, U, E, K :

A TUNER C. B



M LOOP C. B



1. AM (MW) VT Adjustment

- Settings : • Test point : TP1
• Adjustment location : L8
• Set the function to AM (MW) mode.

- Method : 1) Set to AM (MW) as table-1 frequencies and adjust so that the test point becomes as table-1 shown voltage.
2) Set to AM (MW) as table-2 shown frequencies and check VT voltages at the test point are within as table-2 shown.

Table-1

	AM (MW) FREQUENCY	VOLTAGE
H	531kHz	$1.4 \pm 0.05V$
E, K	522kHz	
U, LH	530kHz	

Table-2

	AM (MW) FREQUENCY	VOLTAGE
H	1602kHz	$7.8 \pm 0.5V$
E, K	1611kHz	$8.1 \pm 0.5V$
U, LH	1710kHz	$8.8 \pm 0.5V$

2. LW VT Adjustment (E, K only)

- Settings : • Test point : TP1
• Adjustment location : L7
• Set the function to LW mode.

- Method : 1) Set to LW 153kHz and adjust so that the test point becomes $1.9 \pm 0.05V$.
2) Set to LW 288kHz and check the VT voltage at the test point is $5.9 \pm 0.5V$.

3. FM VT Check

- Settings : • Test point : TP1
• Set the function to FM mode.

- Method : Set to FM frequencies and check VT voltages at the test point are within as table-3 shown.

Table-3

FM FREQUENCY	VOLTAGE
87.5MHz	$3.5 \pm 0.3V$
108MHz	$7.1 \pm 0.5V$

4. FM IF Adjustment

IFT1 10.7MHz

5. DC Balance Adjustment

- Settings : • Test point :
TP2 (Minus terminal side of R73)
TP3 (Plus terminal side of R73)
• SSG : 98MHz, 54dB
• Adjustment location : IFT1

- Method : Set to FM 98MHz and adjust IFT1 so that TP2 and TP3 output becomes $0 \pm 10mV$.

6. AM (MW) Tracking Adjustment

L2 U, LH : 600kHz
Except U, LH : 603kHz

7. FM Auto Stop Adjustment

- Settings : • Test point : TP4 (GND), TP5
• Adjustment location : SFR1
• Input level : 30dB

- Method : 1) Set to FM 98.0MHz and adjust "TUNED" LED to light on by SFR1.
2) "TUNED" LED goes out by 1dB down.

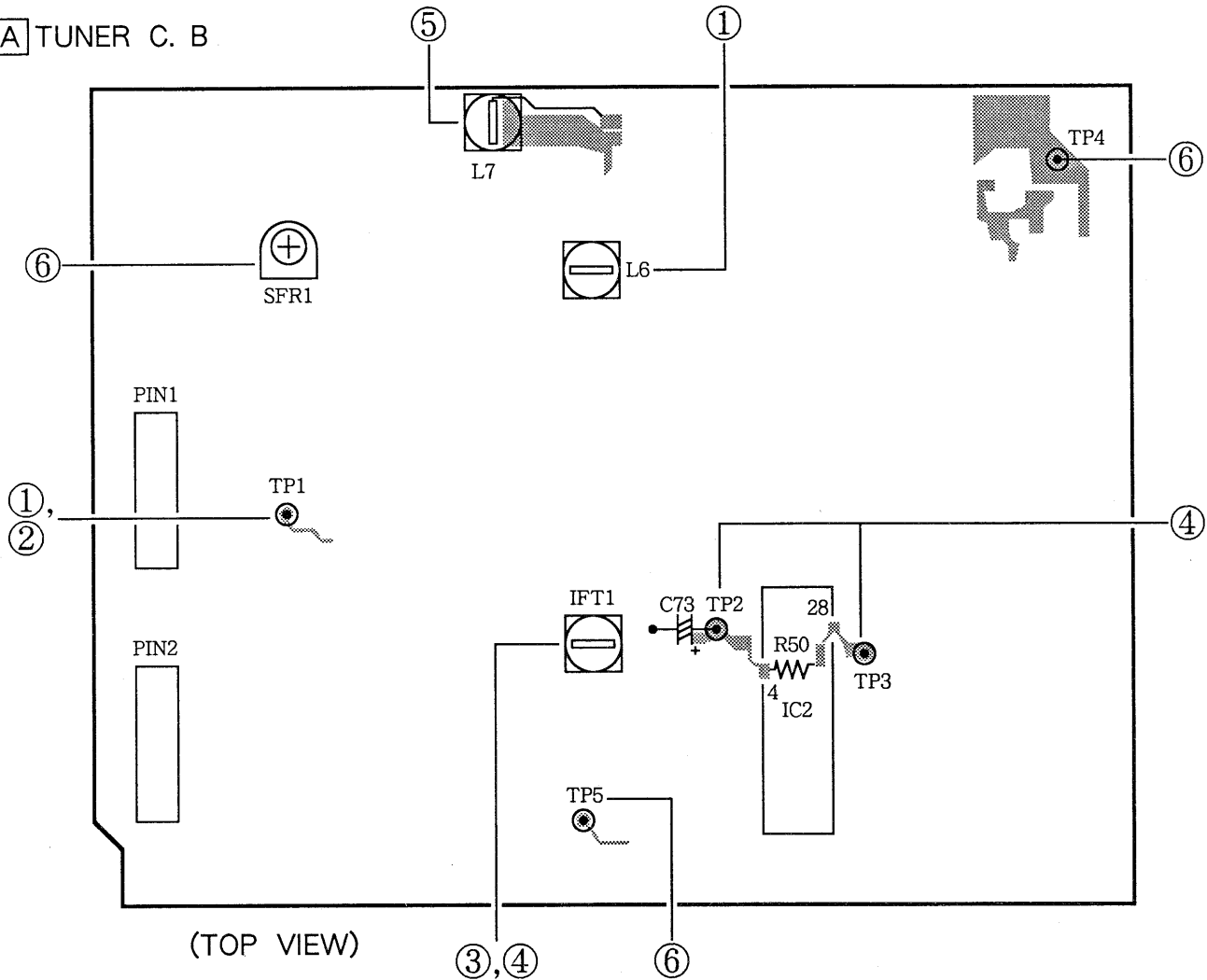
8. AM (MW) Auto Stop Adjustment

- Settings : • Test point : TP4 (GND), TP5
• Adjustment location : SFR2
• Input level : 60dB

- Method : 1) Set to AM (MW) 1000kHz (U, LH), 1404kHz (except U, LH) and adjust "TUNED" of LCD display to light on by SFR2.
2) "TUNED" of LCD display goes out by 2dB down.

HD :

A TUNER C. B



1. AM VT Adjustment

- Settings : • Test point : TP1
• Adjustment location : L6
• Set the function to AM mode.

Method : 1) Set to AM 522kHz and adjust so that the test point becomes $1.6 \pm 0.05V$.
2) Set to AM 1629kHz and check the VT voltage at the test point is within $7.8 \pm 0.5V$.

2. FM VT Check

- Settings : • Test point : TP1
• Set the function to FM mode.

Method : Set FM as table-4 frequencies and check VT voltages at the test point are within as table-4 shown.

Table-4

FM FREQUENCY	VOLTAGE
76MHz	$1.3 \pm 0.3V$
108MHz	$8.0 \pm 0.5V$

3. FM IF Adjustment

IFT1 10.7MHz

4. DC Balance Adjustment

- Settings : • Test point :
TP2 (Minus terminal side of R50)
TP3 (Plus terminal side of R50)
• SSG : 76MHz, 54dB
• Adjustment location : IFT1

Method : Set to FM 76.0MHz and adjust IFT1 so that TP2 and TP3 output becomes $0 \pm 20mV$.

5. AM Tracking Adjustment

L7 603kHz

6. FM Auto Stop Adjustment

- Settings : • Test point : TP4 (GND), TP5
• Adjustment location : SFR1
• Input level : 30dB

Method : 1) Set to FM 76.0MHz and adjust "TUNED" of LCD display to light on by SFR1.
2) "TUNED" of LCD display goes out by 1dB down.

PRACTICAL SERVICE FIGURE

< FM SECTION >

IHF Sensitivity : (THD 3%)	H, LH, U, E, K (87.5~108MHz) : 19 ± 5dB (at 87.7, 108MHz) 17 ± 5dB (at 98MHz)
	HD (76.0~108MHz) : 16 ± 6dB (at 76MHz) 13 ± 6dB (at 90,108MHz)
S/N ratio :	H, LH, U, E, K : 65 ± 5dB (at 98MHz) HD : 62 ± 5dB (at 90MHz)
Distortion : (Input 54dB)	Less than 2.0%
Stereo separation :	H, LH, U, HD : 31 ± 7dB (at 1kHz) E, K : 32 ± 7dB (at 1kHz)
Intermediate frequency :	10.7MHz
Auto stop level :	H, LH, U, E, K : 30 ± 5dB (at 98MHz) HD : 30 ± 4dB (at 76MHz)

< AM (MW) SECTION >

Sensitivity : (S/N 10dB)	H (531~1602kHz) : 47 ± 5dB (at 603kHz) 45 ± 5dB (at 999, 1404kHz)
	U, LH (530~1710kHz) : 47 ± 5dB (at 600kHz) 45 ± 5dB (at 1000, 1400kHz)
	E, K (522~1611kHz) : 49 ± 5dB (at 603kHz) 46 ± 5dB (at 999kHz) 45 ± 5dB (at 1404kHz)
	HD (522~1629kHz) : 41 ± 5dB (at 603, 999kHz) 43 ± 5dB (at 1404kHz)
S/N ratio :	More than 35dB [at 999kHz (H, E, K)] [at 1000kHz (LH, U)] More than 37dB [at 999kHz (HD)]
Intermediate frequency :	450kHz
Auto stop level :	H, E, K : 57 ± 5dB (at 1404kHz) U, LH : 57 ± 5dB (at 1000kHz) HD : 53 ± $\frac{10}{13}$ dB (at 603kHz)

< LW SECTION > (E, K ONLY)

Sensitivity : (S/N 10dB)	E, K (153~288kHz) 60 ± 5dB (at 153kHz) 57 ± 5dB (at 198,288kHz)
S/N ratio :	More than 25dB (at 198kHz)

REF. NO.	PART NO.	DESCRIPTION
A	87-067-659-010	BVT2 + 2.6 - 8 W/O SLOT (B)
B	87-067-579-010	BVT2 + 3 - 8 W/O SLOT
C	87-067-641-010	UTT2 + 3 - 8 W/O SLOT (B)
D	87-591-094-410	QIT + 3 - 6

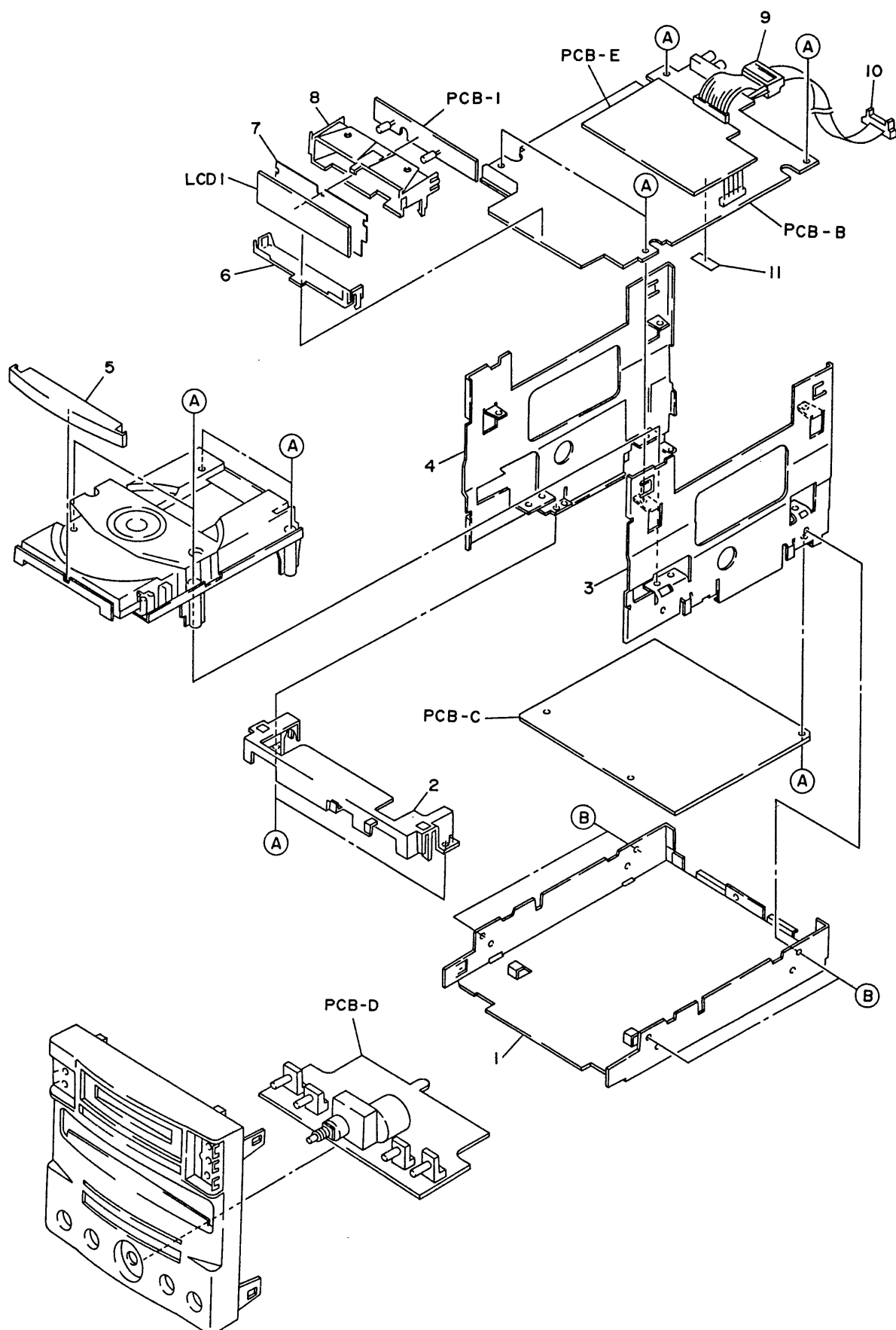


MECHANICAL PARTS LIST (RDX – 01)

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
	1-1	★81-NKB-001-019	CABINET, FRONT (EXCEPT YU)	※	1
	1-1	★81-NKB-025-019	CABINET, FRONT (YU)	※	1
	1-2	★81-NKB-213-019	ADHESHIVE SHEET, WINDOW	※	1
	1-3	★81-NKB-009-019	WINDOW, LCD	※	1
	1-4	★81-MX4-032-019	BADGE, AIWA		1
	1-5	★81-NKB-006-019	KEY, POWER	※	1
	1-6	★81-NKB-599-019	CLOTH, 6 – 10	※	1
	1-7	★81-NKB-013-019	LENS, VOLUME	※	1
	1-8	★81-NKB-010-019	KNOB, VOLUME	※	1
	1-9	★81-NKB-011-019	KNOB, TONE	※	4
	1-10	★81-NWB-027-019	FOOT, FRONT		2
	1-11	★81-NKB-007-019	KEY, BAND	※	1
	1-12	---	CUSHION, G 3 – 5 – 5		2
	1-13	★81-NKB-216-019	SHEET, FUNCTION (EXCEPT YU)	※	1
	1-13	★81-NKB-223-019	SHEET, FUNCTION (YU)	※	1
	1-14	★81-NKB-004-019	BUTTON, FUNCTION	※	1
	1-15	★81-NKB-014-019	LENS, CD	※	1
	1-16	★81-NKB-017-019	LENS, LINE IN	※	1
	1-17	★81-NKB-015-019	LENS, TUNER	※	1
	1-18	★81-NKB-016-019	LENS, TAPE	※	1
	1-19	★81-NKB-019-019	BUSHING, STAND	※	2
	1-20	★81-NKB-018-019	FOOT	※	2
	1-21	★81-NKB-012-019	LENS, ILL	※	1
	1-22	★81-NKB-005-019	BUTTON, CD	※	1
	1-23	★81-NKB-209-019	HOLDER, ILL	※	1
	1-24	★81-NKB-022-019	PLATE, SPEC (YHJ)	※	1
	1-24	★81-NKB-027-019	PLATE, SPEC (YLH)	※	1
	1-24	★81-NKB-028-019	PLATE, SPEC (YHD)	※	1
	1-24	★81-NKB-021-119	PLATE, SPEC (YU)	※	1
	1-24	★81-NKB-023-019	PLATE, SPEC (YE)	※	1
	1-25	★81-NKB-221-019	SHEET, LCD FRONT (EXCEPT YU)	※	1
	1-25	★81-NKB-224-019	SHEET, LCD FRONT (YU)	※	1
	1-26	★81-NKB-205-019	HINGE, BAND	※	1
	1-27	★81-NKB-204-019	HINGE, POWER	※	1
	1-28	★81-NKB-214-019	HIMERON, 6 – 40 (EXCEPT YU)	※	1
	1-28	★81-NKB-222-019	HIMERON, 6 – 40 (YU)	※	1
	1-29	★81-NKB-210-019	HOLDER, BUSHING	※	1
	1-30	★81-NKB-002-019	CABINET, REAR (EXCEPT YU)	※	1
	1-30	★81-NKB-026-019	CABINET, REAR (YU)	※	1
	1-31	★81-NKB-003-019	CABINET, STEEL	※	1

EXPLODED VIEW - 2 (RDX - 01)

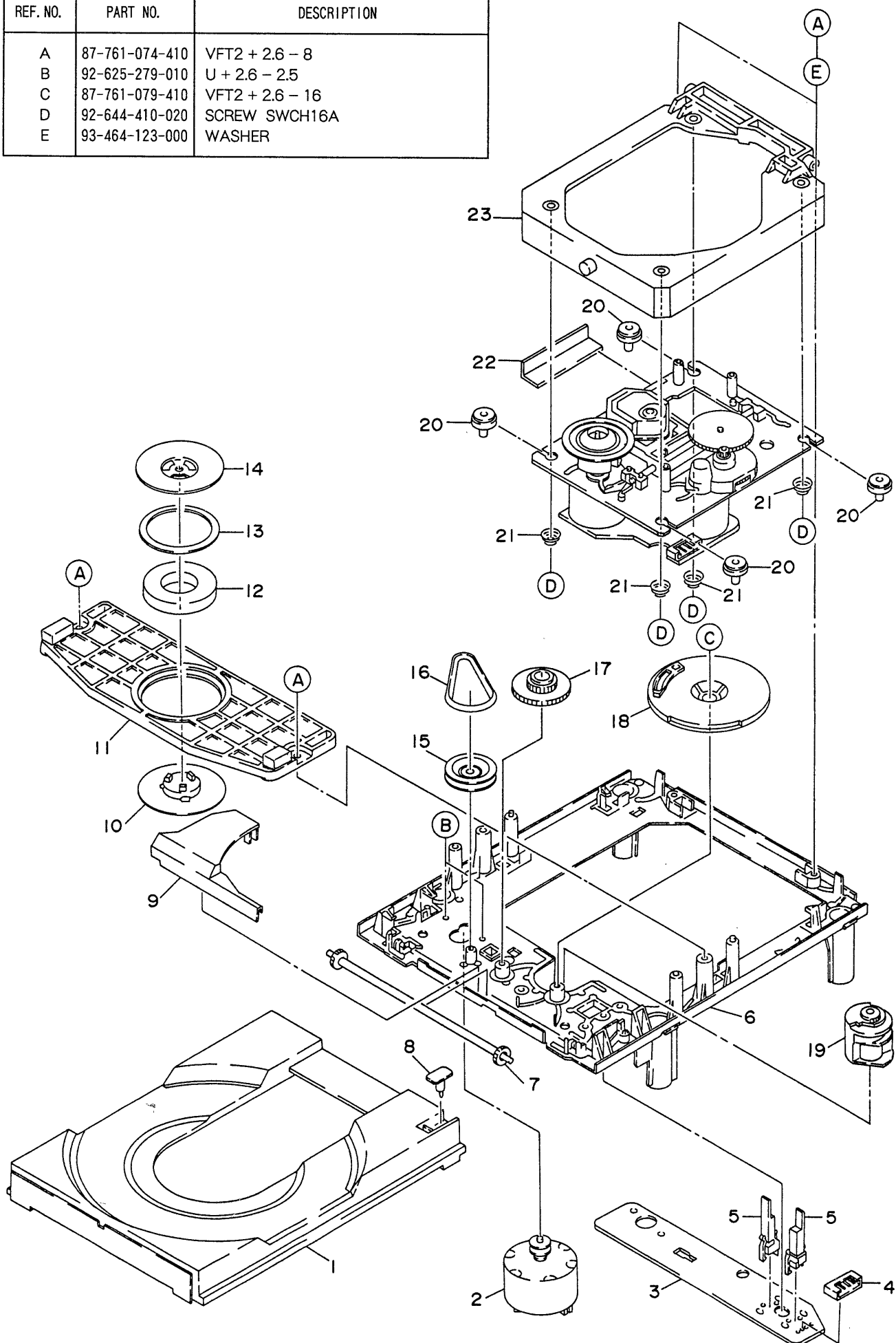
REF. NO.	PART NO.	DESCRIPTION
A	87-067-579-010	BVT2 + 3 - 8 W/O SLOT
B	87-067-641-010	UTT2 + 3 - 8 W/O SLOT (B)



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
	2-1	★81-NKB-201-019	CHASSIS, MAIN CD	※	1
	2-2	★81-NKB-206-019	HOLDER, CD P.C.B	※	1
	2-3	★81-NKB-203-119	CHASSIS, SIDE R	※	1
	2-4	★81-NKB-202-119	CHASSIS, SIDE L	※	1
	2-5	★81-NKB-008-019	PANEL, CD	※	1
	2-6	---	HOLDER, LCD		1
	2-7	★81-NKB-211-119	SHEET, LCD	※	1
	2-8	---	HOLDER, LAMP LCD		1
	2-9	★89-VT5-202-010	BUSHING, CORD		1
	2-10	---	17P CONNECTOR ASSY		1
	2-11	★81-NKB-215-019	CLOTH, 6 - 20	※	1

EXPLODED VIEW - 3 (RDX - 01)

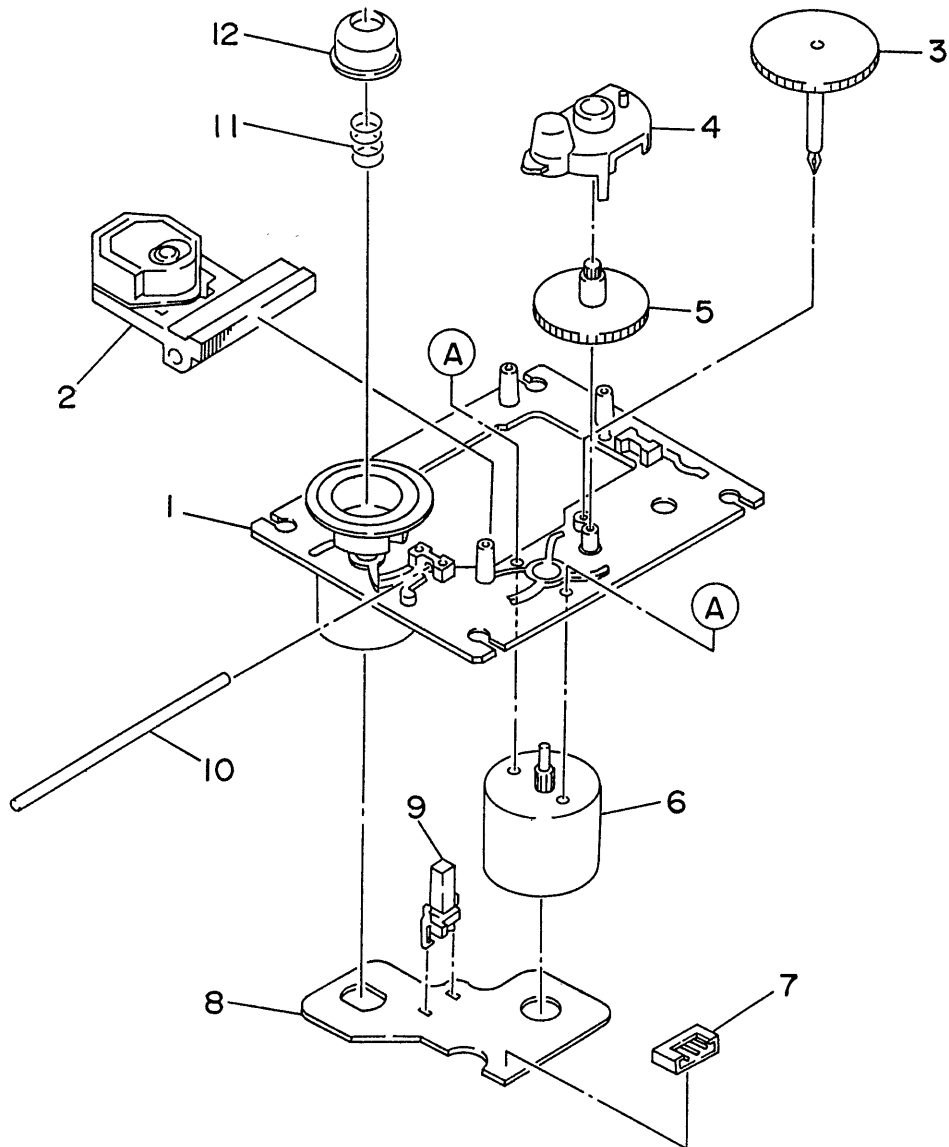
REF. NO.	PART NO.	DESCRIPTION
A	87-761-074-410	VFT2 + 2.6 - 8
B	92-625-279-010	U + 2.6 - 2.5
C	87-761-079-410	VFT2 + 2.6 - 16
D	92-644-410-020	SCREW SWCH16A
E	93-464-123-000	WASHER



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
	3-1	★92-625-288-040	TRAY		1
	3-2	★9X-262-511-710	LOADING MOTOR ASSY		1
	3-3	---	PWB, LOADING		1
	3-4	★91-564-721-110	CONNECTOR 5P		1
	3-5	91-572-086-110	SWITCH, LEAF		2
	3-6	---	CHASSIS, MAIN		1
	3-7	★92-625-275-030	GEAR, TRAY		1
	3-8	---	SW PIN		1
	3-9	★92-625-282-020	COVER, GEAR		1
	3-10	★92-625-286-030	PULLEY, CHUCKING		1
	3-11	★92-625-284-040	PLATE, CHUCKING		1
	3-12	★91-452-493-210	MAGNET		1
	3-13	★92-625-541-010	DAMPER		1
	3-14	★92-625-277-010	YOKE, CHUCK		1
	3-15	★92-625-276-010	PULLEY, LOADING		1
	3-16	★93-653-387-000	BELT, LM		1
	3-17	★92-625-274-020	GEAR, MEDDLE		1
	3-18	★92-625-285-030	GEAR, DRIVE		1
	3-19	★92-625-283-020	CAM, CONTROL		1
	3-20	★92-625-278-010	INSULATOR		4
	3-21	★92-625-280-010	SPRING		4
	3-22	---	PLATE, PUSH		1
	3-23	---	SUB CHASSIS ASSY W/INSU SHAFT		1

EXPLODED VIEW - 4 (RDX - 01)

REF. NO.	PART NO.	DESCRIPTION
A	87-261-032-210	V + 2 - 3



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q'TY
	4-1	★9X-262-513-310	T.T CHASSIS ASSY W/MOTOR		1
	4-2	98-848-127-11Z	PICK UP KSS - 210A		1
	4-3	★92-625-188-020	GEAR, A		1
	4-4	★92-625-544-010	COVER		1
	4-5	---	GEAR, B		1
	4-6	★9X-262-513-210	SLED MOTOR ASSY		1
	4-7	★91-564-722-110	CONNECTOR 6P		1
	4-8	---	PWB, MOTOR		1
	4-9	91-572-085-110	SWITCH, LEAF LIMIT		1
	4-10	★94-917-565-010	SHAFT, SLED		1
	4-11	★92-625-191-010	SPRING, COMPRESSION		1
	4-12	★92-625-187-010	RING, CENTER		1

■ SPEAKER LIST (SX – 01)

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q,TY
	1	★81-NSB-101-019	SPEAKER ASSY	※	2
	2	★81-NSB-601-019	SPEAKER WOOFER	※	2
	3	★81-MS3-603-019	SPEAKER TWEETER		2

■ ACCESSORIES/PACKAGE LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q,TY
	1	★82-CT1-907-110	INSTRUCTION BOOKLET, EX	※	1
	2	★82-CT1-912-010	SHEET, INSTRUCTION BOOKLET HD	※	1
	3	★81-748-632-010	FEEDER ANTENNA FMN		1
	4	★82-CT1-901-010	LOOP ANTENNA 3P	※	1
	5	★82-CT1-903-010	REMOTE CONTROLLER, RC – L01 EX	※	1
	6	★87-032-845-010	PLUG, CONVERSION (H, LH, HD)		1

サービス技術ニュース	
番号	連絡内容
G - -	
G - -	
G - -	

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