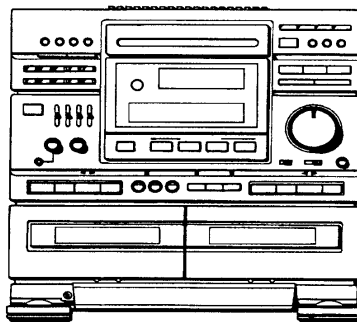


AIWA®

NSX-800

SERVICE MANUAL



COMPACT DISC STEREO SYSTEM

- BASIC TAPE MECHANISM : TN - 1800
- BASIC CD MECHANISM : KSL - 150ACM3

• TYPE. E, K, Z

■ Model NSX - 800 is composed of the CX - 800 (CD - cassette),
RC - T800L (remote controller) and SX - 800 (speaker system).

AIWA Co., Ltd.

Tokyo Japan

Printed in Japan

TABLE OF CONTENTS

• SPECIFICATIONS -----	3
• PRECAUTION TO REPLACE OPTICAL BLOCK -----	4
• PROTECTION OF EYES FROM LASER BEAM DURING SERVICING -----	4
• ELECTRICAL MAIN PARTS LIST -----	5~10
• FL ASSIGNMENT, TRANSISTOR ILLUSTRATION -----	10
• BLOCK DIAGRAM - 1 -----	11~12
• BLOCK DIAGRAM - 2 -----	13~14
• BLOCK DIAGRAM - 3 -----	15~16
• WIRING - 1 -----	17~18
• SCHEMATIC DIAGRAM - 1 -----	19~20
• WIRING - 2 -----	21~22
• SCHEMATIC DIAGRAM - 2 -----	23~24
• WIRING - 3 -----	25~26
• SCHEMATIC DIAGRAM - 3 -----	27~28
• WIRING - 4 -----	29~30
• SCHEMATIC DIAGRAM - 4 -----	31~32
• ADJUSTMENT -----	33~38
• PRACTICAL SERVICE FIGURE -----	38
• IC BLOCK DIAGRAM -----	39~40
• WAVE FORM -----	40
• IC DESCRIPTION -----	41~46
• EXPLODED VIEW - 1, MECHANICAL PARTS LIST -----	47~48
• EXPLODED VIEW - 2, MECHANICAL PARTS LIST -----	49~50
• EXPLODED VIEW - 3, MECHANICAL PARTS LIST -----	51~52
• EXPLODED VIEW - 4, MECHANICAL PARTS LIST -----	53~54
• EXPLODED VIEW - 5, MECHANICAL PARTS LIST -----	55
• SPEAKER LIST -----	56
• ACCESSORIES/PACKAGE LIST -----	56

SPECIFICATIONS

TUNER SECTION

< FM section >

Frequency range	87.5 MHz to 108 MHz
Usable sensitivity	CX-800E,K 1.6 μ V (75 ohms) 15.2 dBf (IHF) CX-800Z 1.9 μ V (75 ohms) 16.8 dBf (DIN)
Alternate channel selectivity	CX-800E,K 50 dB ($\pm$ 400 kHz) CX-800Z 65 dB ($\pm$ 400 kHz)
Signal-to-noise ratio	CX-800E,K 70 dB (STEREO), 78 dB (MONO) CX-800Z 66 dB (STEREO), 72 dB (MONO)
Harmonic distortion	0.3% (MONO), 1 kHz 0.8% (STEREO), 1 kHz
Frequency response	20 Hz to 15 kHz (+ 0.5 dB, -3 dB)
Stereo separation	30 dB at 1 kHz
Antenna	75 ohms (unbalanced)

< MW section >

Frequency range	522 kHz to 1,611 kHz
Usable sensitivity	300 μ V/m
Selectivity	22 dB
Signal-to-noise ratio	53 dB (100 dB input)
Antenna	Loop antenna

< LW section >

Frequency range	153 kHz to 290 kHz
Usable sensitivity	1,000 μ V/m
Antenna	Loop antenna

< Timer section >

Program timer	"Once" and/or "every"
Sleep timer	Capable of setting in 10-minute increments, 99 minutes maximum

AMPLIFIER SECTION

Power output	75W + 75 W (6 ohms, EIAJ, 1 kHz) 55W + 55 W (6 ohms, T.H.D. 1%, 1 kHz)
Harmonic distortion	0.05% (25 W, 1 kHz, 6 Ω)
Input sensitivity (load impedance)	DAT/AUX 350 mV (10 k ohms)
Signal-to-noise ratio	85 dB

CASSETTE DECK SECTION

Track format	4 tracks, 2 channels
Frequency response	METAL tape: 20-17,000 Hz (Playback only) CrO ₂ tape: 40-15,000 Hz (Record/Playback) Normal tape: 40-15,000 Hz (Record/Playback)
Signal-to-noise ratio	60 dB (DOLBY NR ON, peak level)
Wow and flutter	0.13% (WRMS)
Tape speed	4.8 cm/sec. (1-7/8 ips) 9.5 cm/sec. (double speed)
Motor	DC servomotor (2)
Heads	Playback head (1) (Deck 1) Record/playback/erase head (1) (Deck 2)

COMPACT DISC SECTION

Disc	Compact disc
Scanning method	Non contact optical scanner (semiconductor laser application)
Laser	Semiconductor laser λ =780 nm
Rotation speed	Approx. 500 rpm-200 rpm (CLV)
Error correction	Cross Interleave, Read Solomon Code
No. of Channels	2 channels
D-A conversion	16-bit linear
Wow & Flutter	Unmeasurable
Filter	16 bit two times oversampling digital filter & tertiary active filter

SPEAKER

Cabinet type	2 way bass reflex (Magnetically Shield)
Speaker	130 mm cone type woofer 60 mm cone type tweeter
Impedance	6 ohms
Dimensions	186 (W) $\times$ 300 (H) $\times$ 220 (D) mm
Weight	4.0 kg

COMMON SECTION

Power requirements	CX-800E,Z 220 V AC, 50 Hz CX-800K 240 V AC, 50 Hz
Power consumption	CX-800E,Z 270 W CX-800K 280 W
Dimensions	672 (W) $\times$ 302 (H) $\times$ 310 (D) mm
Weight	18.0 kg (including speakers)

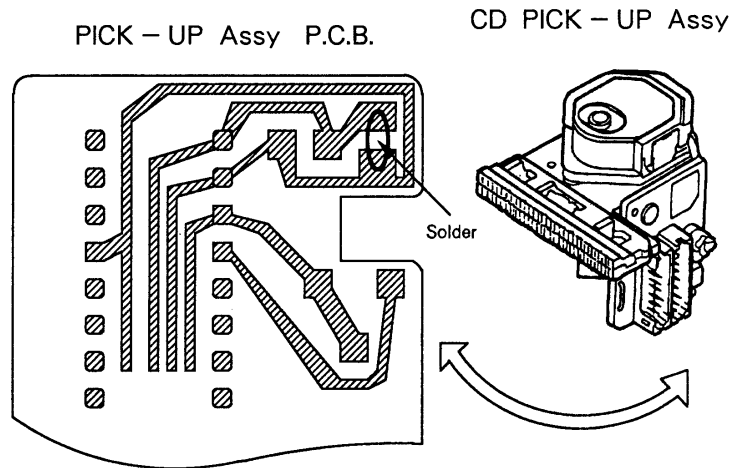
• Design and specifications are subject to change without notice.

- 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.

Precaution to replace Optical block (KSS – 150A)

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

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



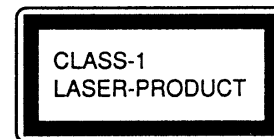
PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

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.

This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.



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.

"Varoitus! Suojakotelo ei saa avata. Laite sisältää laserdiodin, joka lähettää näkymätöntä silmille vaarallista lasersäteilyä."

ADVARSEL!



Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion.
Undgå udsættelse for stråling.

"Denna apparat innehåller laserkomponent som avger laserstrålning som överskrider gränsen för laserklass 1."

ELECTRICAL MAIN PARTS LIST

REF. NO.	PART NO.	DESCRIPTION
===IC===		
	87-001-893-019	IC, 78N06
	87-001-443-010	IC, ASP8801
	87-001-440-019	IC, BA15218N
	87-001-184-010	IC, CXA1081S
	87-020-794-010	IC, CXA1082BQ
	87-020-981-019	IC, CXA1102P
	87-020-795-010	IC, CXD1135Q
	87-001-944-010	IC, CXD1167Q
	87-020-796-010	IC, CXK5816M
	89-MX1-695-010	IC, CXP5058H-551Q
	87-001-533-010	IC, GP1U501(REMOTE SENSOR)
	87-001-347-019	IC, HD14051BP
	87-001-196-019	IC, ICPN10
	87-020-566-019	IC, LA1265G
	87-001-872-019	IC, LA6515
	89-MX1-692-010	IC, LC6538D-MX1(EX)

87-001-376-019	IC, LC7218
87-027-895-019	IC, M5218L
87-027-925-010	IC, M5220
83-099-626-010	IC, M5223P
87-001-891-010	IC, M5280L
87-001-871-010	IC, M5294P
87-020-758-019	IC, NJM2068SD
87-020-881-019	IC, NJM78L05A
87-020-908-019	IC, NJU4066BD
87-001-169-010	IC, STA341M
87-001-903-019	IC, STK4172-2
87-020-446-019	IC, TA7343AP

87-001-865-010	IC, TDA1543A
----------------	--------------

===TRANSISTOR===

89-501-615-019	FET, 2SK161GR
89-502-415-019	FET, 2SK241GR
89-502-466-019	FET, 2SK246BL
89-502-465-019	FET, 2SK246GR
89-502-464-019	FET, 2SK246Y
89-110-155-019	TRANSISTOR, 2SA1015GR
89-112-965-019	TRANSISTOR, 2SA1296GR
89-112-964-019	TRANSISTOR, 2SA1296Y
87-026-463-019	TRANSISTOR, 2SA933S(SR)
89-109-521-019	TRANSISTOR, 2SA952K
89-213-702-019	TRANSISTOR, 2SB1370E
87-026-462-019	TRANSISTOR, 2SC1740S(SR)
89-318-155-019	TRANSISTOR, 2SC1815GR
89-318-154-019	TRANSISTOR, 2SC1815Y
89-319-233-019	TRANSISTOR, 2SC1923(O)
89-320-011-019	TRANSISTOR, 2SC2001K
89-324-584-019	TRANSISTOR, 2SC2458Y
89-332-665-019	TRANSISTOR, 2SC3266GR
89-419-442-019	TRANSISTOR, 2SD1944J, K
89-420-612-019	TRANSISTOR, 2SD2061E
89-406-555-019	TRANSISTOR, 2SD655E
87-026-214-019	TRANSISTOR, DTA114YS
87-026-286-019	TRANSISTOR, DTA143ES
87-026-288-019	TRANSISTOR, DTA143XS
87-026-219-019	TRANSISTOR, DTA144ES
87-026-215-019	TRANSISTOR, DTC114YS
87-026-287-019	TRANSISTOR, DTC143ES
87-026-218-019	TRANSISTOR, DTC144ES
S6-804-050-040	TRANSISTOR, ESA1266

===DIODE===

87-027-376-010	DIODE 1B4B41
87-001-559-019	DIODE 1SS131
87-020-691-019	DIODE 1SS132
87-020-110-019	DIODE 1SS177

REF. NO.	PART NO.	DESCRIPTION
	87-001-749-010	DIODE D5SB20
	87-020-123-019	DIODE DS446-AT
	87-001-783-019	DIODE 1N4002
	87-020-945-010	DIODE MPG06D
	87-020-992-010	DIODE MPG06D-L
	87-027-436-019	DIODE, ZENER HZ11B1
	87-027-479-019	DIODE, ZENER HZ27-2
	87-027-406-019	DIODE, ZENER HZ3A3
	87-027-393-019	DIODE, ZENER HZ4C2
	87-027-475-019	DIODE, ZENER HZ6B1
	87-027-332-019	DIODE, ZENER HZ6B1L
	87-027-674-019	DIODE, ZENER HZ7A2
	87-027-633-019	DIODE, ZENER HZ9A2-T2
	87-027-583-019	DIODE, ZENER HZ9B1L
	87-001-917-019	DIODE, ZENER UTZJ12C

===MAIN CIRCUIT BOARD SECTION===

BPF731	*82-794-697-019	FILTER, ANTI BIRDIE(Z)
BPF831	*87-030-105-010	FILTER, BPMB6A(Z)
C1	*87-010-402-019	CAP, ELECT 2.2-50 SME
C2	*87-010-402-019	CAP, ELECT 2.2-50 SME
C3	*87-010-402-019	CAP, ELECT 2.2-50 SME
C4	*87-010-402-019	CAP, ELECT 2.2-50 SME
C5	*87-010-101-019	CAP, ELECT 220-16 SME
C6	*87-010-101-019	CAP, ELECT 220-16 SME
C10	*87-010-263-019	CAP, ELECT 100-10
C11	*87-010-263-019	CAP, ELECT 100-10
C12	*87-010-374-019	CAP, ELECT 47-10
C13	*87-010-374-019	CAP, ELECT 47-10
C101	*87-010-404-019	CAP, ELECT 4.7-50 SME
C102	*87-010-404-019	CAP, ELECT 4.7-50 SME
C103	*87-010-405-019	CAP, ELECT 10-50 SME
C104	*87-010-405-019	CAP, ELECT 10-50 SME
C105	*87-018-126-019	CAP, CERA-SOL SS 390P-50
C106	*87-018-126-019	CAP, CERA-SOL SS 390P-50
C111	*87-018-205-019	CAP, CERA-SOL SS 0.022-25
C171	*87-018-205-019	CAP, CERA-SOL SS 0.022-25
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	*87-010-405-019	CAP, ELECT 10-50 SME
C205	*87-010-401-019	CAP, ELECT 1-50 SME
C206	*87-010-401-019	CAP, ELECT 1-50 SME
C207	*87-018-123-019	CAP, CERA-SOL SS 220P-50
C208	*87-018-123-019	CAP, CERA-SOL SS 220P-50
C215	*87-010-545-019	CAP, ELECT 0.22-50 SME
C216	*87-010-545-019	CAP, ELECT 0.22-50 SME
C217	*87-018-109-019	CAP, CERA-SOL SS 22P-50 SL
C218	*87-018-109-019	CAP, CERA-SOL SS 22P-50 SL
C219	*87-010-401-019	CAP, ELECT 1-50 SME
C220	*87-010-401-019	CAP, ELECT 1-50 SME
C221	*87-018-134-019	CAP, CERA-SOL SS 0.01-16
C222	*87-018-134-019	CAP, CERA-SOL SS 0.01-16
C223	*87-010-248-019	CAP, ELECT 220-10 SME
C225	*87-010-404-019	CAP, ELECT 4.7-50 SME
C226	*87-010-404-019	CAP, ELECT 4.7-50 SME
C233	*87-010-401-019	CAP, ELECT 1-50 SME
C234	*87-010-401-019	CAP, ELECT 1-50 SME
C235	*87-010-401-019	CAP, ELECT 1-50 SME
C236	*87-010-401-019	CAP, ELECT 1-50 SME
C237	*87-018-134-019	CAP, CERA-SOL SS 0.01-16
C238	*87-018-134-019	CAP, CERA-SOL SS 0.01-16
C239	*87-018-131-019	CAP, CERA-SOL SS 1000P-50
C240	*87-018-131-019	CAP, CERA-SOL SS 1000P-50
C251	*87-010-381-019	CAP, ELECT 330-16 SME
C301	*87-018-115-019	CAP, CERA-SOL SS 47P-50 SL
C302	*87-018-115-019	CAP, CERA-SOL SS 47P-50 SL
C303	*87-018-122-019	CAP, CERA-SOL SS 180P-50

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
C304	*87-018-122-019	CAP, CERA-SOL SS 180P-50	C726	*87-010-403-019	CAP, ELECT 3. 3-50 SME
C307	*87-010-400-019	CAP, ELECT 0. 47-50 SME	C727	*87-010-248-019	CAP, ELECT 220-10 SME
C308	*87-010-400-019	CAP, ELECT 0. 47-50 SME	C728	*87-010-402-019	CAP, ELECT 2. 2-50 SME(Z)
C309	*87-018-131-019	CAP, CERA-SOL SS 1000P-50	C729	*87-010-402-019	CAP, ELECT 2. 2-50 SME(Z)
C310	*87-018-131-019	CAP, CERA-SOL SS 1000P-50	C740	*87-010-374-019	CAP, ELECT 47-10
C351	*87-018-121-019	CAP, CERA-SOL SS 150P-50	C741	*87-015-453-019	CAP, ELECT BP 2. 2-25
C352	*87-018-121-019	CAP, CERA-SOL SS 150P-50	C742	*87-018-125-019	CAP, CERA-SOL SS 330P-50
C353	*87-018-122-019	CAP, CERA-SOL SS 180P-50	C743	*87-010-382-019	CAP, ELECT 22-25 SME
C354	*87-018-122-019	CAP, CERA-SOL SS 180P-50	C744	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C355	*87-018-115-019	CAP, CERA-SOL SS 47P-50 SL	C745	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C356	*87-018-115-019	CAP, CERA-SOL SS 47P-50 SL	C746	*87-010-401-019	CAP, ELECT 1-50 SME
C359	*87-010-400-019	CAP, ELECT 0. 47-50 SME	C747	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C360	*87-010-400-019	CAP, ELECT 0. 47-50 SME	C748	*87-010-404-019	CAP, ELECT 4. 7-50 SME
C361	*87-018-131-019	CAP, CERA-SOL SS 1000P-50	C749	*87-010-405-019	CAP, ELECT 10-50 SME
C362	*87-018-131-019	CAP, CERA-SOL SS 1000P-50	C750	*87-010-544-019	CAP, ELECT 0. 1-50
C401	*87-010-401-019	CAP, ELECT 1-50 SME	C751	*87-010-403-019	CAP, ELECT 3. 3-50 SME
C402	*87-010-401-019	CAP, ELECT 1-50 SME	C752	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C403	*87-018-133-019	CAP, CERA-SOL SS 4700P-16	C754	*87-010-402-019	CAP, ELECT 2. 2-50 SME
C404	*87-018-133-019	CAP, CERA-SOL SS 4700P-16	C755	*87-010-401-019	CAP, ELECT 1-50 SME
C405	*87-010-401-019	CAP, ELECT 1-50 SME	C802	*87-018-102-019	CAP, CERA-SOL SS 6. 8P-50 SL(E, K)
C406	*87-010-401-019	CAP, ELECT 1-50 SME	C802	*87-018-101-019	CAP, CERA-SOL SS 5. 6P-50 SL(Z)
C407	*87-018-130-019	CAP, CERA-SOL SS 820P-50	C804	*87-018-102-019	CAP, CERA-SOL SS 6. 8P-50 SL(E, K)
C408	*87-018-130-019	CAP, CERA-SOL SS 820P-50	C805	*87-018-098-019	CAP, CERA-SOL SS 3. 3P-50 SL(E, K)
C409	*87-010-256-019	CAP, ELECT 0. 68-50	C805	*87-018-097-019	CAP, CERA-SOL SS 2. 2P-50 SL(Z)
C410	*87-010-256-019	CAP, ELECT 0. 68-50	C806	*87-018-096-019	CAP, CERA-SOL SS 1P-50 SL
C411	*87-010-404-019	CAP, ELECT 4. 7-50 SME	C807	*87-018-100-019	CAP, CERA-SOL SS 4. 7P-50 SL(E, K)
C412	*87-010-404-019	CAP, ELECT 4. 7-50 SME	C807	*87-018-106-019	CAP, CERA-SOL SS 15P-50 SL(Z)
C413	*87-010-371-019	CAP, ELECT 470-6. 3	C808	*87-018-119-019	CAP, CERA-SOL SS 100P-50
C414	*87-010-382-019	CAP, ELECT 22-25 SME	C809	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C415	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	C810	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C451	*87-018-123-019	CAP, CERA-SOL SS 220P-50	C811	*87-018-116-019	CAP, CERA-SOL SS 56P-50 SL
C452	*87-018-123-019	CAP, CERA-SOL SS 220P-50	C812	*87-018-107-019	CAP, CERA-SOL SS 18P-50 SL
C453	*87-018-131-019	CAP, CERA-SOL SS 1000P-50	C813	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C456	*87-010-406-019	CAP, ELECT 22-50 SME	C814	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C465	*87-010-234-019	CAP, ELECT 47-16	C815	*87-010-401-019	CAP, ELECT 1-50 SME
C501	*87-010-402-019	CAP, ELECT 2. 2-50 SME	C831	*87-018-099-019	CAP, CERA-SOL SS 3. 9P-50 SL(E, K)
C502	*87-010-402-019	CAP, ELECT 2. 2-50 SME	C831	*87-018-101-019	CAP, CERA-SOL SS 5. 6P-50 SL(Z)
C504	*87-018-132-019	CAP, CERA-SOL SS 2200P-16	C832	*87-018-104-019	CAP, CERA-SOL SS 10P-50 SL(Z)
C506	*87-018-132-019	CAP, CERA-SOL SS 2200P-16	C834	*87-018-101-019	CAP, CERA-SOL SS 5. 6P-50 SL(Z)
C513	*87-010-401-019	CAP, ELECT 1-50 SME	C941	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C514	*87-010-401-019	CAP, ELECT 1-50 SME	C942	*87-018-121-019	CAP, CERA-SOL SS 150P-50 B
C515	*87-018-121-019	CAP, CERA-SOL SS 150P-50	C943	*87-014-050-019	CAP, PP 510P-100J
C516	*87-018-121-019	CAP, CERA-SOL SS 150P-50	C945	*87-010-401-019	CAP, ELECT 1-50 SME
C551	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	C962	*87-010-405-019	CAP, ELECT 10-50 SME
C603	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	C963	*87-014-049-019	CAP, PP 470P-100
C604	*87-010-408-019	CAP, ELECT 47-50 SME	C964	*87-018-108-019	CAP, CERA-SOL SS 20P-50 SL
C605	*87-018-209-019	CAP, CERA-SOL SS 0. 1-50	C971	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C606	*87-010-404-019	CAP, ELECT 4. 7-50 SME	C972	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16(E, K)
C607	*87-018-106-019	CAP, CERA-SOL SS 15P-50 SL	C983	*87-010-401-019	CAP, ELECT 1-50 SME
C608	*87-010-248-019	CAP, ELECT 220-10 SME	C985	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C609	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	C990	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C610	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	C991	*87-010-374-019	CAP, ELECT 47-10
C611	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	C992	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C613	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	C993	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C615	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	C994	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C617	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	C995	*87-010-260-019	CAP, ELECT 47-25 SME
C619	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	C996	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C621	*87-018-199-019	CAP, CERA-SOL SS 3300P-16	C997	*87-018-209-019	CAP, CERA-SOL SS 0. 1-50
C622	*87-018-199-019	CAP, CERA-SOL SS 3300P-16	C998	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C623	*87-018-195-019	CAP, CERA-SOL SS 1200P-16	C999	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C624	*87-018-195-019	CAP, CERA-SOL SS 1200P-16	CF741	*82-794-670-019	BFU 450C4N
C625	*87-010-403-019	CAP, ELECT 3. 3-50 SME	CF971	*87-008-261-019	FILTER SFE10. 7MA5-A(E, K)
C626	*87-010-403-019	CAP, ELECT 3. 3-50 SME	CF971	*87-799-621-019	MS2-A(Z)
C721	*87-010-402-019	CAP, ELECT 2. 2-50 SME	CF972	*87-008-261-019	FILTER SFE10. 7MA5-A
C722	*87-010-402-019	CAP, ELECT 2. 2-50 SME	CF973	*87-008-261-019	FILTER SFE10. 7MA5-A(Z)
C723	*87-010-405-019	CAP, ELECT 10-50 SME	D801	*87-027-900-019	DIODE, VARI-CAP 1SV147
C724	*87-014-057-019	CAP, PP 1000P-100	D802	*87-027-900-019	DIODE, VARI-CAP 1SV147
C725	*87-010-401-019	CAP, ELECT 1-50 SME	D803	*87-027-900-019	DIODE, VARI-CAP 1SV147

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
D804	*87-027-900-019	DIODE, VARI-CAP 1SV147(Z)	C151	*87-018-134-019	CAP, CERA-SOL SS 0.01-16
D981	*81-754-634-019	DIODE, VARI-CAP KV1260	C153	*87-018-131-019	CAP, CERA-SOL SS 1000P-50
J151	81-584-634-019	JACK ASSY, 4P(DAT/AUX IN, OUT)	C154	*87-010-071-019	CAP, ELECT 1-50
J902	*81-631-646-019	ANT TERMINAL 2P PAL(ANTENNA)	C155	*87-010-248-019	CAP, ELECT 220-10 SME
J903	81-754-629-010	CONNECTOR XH 2P(UL)(MW/LW LOOP) (E, K)	C156	*87-010-221-019	CAP, ELECT 470-10
L451	*82-794-661-010	COIL, OSC BIAS	C157	*87-010-075-019	CAP, ELECT 10-16
L501	*87-003-131-019	COIL, 10MMH	C158	*87-015-684-019	CAP, ELECT 47-16
L502	*87-003-131-019	COIL, 10MMH	C159	*87-010-408-010	CAP, ELECT 47-50 SME
L503	*82-231-622-010	COIL, 22MMH	C301	*87-018-131-019	CAP, CERA-SOL SS 1000P-50
L504	*82-231-622-010	COIL, 22MMH	C302	*87-010-382-019	CAP, ELECT 22-25 SME
L601	*87-005-153-019	COIL, 47UH	C304	*87-018-129-019	CAP, CERA-SOL SS 680P-50
L604	*87-003-098-019	COIL, 2. 2UH	C305	*87-010-401-019	CAP, ELECT 1-50 SME
L605	*87-003-098-019	COIL, 2. 2UH	CF1	*89-MX1-691-019	CERA LOCK 3.9MHZ
L621	*81-631-643-019	COIL, 1 POLE MPX	FL101	89-MX1-700-010	FL, CPF-5419(GEQ./TUNER DISPLAY)
L622	*81-631-643-019	COIL, 1 POLE MPX	J301	89-MX1-658-019	JACK, PHI 3.5 MONO(MIC)
L741	*81-631-611-019	COIL, QUAD (SINGLE)	LED1	87-001-895-010	LED SEL3913K(CD)
L801	*81-794-716-019	COIL, ANT 3/4 T	LED2	87-001-895-010	LED SEL3913K(CD)
L802	*81-794-717-019	COIL, ANT 2-3/4 SPACE	LED3	87-001-895-010	LED SEL3913K(DAT/AUX)
L803	*82-791-627-019	COIL, ANT 2 FM	LED4	87-001-895-010	LED SEL3913K(DAT/AUX)
L804	*82-702-638-019	COIL, FM DIA6	LED5	87-001-895-010	LED SEL3913K(TAPE)
L805	*87-003-098-019	COIL, 2. 2UH	LED6	87-001-895-010	LED SEL3913K(TUNER)
L806	*82-794-683-019	IFT, FM 6T	LED7	87-001-895-010	LED SEL3913K(TUNER)
L807	*87-007-259-019	COIL, FM OSC (7K)N	LED8	87-001-895-010	LED SEL3913K(TUNER)
L831	*87-006-175-019	COIL, FM(4 GANG)(Z)	LED9	87-001-123-019	LED SLZ 981C-02T1(REC)
L941	*87-006-177-019	COIL, LW ANT	LED10	87-001-124-019	LED SLZ 381C-02-T1(REV)(D2)
L942	*82-794-688-019	COIL, OSC LW	LED11	87-001-124-019	LED SLZ 381C-02-T1(FWD)(D2)
L981	*82-794-687-019	COIL, OSC	LED12	87-001-294-019	LED SLZ 481C-02-T1(PAUSE)
L982	*87-006-190-019	COIL, MW ANT(3B)	LED13	87-001-124-019	LED SLZ 381C-02-T1(REV)(D1)
△R271	87-029-060-019	RES, FUSE 33-1/4W	LED14	87-001-124-019	LED SLZ 381C-02-T1(FWD)(D1)
SFR201	*87-024-175-019	SFR 47K	LED15	87-001-123-019	LED SLZ 981C-02T1(SYNC DUBBING)
SFR202	*87-024-175-019	SFR 47K	R105	89-MX1-688-019	RES, ARRAY R6P A
SFR301	*87-024-168-019	SFR 1K	R106	89-MX1-689-019	RES, ARRAY R6P B
SFR302	*87-024-168-019	SFR 1K	SW1	87-036-142-019	TACT SW(REW)(D1)
SFR351	*87-024-168-019	SFR 1K	SW2	87-036-142-019	TACT SW(F FWD)(D1)
SFR352	*87-024-168-019	SFR 1K	SW3	87-036-142-019	TACT SW(< >)(D1)
SFR451	*87-024-175-019	SFR 47K	SW4	87-036-142-019	TACT SW(■)(D1)
SFR452	*87-024-175-019	SFR 47K	SW5	87-036-142-019	TACT SW(REW)(D2)
SFR501	*87-024-171-019	SFR 4. 7K	SW6	87-036-142-019	TACT SW(F FWD)(D2)
SFR502	*87-024-171-019	SFR 4. 7K	SW7	87-036-142-019	TACT SW(< >)(D2)
SFR721	*87-024-171-019	SFR 4. 7K	SW8	87-036-142-019	TACT SW(■)(D2)
SFR740	*87-024-174-019	SFR 33K	SW9	87-036-142-019	TACT SW(REC MUTE)
TC601	*87-011-221-019	CAP, TRIMMER 30P	SW10	87-036-142-019	TACT SW(PAUSE)
TC801	*87-011-219-019	CAP, TRIMMER 10P	SW11	87-036-142-019	TACT SW(REC)
TC802	*87-011-219-019	CAP, TRIMMER 10P	SW12	87-036-142-019	TACT SW(CD SYNC REC)
TC803	*87-011-219-019	CAP, TRIMMER 10P(Z)	SW14	87-036-142-019	TACT SW(POWER)
TC941	*87-011-221-019	CAP, TRIMMER 30P	SW15	87-036-142-019	TACT SW(HIGH)
TC981	*87-011-219-019	CAP, TRIMMER 10P	SW16	87-036-142-019	TACT SW(NORMAL)
X601	*87-030-163-019	VIB, XTAL 7.2MHZ(NDK)	SW17	87-036-142-019	TACT SW(CD)
===FRONT CIRCUIT BOARD SECTION===			SW18	87-036-142-019	TACT SW(DAT/AUX)
C1	*87-018-131-019	CAP, CERA-SOL SS 1000P-50	SW20	87-036-142-019	TACT SW(TUNER)
C2	*87-018-131-019	CAP, CERA-SOL SS 1000P-50	SW22	87-036-142-019	TACT SW(TAPE)
C3	*87-018-131-019	CAP, CERA-SOL SS 1000P-50	SW24	87-036-142-019	TACT SW(BBE)
C4	*87-018-131-019	CAP, CERA-SOL SS 1000P-50	SW25	87-036-142-019	TACT SW(1)
C103	*87-018-208-019	CAP, CERA-SOL SS 0.047-50	SW26	87-036-142-019	TACT SW(2)
C104	*87-018-208-019	CAP, CERA-SOL SS 0.047-50	SW27	87-036-142-019	TACT SW(3)
C107	*87-018-126-019	CAP, CERA-SOL SS 390P-50	SW28	87-036-142-019	TACT SW(4)
C108	*87-018-126-019	CAP, CERA-SOL SS 390P-50	SW29	87-036-142-019	TACT SW(5)
C109	*87-018-205-019	CAP, CERA-SOL SS 0.022-25	SW30	87-036-142-019	TACT SW(6)
C110	*87-018-205-019	CAP, CERA-SOL SS 0.022-25	SW31	87-036-142-019	TACT SW(7)
C111	*87-018-134-019	CAP, CERA-SOL SS 0.01-16	SW32	87-036-142-019	TACT SW(8)
C112	*87-018-134-019	CAP, CERA-SOL SS 0.01-16	SW33	87-036-142-019	TACT SW(9)
C113	*87-018-208-019	CAP, CERA-SOL SS 0.047-50	SW34	87-036-142-019	TACT SW(10)
C114	*87-018-208-019	CAP, CERA-SOL SS 0.047-50	SW35	87-036-142-019	TACT SW(MODE)
C119	*87-018-109-019	CAP, CERA-SOL SS 22P-50 SL	SW36	87-036-142-019	TACT SW(DISPLAY)
C120	*87-018-109-019	CAP, CERA-SOL SS 22P-50 SL	SW37	87-036-142-019	TACT SW(SET)
			SW38	87-036-142-019	TACT SW(BAND)
			SW39	87-036-142-019	TACT SW(▲UP)
			SW40	87-036-142-019	TACT SW(▼DOWN)

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
SW51	87-036-142-019	TACT SW(CONT)	C510	*87-010-404-019	CAP, ELECT 4. 7-50 SME
SW52	87-036-142-019	TACT SW(▶▶/▶▶)	C511	*87-018-199-019	CAP, CERA-SOL SS 3300P-16
SW53	87-036-142-019	TACT SW(◀◀/◀◀)	C512	*87-018-199-019	CAP, CERA-SOL SS 3300P-16
SW54	87-036-142-019	TACT SW(OPEN/CLOSE)	C513	*87-010-380-019	CAP, ELECT 47-16 SME
SW55	87-036-142-019	TACT SW(RANDOM)	C514	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
SW56	87-036-142-019	TACT SW(DELETE)	C515	*87-010-248-019	CAP, ELECT 220-10 SME
SW57	87-036-142-019	TACT SW(PRG/CHK)	C516	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
SW58	87-036-142-019	TACT SW(REPEAT/BLANK)	C520	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
SW59	87-036-142-019	TACT SW(TIME)	C521	*87-018-133-019	CAP, CERA-SOL SS 4700P-16
SW60	87-036-142-019	TACT SW(AUTO)	C602	*87-010-404-019	CAP, ELECT 4. 7-50 SME
SW61	87-036-142-019	TACT SW(>)	C605	*87-010-380-019	CAP, ELECT 47-16 SME
SW62	87-036-142-019	TACT SW(■)	C606	*87-010-380-019	CAP, ELECT 47-16 SME
SW63	87-036-142-019	TACT SW(■)	C607	*87-010-380-019	CAP, ELECT 47-16 SME
SW101	89-MX1-682-019	SLIDE SW(MODE)	C608	*87-010-380-019	CAP, ELECT 47-16 SME
SW102	89-MX1-681-019	SLIDE SW(DOLBY NR)	C701	*87-010-124-019	CAP, ELECT 4700-16
VR101	89-MX1-698-019	VOLUME, SLIDE 100KB(TURBO SONIC)	C702	*87-010-124-019	CAP, ELECT 4700-16
VR102	89-MX1-698-019	VOLUME, SLIDE 100KB(500Hz)	C703	*87-010-405-019	CAP, ELECT 10-50 SME
VR103	89-MX1-698-019	VOLUME, SLIDE 100KB(2KHz)	C705	*87-010-380-019	CAP, ELECT 47-16 SME
VR104	89-MX1-698-019	VOLUME, SLIDE 100KB(10KHz)	C706	*87-010-380-019	CAP, ELECT 47-16 SME
VR105	89-MX1-693-019	VOLUME 50K-X2(BBE)	C707	*87-010-379-019	CAP, ELECT 22-16 SME
VR301	89-MX1-696-019	VOLUME 10KA(MIC MIXING)	C708	*87-010-379-019	CAP, ELECT 22-16 SME
===CD MAIN CIRCUIT BOARD SECTION===			C709	*87-010-408-019	CAP, ELECT 47-50 SME
C101	*87-010-380-019	CAP, ELECT 47-16 SME	C710	*87-010-410-019	CAP, ELECT 330-50 SME
C102	*87-010-380-019	CAP, ELECT 47-16 SME	C713	*87-010-380-019	CAP, ELECT 47-16 SME
C103	*87-010-380-019	CAP, ELECT 47-16 SME	C714	*87-010-112-019	CAP, ELECT 100-16
C108	*87-010-400-019	CAP, ELECT 0. 47-50 SME	C716	*87-010-405-019	CAP, ELECT 10-50 SME
C109	*87-018-199-019	CAP, CERA-SOL SS 3300P-16	C717	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C110	*87-018-199-019	CAP, CERA-SOL SS 3300P-16	C801	*87-018-131-019	CAP, CERA-SOL SS 1000P-50
C111	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	C802	*87-018-119-019	CAP, CERA-SOL SS 100P-50
C112	*87-010-380-019	CAP, ELECT 47-16 SME	C805	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16
C113	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	CER401	*87-008-394-019	CF CST4. 19MGW
C114	*87-010-380-019	CAP, ELECT 47-16 SME	EMI301	*87-008-372-019	FILTER EMI, BL 01RNI
C115	*87-018-147-019	CAP, CERA-SOL SS 10P-50 CH	EMI302	*87-008-372-019	FILTER EMI, BL 01RNI
C116	*87-018-140-019	CAP, CERA-SOL SS 2. 2P-50 CH	EMI501	*87-008-372-019	FILTER EMI, BL 01RNI
C206	*87-010-404-019	CAP, ELECT 4. 7-50 SME	EMI701	*87-008-372-019	FILTER EMI, BL 01RNI
C207	*87-010-401-019	CAP, ELECT 1-50 SME	EMI702	*87-008-372-019	FILTER EMI, BL 01RNI
C208	*87-010-379-019	CAP, ELECT 22-16 SME	FL401	89-MX1-701-010	FL, 9BT-68GK(CD DISPLAY)
C209	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	L101	*87-003-147-019	COIL, 22UH
C210	*87-010-380-019	CAP, ELECT 47-16 SME	L201	*87-003-147-019	COIL, 22UH
C211	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	L202	*87-003-147-019	COIL, 22UH
C212	*87-010-380-019	CAP, ELECT 47-16 SME	L401	*87-003-147-019	COIL, 22UH
C213	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	L501	*87-005-406-019	COIL, 560UH
C214	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	L502	*87-005-406-019	COIL, 560UH
C215	*87-010-380-019	CAP, ELECT 47-16 SME	L503	*87-003-147-019	COIL, 22UH
C216	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	R204	*87-025-373-019	RES, METAL 3. 9K-1/6W
C217	*87-010-380-019	CAP, ELECT 47-16 SME	R301	*87-025-426-019	RES, M/F 22K-1/6W
C218	*87-010-404-019	CAP, ELECT 4. 7-50 SME	R302	*87-025-426-019	RES, M/F 22K-1/6W
C219	*87-018-123-019	CAP, CERA-SOL SS 220P-50	R703	*87-025-335-019	RES, M/O 390-1W
C303	*87-010-400-019	CAP, ELECT 0. 47-50 SME	SFR101	*87-024-173-019	SFR 22K
C304	*87-010-380-019	CAP, ELECT 47-16 SME	SFR102	*87-024-173-019	SFR 22K
C305	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	SFR103	*87-024-173-019	SFR 22K
C306	*87-015-684-019	CAP, ELECT 47-16	SFR104	*87-024-173-019	SFR 22K
C307	*87-018-150-019	CAP, CERA-SOL SS 18P-50 CH	SFR201	*87-024-302-019	SFR 1K
C308	*87-018-150-019	CAP, CERA-SOL SS 18P-50 CH	X301	*84-733-617-019	VIB, XTAL 16. 9344MHZ
C315	*87-010-380-019	CAP, ELECT 47-16 SME	===POWER AMP CIRCUIT BOARD SECTION===		
C316	*87-018-131-019	CAP, CERA-SOL SS 1000P-50	△	87-033-213-019	FUSE CLAMP
C317	*87-018-131-019	CAP, CERA-SOL SS 1000P-50	C9	*87-010-260-019	CAP, ELECT 47-25 SME
C318	*87-018-131-019	CAP, CERA-SOL SS 1000P-50	C10	*87-010-260-019	CAP, ELECT 47-25 SME
C401	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	C21	*87-010-401-019	CAP, ELECT 1-50 SME
C402	*87-010-221-019	CAP, ELECT 470-10	C22	*87-010-401-019	CAP, ELECT 1-50 SME
C403	*87-010-405-019	CAP, ELECT 10-50 SME	C25	*87-010-404-019	CAP, ELECT 4. 7-50 SME
C404	*87-018-131-019	CAP, CERA-SOL SS 1000P-50	C26	*87-010-404-019	CAP, ELECT 4. 7-50 SME
C405	*87-018-131-019	CAP, CERA-SOL SS 1000P-50	C51	*87-010-404-019	CAP, ELECT 4. 7-50 SME
C406	*87-018-131-019	CAP, CERA-SOL SS 1000P-50	C52	*87-010-404-019	CAP, ELECT 4. 7-50 SME
C407	*87-018-134-019	CAP, CERA-SOL SS 0. 01-16	C53	*87-018-127-019	CAP, CERA-SOL SS 470P-50
C509	*87-010-404-019	CAP, ELECT 4. 7-50 SME	C54	*87-018-127-019	CAP, CERA-SOL SS 470P-50
			C55	*87-010-406-019	CAP, ELECT 22-50 SME

REF. NO.	PART NO.	DESCRIPTION
C56	*87-010-406-019	CAP, ELECT 22-50 SME
C57	*87-018-119-019	CAP, CERA-SOL SS 100P-50 B(Z)
C58	*87-018-119-019	CAP, CERA-SOL SS 100P-50 B(Z)
C61	*87-010-408-019	CAP, ELECT 47-50 SME
C62	*87-010-408-019	CAP, ELECT 47-50 SME
C63	*87-010-247-019	CAP, ELECT 100-50 SME
C101	*87-010-248-019	CAP, ELECT 220-10 SME
C102	*87-010-406-019	CAP, ELECT 22-50 SME(E, K)
C102	*87-010-260-019	CAP, ELECT 47-25 SME(Z)
C111	*87-010-260-019	CAP, ELECT 47-25 SME
C113	*87-010-260-019	CAP, ELECT 47-25 SME
C114	*87-010-260-019	CAP, ELECT 47-25 SME
C115	*87-010-260-019	CAP, ELECT 47-25 SME
C116	*87-010-260-019	CAP, ELECT 47-25 SME
C117	*87-010-489-019	CAP, ELECT 6800-50
C118	*87-010-489-019	CAP, ELECT 6800-50
C121	*87-010-248-019	CAP, ELECT 220-10 SME
C122	*87-010-409-019	CAP, ELECT 220-50 SME
C123	*87-010-400-019	CAP, ELECT 0.47-50 SME
C131	*87-018-134-019	CAP, CERA-SOL SS 0.01-16
C132	*87-010-260-019	CAP, ELECT 47-25 SME
C133	*87-010-381-019	CAP, ELECT 330-16 SME
C134	*87-010-381-019	CAP, ELECT 330-16 SME
C135	*87-010-381-019	CAP, ELECT 330-16 SME
C136	*87-010-260-019	CAP, ELECT 47-25 SME
C137	*87-018-134-019	CAP, CERA-SOL SS 0.01-16
C138	*87-010-248-019	CAP, ELECT 220-10 SME
C139	*87-010-390-019	CAP, ELECT 3300-25 SME
△F2	87-035-139-019	FUSE T2. 5A
L1	*87-005-366-010	COIL, 1UH
L2	*87-005-366-010	COIL, 1UH
R87	*87-022-191-010	RES, CEMNT 0.1-5W
R88	*87-022-191-010	RES, CEMNT 0.1-5W
R93	*87-022-191-010	RES, CEMNT 0.1-5W
R94	*87-022-191-010	RES, CEMNT 0.1-5W
△R152	87-029-110-019	RES, FUSE 10-1W
△R154	87-029-110-019	RES, FUSE 10-1W
R155	*87-022-194-019	RES, M/F 0.39-1/2W
RY1	*87-045-306-010	RELAY VB-12MBU-515SP
RY2	*87-045-285-010	RELAY VB12MB
===DRIVER CIRCUIT BOARD SECTION===		
C401	*87-015-692-019	CAP, ELECT 0.22-50
C402	*87-015-692-019	CAP, ELECT 0.22-50
C403	*87-015-692-019	CAP, ELECT 0.22-50
C404	*87-015-692-019	CAP, ELECT 0.22-50
C405	*87-018-127-019	CAP, CERA-SOL SS 470P-50
C406	*87-018-127-019	CAP, CERA-SOL SS 470P-50
C407	*87-018-197-019	CAP, CERA-SOL SS 1800P-16
C408	*87-018-197-019	CAP, CERA-SOL SS 1800P-16
C409	*87-018-202-019	CAP, CERA-SOL SS 6800P-16
C410	*87-018-202-019	CAP, CERA-SOL SS 6800P-16
C414	*87-010-234-019	CAP, ELECT 47-16
C415	*87-010-221-019	CAP, ELECT 470-10
===VOLUME CIRCUIT BOARD SECTION===		
C501	*87-010-402-019	CAP, ELECT 2.2-50 SME
C502	*87-010-402-019	CAP, ELECT 2.2-50 SME
C503	*87-010-404-019	CAP, ELECT 4.7-50 SME
C504	*87-010-404-019	CAP, ELECT 4.7-50 SME
C507	*87-010-405-019	CAP, ELECT 10-50 SME
C508	*87-010-405-019	CAP, ELECT 10-50 SME
C509	*87-010-402-019	CAP, ELECT 2.2-50 SME
C510	*87-010-402-019	CAP, ELECT 2.2-50 SME
C511	*87-010-101-019	CAP, ELECT 220-16
C512	*87-010-374-019	CAP, ELECT 47-10
C513	*87-010-544-019	CAP, ELECT 0.1-50
C515	*87-018-131-019	CAP, CERA-SOL SS 1000P-50

REF. NO.	PART NO.	DESCRIPTION
C516	*87-018-131-019	CAP, CERA-SOL SS 1000P-50
C521	*87-018-115-019	CAP, CERA-SOL SS 47P-50 SL(Z)
C522	*87-018-115-019	CAP, CERA-SOL SS 47P-50 SL(Z)
L501	*87-003-152-019	COIL, 100UH
L502	*87-003-152-019	COIL, 100UH
VR107	89-MX1-699-019	VOLUME 50KA-X2(VOLUME)
M2	+ + +	MOTOR(VOLUME)
LED101	+ + +	LED(VOLUME IND.)
VR108	89-MX1-697-019	VOLUME 100KW(BALANCE)
===PT-1 CIRCUIT BOARD SECTION===		
△	87-033-147-019	FUSE CLAMP
△F1	87-035-190-019	FUSE T2A
===PT-2 CIRCUIT BOARD SECTION===		
===HP CIRCUIT BOARD SECTION===		
C523	*87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y(Z)
C524	*87-018-134-019	CAP, CERA-SOL SS 0.01-16 Y(Z)
J501	87-009-216-019	JACK, DIA 3.5 STS(PHONES)
===TR CIRCUIT BOARD SECTION===		
===DECK-1 CIRCUIT BOARD SECTION===		
M1	S6-005-030-420	MOTOR MMI-6H2LWK(D1)
S1	S6-401-011-740	LEAF SW(PLAY)
S2	S6-401-011-750	LEAF SW(FR)
S3	S6-401-011-730	LEAF SW(CST)
S4	S6-401-011-730	LEAF SW(LH)
SFR1	*S6-816-010-010	SFR 4.7K
SFR2	*S6-816-010-010	SFR 4.7K
SOL1	*S1-880-210-130	SOLENOID(PLAY)
SOL2	*S1-880-210-130	SOLENOID(FR)
===DECK-2 CIRCUIT BOARD SECTION===		
M1	S6-005-030-420	MOTOR MMI-6H2LWK(D2)
S1	S6-401-011-740	LEAF SW(PLAY)
S2	S6-401-011-750	LEAF SW(FR)
S3	S6-401-011-730	LEAF SW(CST)
S4	S6-401-011-730	LEAF SW(LH)
S5	S6-401-011-730	LEAF SW(REA)
S6	S6-401-011-730	LEAF SW(REB)
SFR1	*S6-816-010-010	SFR 4.7K
SFR2	*S6-816-010-010	SFR 4.7K
SOL1	*S1-880-210-130	SOLENOID(PLAY)
SOL2	*S1-880-210-130	SOLENOID(FR)
===RELAY-1 CIRCUIT BOARD SECTION===		
===RELAY-2 CIRCUIT BOARD SECTION===		
===MOTOR-1 CIRCUIT BOARD SECTION===		
※PCB-0	91-625-848-110	MOTOR-1 C.B(RF-310T-11400)
※PCB-0	91-625-848-110	MOTOR-1 C.B(MDN-4RA3NTAS/4RA3ETA)
※M3	9X-264-077-010	MOTOR GEAR ASSY(SLED) (RF-310T-11400)
※M3	9X-264-134-410	MOTOR GEAR ASSY(SLED)(MDN-4RA3ETA)
※M4	9X-264-133-710	MOTOR ASSY(W/CHASSIS, T. T)(SPINDLE) (RF-310T-11400)
※M4	9X-264-134-810	MOTOR ASSY(W/CHASSIS, T. T)(SPINDLE) (MDN-4RA3NTAS)
S7	91-570-822-210	LEAF SW(INSIDE LIMIT)
===MOTOR-2 CIRCUIT BOARD SECTION===		
M5	9X-246-133-610	MOTOR ASSY(LOADING)
===MISCELLANEOUS===		
△	98-848-046-510	PICK UP KSS-150A(H)(RP)
△	82-187-797-019	AC CORD <E>(E, Z)

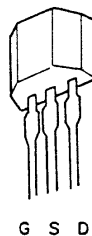
REF. NO.	PART NO.	DESCRIPTION
△	82-187-796-019	AC CORD <BS>(K)
△	87-085-185-010	AC CORD BUSHING <E>
CON301	89-MX1-641-019	CONN ASSY HEAD 1 (D1)
CON451	89-MX1-642-019	CONN ASSY HEAD 2 (D2)
PH	S6-204-070-090	P HEAD(D1)
△PT101	89-MX1-614-019	POWER TRANSFORMER <E> MAIN (E, Z)
△PT101	89-MX1-615-019	POWER TRANSFORMER <K> MAIN (K)
△PT102	89-MX1-619-019	POWER TRANSFORMER <E> CD (E, Z)
△PT102	89-MX1-620-019	POWER TRANSFORMER <K> CD (K)
RPEH	S6-204-040-010	R. P. E HEAD(D2)
S8	91-571-312-110	LEAF SW(OPEN/CLOSE)

※Caution

Two Types of the spindle (DISC) motor and sled motor are used, but they are not compatible.
Check the part numbers (MDN ----, RF ----) on the labels of motors and replace motors with the same one.

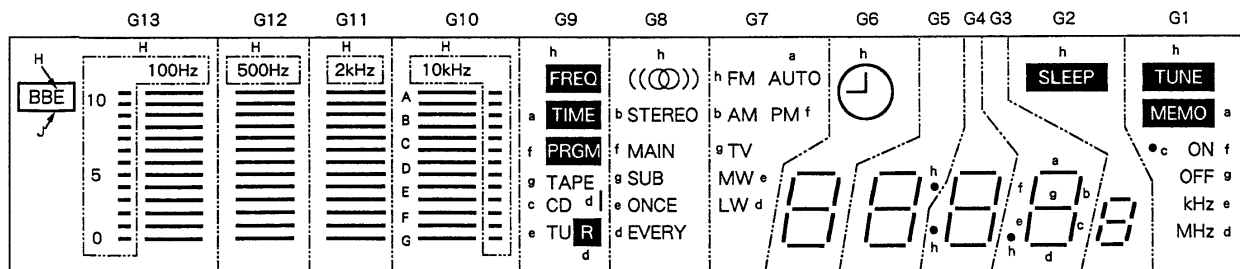


2SA1015	2SC1923	2SB1370	2SC2458
2SA1296	2SC2001	2SD1944	DTA114
2SA933	2SC3266	2SD2061	DTA143
2SA952	2SD655		DTA144
2SC1740	ESA1266		DTC114
2SC1815			DTC143
			DTC144



2SK161	2SK246
2SK241	

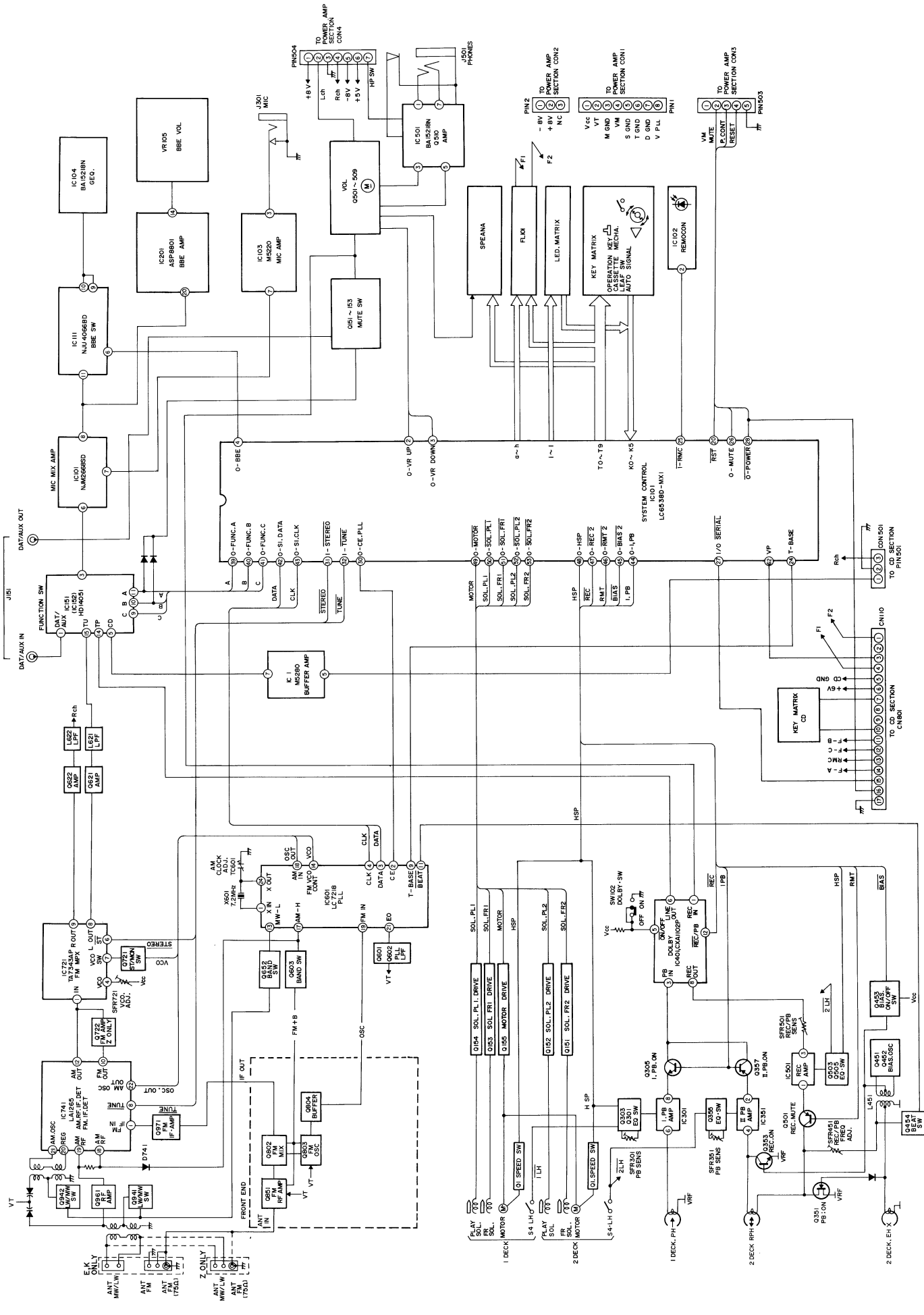
FL101 ASSIGNMENT



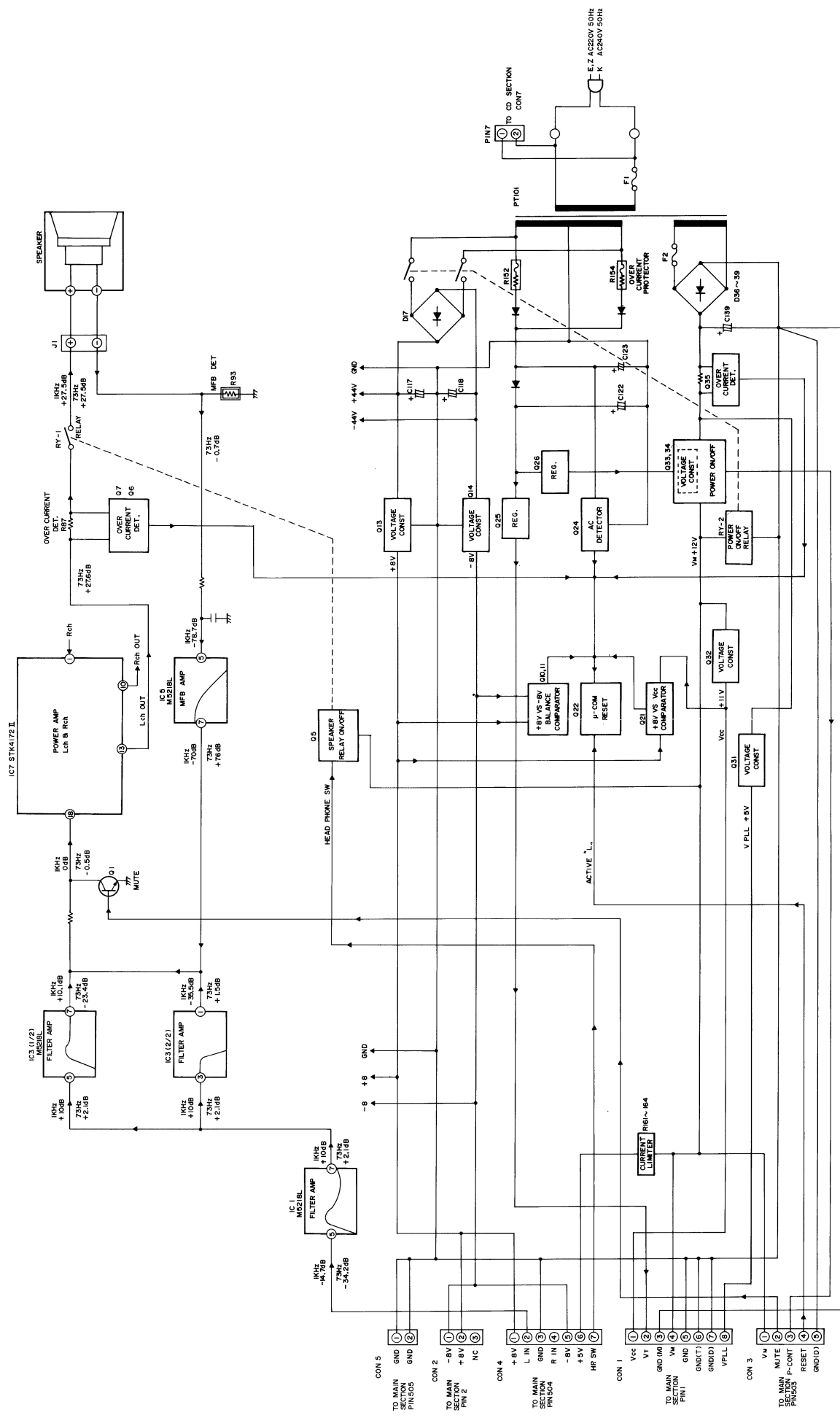
PIN ASSIGNMENT

PIN No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
ASSIGNMENT	F1	F1	–	G13	–	J	G13	H	G	G12	F	E	G11	D	C	G10	B	A	G9	–	–	G8
PIN No.	23	24	25	26	27	28	29	30	31	31	33	34	35	36	37	38	39	40	41	42	43	
ASSIGNMENT	–	–	G7	–	G6	h	g	G5	f	e	G4	d	c	G3	b	G2	a	G1	–	F2	F2	

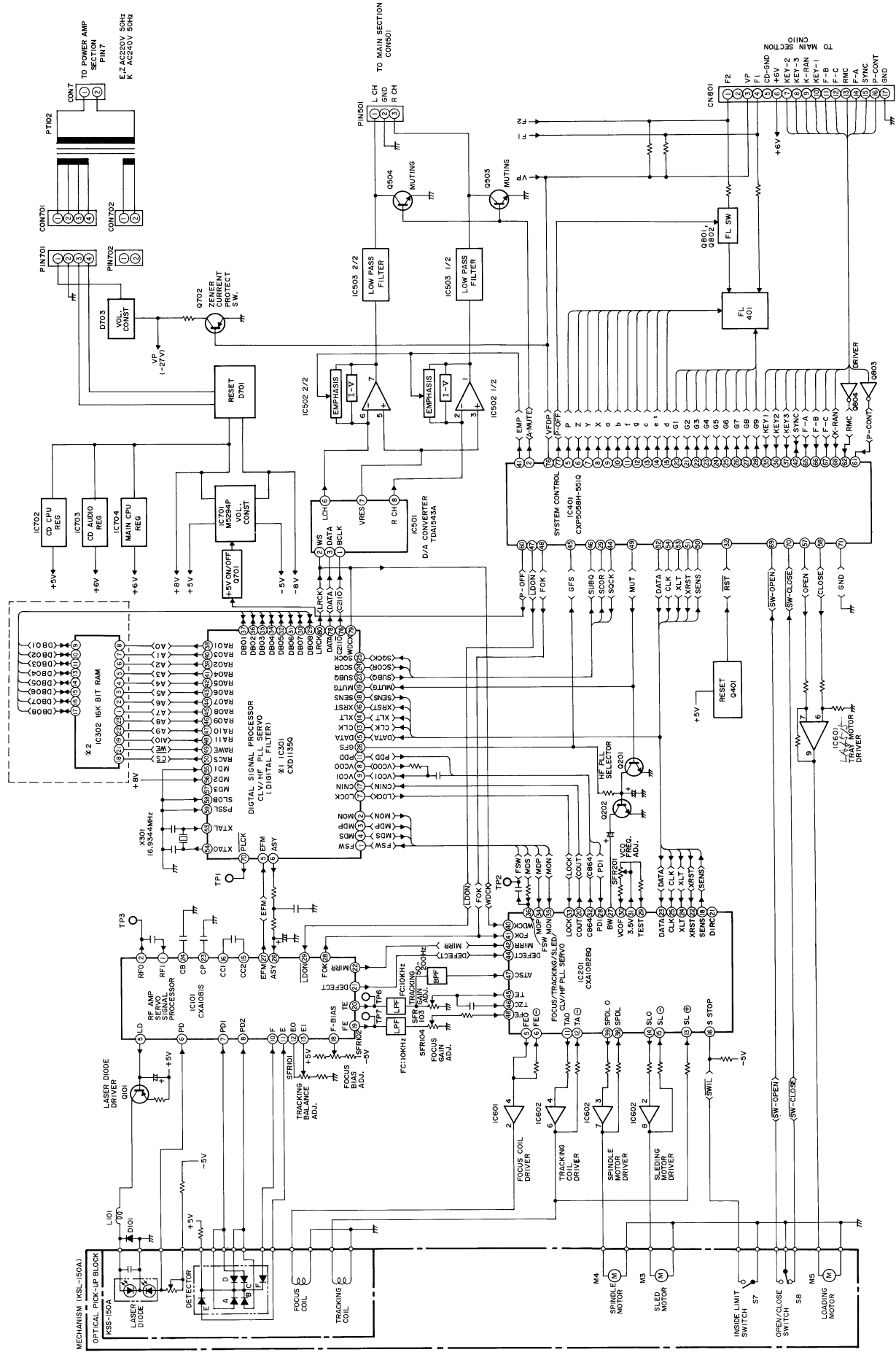
BLOCK DIAGRAM - 1 (MAIN, FRONT SECTION)

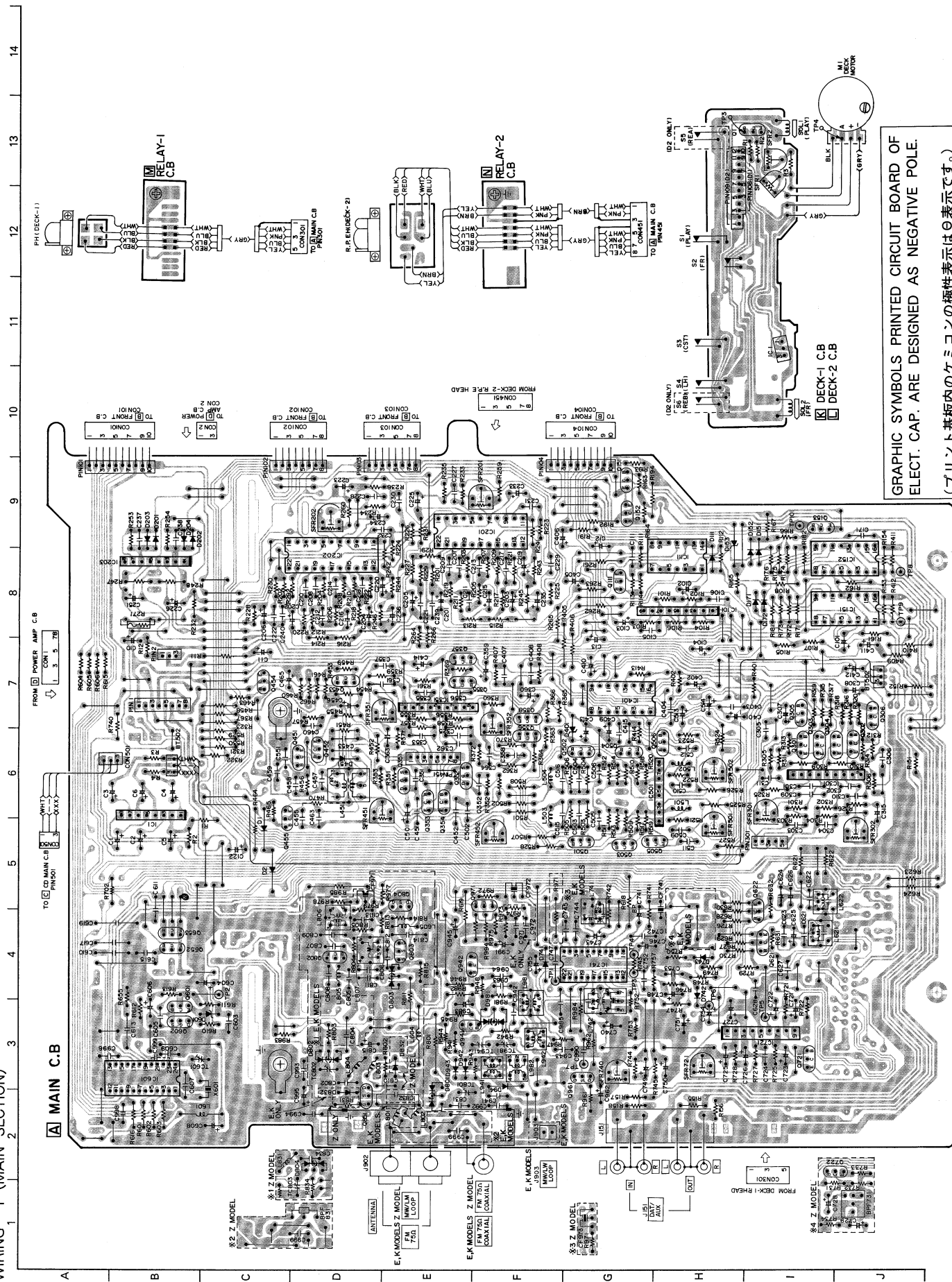


BLOCK DIAGRAM - 2 (AMP SECTION)



- ※1 IC301 alteration IC, CXD1167Q since March, 1990 production.
- ※2 Cancel IC302 (IC, CXK5816M) since March, 1990 production.





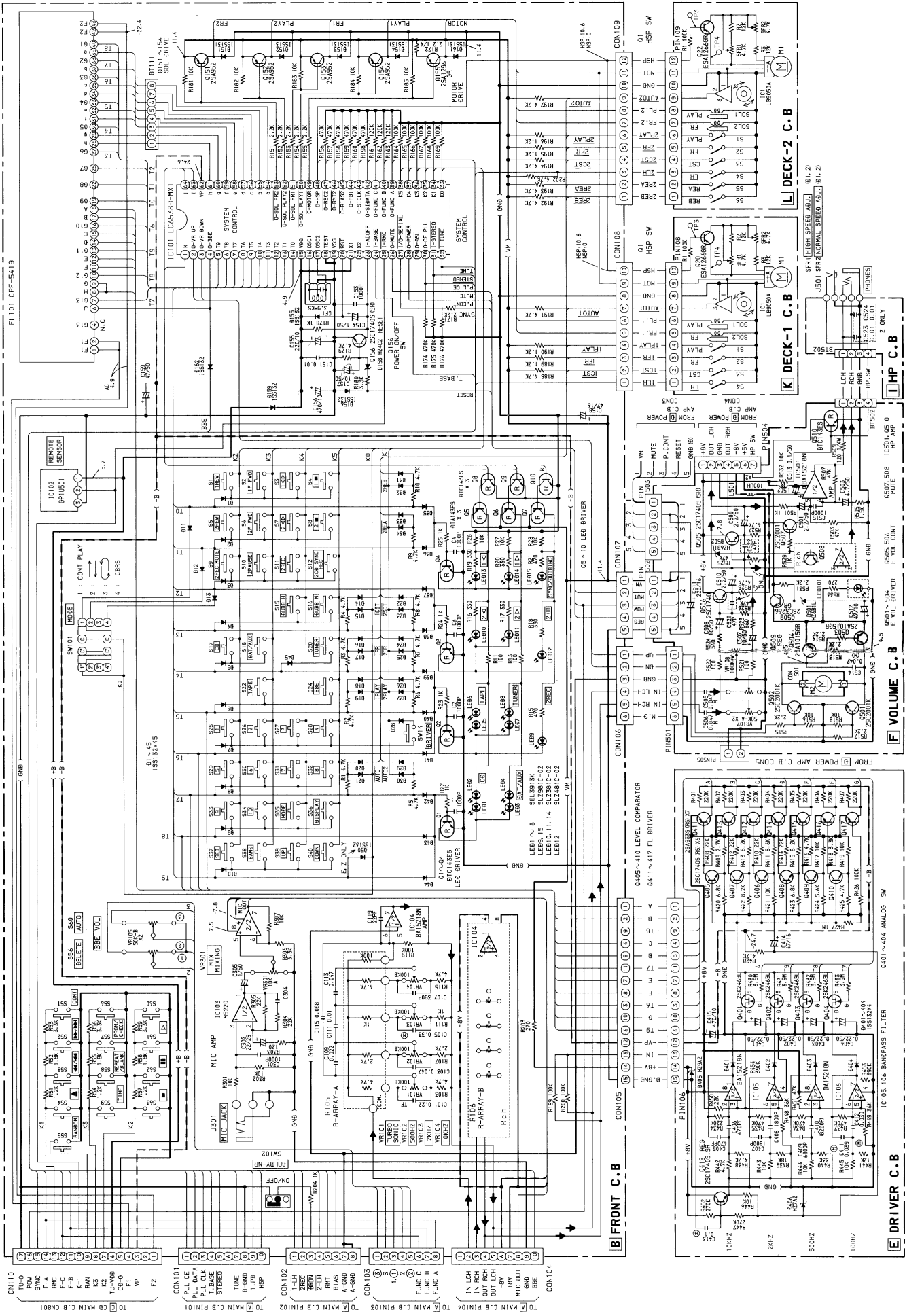
GRAPHIC SYMBOLS PRINTED CIRCUIT BOARD OF
ELECT. CAP. ARE DESIGNED AS NEGATIVE POLE.
(プリント基板内のケミコンの極性表示はの表示です。)

Diagram 1000 is a detailed schematic of the main C.B. (Circuit Board) for the Sony C-1000. It shows the internal circuitry, including the power supply, tuner, amplifier, and various control functions. The diagram is divided into several sections, each labeled with a function or component name. Key components include the power supply (PWR), tuner (TUNER), amplifier (AMP), and various control functions (e.g., TUNING, LIGHT, RELAY). The diagram also shows the connection points for various external components, such as the antenna, speaker, and remote control. The schematic is a complex network of lines representing electrical connections, with various components labeled with their part numbers and values. The diagram is a technical drawing, typical of a service manual, and is intended for use by technicians for troubleshooting and repair.

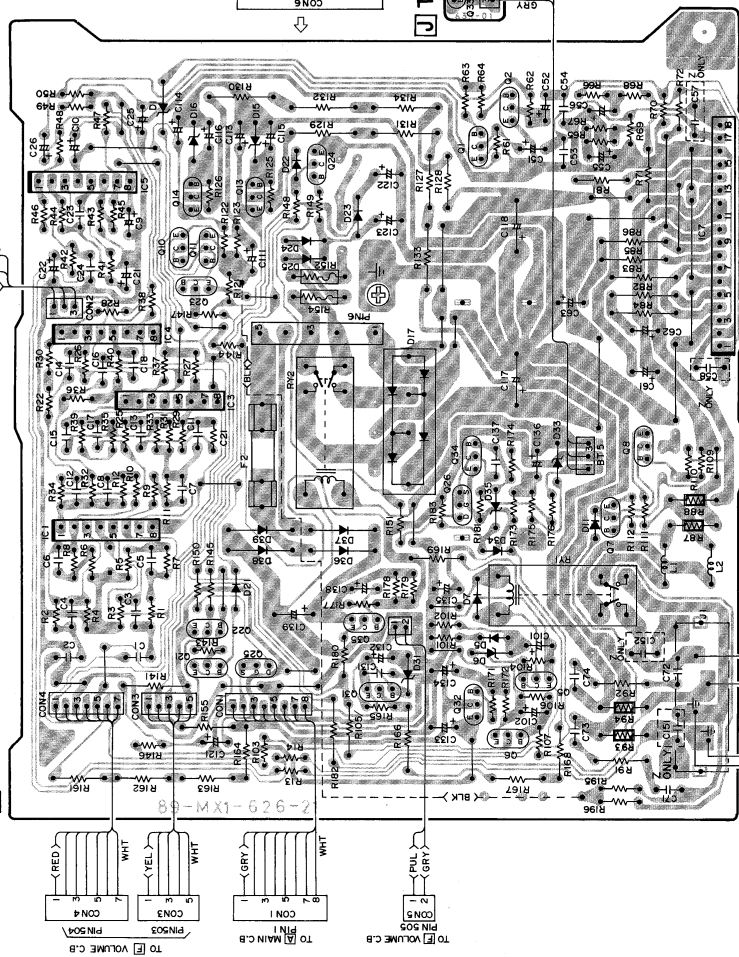
(プリント基板内のケミコンの極性表示は⊖表示です。)



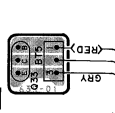
SCHEMATIC DIAGRAM - 2 (FRONT SECTION)



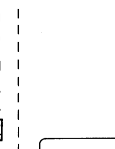
D POWER AMP C.B.



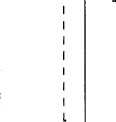
J TR C.B.



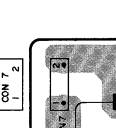
H PT-2 C.B.



G PT-1 C.B.



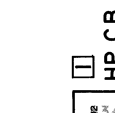
K MODEL



I VOLUME C.B.



E VOLUME C.B.



HP C.B.



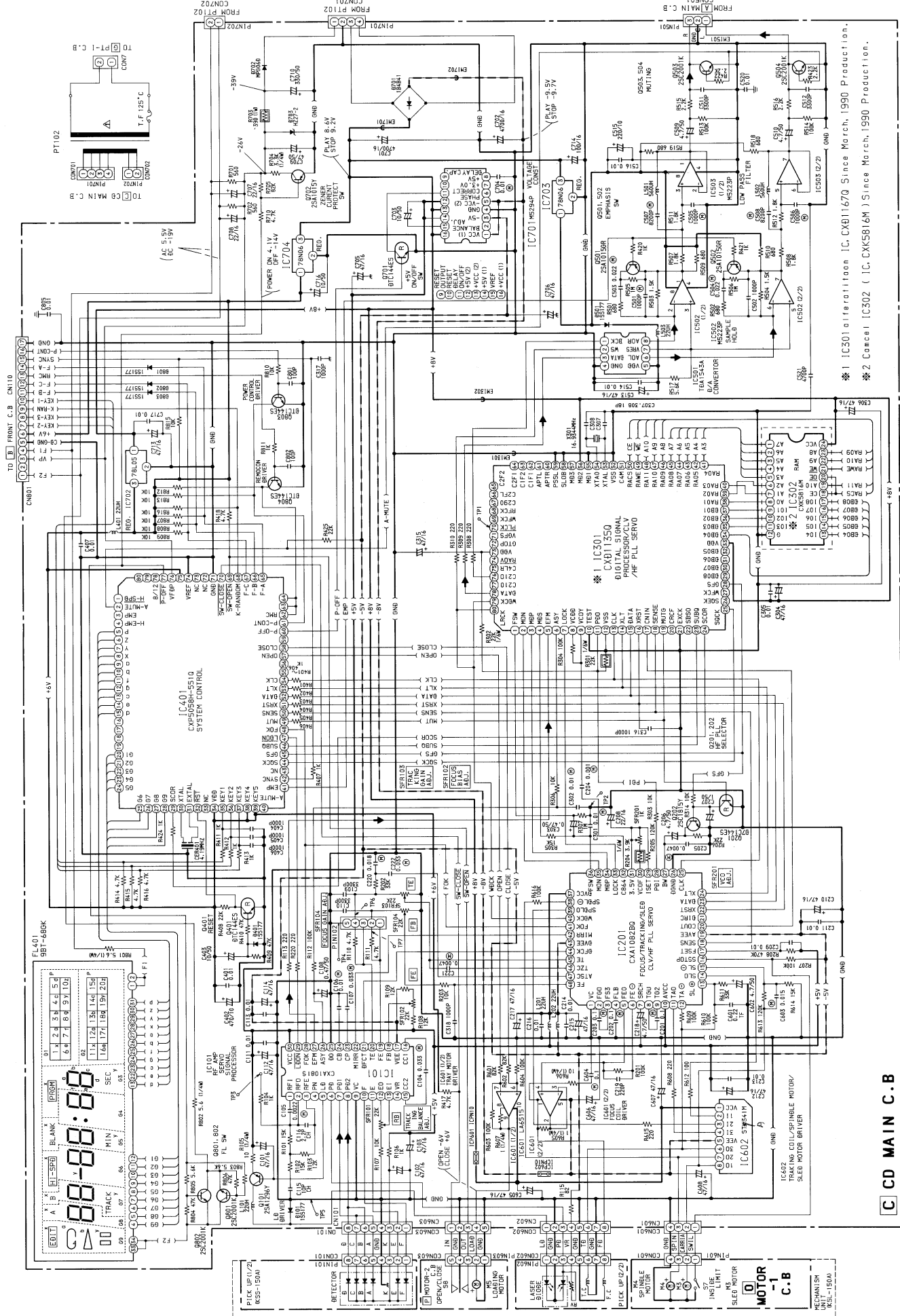
GRAPHIC SYMBOLS PRINTED CIRCUIT BOARD OF
ELECT. CAP. ARE DESIGNED AS NEGATIVE POLE.
(プリント基板内のケミコンの極性表示は⊖表示です。)





29

SCHEMATIC DIAGRAM - 4 (CD SECTION)

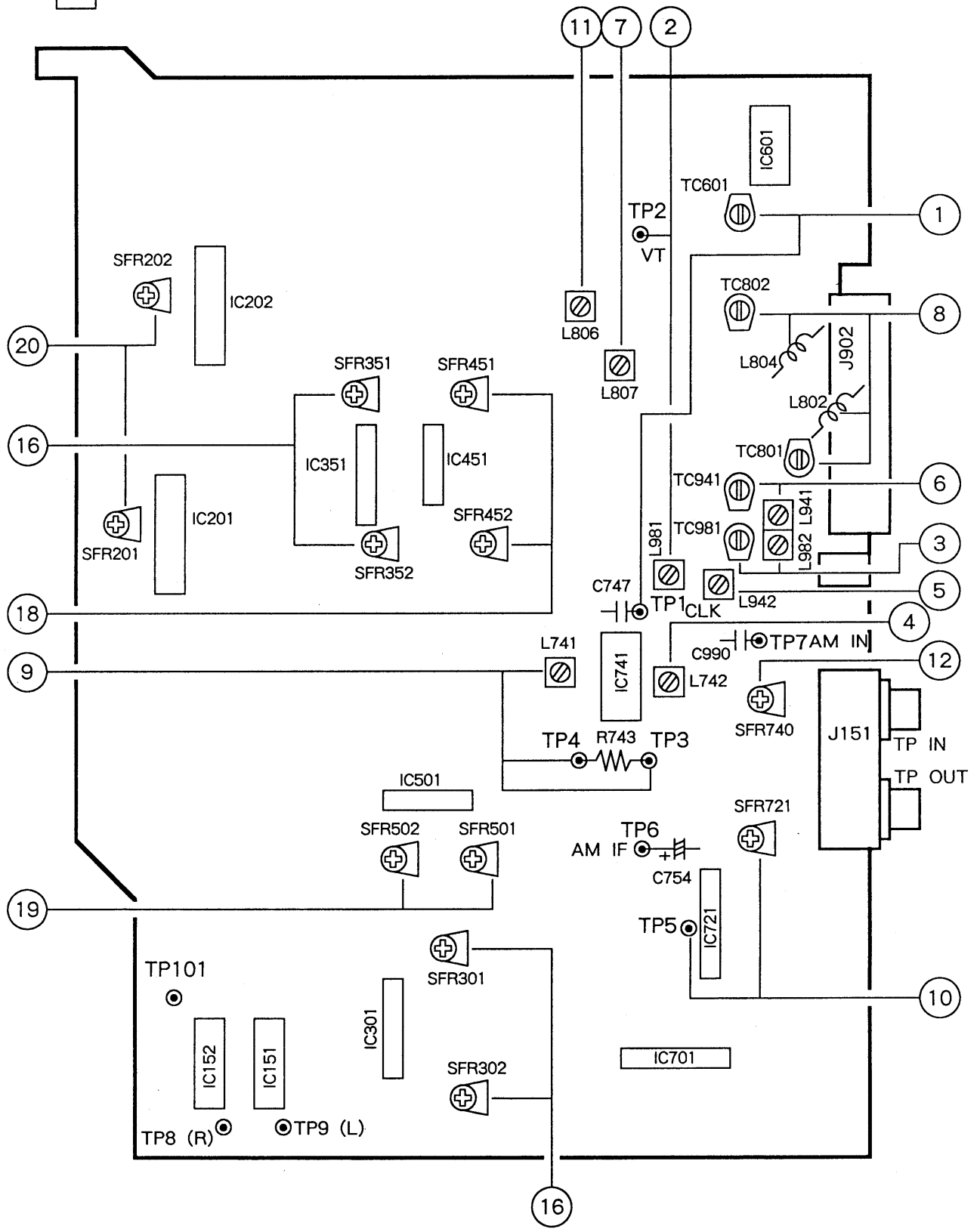


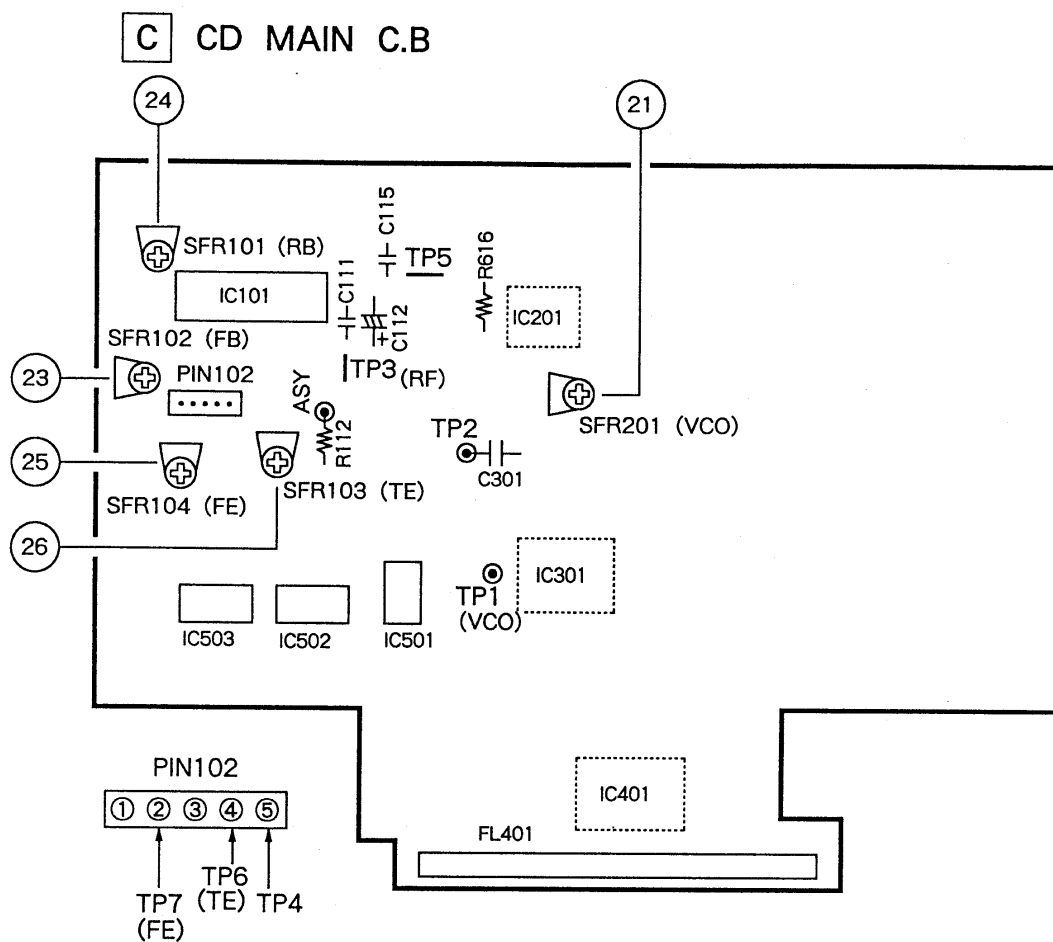
C CD MAIN C.B

* 1 IC301 offeraltiton IC CXB1670 Since March, 1990 Production.
* 2 Canceel IC302 (IC CX5816M) Since March, 1990 Production.

ADJUSTMENT

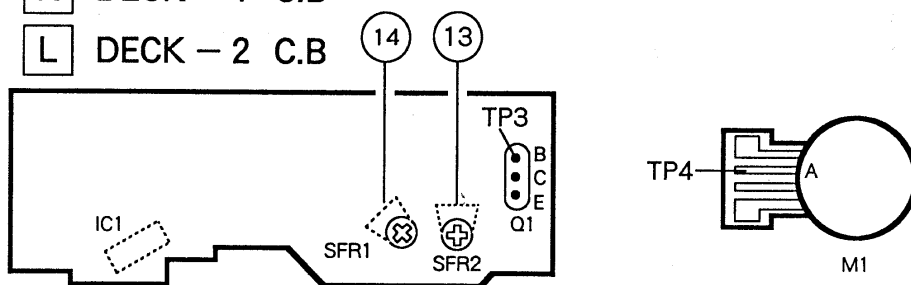
A MAIN C.B





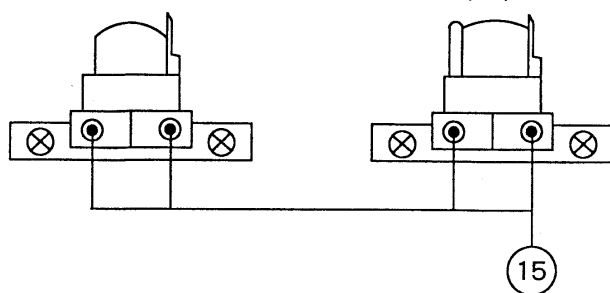
K DECK - 1 C.B

L DECK - 2 C.B



DECK1 P HEAD

DECK2 R/P/E HEAD



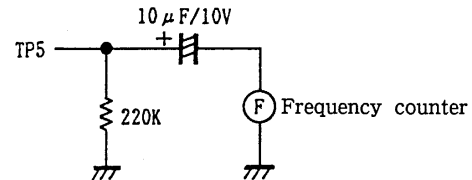
(TUNER SECTION)

1. Clock Frequency Adjustment
Settings : • Test point : TP1 (CLK)
 • Adjustment location : TC601
Method : Set to AM 1602kHz and adjust so that the test point becomes 2052kHz $\pm$ 0.01kHz.
2. MW VT Adjustment
Settings : • Test point : TP2 (VT)
 • Adjustment location : L981
Method : Set to AM 522kHz and adjust so that the test point becomes 1.0V $\pm$ 0.05V.
3. MW Tracking Adjustment
Settings : • Test point : TP-OUT (J151)
 L982 603kHz
 TC981 1404kHz
4. AM IF Adjustment
Settings : • Test point : TP6 (C754)
 L742 1008kHz
5. LW VT Adjustment
Settings : • Test point : TP2 (VT)
 • Adjustment location : L942
Method : Set to LW 153kHz and adjust so that the test point becomes 1.9V $\pm$ 0.05V.
6. LW Tracking Adjustment
Settings : • Test point : TP-OUT (J151)
 L941 153kHz
 TC941 290kHz
7. FM VT Adjustment
Settings : • Test point : TP2 (VT)
 • Adjustment location : L807
Method : Set to FM 87.5MHz and adjust L807 so that the test point becomes 3.0V $\pm$ 0.05V.
8. FM Tracking Adjustment
Settings : • Test point : TP-OUT (J151)
 TC801, TC802 108MHz
 L802, L804 87.5MHz
9. DC Balance/MONO Distortion Adjustment
Settings : • Test point : TP3, TP4 (DC balance)
 TP-OUT (J151) (Distortion)
 • Adjustment location : L741
Method : Set to FM 98.0MHz and adjust L741 so that TP3 and TP4 output becomes 0V $\pm$ 0.02V.
Next, adjust L741 so that the distortion becomes minimum (less than 0.8%).

10. MPX VCO Adjustment

- Settings : • Test point : TP5
 • MODE SW : STEREO
 • Adjustment location : SFR721

Method : Connect a capacitor and a resistor as below.
Set to FM 98.0MHz and adjust so that the frequency at test point becomes 38kHz $\pm$ 0.05kHz.



11. FM IF Adjustment

- Settings : • Test point : TP6 (C754)
 L806 98.0MHz

12. LIGHT ON TUNNING LED Adjustment

- Settings : • Adjustment location : SFR740
 • Input level : 20dB
Method : Set to FM 98.0MHz and adjust TUNNING LED to light on by SFR740. After that, LED goes out by 2dB down.

(DECK SECTION)

13. Normal Speed Adjustment (DECK-1, DECK-2)

- Settings : • Test tape : TTA-100 (TTA-111S)
 • Test point : TP-OUT (J151)
 • Adjustment location : SFR2
 (DECK-1, DECK-2)
Method : Play back the test tape, adjust for 3000Hz.

14. High Speed Adjustment (DECK-1, DECK-2)

- Settings : • Test tape : TTA-100 (TTA-111S)
 • Test point : TP-OUT (J151)
 • Adjustment location : SFR1
 (DECK-1, DECK-2)
Method : Play back the test tape, and make the high speed condition to be shorted between TP3 and TP4. Adjust for 6000Hz.

15. Head Azimuth Adjustment (DECK-1, DECK-2)

- Settings : • Test tape : TTS-310 (TTA-317E, SCC-1429)
 • 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 and REV PLAY mode.

16. PB Sensitivity Adjustment (DECK-1, DECK-2)
 Settings : • Test tape : TTS-200 (TTA-161, TCC-130)
 • Test point : TP-OUT (J151)
 • Adjustment location : SFR301 (DECK-1, Lch)
 SFR302 (DECK-1, Rch)
 SFR351 (DECK-2, Lch)
 SFR352 (DECK-2, Rch)

Method : Play back the test tape and adjust so that the output becomes 270mV.

17. PB Frequency Response Check (DECK-1, DECK-2)
 Settings : • Test tape : TTS-310 (TTA-317E, SCC-1429)
 • Test point : TP-OUT (J151)

Method : Play back the 315Hz and 10kHz signals of the test tape and check the output of the 10kHz signal is $0\text{dB} \pm 2\text{dB}$ with respect to that of the 315Hz signal.

18. REC/PB Frequency Response Adjustment (DECK-2)
 Settings : • Test tape : TTA-600 (TTA-119K)
 • Test point : TP-OUT (J151)
 • DOLBY NR SW : OFF
 • Input signal : 1kHz/10kHz (DAT/AUX IN)
 • Adjustment location : SFR451 (Lch)
 SFR452 (Rch)

Method : Connect TP101 to ground (chassis), apply a 1kHz signal and adjust attenuator so that the level at the DAT/AUX OUT is 19mV. Record and play back the 1kHz and 10kHz signals and adjust so that the output level of 10kHz signal is $-1\text{dB} \pm 0.5\text{dB}$ for 1kHz signal. After adjustment, remove the grounding lead wire.

19. REC/PB Sensitivity Adjustment (DECK-2)
 Settings : • Test tape : TTA-600 (TTA-119K)
 • Test point : TP-OUT (J151)
 • DOLBY NR SW : OFF
 • Input signal : 1kHz (DAT/AUX IN)
 • Adjustment location : SFR501 (Lch)
 SFR502 (Rch)

Method : Connect TP101 to ground (chassis), apply a 1kHz signal and adjust attenuator so that the level at the DAT/AUX OUT is 19mV. Record and play back the 1kHz signal and adjust SFR501 and SFR502 so that the output level is $19\text{mV} - 0.5\text{dB}$.

After adjustment, remove the grounding lead wire.

20. BBE Level Adjustment

- Settings : • Test point : DAT/AUX OUT
 • Input terminal : DAT/AUX IN
 • Input signal : 0dBm (0.775V), 1kHz/5kHz
 • BBE SW : ON
 • Adjustment location : SFR201 (Lch)
 SFR202 (Rch)

Method : Connect TP101 to ground (chassis), set the BBE control to minimum and adjust so that the output difference between the 1kHz and 5kHz signals is $0 \pm 0.5\text{dB}$. After adjustment, remove the grounding lead wire.

(CD SECTION)

21. VCO Frequency Adjustment

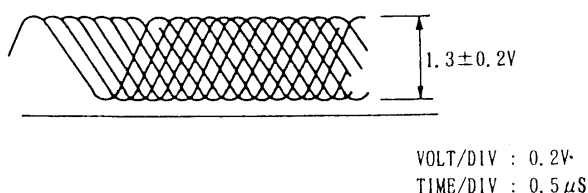
- (1) Open the tray using the OPEN/CLOSE button.
- (2) Connect a frequency counter to TP1 (VCO), TP2 (C301, GND).
- (3) Connect R112 (ASY) to TP4 (PIN102⑤, GND).
- (4) Turn on the power switch.
- (5) Adjust SFR201 (VCO) so that the frequency counter reading is $4.23\text{MHz} \pm 0.02\text{MHz}$.
- (6) After adjustment, remove the grounding lead wire.

22. RF level check

Make the RF level check when replacing and repairing the optical block.

- (1) Connect an oscilloscope to TP3 (RF), TP5 (GND).
- (2) Connect R112 (ASY) to TP4 (PIN102⑤, GND).
- (3) Turn on the power switch.
- (4) Insert the disc YEDS-18 (YEDS-1) TRACK No.2 and press the ►PLAY button.
- (5) Check that the waveform on the oscilloscope is as shown in the figure below.
- (6) After check remove the grounding lead wire.

RF signal waveform

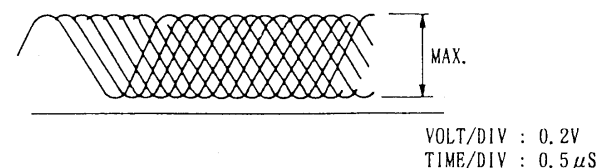


23. Focus Bias Adjustment

Make the focus bias adjustment when replacing and repairing the optical block.

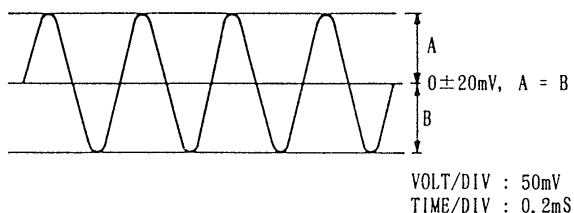
- (1) Connect an oscilloscope to TP3 (RF), TP4 (PIN102⑤, GND)
- (2) Connect R112 (ASY) to TP4 (PIN102⑤, GND).
- (3) Turn on the power switch.
- (4) Insert the disc YEDS-18 (YEDS-1) TRACK No.2 and press the ►PLAY button.
- (5) Adjust SFR102 (FB) to make clear and maximize the waveform amplitude on the oscilloscope. For clearer waveform, diamond shapes (◇) can be distinguished in the center of the waveform.
- (6) After adjustment, remove the grounding lead wire.

RF signal waveform



24. Tracking Balance Adjustment

- (1) Connect an oscilloscope to TP6 (PIN102④), TP4 (PIN102⑤, GND).
- (2) Connect R112 (ASY) to TP4 (PIN102⑤, GND).
- (3) Connect center pin SFR103 (TE) to ground.
- (4) Turn on the power switch.
- (5) Insert the disc YEDS-18 (YEDS-1) TRACK No.2 and press the ►PLAY button.
- (6) Adjust SFR101 (RB) so that the waveform on the oscilloscope is vertically symmetrical as shown in the figure below.
- (7) After adjustment, remove the grounding lead wire.



25, 26. Focus/Tracking Gain Adjustment

A frequency response analyzer is necessary in order to perform this adjustment exactly.

However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.

Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when the 2-axis device operate. However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is raised, the noise when the 2-axis device operates increases.
- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.
- When gain adjustment is off, the symptoms below appear.

Symptoms \ Gain	Focus	Tracking
● The time until music starts becomes longer for STOP→►PLAY or automatic selection (◀▶ buttons pressed.) (Normally takes about 2 seconds.)	low	low or high
● MUSIC does not start and disc continues to rotate for STOP→►PLAY or automatic selection (◀▶ buttons pressed.)	—	low
● Disc table opens shortly after STOP→►PLAY.	low or high	—
● Sound is interrupted during PLAY. Or time counter display stops progressing.	—	low
● More noise during 2-axis device operation.	high	high

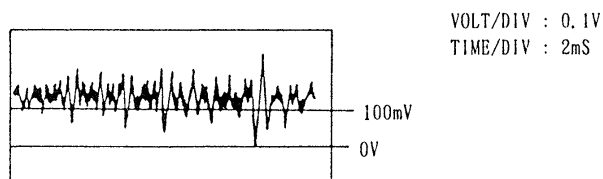
The following is a simple adjustment method.

-Simple Adjustment-

Note : Since exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment. If the positions after the simple adjustment are only a little different, return the controls to the original position.

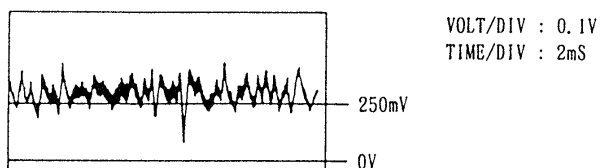
Procedure :

- (1) Keep the set horizontal.
If the set is not horizontal, this adjustment cannot be performed due to the gravity against the 2-axis device.
- (2) Insert a disc YEDS-18 (YEDS-1) TRACK No.2 and press the ►PLAY button.
- (3) Connect an oscilloscope to TP7 (PIN102②).
- (4) Adjustment SFR104 (FE) so that the waveform is as shown in the figure below.
(focus gain adjustment)

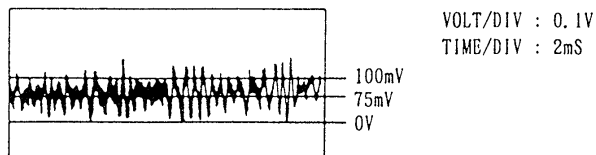


- Incorrect Examples (DC level changes more than on -adjusted waveform)

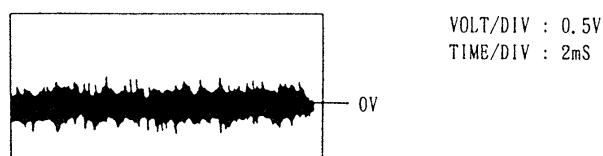
low focus gain



high focus gain

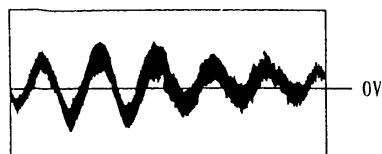


- (5) Connect an oscilloscope to TP6 (PIN102④).
- (6) Adjust SFR103 (TE) so that the waveform is as shown in the figure below.
(tracking gain adjustment)



● Incorrect Example (fundamental wave appears)

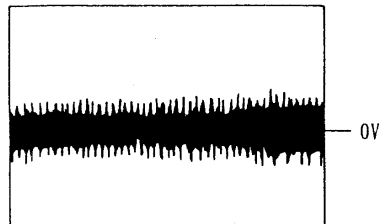
low tracking gain



VOLT/DIV : 0.5V
TIME/DIV : 2mS

high tracking gain

(higher fundamental wave than for low gain)



VOLT/DIV : 0.5V
TIME/DIV : 2mS

PRACTICAL SERVICE FIGURE

< Tuner section >

< FM section >

IHF sensitivity : $4 \pm 4\text{dB}$ (THD 3%, 98MHz)
(E, K only)
 $8 \pm 4\text{dB}$ (THD 3%, 98MHz)
(Z only)

S/N 50dB sensitivity : $30 \pm 5\text{dB}$ (98MHz) (E, K only)

S/N 46dB sensitivity : $30 \pm 5\text{dB}$ (98MHz) (Z only)

Intermediate frequency : 10.7MHz

Stereo distortion : Less than 0.8% (98MHz)

Stereo separation : More than 25dB (98MHz)

< MW section >

Sensitivity : $54 \pm 4\text{dB}$ (999kHz)
(S/N 20dB)

Intermediate frequency : 450kHz

< LW section >

Sensitivity : $63 \pm 4\text{dB}$ (198kHz)
(S/N 20dB)

Intermediate frequency : 450kHz

< Cassette Deck section >

PB output level : $270 \pm 20\text{mV}$ (DAT/AUX OUT)
TTS-200 (TTA-161, TCC-130)

REC/PB output level : $190\text{mV} \pm 2\text{dB}$ (DAT/AUX OUT)

Distortion (REC/PB) : Less than 2.0% (CrO₂, NORM.)

Noise (PB) : Less than 3.5mV
(DOLBY B NR OFF NORM.)
Less than 1.0mV
(DOLBY B NR ON CrO₂)
Erasing ratio : More than 60dB (125Hz)
Crosstalk : More than 60dB (1kHz, 0VU)
Channel separation : More than 45dB (1kHz, 0VU)
REC/PB noise : Less than 0.3mV/1.0mV
(Weighted-A) (DOLBY B NR ON/OFF CrO₂)
Less than 0.5mV/1.5mV
(DOLBY B NR ON/OFF NORM.)

Recording bias frequency : 100kHz

Tape speed : $3000\text{Hz} \pm 1.5\%$

TTA-100 (TTA-111S)

Wow & flutter (W-RMS) : Less than 0.18% (DECK1,2)

Take-up torque : 30~60g-cm (DECK1, 2)

F.F & REW torque : 55~120g-cm (DECK1, 2)

Back tension : 2~5g-cm (DECK1, 2)

Test tape : NORMAL TTA-600 (TTA-119K)
CrO₂ TTA-610 (TTA-119H)

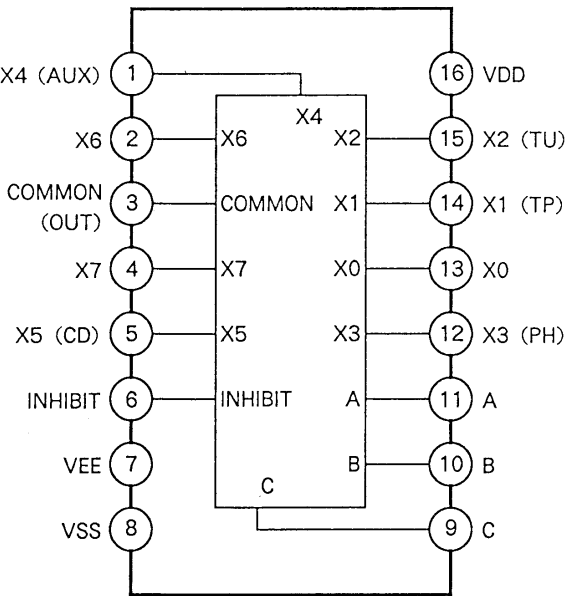
< CD player section >

Output level : $0.8 \pm 0.2\text{V}$ (TR-2, 1kHz)

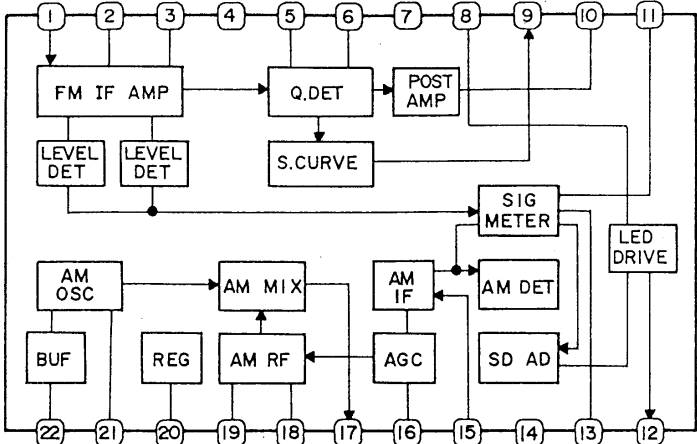
Frequency response : 0dB + 1.5dB-2dB (100Hz, 10kHz)
(TR-4, 5)

IC BLOCK DIAGRAM

IC, HD14051BP



IC, LA1265

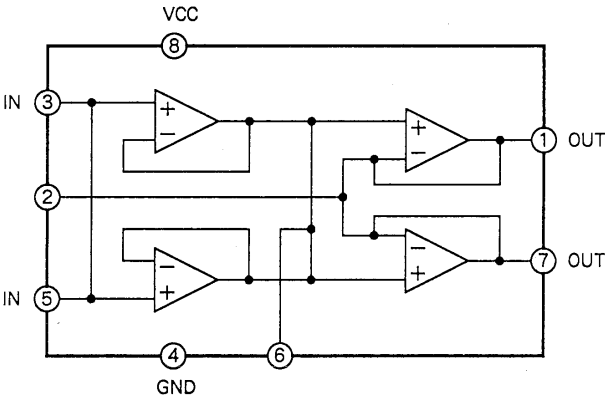


IC, HD14051BP TRUTH TABLE

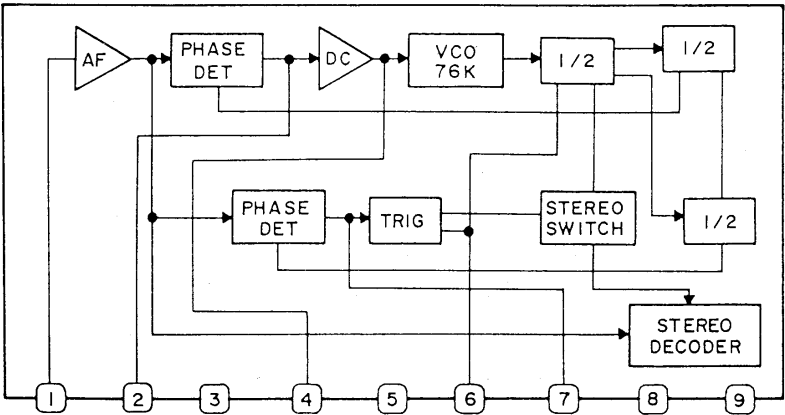
CONTROL INPUT				ON
INHIBIT	C	B	A	SWITCH
0	0	0	0	X0
0	0	0	1	X1
0	0	1	0	X2
0	0	1	1	X3
0	1	0	0	X4
0	1	0	1	X5
0	1	1	0	X6
0	1	1	1	X7
1	X	X	X	-

※ X: DON'T CARE

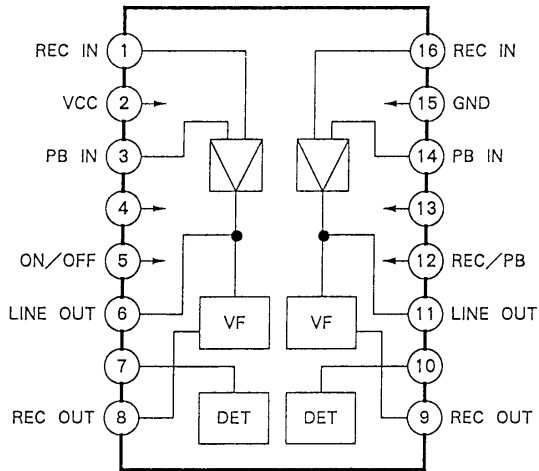
IC, M5280



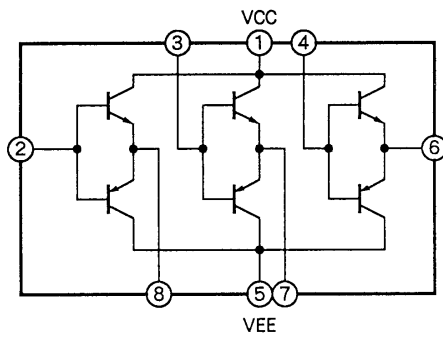
IC, TA7343AP



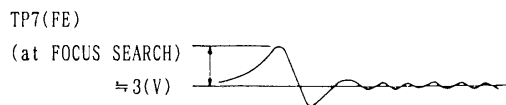
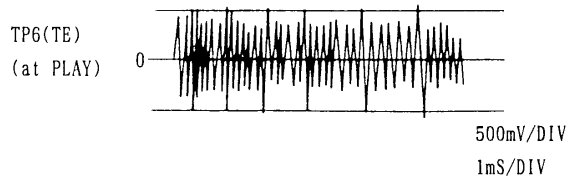
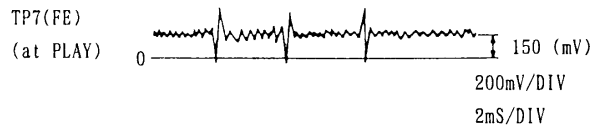
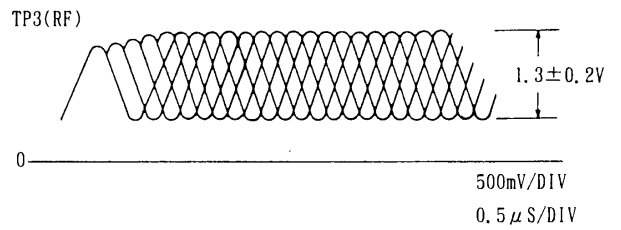
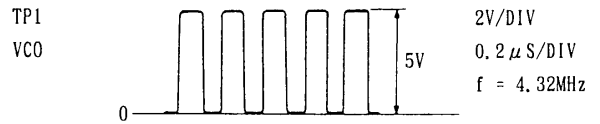
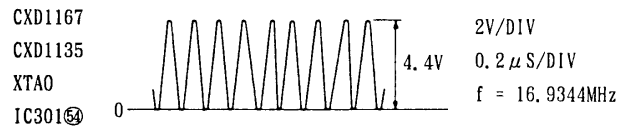
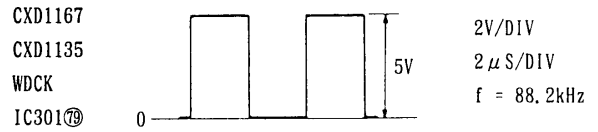
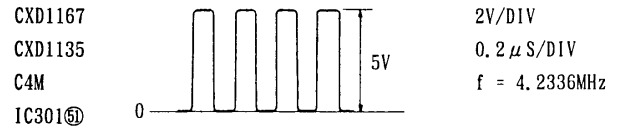
IC, CXA1102



IC, STA341M



WAVE FORM



IC DESCRIPTION

IC, LC6538D-MX1

Pin No.	Pin Name	I/O	Description					
1	K	O	LED display segment output. Active "H".					
2	O-VR UP	O	Motor volume up and down output.					
3	O-VR DOWN	O						
4	O-BBE	O	BBE on/off output. "H" output turns BBE on.					
5 14	T9 T0	O	FL display digit outputs. Active "H". Key scan outputs.					
15	VDD	—	Power supply.					
16	OSC1	—	Pins to generate a 3.9MHz clock signal.					
17	OSC2	—						
18	TEST	—	Connected to GND.					
19	Vss	—	GND.					
20	RST	I	Reset input which goes "L" when AC Power is supplied.					
21	X1	—	Crystal oscillator pin. Not used. Connected to VDD.					
22	X2	—	Crystal oscillator pin. Not used.					
23	I-AC OFF	I	Power failure detection input. "H" input switches off all the output ports and then sets the unit to the HOLD mode (clock stopped and memory maintained.) Goes "H" when the over-current detector in the Power amplifier operates.					
24	T-BASE	I	Clock pulse input for clock counting. 8Hz is input from the tuner PLL IC (LC7218).					
25	I-RMC	I	Remote control signal input.					
26	O-MUTE	O	Muting output.					
27	I/O-SERIAL	I/O	I/O port to synchronize the CD player. Works as DECK-CD SYNC I/O and AMP auto-function input.					
28	O-POWER	O	Power on/off output. Goes "L" when the power is turned on.					
29	O-DSL	O	DSL on/off output. Goes "L" when DSL is on. (Not used)					
30	O-CE PLL	O	Chip enable output for the PLL IC (LC7218) in the tuner section.					
31	I-STEREO	I	Goes "L" when the tuner receives a stereo signal.					
32	I-TUNE	I	Tuning detection input from the tuner. Goes "L" when the tuner is tuned to a signal. Receives auto scan and auto stop signals, and drives the tuning display.					
33 38	I-K0 I-K5	I	Key return inputs.					
39	O-FUNC. A	O	Amp input swiching (function) control outputs.	NO.	C	B	A	FUNCTION
40	O-FUNC. B	O		1	L	L	H	TAPE
				2	L	H	L	TUNER
41	O-FUNC. C	O		3	L	H	H	PHONO(Not used)
				4	H	L	L	AUX
				5	H	L	H	CD
			6	H	H	H	MUTE	
42	O-SI. DATA	O	Outputs data to the PLL IC (LC7218) in the tuner.					
43	O-SI. CLK	O	Outputs a clock signal to the PLL IC (LC7218) in the tuner.					
44	O-I. PB	O	Play back input signal select output. Goes "H" when a tape playing in DECK 1. Goes "H" in the record mode and when the power is turned on.					
45	O-BIAS 2	O	Bias oscillation on/off output. Goes "L" in the record and dubbing modes.					

Pin No.	Pin Name	I/O	Description
46	O-RMT 2	O	Record muting output. Goes "H" when muting signals.
47	O-REC 2	O	Dolby NR recording/playback switching output. Goes "L" in the record mode. As this pin goes "H" during dubbing, the Dolby NR circuit is set to the playback mode.
48	O-HSP	O	Output "H" in the high-speed dubbing mode and "L" in other modes. When power is turned on, this pin outputs "L" for initialization.
49	O-MOTOR	O	DECK 1/2 motor drive output. "L" output drives the motor. Outputs "L" for one second when the power is turned on. Outputs "H" when DECK 1/2 are in the stop mode.
50	O-SOL PL1	O	DECK 1 PLAY solenoid output. Active "L".
51	O-SOL FR1	O	DECK 1 FR solenoid output. Active "L".
52	O-SOL PL2	O	DECK 2 PLAY solenoid output. Active "L".
53	O-SOL FR2	O	DECK 2 FR solenoid output. Active "L".
54 5 61	a h	O	FL display segment outputs. Active "H".
62	Vp	—	Negative power supply pin for the FL drive.
63	i	O	LED display segment outputs. Active "H".
64	j	O	

IC, LC7218

Pin No.	Pin Name	I/O	Description
1 24	X-IN X-OUT	—	A crystal oscillator (7.2MHz) is connected between these pins.
2 3 4	CE DATA CLK	I	When a key is operated, a signal is transmitted from the CPU (microprocessor). Active "H".
5 5 8	— — —	—	Open.
9	T. BASE	O	Outputs a reference clock signal (8Hz) for the clock.
10 12	— —	—	Open.
13	MW-L	O	Outputs "H" when an MW broadcast is received.
14	FM VCO CONT	O	Outputs "H" when FM stereo switching is set to AUTO.
15 16	— —	—	Open.
17	AM-H	O	Outputs "H" when an AM broadcast is received.
18	AM IN	I	Receives the AM local oscillator frequency signal.
19	FM IN	I	Receives the FM local oscillator frequency signal.
20	VDD	—	5V power supply pin.
21	E. O.	O	PLL charge pump output.
22	—	—	Open.
23	GND	—	GND.
11	BEAT	O	Beat select signal output.

IC, CXD1167Q

※() Pin name IC, CXD1135Q

Pin No.	Pin Name	I/O	Description
1	FSW	O	Output to switch the time constant of the spindle motor output filter.
2	MON	O	Spindle motor on/off control output.
3	MDP	O	Spindle motor drive output. Coarse control in the CLV.S mode and phase control in the CLV.P mode.
4	MDS	O	Spindle motor drive output. Speed control in the CLV.S mode.
5	EFM	I	Inputs an EFM signal from the RF amplifier.
6	ASY	O	Output to control the slice level of the EFM signal.
7	LOCK	O	The GFS signal is sampled by the WFCK/16. When the GFS signal is "H", this pin outputs "H", and when the signal is "L" 8 times continuously, it outputs "L".
8	VCOO (VCDD)	O	VCO output. When this is locked to the EFM signal, $f = 8.6436\text{MHz}$
9	VCOI (VCOY)	I	VCO input.
10	TEST	—	Connected to GND. (0V)
11	PDO	O	Phase comparison output between the EFM signal and VCO/2.
12	VSS	—	GND (0V)
13	CLK	I	Inputs a clock signal for the serial data transfer from CPU. Latches data at the rise of the clock signal.
14	XLT	I	Latch input from CPU. Latches 8-bit shift register data (serial data from CPU) to each register.
15	DATA	I	Inputs serial data from CPU.
16	XRST	I	System reset input. The system is reset at "L" input.
17	CNIN	I	Tracking pulse input.
18	SENSE	O	Outputs the internal state according to the address.
19	MUTG	I	Muting input. When the ATTM in the internal register is "L", the system is in the normal state if the MUTG is "L" and the sound is muted if the MUTG is "H".
20	CRCF	O	Outputs the CRC checking result of sub-code Q. (Not used)
21	EXCK	I	Clock input for the sub-code serial output. (Connected to GND)
22	SBSO	O	Sub-code serial output. (Not used)
23	SUBQ	O	Sub-code Q output.
24	SCOR	O	Sub-code sync S0 + S1 output.
25	SQCK	I/O	Clock signal for reading of sub-code Q.
26	SQEX	I	SQCK select input. (Not used)
27	DOTX (WFCK)	O	Digital audio interface output ($\overline{\text{WFCK}}$ is output when being off).
28	GFS	O	Display output of the frame sync locking state. Goes "H" when locked.
29 32	(DB05~DB08)	—	RAM

Pin No.	Pin Name	I/O	Description
33	VDD	—	Power supply (+5V)
34 50	(DB01~DB04)(RAWE) (RA01~RA11)(RACS)	—	RAM
51	C4M	O	1/2 division output of the crystal oscillator. f = 4.2336MHz(Not used)
52	VSS	—	GND (0V)
53	XTAL	I	Crystal oscillator input. f = 8.4672MHz
54	XTAO	O	Crystal oscillator output. f = 8.4672MHz
55	MD1	I	Mode select input 1 used at "H" } { Used in the mode with the clock frequency 8.4672MHz, the digital output OFF. the digital filter ON. (Connected to GND.)
56	MD2	I	
57	MD3	I	
58	SLOB	I	Input to switch the code of the audio data output. "L" causes the 2 second complement output and "H" causes the offset binary output. (Connected to GND.)
59	PSSL	I	Input to switch the mode of the audio data output. "L" causes serial output and "H" causes parallel output. (Connected to GND.)
60	APTR	O	Aperture correction control output. 44.1kHz with the filter OFF. (Not used)
61	APTL	O	Aperture correction control output. 44.1kHz with the filter OFF. (Not used)
62	DA01 (C1F1)	O	DA01(LSB of parallel audio data) output with PSSL = "H". C1F1 output with PSSL = "L". (Not used)
63	DA02 (C1F2)	O	DA02 output with PSSL = "H". C1F2 output with PSSL = "L". (Not used)
64	DA03 (C2F1)	O	DA03 output with PSSL = "H". C2F1 output with PSSL = "L". (Not used)
65	DA04 (C2F2)	O	DA04 output with PSSL = "H". C2F2 output with PSSL = "L". (Not used)
66	DA05 (C2FL)	O	DA05 output with PSSL = "H". C2FL output with PSSL = "L". (Not used)
67	DA06 (C2P0)	O	DA06 output with PSSL = "H". C2P0 output with PSSL = "L". (Not used)
68	DA07 (RFCK)	O	DA07 output with PSSL = "H". RFCK output with PSSL = "L". (Not used)
69	DA08 (WFCK)	O	DA08 output with PSSL = "H". WFCK output with PSSL = "L". (Not used)
70	DA09 (PLCK)	O	DA09 output with PSSL = "H". PLCK output with PSSL = "L". (Note 1)
71	DA10 (VGFS)	O	DA10 output with PSSL = "H". VGFS output with PSSL = "L". (Not used)
72	DA11 (GTOP)	O	DA11 output with PSSL = "H". GTOP output with PSSL = "L". (Not used)
73	VDD	—	Power supply (+5V)
74	DA12 (RA0V)	O	DA12 output with PSSL = "H". RA0V output with PSSL = "L". (Not used)
75	DA13 (C4LR)	O	DA13 output with PSSL = "H". C4LR output with PSSL = "L". (Not used)
76	DA14 (C210)	O	DA14 output with PSSL = "H". C210 output with PSSL = "L".
77	DA15 (C210)	O	DA15 output with PSSL = "H". C210 output with PSSL = "L". (Note 2) (Not used)
78	DA16 (DATA)	O	DA16(MSB of parallel audio data) output with PSSL = "H". DATA output with PSSL = "L". (Note 3)
79	WDCK	O	Strobe signal output. 88.2kHz with the filter OFF.
80	LRCK	O	Strobe signal output. 44.1kHz with the filter OFF.

Note 1) PLCK: VCO/2 output. When locked to the BFM signal, f = 4.3218MHz

Note 2) C210: Bit clock signal. f = 2.1168MHz

Note 3) DATA: Audio signal serial data output

IC, CXP5058H-551Q

Pin No.	Pin Name	I/O	Description
1	H-SPD	O	Outputs "L" when high speed. (Not used)
2	A-MUTE	O	Analog mute output: "H" during mute.
3	EMP	O	Emphasis on/off select output. "H" when emphasis is on. (Not used)
4	H-EMP	O	Outputs "H" when high speed is emphasis on. (Not used)
5 } 15	a~g p x~z	O	Flourescent indicator lamp segment data output.
16 } 19	—	—	Not used.
20 } 28	G1 } G9	O	Flourescent indicator lamp grid scan output.
29	SCOR	I	Sub-code data input.
30	XTAL	—	Connected to ceramic vibrator. (4.19MHz)
31	EXTAL	I	
32	RST	I	Reset signal input.
33	NC	—	Not used.
34	VDD	—	Power supply (+6V)
35 } 39	KEY1 } KEY5	I	Key matrix data input.
40	A-MUTE	O	Analog mute output. "L" during mute.
41	EMP	O	Emphasis on/off select output. "L" when emphasis is on.
42	SYNC	I/O	External equipment sync signal input and output. (8-bit serial)
43	NC	—	Not used.
44	SQCK	I	Sub-code Q read clock input.
45	GFS	I	Frame sync locking state input.
46	SUBQ	I	Sub-code Q serial data input.
47	LODN	O	Laser diode control output. "L" causes the laser diode to emit light.
48	FOK	I	Focus condition. "H" when focus in good condition is input.
49	MUT	O	DSP muting output.
50	SENS	I	Connected to DSP SENS terminal.
51	XRST	O	System reset output.
52	DATA	O	DSP serial data output.
53	XL T	O	DATA latch output.
54	CLK	O	DATA transfer clock.
55, 56	—	—	Not used.

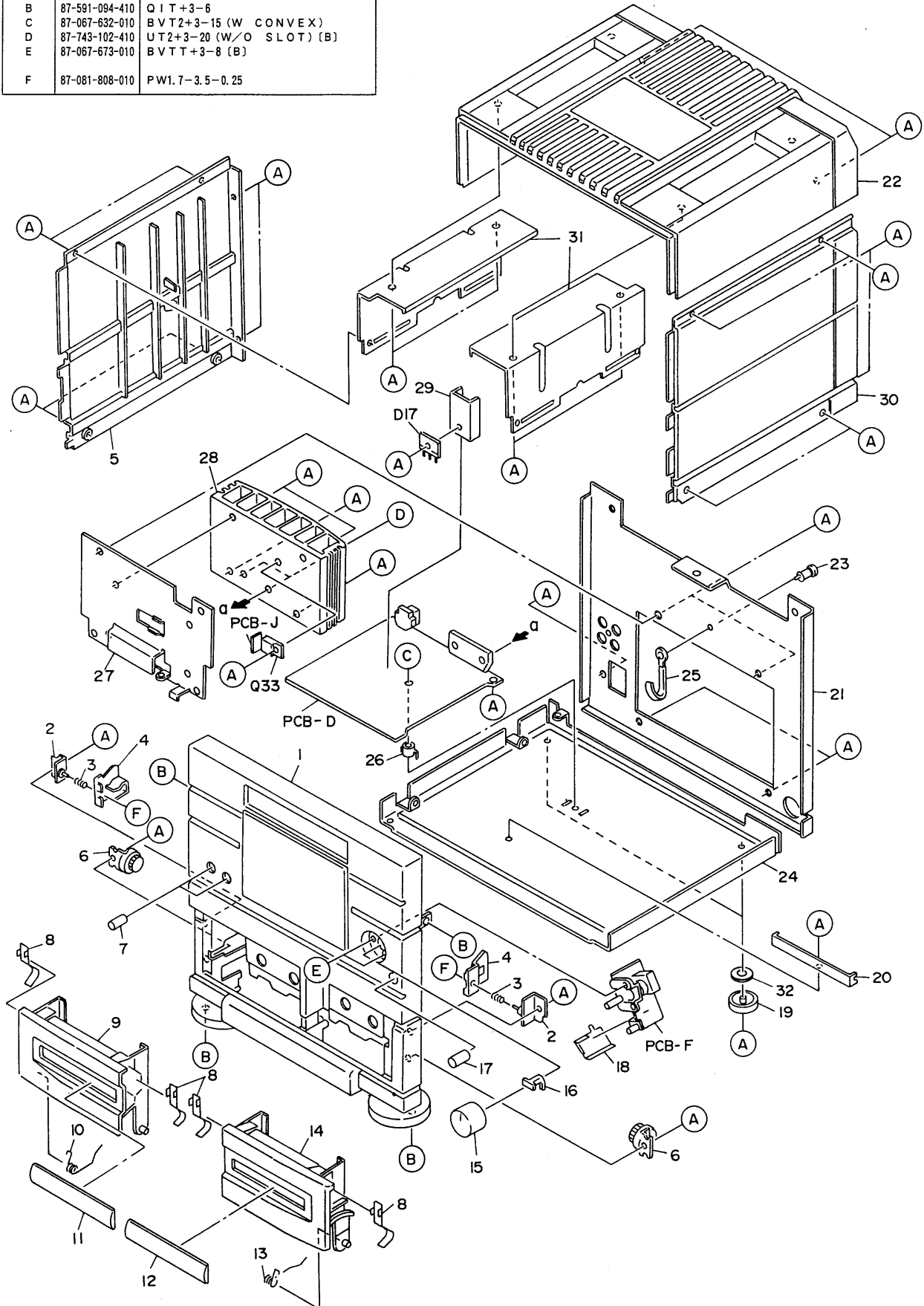
Pin No.	Pin Name	I/O	Description																											
5 7	OPEN	O	Output to open tray. Opens tray when "H".																											
5 8	CLOSE	O	Output to close tray. Closes tray when "H".																											
5 9	————	—	Not used.																											
6 0	P-OFF	O	System on/off select output. "H" when system is off.																											
6 1	P-CONT	I	External system on/off signal input.																											
6 2	RMC	I	42-bit remote control data serial input.																											
6 3	————	I	Connected to RMC.																											
6 4	————	I																												
6 5	F-A	I	Function select signal input.			<table><tr><th></th><th>TAPE</th><th>TUNER</th><th>PHONO, (Not used)</th><th>AUX</th><th>CD</th></tr><tr><th>A</th><td>H</td><td>L</td><td>H</td><td>L</td><td>H</td></tr><tr><th>B</th><td>L</td><td>H</td><td>H</td><td>L</td><td>L</td></tr><tr><th>C</th><td>L</td><td>L</td><td>L</td><td>H</td><td>H</td></tr></table>		TAPE	TUNER	PHONO, (Not used)	AUX	CD	A	H	L	H	L	H	B	L	H	H	L	L	C	L	L	L	H	H
	TAPE	TUNER					PHONO, (Not used)	AUX	CD																					
A	H	L					H	L	H																					
B	L	H					H	L	L																					
C	L	L	L	H	H																									
6 6	F-B	I																												
6 7	F-C	I																												
6 8	K-RANDOM	I	Random mode on/off switching input. Stop and open is play.																											
6 9	<u>SW-OPEN</u>	I	Tray open detection switch input. "L" when tray is open.																											
7 0	<u>SW-CLOSE</u>	I	Tray close detection switch input. "L" when tray is closed.																											
7 1	GND	—	GND.																											
7 2, 7 3	NC	—	Not used.																											
7 4	VREF	—	Connected to GND.																											
7 5	————	—	Connected to VDD.																											
7 6	VFDP	—	Flourecent indicator lamp output power supply.																											
7 7	<u>P-OFF</u>	O	Outputs "L" when power is off.																											
7 8	8/12	O	Outputs "H" when music time is Less than twenty-three minutes.																											
7 9, 8 0	————	—	Not used.																											

See the XC-002 for the IC description below.

	CX-800	XC-002
①	IC, CXA1082BQ	IC, CXA1082M
②	IC, CXA1081S	IC, CXA1081M

EXPLODED VIEW - 1

REF. NO.	PART NO.	DESCRIPTION
A	87-067-660-010	BVT2+3-8 (W/O SLOT) (B)
B	87-591-094-410	QIT+3-6
C	87-067-632-010	BVT2+3-15 (W CONVEX)
D	87-743-102-410	UT2+3-20 (W/O SLOT) (B)
E	87-067-673-010	BVTT+3-8 (B)
F	87-081-808-010	PW1.7-3.5-0.25

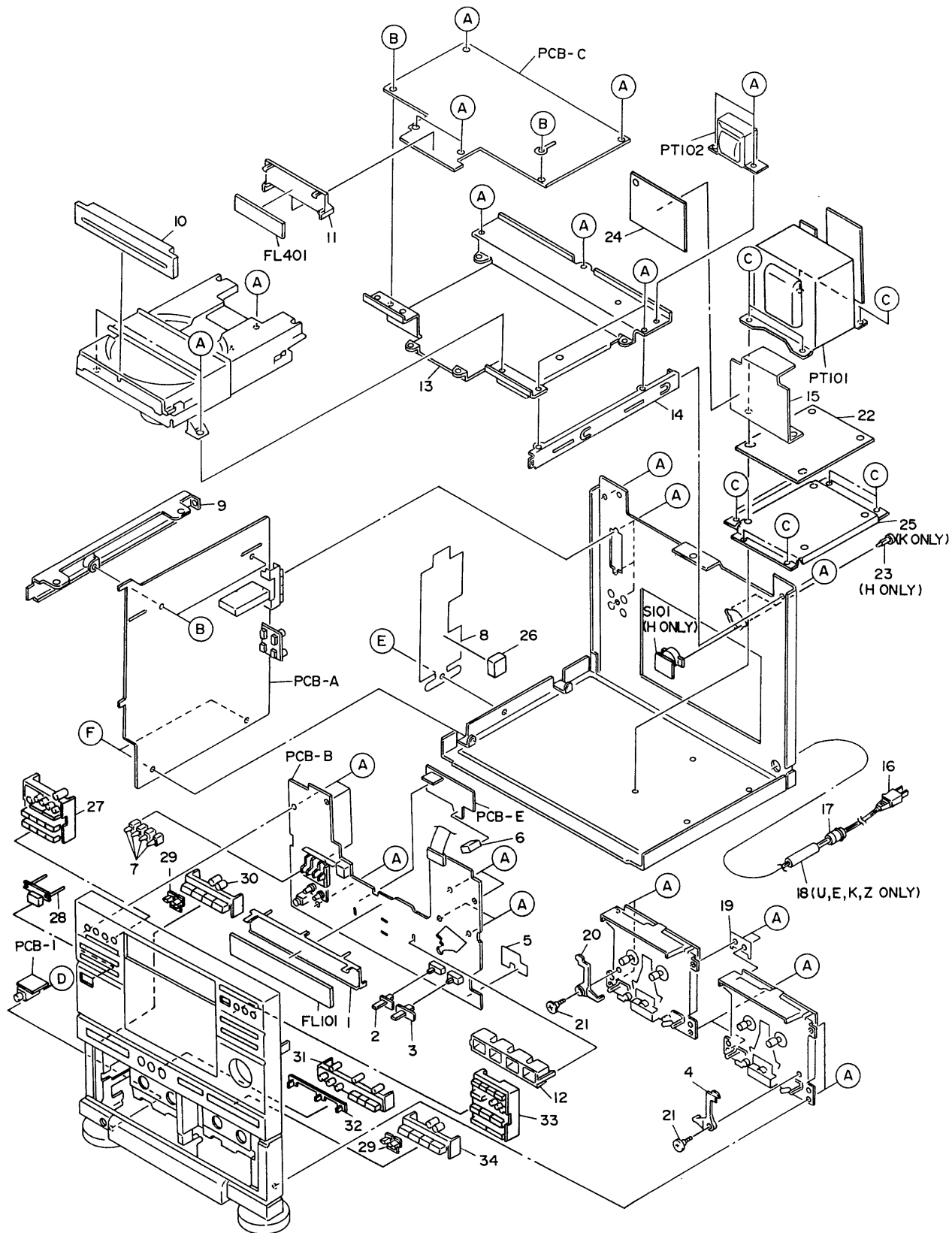


MECHANICAL PARTS LIST

PART NO. CHANGED TO	REF. NO	PART NO.	DESCRIPTION	COMMON MODEL	Q' TY
	1-1	★09-047-571-010	FRONT CABINET ASSY (H)	※	1
	1-1	★09-047-592-010	FRONT CABINET ASSY (U)	※	1
	1-1	★09-047-572-010	CABINET, FRONT ASSY (E, K, Z)	※	1
	1-2	★81-693-209-010	HOLDER LOCK ASSY		2
	1-3	★81-715-234-010	C-SPRING, LOCK PLATE		2
	1-4	★81-715-214-210	PLATE, LOCK		2
	1-5	★89-MX1-067-010	CABINET, SIDE L (H, E, K, Z)	※	1
	1-5	★89-MX1-069-010	CABINET, SIDE L (U)	※	1
	1-6	★87-063-144-010	OIL DAMPER 37		2
	1-7	★89-MX1-026-010	KNOB, BBE	※	2
	1-8	★82-202-217-110	P-SPRING, CASSETTE HOLDER		4
	1-9	89-MX1-071-010	BOX, CASSETTE	※	1
	1-10	★81-693-205-010	T-SPRING, 1 (H, E, K, Z)		1
	1-10	★81-693-212-019	T-SPRING, 1 EX (U)		1
	1-11	★89-MX1-035-010	WINDOW, BOX L	※	1
	1-12	★89-MX1-046-010	WINDOW, BOX R	※	1
	1-13	★81-693-206-010	T-SPRING, 2 (H, E, K, Z)		1
	1-13	★81-693-213-019	T-SPRING, 2 EX (U)		1
	1-14	89-MX1-072-010	BOX, CASSETTE	※	1
	1-15	★89-MX1-025-010	KNOB, VOLUME	※	1
	1-16	★89-MX1-028-010	INDICATOR, POWER	※	1
	1-17	★89-MX1-047-010	KNOB, BALANCE	※	1
	1-18	★89-MX1-684-010	SHIELD CASE, VOLUME	※	1
	1-19	★89-MX1-074-010	FOOT, REAR 2	※	2
	1-20	★89-MX1-204-010	HOLDER, P. C. B	※	1
	1-21	★89-MX1-055-010	PANEL, REAR (H)	※	1
	1-21	★89-MX1-086-010	PANEL, REAR (HJ)	※	1
	1-21	★89-MX1-056-010	PANEL, REAR (U)	※	1
	1-21	★89-MX1-058-010	PANEL, REAR (E)	※	1
	1-21	★89-MX1-059-010	PANEL, REAR (K)	※	1
	1-21	★89-MX1-061-010	PANEL, REAR (Z)	※	1
	1-22	★89-MX1-065-110	CABINET, TOP (H, E, K, Z)	※	1
	1-22	★89-MX1-066-010	CABINET, TOP (U)	※	1
	1-23	★87-084-077-010	RIVET, NYLON 3.5 - 4.5		1
	1-24	---	CHASSIS, MAIN		1
	1-25	---	WIRE BINDER		1
	1-26	★89-MX1-217-010	HOLDER, P. C. B 9.9	※	1
	1-27	★89-MX1-207-010	HOLDER, HS (H, U, E, Z)	※	1
	1-27	★89-MX1-231-010	HOLDER, HS (K)	※	1
	1-28	---	HEAT SINK		1
	1-29	---	HEAT SINK B		1
	1-30	★89-MX1-068-010	CABINET, SIDE R (H, E, K, Z)	※	1
	1-30	★89-MX1-070-010	CABINET, SIDE R (U)	※	1
	1-31	★89-MX1-233-010	HOLDER, HANDLE EX	※	2
	1-32	★89-MX1-236-010	SHEET, FOOT REAR	※	2

EXPLODED VIEW - 2

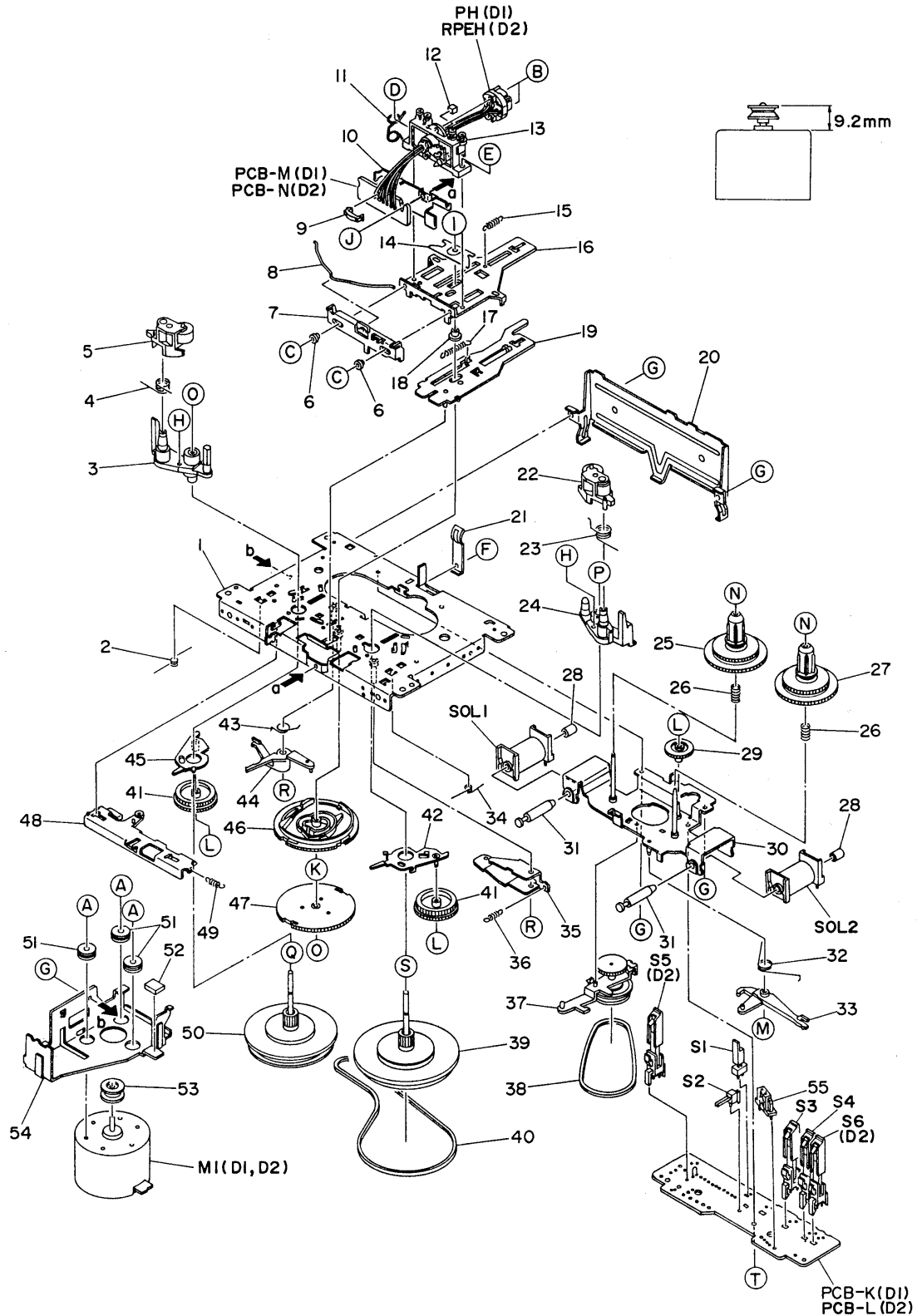
REF. NO.	PART NO.	DESCRIPTION
A	87-067-660-010	BVT2+3-8 (W/O SLOT) [B]
B	87-067-633-010	BVT2+3-8 (W CONVEX)
C	87-067-586-010	BVT+4-8
D	87-561-095-210	VFT1+3-8 (10 ϕ)
E	87-571-071-410	VIT+2.6-4
F	87-571-092-410	VIT ₂ +8-4 (GL)



PART NO. CHANGED TO	REF. NO	PART NO.	DESCRIPTION	COMMON MODEL	Q' TY
	2-1	★89-MX1-209-01K	GUIDE, FL	※	1
	2-2	★89-MX1-037-010	KNOB, SLIDE DOLBY	※	1
	2-3	★89-MX1-027-010	KNOB, SLIDE MODE	※	1
	2-4	★81-653-214-110	LEVER, EJECT 2		1
	2-5	---	SHIELD PLATE, FRONT		1
	2-6	★89-MX1-214-010	G CUSHION, SQ 5 - 1 2 - 1 4 . 8	※	1
	2-7	★89-MX1-045-110	KNOB, GE	※	4
	2-8	★89-MX1-683-010	SHIELD, P. C. B	※	1
	2-9	★89-MX1-211-010	HOLDER, CD 2	※	1
	2-10	★89-MX1-031-010	JOINT, CD	※	1
	2-11	★89-VX5-202-010	GUIDE, FL		1
	2-12	★89-MX1-208-010	GUIDE, LED	※	1
	2-13	★89-MX1-202-21K	CHASSIS, CD	※	1
	2-14	★89-MX1-203-010	HOLDER, CD	※	1
	2-15	---	SHIELD, PT 1		1
	2-16	★82-187-797-019	AC CORD (H, E, Z)		1
	2-16	★87-034-584-019	AC CORD (U)		1
	2-16	★82-187-796-019	AC CORD (K)		1
	2-17	★87-085-185-010	BUSHING, AC CORD (H, E, K, Z)		1
	2-17	★87-085-189-010	BUSHING, AC CORD (U)		1
	2-18	---	TUBE, UL 7 - 1 0 0 (U, E, K, Z)		1
	2-19	★89-MX1-212-010	PLATE, MECHANISM	※	1
	2-20	★81-653-212-010	LEVER, EJECT 1		1
	2-21	★81-653-213-010	SCREW, SPECIAL		2
	2-22	---	SHIELD, PT 2		1
	2-23	---	RIVET, NYLON 3 - 3 . 5 (H)		2
	2-24	---	SHIELD, PT 3		1
	2-25	★89-MX1-224-019	BASE, PT (K)	※	1
	2-26	★89-MX1-215-019	CUSHION, S SQ 1 0 - 1 0 - 8	※	1
	2-27	★89-MX1-012-110	KEY, TUNING	※	1
	2-28	★89-MX1-049-010	KEY, POWER	※	1
	2-29	★89-MX1-030-010	IND, DIRECTION	※	2
	2-30	★89-MX1-022-010	KEY, DECK 1	※	1
	2-31	★89-MX1-024-010	KEY, REC	※	1
	2-32	★89-MX1-029-010	IND, FUNCTION	※	1
	2-33	★89-MX1-015-010	KEY, CD	※	1
	2-34	★89-MX1-023-010	KEY, DECK 2	※	1

EXPLODED VIEW - 3 (DECK 1/2)

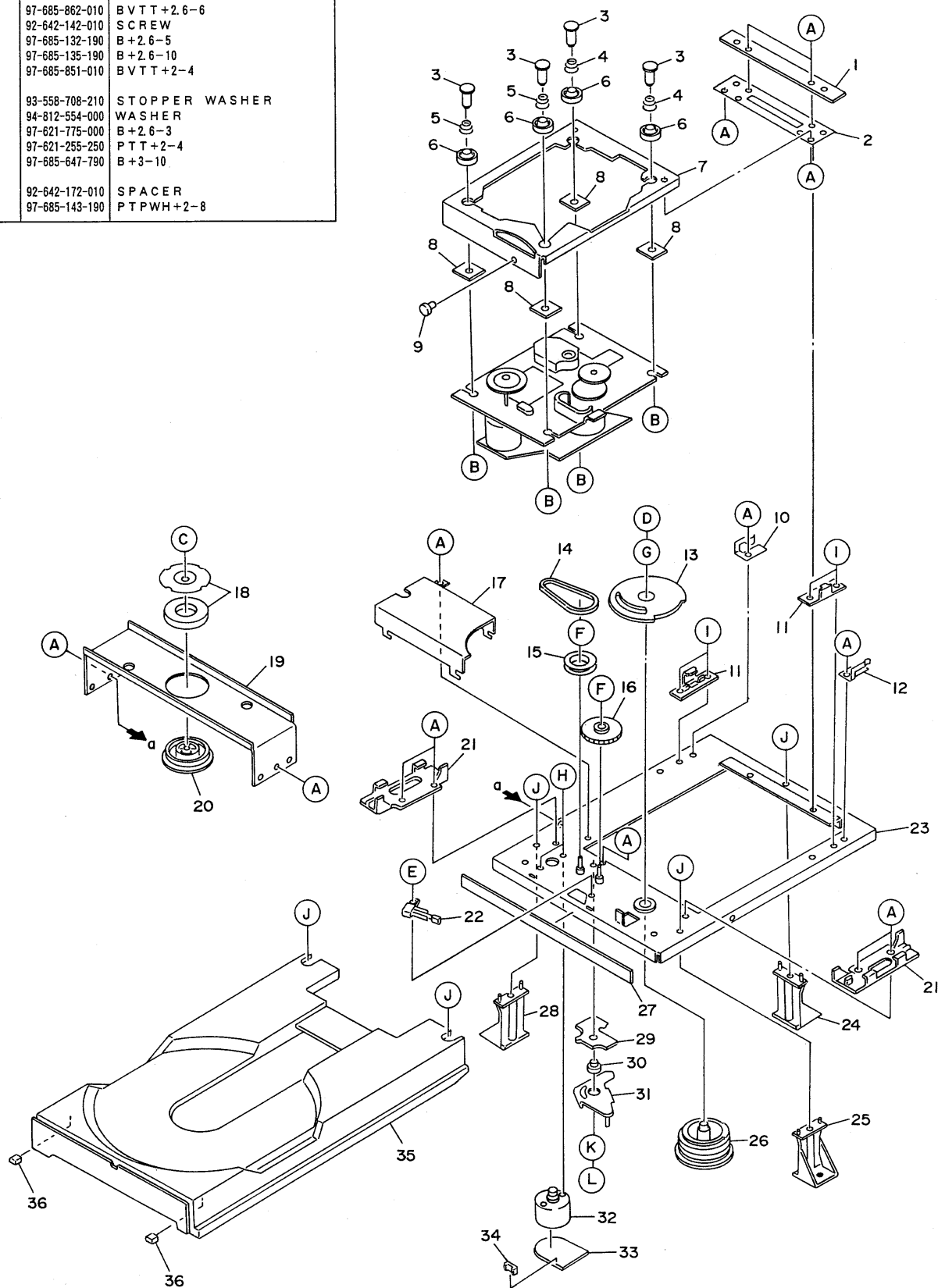
REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
A	S1-851-140-180	SCREW	H	S9-182-000-000	SCREW M2-6(C TAPPING)	O	S9-999-700-060	HL WASHER 1.55-3.5-0.5
B	S9-999-180-170	SCREW	I	S9-999-180-160	SCREW M2-5(S TAPPING)	P	S9-999-700-070	HL WASHER 1.8-4-0.5
C	S9-547-000-000	SCREW M1.7-3	J	S9-999-200-340	SCREW M2-8(S TAPPING TAMS)	Q	S9-999-600-020	HL WASHER 2.1-3.5-0.3
D	S9-117-000-000	SCREW BIND M2-5	K	S9-502-000-000	E-RING ϕ 2.0	R	S9-999-700-040	HL WASHER 2.1-5-0.4
E	S9-078-000-000	SCREW TAMS M2-5	L	S9-421-000-000	PW 1.2-3-0.25	S	S9-999-600-030	HL WASHER 2.3-3.8-0.3
F	S9-178-000-000	SPECIAL SCREW M2-3(C TAPPING)	M	S9-876-000-000	PW 2.1-5-0.5	T	S9-999-200-200	SCREW M2-5(S TAPPING TAMS)
G	S9-180-000-000	SCREW M2-3(C TAPPING)	N	S9-999-700-030	HL WASHER 1.4-3.2-0.4			



PART NO. CHANGED TO	REF. NO	PART NO.	DESCRIPTION	COMMON MODEL	Q' TY
	3-1	---	CHASSIS ASSY		1
	3-2	★S1-880-050-190	T-SPRING, GEAR ARM R		1
	3-3	★S1-880-090-210	FL METAL ASSY R		1
	3-4	★S1-880-040-040	P-SPRING, ARM R		1
	3-5	S1-880-043-020	PINCH ROLLER ARM ASSY R		1
	3-6	★S1-865-020-280	COLLAR, TIP LEVER		2
	3-7	★S1-880-020-060	LEVER, TIP		1
	3-8	★S1-880-040-050	SPRING, PINCH ROLLER		1
	3-9	---	WIRE, CLAMP		1
	3-10	★S1-880-020-180	PLATE, SHIELD		1
	3-11	★S1-865-020-600	SPRING, CLAMP		1
	3-12	★S1-865-090-610	SPEACER		1
	3-13	★S1-865-023-060	HEAD BASE ASSY		1
	3-14	★S1-880-020-160	SPRING, PANEL PLATE		1
	3-15	★S1-880-020-040	SPRING, RC		1
	3-16	★S1-880-020-010	PANEL, HEAD A		1
	3-17	★S1-880-020-050	SPRING, PANEL		1
	3-18	★S1-880-020-190	COLLAR, PANEL A		1
	3-19	★S1-880-025-010	HEAD PANEL B ASSY		1
	3-20	★S1-880-530-020	PROTECTOR, SWITCH		1
	3-21	★S1-829-100-010	SPRING, PACK		1
	3-22	S1-880-043-010	PINCH ROLLER ARM ASSY F		1
	3-23	★S1-880-040-030	P-SPRING, ARM F		1
	3-24	★S1-880-090-080	FL METAL ASSY F		1
	3-25	S1-880-053-020	T REEL ASSY R		1
	3-26	★S1-880-050-220	SPRING, BT R		2
	3-27	S1-880-053-010	T REEL ASSY F		1
	3-28	★S1-880-210-060	HOLDER, PLUNGER		2
	3-29	★S1-880-050-080	GEAR, FF		1
	3-30	★S1-880-055-010	REEL BASE ASSY		1
	3-31	★S1-880-210-050	PLUNGER		2
	3-32	★S1-880-050-170	SPRING, FR TRIGGER ARM		1
	3-33	★S1-880-050-150	ARM, RF TRIGGER		1
	3-34	★S1-880-050-180	SPRING, T GEAR ARM		1
	3-35	★S1-880-215-030	P KICK LEVER ASSY		1
	3-36	★S1-880-210-110	P-SPRING, LEVER K		1
	3-37	★S1-880-073-010	RF CLUTCH ASSY		1
	3-38	S1-880-070-070	BELT, RF		1
	3-39	S1-880-093-010	FLYWHEEL F ASSY		1
	3-40	S1-880-090-100	BELT, MAIN		1
	3-41	★S1-880-050-350	GEAR, T		2
	3-42	★S1-880-055-020	T GEAR ARM ASSY F		1
	3-43	★S1-880-010-060	SPRING, M TRIGGER ARM		1
	3-44	★S1-880-210-030	ARM, M TRIGGER		1
	3-45	★S1-880-055-030	T GEAR ARM ASSY R		1
	3-46	★S1-880-210-150	GEAR, M		1
	3-47	★S1-880-210-160	GEAR, RF CAM		1
	3-48	★S1-880-215-010	CH SLIDE LEVER ASSY		1
	3-49	★S1-880-210-080	SPRING, CH SLIDE LEVER		1
	3-50	S1-880-093-020	FLYWHEEL ASSY R		1
	3-51	★S1-821-120-660	LEVER, MOTOR		3
	3-52	★S1-880-090-200	MAT		1
	3-53	★S1-880-090-320	PULLEY, MOTOR		1
	3-54	★S1-880-090-110	BRACKET, MOTOR		1
	3-55	S1-880-530-030	PROTECTOR, IC		1

EXPLODED VIEW - 4

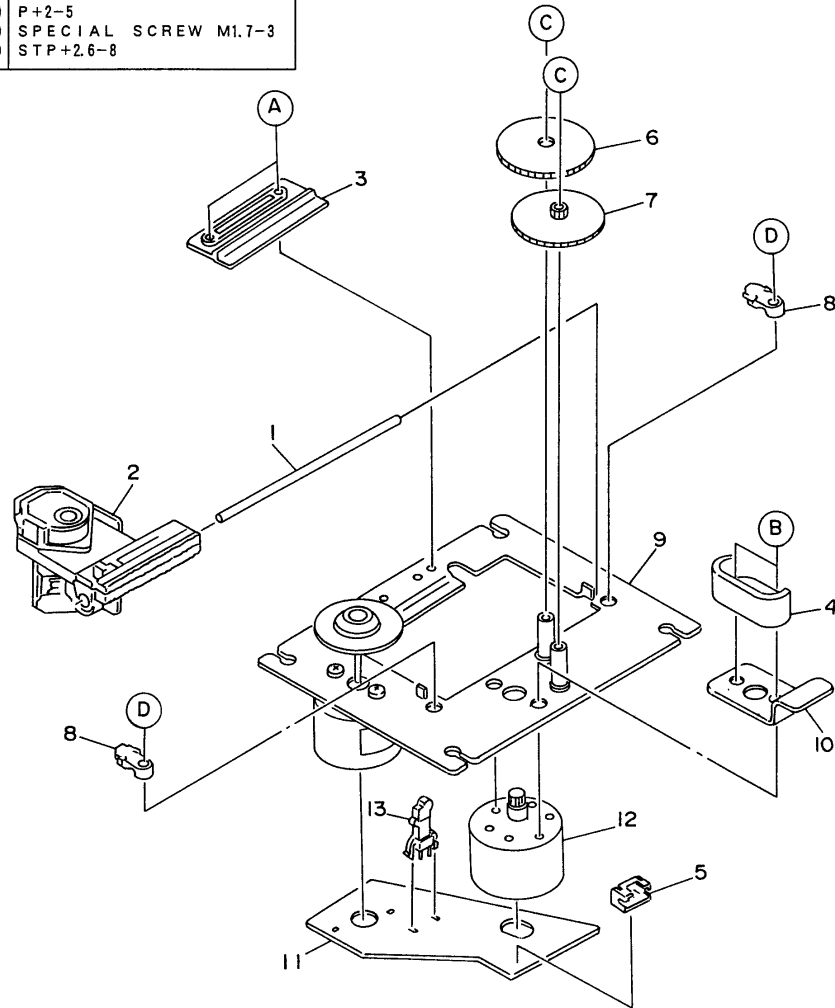
REF. NO.	PART NO.	DESCRIPTION
A	97-685-862-010	BVTT+2.6-6
B	92-642-142-010	SCREW
C	97-685-132-190	B+2.6-5
D	97-685-135-190	B+2.6-10
E	97-685-851-010	BVTT+2-4
F	93-558-708-210	STOPPER WASHER
G	94-812-554-000	WASHER
H	97-621-775-000	B+2.6-3
I	97-621-255-250	PTT+2-4
J	97-685-647-790	B+3-10
K	92-642-172-010	SPACER
L	97-685-143-190	PTPDH+2-8



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q' TY
	4-1	★92-642-170-010	HOLDER, HINGE		1
	4-2	★92-642-164-010	SPRING, HINGE		1
	4-3	★92-642-160-010	SHAFT, SPRING T		4
	4-4	★92-642-137-010	SPRING, COIL B		2
	4-5	★92-642-139-010	SPRING, COIL A		2
	4-6	★92-642-158-010	FOOT C		4
	4-7	★9X-264-210-510	SPRING SUB CHASSIS ASSY		1
	4-8	★92-642-159-010	PLATE, SPRING T		4
	4-9	★92-642-169-010	ROLLER		1
	4-10	★92-642-147-010	GUIDE, TRAY L		1
	4-11	★92-642-162-020	HOLDER, TRAY		2
	4-12	★92-642-146-010	GUIDE, TRAY R		1
	4-13	★92-642-154-020	GEAR, SPRING DRIVE		1
	4-14	93-653-387-000	LM BELT		1
	4-15	★94-913-731-010	PULLEY, ROADING		1
	4-16	★92-642-148-010	GEAR, SPRING RELAY		1
	4-17	★92-642-149-010	COVER, SPRING GEAR		1
	4-18	91-452-507-110	MAGNET ASSY		1
	4-19	★92-642-165-010	CHUCK CHASSIS		1
	4-20	★92-642-432-010	CHUCKING PULLEY		1
	4-21	★92-642-161-010	HOLDER, FRONT TRAY		2
	4-22	91-571-312-110	LEAF SWITCH (OPEN/CLOSE)		1
	4-23	★9X-264-210-610	SPRING MAIN CHASSIS ASSY		1
	4-24	★92-642-512-010	MD HOLDER BOSS REAR		1
	4-25	★92-642-510-010	MD HOLDER BOSS		1
	4-26	★92-642-153-010	CAM, SPRING CONTROL		1
	4-27	★92-642-157-030	TAPE, FRONT		1
	4-28	★92-642-511-010	MD HOLDER BOSS L		1
	4-29	★92-642-173-010	PLATE, RING		1
	4-30	★92-642-133-020	BOSS		1
	4-31	★9X-264-210-710	STOPPER RING ASSY		1
	4-32	9X-264-133-610	MOTOR ASSY (LOADING)		1
	4-33	★91-624-793-210	CD MOTOR 2 C.B		1
	4-34	★91-564-721-110	CONNECTOR PIN 5P		1
	4-35	★92-642-156-010	TRAY		1
	4-36	★92-642-125-010	DAMPER		2

EXPLODED VIEW - 5

REF. NO.	PART NO.	DESCRIPTION
A	92-642-144-010	PTT+2-6
B	97-621-255-350	P+2-5
C	93-303-809-310	SPECIAL SCREW M1.7-3
D	92-641-447-010	STP+2.6-8



PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q' TY
	5-1	★94-910-431-010	SHAFT, SLIDE		1
	5-2	98-848-046-510	PICK UP (KSS-150AHRP)		1
	5-3	★92-641-443-010	HOLDER, SLIDE		1
	5-4	★92-641-434-010	COVER, GEAR		1
	5-5	★92-564-720-110	CONNECTOR PIN		1
	5-6	9X-264-076-910	GEAR A		1
	5-7	★92-641-403-050	GEAR B		1
	5-8	★92-641-448-020	CLAMP, SHAFT		2
※	5-9	9X-264-133-710	SP MOTOR ASSY (W/CHASSIS, T.T) (DISC) (RF-310T-11400)		1
※	5-9	9X-264-134-810	SP MOTOR ASSY (W/CHASSIS, T.T) (DISC) (MDN-4RA3NTAS)		1
	5-10	★92-641-371-010	STOPPER		1
※	5-11	★91-625-848-110	CD MOTOR 1 C.B (RF-310T-11400)		1
※	5-11	★91-628-263-110	CD MOTOR 1 C.B (MDN-4RA3NTAS/4RA3ETA)		1
※	5-12	9X-264-077-010	SLED MOTOR GEAR ASSY (SLED) (RF-310T-11400)		1
※	5-12	9X-264-134-410	SLED MOTOR GEAR ASSY (SLED) (MDN-4RA3ETA)		1
	5-13	91-570-822-210	LEAF SWITCH (LIMIT)		1

※Caution

Two types of the spindle (DISC) motor and sled motor are used, but they are not compatible.

Check the part numbers (MDN, RF) on the labels of motors and replace motors with the same one.

■ SPEAKER LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q' TY
	1	★89-MS2-001-010	PANEL, W	※	2
	2	★89-MS2-011-010	PANEL, T ASSY	※	2
	3	★89-MS2-003-010	CABINET	※	2
	4	★89-MS2-004-010	GRILL FRAME ASSY	※	2
	5	★83-149-611-010	TERMINAL		2
	6	★89-MS2-010-010	DUCT	※	2
	7	89-MS2-602-010	SPEAKER, WOOFER	※	2
	8	89-MS2-604-010	SPEAKER, TWEETER	※	2
	9	★89-MS1-610-010	NETWORK ASSY		2
	10	★89-MS1-615-010	SPEAKER CORD		2

■ ACCESSORIES/PACKAGE LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q' TY
	1	★89-MX1-903-019	INSTRUCTION BOOKLET, H (H)	※	1
	2	★89-MX1-906-019	INSTRUCTION BOOKLET, U (U)	※	1
	3	★89-MX1-904-019	INSTRUCTION BOOKLET, E (E, K, Z)	※	1
	4	★81-653-645-010	AM LOOP ANT (6T) NC (H, U, Z)		1
	5	★81-653-647-010	AM LOOP ANT (6T) CON (E, K)		1
	6	★81-748-632-010	FEEDER ANT, FM N (H, U, E, K)		1
	7	★87-042-062-010	SIEMENS PLUG (H)		1
	8	★87-043-106-010	FM, WIRE ANT (Z)		1
	9	★89-MR1-011-019	REMOTE-CON RC-T800FYBN (H, U)	※	1
	10	★89-MR1-012-019	REMOTE-CON RC-T800LYBN (E, K, Z)	※	1