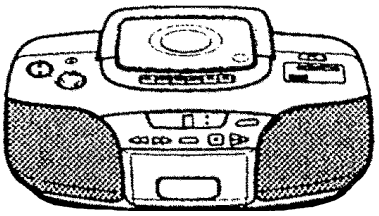
aiwa
SERVICE

CSD-A100 G(S),V(S)



SERVICE MANUAL

COMPACT DISC STEREO
CASSETTE RECEIVER

BASIC TAPE MECHANISM : ZZM-1 YR2NP
BASIC CD MECHANISM : DA11T3C

This Service Manual is the "Revision Publishing" and replaces "Simple Manual"
(S/M Code No. 09-003-342-2T6).

aiwa

S/M Code No. 09-003-342-2R6

REVISION
DATA

SPECIFICATIONS

GSC MODEL

Tuner section
Frequency range, antenna — FM: 87.5 - 108.0 MHz Rod antenna, MW: 530 - 1,605 kHz Ferrite bar antenna, LW: 150 - 285 kHz Ferrite bar antenna

Deck section
Track format — 4 tracks, 2 channels / Frequency range — Normal tape: 50 - 12,500 Hz (EIAJ) / Recording system — AC bias / Erasing system — Magnet erase / Heads — Recording/playback head (1), Erasure head (1)

CD player section
Disc — Compact disc / Scanning method — Non-contact optical scanner (semiconductor laser)

General
Speaker — 100 mm cone type (2) / Output — Headphones jack (stereo mini-jack) / Power output — 2.5 W + 2.5 W (EIAJ 7 ohms, T.H.D. 10% DC), 1.9 W + 1.9 W (DIN 1% Rated Power) / Power requirements — DC 12 V using eight size C (R14) batteries, AC 230 V, 50 Hz / Power consumption — 14 W / Dimensions — 420 (W) × 185 (H) × 250 (D) mm / Weight — 3.45 kg (excluding batteries)

- Design and specifications are subject to change without notice.

VSC MODEL

Tuner section
Frequency range, antenna — FM1: 65.0 - 74.0 MHz Rod antenna, FM2: 87.5 - 108.0 MHz Rod antenna, AM: 530 - 1,605 kHz Ferrite bar antenna

Deck section
Track format — 4 tracks, 2 channels / Frequency range — Normal tape: 50 - 12,500 Hz (EIAJ) / Recording system — AC bias / Erasing system — Magnet erase / Heads — Recording/playback head (1), Erasure head (1)

CD player section
Disc — Compact disc / Scanning method — Non-contact optical scanner (semiconductor laser)

General
Speaker — 100 mm cone type (2) / Output — Headphones jack (stereo mini-jack) / Power output — 2.9 W + 2.9 W (DIN MUSIC POWER), 2.5 W + 2.5 W (EIAJ 7 ohms, T.H.D. 10% DC), 1.9 W + 1.9 W (DIN 1% Rated Power) / Power requirements — DC 12 V using eight size C (R14) batteries, AC 230 V, 50 Hz / Power consumption — 14 W / Dimensions — 420 (W) × 185 (H) × 250 (D) mm / Weight — 3.45 kg (excluding batteries)

- Design and specifications are subject to change without notice.

ACCESSORIES/PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

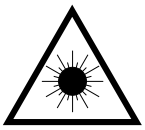
REF. NO		PART NO.	KANRI NO.	DESCRIPTION
	1	8A-CDA-904-010		IB,G(E)FM<GSC>
	1	8A-CDA-907-010		IB,V(ER)FM<VSC>
⚠	2	87-050-076-010		AC CORD SET ASSY,E<VSC>
⚠	2	87-A80-144-010		AC CORD SET ASSY,G BLK<GSC>

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 expo sure to beam.
- Advarsel: Usynling laserståling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainit ulla tavalla saattaa altistaa käyt täjän turvallisuusluokan 1 ylit tävälle näkymättömälle lasersäteilylle.

VARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling 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.

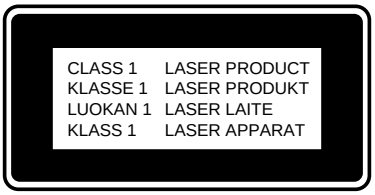
ATTENTION

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

ADVARSEL!

Usynlig laserståling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

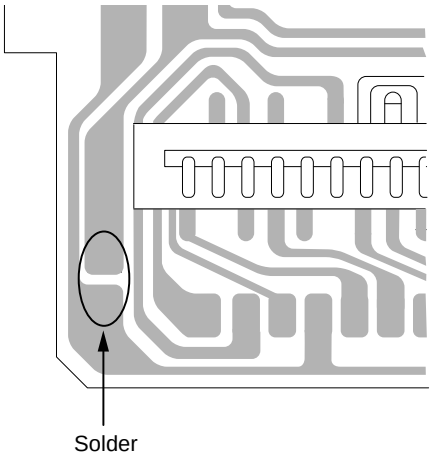
This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

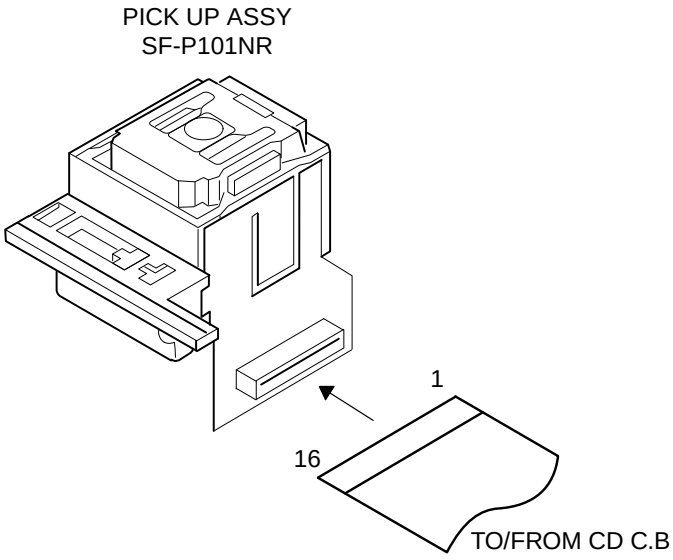


Precaution to replace Optical block (SF-P101NR)

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 the right figure.





ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC			
	87-A20-955-010		IC,LA1828
	87-A21-064-010		IC,LA4227
	87-A21-443-040		C-IC,M62495AFP
	87-A20-446-010		C-IC,LA9241ML
	87-A20-459-010		C-IC,LC78622ED
	87-A20-856-010		IC,BA6898S
	8A-CD9-610-010		C-IC,LC865516A-5P16
	87-A21-607-010		IC,NJM14558LD
TRANSISTOR			
	89-327-143-080		TR,2SC2714 (0.1W)
	87-026-447-080		TR,2SC1740S R
	87-026-463-080		TR,2SA933S (0.3W)
	87-A30-288-040		C-TR,DTC114YKA
	89-318-154-080		TR,2SC1815 (0.4W)
	89-112-965-080		TR,2SA1296 (0.75W)
	87-026-291-080		TR,DTC124XS
	89-213-702-010		TR,2SB1370 (1.8W)
	87-026-462-080		TR,2SC1740 S(RS 0.3W)
	89-109-332-380		TR,2SA933RS
	89-113-187-080		TR,2SA1318TU
	87-A30-436-040		C-TR,DTC144TKA
	89-317-403-080		TR,2SC1740S
	87-A30-287-040		C-TR,DTC114TKA
	87-026-464-080		TR,DTC114TS (0.3W)
DIODE			
	87-020-465-080		DIODE,1SS133 (110MA)
	87-A40-916-040		C-VARI-CAP,HVC202A
	87-A40-650-080		ZENER,MTZJ6.8A
	87-A40-912-040		C-DIODE,HSC277B-TRF<VSC>
	87-070-345-080		DIODE,IN4148
	87-A40-648-080		ZENER,MTZJ8.2A
	87-A40-234-080		ZENER,MTZJ5.6A
	87-017-978-080		DIODE,1N4003
	87-017-932-080		ZENER,MTJ6.2B
	87-A40-465-010		DIODE,FR202
MAIN C.B			
C211	87-A11-177-080		C-CAP,S 0.15-16 K B
C212	87-A11-177-080		C-CAP,S 0.15-16 K B
C215	87-016-460-080		C-CAP,S 0.22-16 B
C216	87-016-460-080		C-CAP,S 0.22-16 B
C231	87-010-213-080		C-CAP,S 0.015-50 B
C232	87-010-213-080		C-CAP,S 0.015-50 B
C233	87-A10-201-080		C-CAP,S0.33-16 KB
C234	87-A10-201-080		C-CAP,S0.33-16 KB
C235	87-016-669-080		C-CAP,S 0.1-25 K B
C236	87-016-669-080		C-CAP,S 0.1-25 K B
C237	87-010-371-080		CAP, ELECT 470-6.3V
C239	87-010-197-080		CAP, CHIP 0.01 DM
C240	87-010-197-080		CAP, CHIP 0.01 DM
C247	87-010-401-080		CAP, ELECT 1-50V
C248	87-010-401-080		CAP, ELECT 1-50V
C310	87-010-248-080		CAP, ELECT 220-10V
C316	87-010-263-080		CAP, ELECT 100-10V
C317	87-015-819-080		CAPACITOR,0.01
C801	87-010-248-080		CAP, ELECT 220-10V
C805	87-012-365-080		C-CAP,S 0.027-25VBK
C806	87-012-365-080		C-CAP,S 0.027-25VBK
C807	87-010-405-080		CAP, ELECT 10-50V
C808	87-010-405-080		CAP, ELECT 10-50V
C809	87-010-401-080		CAP, ELECT 1-50V
C810	87-010-401-080		CAP, ELECT 1-50V
C811	87-010-178-080		CHIP CAP 1000P
C812	87-010-178-080		CHIP CAP 1000P
C816	87-010-180-080		C-CER 1500P
C817	87-010-180-080		C-CER 1500P
C821	87-010-401-080		CAP, ELECT 1-50V
C822	87-010-401-080		CAP, ELECT 1-50V
C829	87-010-178-080		CHIP CAP 1000P
C830	87-010-178-080		CHIP CAP 1000P
C833	87-018-195-080		CAP, CER 1200P-16V
C834	87-010-248-080		CAP, ELECT 220-10V
C843	87-010-197-080		CAP, CHIP 0.01 DM
C844	87-018-124-080		CAP, CER 270P-50V
C845	87-010-178-080		CHIP CAP 1000P
C846	87-010-263-080		CAP, ELECT 100-10V
C851	87-010-186-080		CAP,CHIP 4700P
C852	87-010-178-080		CHIP CAP 1000P
C853	87-A11-132-080		CAP,TC U 0.01-50 K B
CN201	87-099-018-010		CONN,16P
CN801	87-A60-110-010		CONN,4P V S2M-4W
CNA302	8A-CDA-629-010		CONN ASSY,6P MA-TU
L801	87-007-342-010		COIL,OSC 85K BIAS
SW801	8Z-CD9-609-010		SW,SL 1-6-2 PS62D01
CD C.B			
C30	87-010-260-080		CAP, ELECT 47-25V
C251	87-010-404-080		CAP, ELECT 4.7-50V
C261	87-010-402-080		CAP, ELECT 2.2-50V
C262	87-010-402-080		CAP, ELECT 2.2-50V
C263	87-010-178-080		CHIP CAP 1000P
C264	87-010-178-080		CHIP CAP 1000P
C265	87-010-263-080		CAP, ELECT 100-10V
C266	87-010-263-080		CAP, ELECT 100-10V
C267	87-010-112-080		CAP, ELECT 100-16V
C268	87-010-112-080		CAP, ELECT 100-16V
C271	87-010-237-080		CAP, ELECT 1000-16V
C272	87-010-237-080		CAP, ELECT 1000-16V
C278	87-010-405-080		CAP, ELECT 10-50V
C279	87-010-385-080		CAP, ELECT 220-25V
⚠C301	87-016-495-000		CAP,E 3300-25 M SMG
C306	87-010-404-080		CAP, ELECT 4.7-50V
C307	87-010-401-080		CAP, ELECT 1-50V
C308	87-010-221-080		CAP, ELECT 470-10V
C311	87-010-374-080		CAP, ELECT 47-10V
C312	87-010-385-080		CAP, ELECT 220-25V
C321	87-010-197-080		CAP, CHIP 0.01 DM
C322	87-010-263-080		CAP, ELECT 100-10V
C325	87-010-405-080		CAP, ELECT 10-50V
C401	87-010-403-080		CAP, ELECT 3.3-50V
C402	87-010-197-080		CAP, CHIP 0.01 DM
C403	87-010-263-080		CAP, ELECT 100-10V
C404	87-010-248-080		CAP, ELECT 220-10V
C405	87-010-197-080		CAP, CHIP 0.01 DM
C406	87-010-374-080		CAP, ELECT 47-10V
C407	87-010-178-080		CHIP CAP 1000P
C408	87-010-198-080		CAP, CHIP 0.022
C409	87-010-248-080		CAP, ELECT 220-10V
C410	87-010-263-080		CAP, ELECT 100-10V
C411	87-A11-177-080		C-CAP,S 0.15-16 K B
C412	87-010-401-080		CAP, ELECT 1-50V
C413	87-016-369-080		C-CAP,S 0.033-25 B K
C414	87-010-405-080		CAP, ELECT 10-50V
C416	87-010-545-080		CAP, ELECT 0.22-50V
C417	87-012-157-080		C-CAP,S 330P-50 CH
C418	87-010-213-080		C-CAP,S 0.015-50 B
C419	87-A11-608-080		C-CAP,S 0.33-25 K B
C420	87-016-369-080		C-CAP,S 0.033-25 B K
C421	87-A11-177-080		C-CAP,S 0.15-16 K B
C422	87-010-184-080		CHIP CAPACITOR 3300P(K)
C423	87-010-992-080		C-CAP,S 0.047-25 B
C425	87-010-176-080		C-CAP,S 680P-50 SL
C426	87-A11-608-080		C-CAP,S 0.33-25 K B

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C428	87-010-197-080		CAP, CHIP 0.01 DM
C429	87-010-186-080		CAP,CHIP 4700P
C430	87-012-156-080		C-CAP,S 220P-50 CH
C431	87-010-545-080		CAP, ELECT 0.22-50V
C432	87-010-374-080		CAP, ELECT 47-10V
C433	87-010-401-080		CAP, ELECT 1-50V
C434	87-010-184-080		CHIP CAPACITOR 3300P(K)
C435	87-010-197-080		CAP, CHIP 0.01 DM
C436	87-010-374-080		CAP, ELECT 47-10V
C437	87-010-404-080		CAP, ELECT 4.7-50V
C438	87-016-669-080		C-CAP,S 0.1-25 K B
C439	87-010-178-080		CHIP CAP 1000P
C440	87-010-145-080		C-CAP,S 1P-50 CH
C441	87-010-197-080		CAP, CHIP 0.01 DM
C442	87-010-313-080		CAP, CHIP 18P
C445	87-012-368-080		C-CAP,S 0.1-50 F
C446	87-012-368-080		C-CAP,S 0.1-50 F
C447	87-012-368-080		C-CAP,S 0.1-50 F
C448	87-010-315-080		C-CAP,S 27P-50 CH
C450	87-012-140-080		CAP 470P
C451	87-012-156-080		C-CAP,S 220P-50 CH
C455	87-010-247-080		CAP, ELECT 100-50V
C457	87-010-312-080		C-CAP,S 15P-50 CH
C458	87-010-312-080		C-CAP,S 15P-50 CH
C459	87-010-263-080		CAP, ELECT 100-10V
C460	87-015-819-080		CAPACITOR,0.01
C461	87-010-197-080		CAP, CHIP 0.01 DM
C462	87-010-248-080		CAP, ELECT 220-10V
C463	87-010-197-080		CAP, CHIP 0.01 DM
C465	87-010-404-080		CAP, ELECT 4.7-50V
C466	87-012-368-080		C-CAP,S 0.1-50 F
C467	87-010-263-080		CAP, ELECT 100-10V
C469	87-012-154-080		C-CAP,S 150P-50 CH
C471	87-015-785-080		CHIP CAPACITOR, 0.1FZ-25Z
C472	87-015-785-080		CHIP CAPACITOR, 0.1FZ-25Z
C473	87-015-785-080		CHIP CAPACITOR, 0.1FZ-25Z
C474	87-015-785-080		CHIP CAPACITOR, 0.1FZ-25Z
C475	87-010-197-080		CAP, CHIP 0.01 DM
C476	87-010-236-080		CAP,E 1000-10 SME
C477	87-010-197-080		CAP, CHIP 0.01 DM
C478	87-010-263-080		CAP, ELECT 100-10V
C479	87-010-197-080		CAP, CHIP 0.01 DM
C480	87-010-221-080		CAP, ELECT 470-10V
C481	87-010-405-080		CAP, ELECT 10-50V
C482	87-010-405-080		CAP, ELECT 10-50V
C489	87-012-368-080		C-CAP,S 0.1-50 F
C490	87-012-368-080		C-CAP,S 0.1-50 F
C491	87-010-197-080		CAP, CHIP 0.01 DM
C492	87-010-221-080		CAP, ELECT 470-10V
C494	87-010-197-080		CAP, CHIP 0.01 DM
C501	87-012-368-080		C-CAP,S 0.1-50 F
C502	87-010-322-080		C-CAP,S 100P-50 CH
C503	87-010-322-080		C-CAP,S 100P-50 CH
C504	87-010-322-080		C-CAP,S 100P-50 CH
C505	87-010-322-080		C-CAP,S 100P-50 CH
C506	87-010-322-080		C-CAP,S 100P-50 CH
C510	87-016-669-080		C-CAP,S 0.1-25 K B
C831	87-010-198-080		CAP, CHIP 0.022
CN202	8A-CH4-689-010		CONN,3P V 2.5
CN205	87-A60-109-010		CONN,2P V S2M-2W
CN301	8A-CH4-689-010		CONN,3P V 2.5
CN401	87-A60-424-010		CONN,16P V TOC-B
CN403	87-099-201-010		CONN,8P 6216 H
CN802	8A-CH4-687-010		CONN,4P V 2.5
CNA402	8A-CDA-625-010		CONN ASSY,6P CD-ME
L401	87-003-102-080		COIL, 10UH
L404	87-003-152-080		COIL, 100UH
R840	87-029-124-010		RES,FUSE 2.2-1/4
SFR430	87-024-437-080		SFR100K,RH063EC
X401	8Z-CD5-633-010		VIB, CER16.93MHZ FCR16.93M2

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
FRONT C.B			
C601	87-010-313-080		CAP, CHIP 18P
C602	87-010-315-080		C-CAP,S 27P-50 CH
C603	87-010-319-080		C-CAP,S 56P-50 CH
C604	87-010-317-010		CHIP CAP,S 39P CH
C605	87-010-264-040		CAP,E 100-10 5L
C606	87-012-368-080		C-CAP,S 0.1-50 F
C607	87-015-779-010		CHIP CAPACITOR, 0.01
C608	87-010-415-080		CAP ELE SRE 10-50V
C609	87-010-493-080		CAP,E 0.47-50 GAS
C611	87-A10-189-040		CAP,E 220-10
C613	87-012-368-080		C-CAP,S 0.1-50 F
C614	87-010-312-080		C-CAP,S 15P-50 CH
C627	87-015-779-010		CHIP CAPACITOR, 0.01
C628	87-015-779-010		CHIP CAPACITOR, 0.01
C629	87-015-779-010		CHIP CAPACITOR, 0.01
C630	87-010-264-040		CAP,E 100-10 5L
C631	87-015-779-010		CHIP CAPACITOR, 0.01
CN601	87-099-757-010		CONN,16P 9604S F
CN602	87-A60-079-010		CONN,08P H 9604S-08F
CNA604	8A-CDA-623-010		CONN ASSY,7P KEY
JW603	87-008-372-080		FILTER, EMI BL OIRNI
JW605	87-003-097-080		COIL,1UH
JW606	87-003-097-080		COIL,1UH
JW608	87-003-097-080		COIL,1UH
JW627	87-008-372-080		FILTER, EMI BL OIRNI
JW633	87-003-098-080		COIL,2.2UH
L601	87-003-098-080		COIL,2.2UH
LED611	87-CD8-616-010		LED,SA36-11 HWA-11.0
S601	87-A91-704-080		SW,TACT EVQ 214 05R
S602	87-A91-704-080		SW,TACT EVQ 214 05R
S603	87-A91-704-080		SW,TACT EVQ 214 05R
S604	87-A91-704-080		SW,TACT EVQ 214 05R
S605	87-A91-704-080		SW,TACT EVQ 214 05R
S611	87-A91-704-080		SW,TACT EVQ 214 05R
X601	87-030-273-010		VIB,XTAL 32.768K5PPM
X602	87-030-376-080		VIB,CER CSA5.76MG200
TUNER C.B			
C1	87-010-314-080		C-CAP,S 22P-50V<GSC>
C1	87-010-313-080		CAP, CHIP 18P<VSC>
C2	87-010-316-080		C-CAP,S 33P-50 CH
C3	87-010-314-080		C-CAP,S 22P-50V<GSC>
C3	87-010-313-080		CAP, CHIP 18P<VSC>
C4	87-010-148-080		CAP, CHIP S 4P-50 C CH<VSC>
C5	87-010-378-080		CAP, ELECT 10-16V
C7	87-012-154-080		C-CAP,S 150P-50 CH<VSC>
C7	87-012-156-080		C-CAP,S 220P-50 CH<GSC>
C8	87-010-992-080		C-CAP,S 0.047-25 B<VSC>
C8	87-010-197-080		CAP, CHIP 0.01 DM<GSC>
C9	87-010-311-080		CAP 12P<GSC>
C9	87-010-154-080		CAP CHIP 10P<VSC>
C10	87-010-197-080		CAP, CHIP 0.01 DM
C11	87-010-327-080		C-CAP,S 4P-50 UJ<VSC>
C11	87-010-152-080		C-CAP,S 8P-50 CH<GSC>
C12	87-010-314-080		C-CAP,S 22P-50V
C13	87-010-322-080		C-CAP,S 100P-50 CH
C14	87-010-148-080		CAP, CHIP S 4P-50 C CH
C15	87-016-669-080		C-CAP,S 0.1-25 K B
C16	87-010-178-080		CHIP CAP 1000P<GSC>
C17	87-016-669-080		C-CAP,S 0.1-25 K B
C18	87-016-669-080		C-CAP,S 0.1-25 K B<VSC>
C18	87-010-198-080		CAP, CHIP 0.022<GSC>
C19	87-016-669-080		C-CAP,S 0.1-25 K B
C20	87-010-400-080		CAP, ELECT 0.47-50V
C21	87-010-403-080		CAP, ELECT 3.3-50V
C22	87-010-197-080		CAP, CHIP 0.01 DM
C24	87-010-189-080		C-CAP,S 8200P-50 B<VSC>

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C25	87-010-189-080		C-CAP,S 8200P-50 B<VSC>
C26	87-012-358-080		C-CAP,S 0.47-10 F Z
C27	87-012-358-080		C-CAP,S 0.47-10 F Z
C28	87-010-992-080		C-CAP,S 0.047-25 B<VSC>
C28	87-010-992-080		C-CAP,S 0.047-25 B<GSC>
C29	87-010-992-080		C-CAP,S 0.047-25 B<GSC>
C29	87-010-992-080		C-CAP,S 0.047-25 B<VSC>
C30	87-010-248-080		CAP, ELECT 220-10V
C31	87-010-379-080		CAP, ELECT 22-16V
C32	87-010-197-080		CAP, CHIP 0.01 DM
C33	87-010-197-080		CAP, CHIP 0.01 DM
C34	87-010-197-080		CAP, CHIP 0.01 DM
C35	87-010-197-080		CAP, CHIP 0.01 DM
C36	87-010-263-080		CAP, ELECT 100-10V
C37	87-010-197-080		CAP, CHIP 0.01 DM
C38	87-010-197-080		CAP, CHIP 0.01 DM<GSC>
C41	87-010-321-080		CHIP CAPACITOR,82P(J)<GSC>
C42	87-010-150-080		C-CAP,S 6P-50 CH<GSC>
C44	87-012-140-080		CAP 470P<GSC>
C51	87-010-197-080		CAP, CHIP 0.01 DM
C52	87-010-316-080		C-CAP,S 33P-50 CH<VSC>
C53	87-010-341-080		C-CAP,S47P-50UJ<VSC>
C54	87-010-197-080		CAP, CHIP 0.01 DM<VSC>
C56	87-010-331-080		C-CAP,S 8P-50 UJ<VSC>
C57	87-010-197-080		CAP, CHIP 0.01 DM<VSC>
C61	87-010-318-080		C-CAP,S 47P-50 CH<VSC>
CF1	87-A90-128-010		FLTR,AM IF CFAL-455
CF2	87-008-261-010		FILTER, SFE10.7MA5-A
CF3	87-008-261-010		FILTER, SFE10.7MA5-A
CN2	87-A60-116-010		CONN,6P H S2M-6WR
L2	87-A50-560-010		COIL,FM BPF(ACD)
L3	8A-CD9-660-010		BAR-ANT,MW 2B-ACD(COI)<VSC>
L3	8A-CD9-661-010		BAR-ANT,MW/LW 3B-ACD(COI)<GSC>
L4	87-A50-562-010		COIL,FM RF EX(ACD)<GSC>
L4	87-A50-647-010		COIL,FM2 RF V(ACD)<VSC>
L5	87-A50-564-010		COIL,FM OSC EX(ACD)<GSC>
L5	87-A50-649-010		COIL,FM2 OSC V(ACD)<VSC>
L6	87-A50-337-010		COIL,AM OSC (TOKO)<VSC>
L7	87-A50-579-010		COIL,AM IFT(ACD)
L8	87-A50-335-010		COIL,FM IFT (TOKO)
L9	87-A50-577-010		COIL,FM DET(ACD)
L10	87-005-849-080		COIL,10UH(CECS)
L16	87-A50-569-010		COIL,LW OSC-ACD(COI)<GSC>
L17	87-A50-337-010		COIL,AM OSC (TOKO)<GSC>
L52	87-A50-648-010		COIL,FM1 RF V(ACD)<VSC>

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
L53	87-A50-650-010		COIL,FM1 OSC V(ACD)<VSC>
PVC1	87-A91-635-010		TUN-CAP,20P-140P E-ACD(MITSUMI <GSC>
PVC1	87-A91-169-010		TUN-CAP,40P-140P FA-22124 AN00 <VSC>
SW1	87-A91-884-010		SW,SL-4-4 SK44D01G6A<VSC>
SW1	87-A91-549-010		SW,SL-6-4 SK64D01G06<GSC>
TC5	87-011-253-080		TRIMER,30P LAR<GSC>
TC6	87-011-253-080		TRIMER,30P LAR<GSC>
TC51	87-011-253-080		TRIMER,30P LAR<VSC>
TC52	87-011-253-080		TRIMER,30P LAR<VSC>
HP C.B			
CN204	87-A60-685-010		CONN,4P H WHT EH
CN605	87-A60-117-010		CONN,7P H S2M-7WR
CNA203	8A-CDA-628-110		CONN ASSY,4P MA-HP
J251	87-A60-569-010		JACK,HTJ-035-18
S606	87-A90-696-080		SW,TACT TS2103-03-430
S607	87-A90-696-080		SW,TACT TS2103-03-430
S608	87-A90-696-080		SW,TACT TS2103-03-430
S614	87-A90-696-080		SW,TACT TS2103-03-430
S615	87-A90-696-080		SW,TACT TS2103-03-430
BATT1 C.B			
C901	87-010-192-080		C-CAP,S 0.022-50 F
C902	87-010-192-080		C-CAP,S 0.022-50 F
C903	87-010-192-080		C-CAP,S 0.022-50 F
C904	87-010-192-080		C-CAP,S 0.022-50 F
CNA901	8A-CDA-627-010		CONN ASSY,3P PWR
⚠PR901	87-A90-092-080		PROTECTOR,2.5A 491
SP901	87-CD6-213-010		SPR-C,BATT (-)
SP902	87-CD6-213-010		SPR-C,BATT (-)
BATT2 C.B			
SP903	87-CD6-213-010		SPR-C,BATT (-)
SP904	87-CD6-213-010		SPR-C,BATT (-)
MOTOR C.B			
M2	9X-262-576-910		MOTOR GEAR ASSY
PIN3	91-564-722-110		CONNECTOR 6P
SW1	91-572-085-120		LEAF SW

- Regarding connectors, they are not stocked as they are not the initial order items
  The connectors are available after they are supplied from connector manufacturers upon the order is received

○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

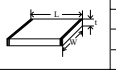
8 8 – □ □ □ □ □ □

A
抵抗部品コード
Resistor Code

桁表示
Figure

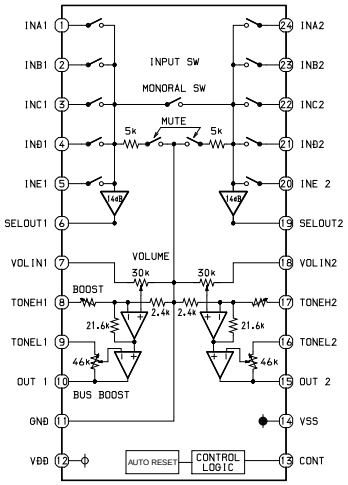
抵抗値
Value of resistor

チップ抵抗
Chip resistor

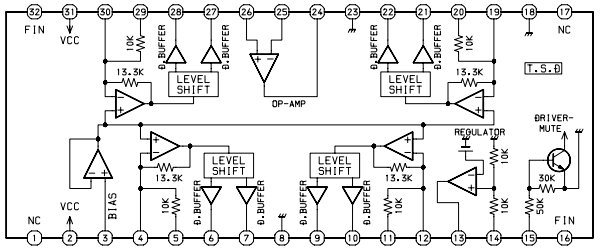
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード A Resistor Code A
1/16W	1005	± 5%	CJ		1 0	0 5	0 35	104
1/16W	1608	± 5%	CJ		1 6	0 8	0 45	108
1/10W	2125	± 5%	CJ		2	1 25	0 45	118
1/8W	3216	± 5%	CJ		3 2	1 6	0 55	128

IC BLOCK DIAGRAM

IC, M62495AFP

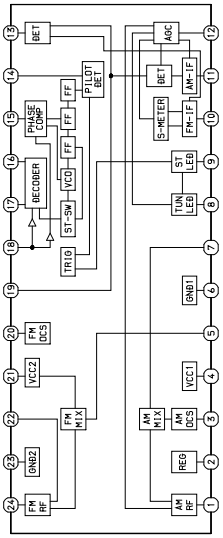


IC, BA6898S

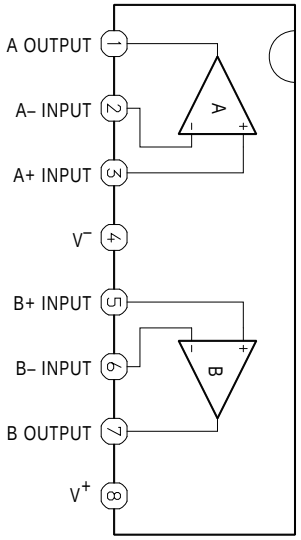


T.S.D:Thermal shift down circuit
B.BUFFER:Drive Buffer

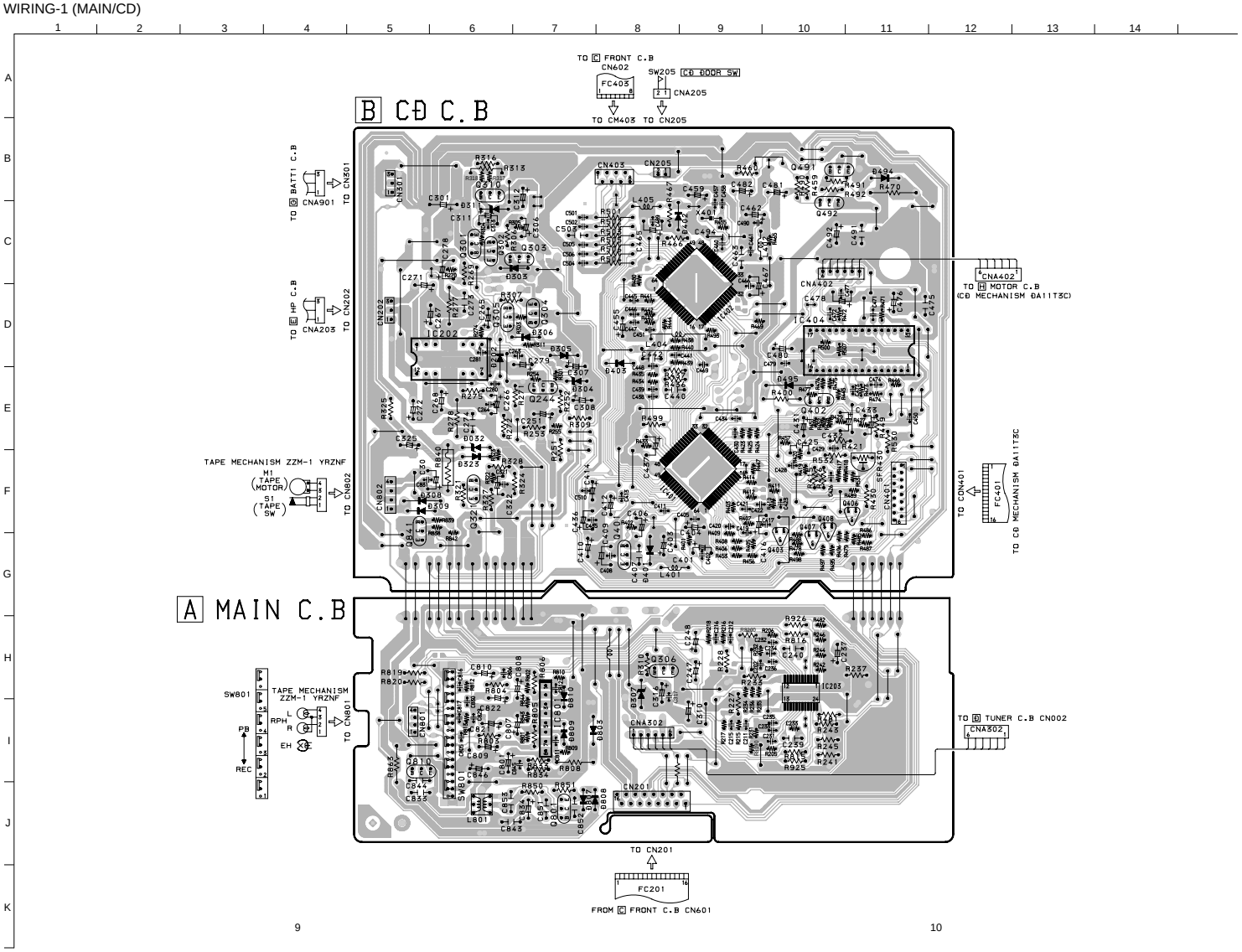
IC, LA1828



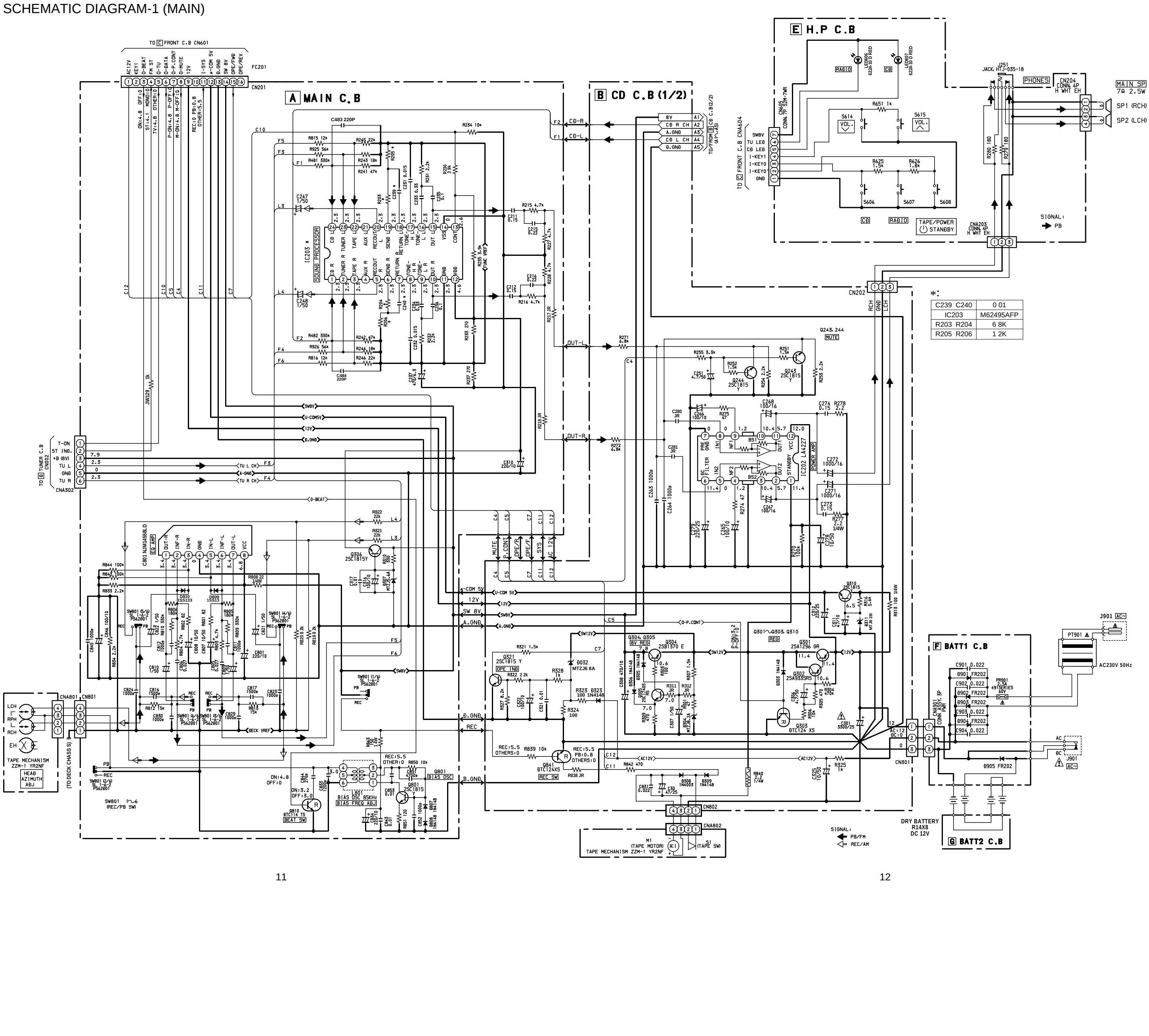
IC, NJM14558L



WIRING-1 (MAIN/CD)



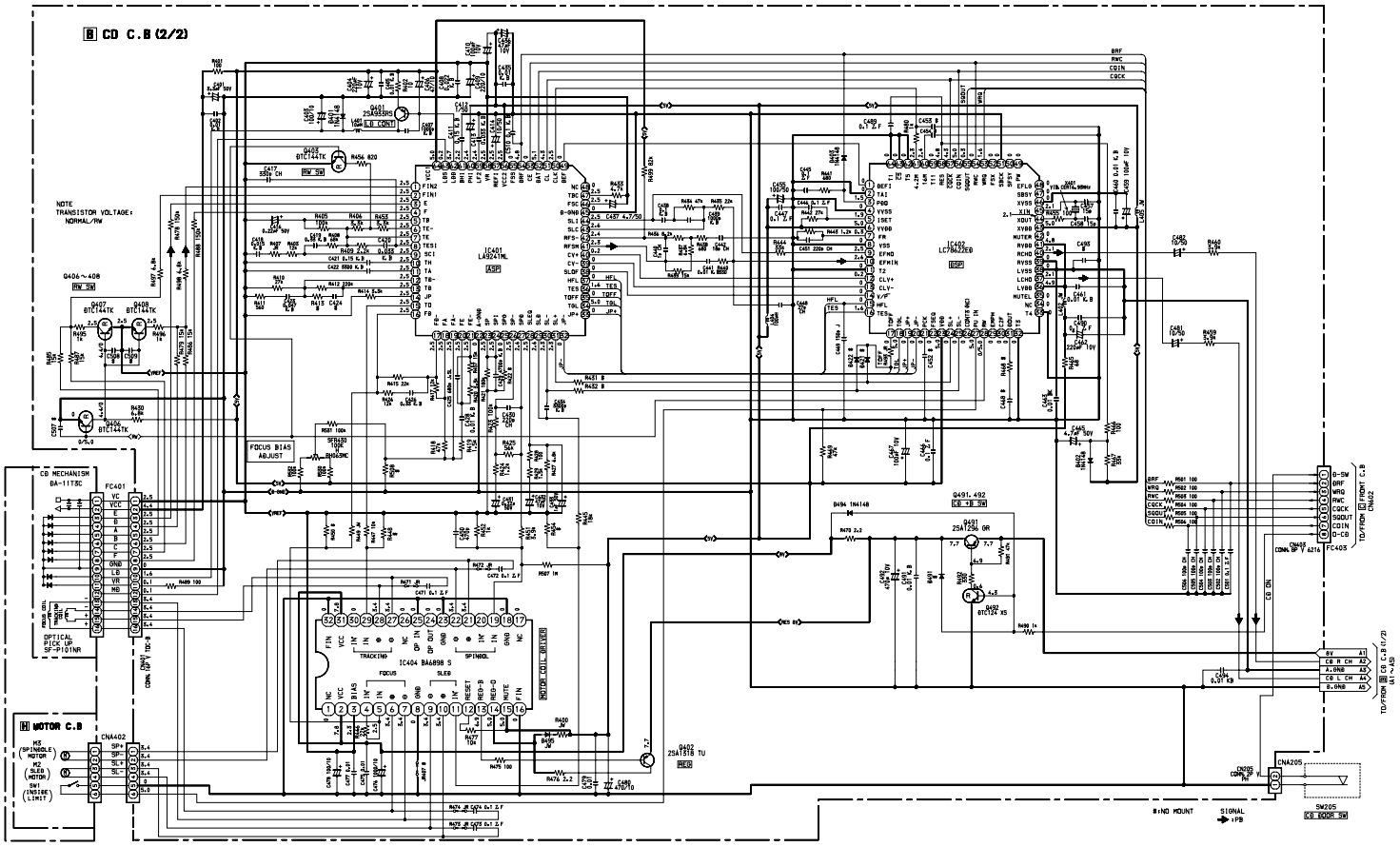
SCHEMATIC DIAGRAM-1 (MAIN)



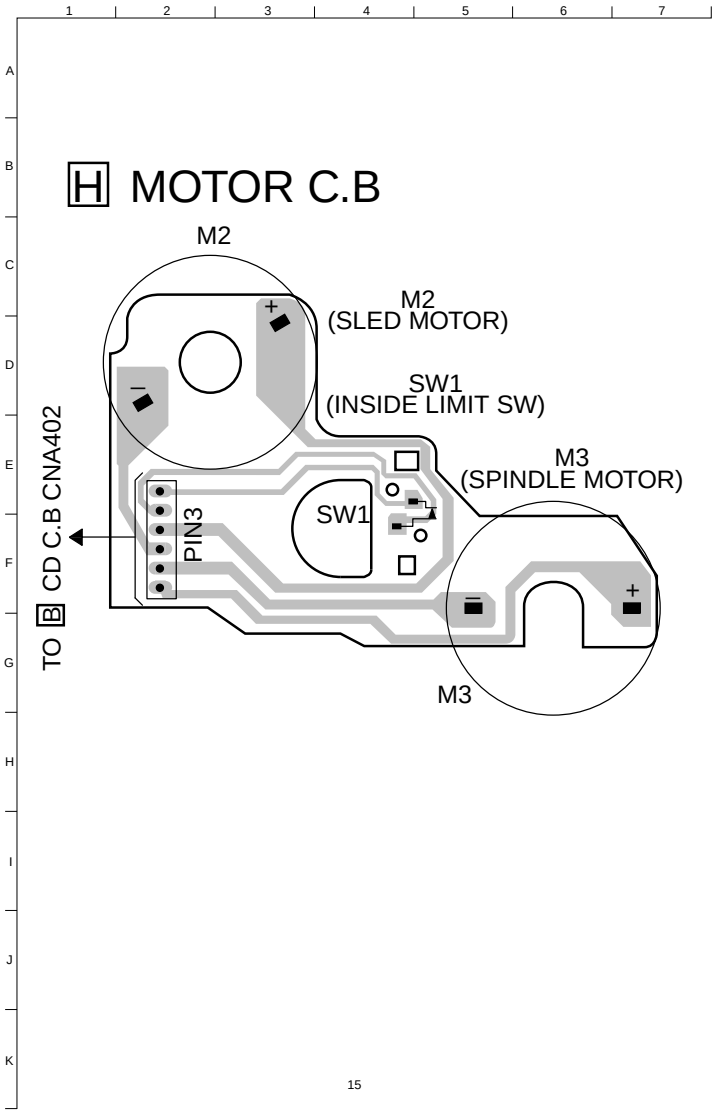
*:

C239 C240	0 01
IC203	M62495AFP
R203 R204	6 8K
R205 R206	1 2K

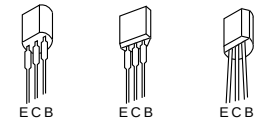
SCHEMATIC DIAGRAM-2 (CD)



WIRING-2 (MOTOR)



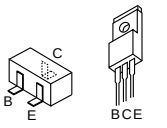
TRANSISTOR ILLUSTRATION



2SA1296
2SC1815

2SA933
2SC1740
DTC114TS
DTC124XS

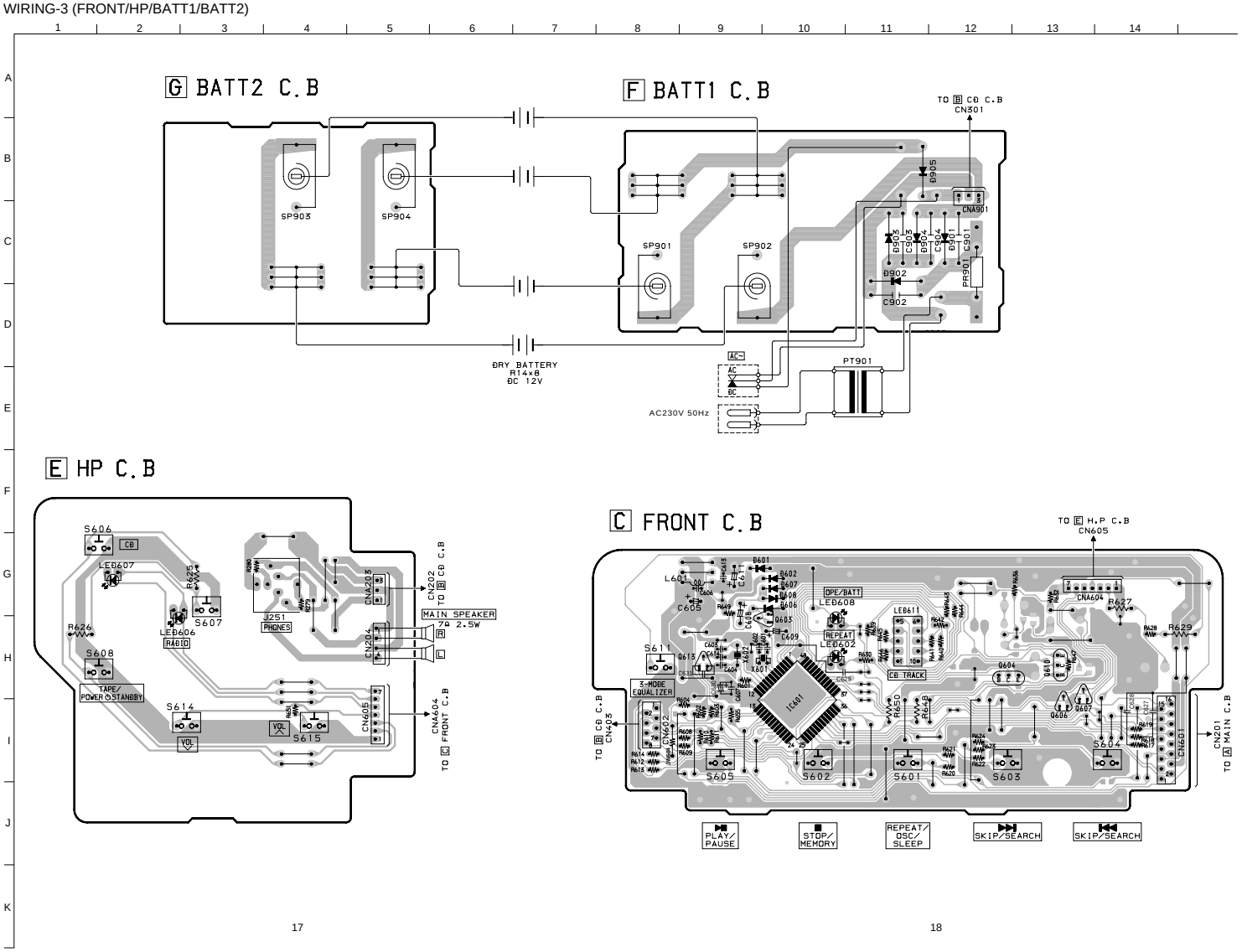
2SA1318



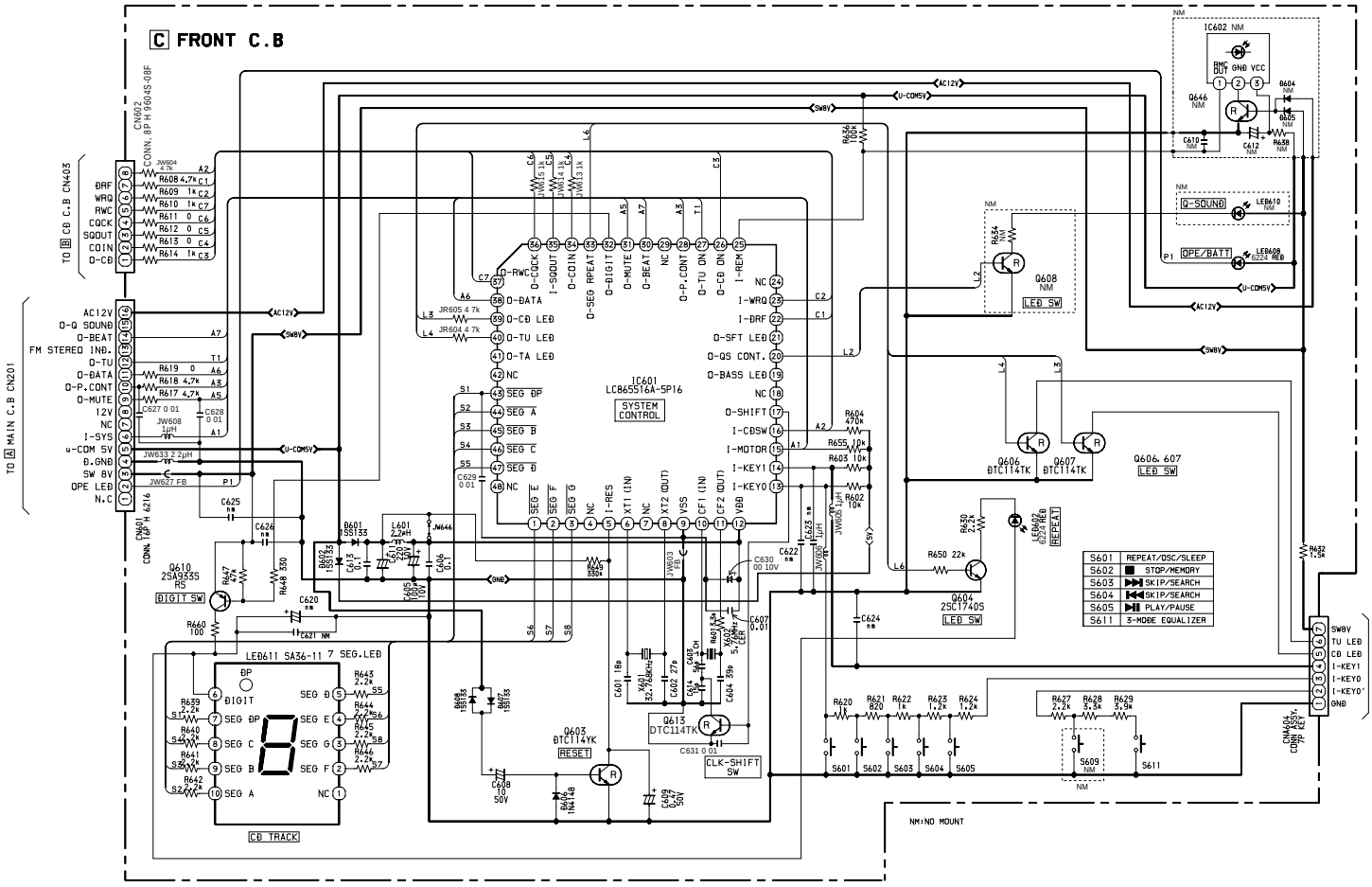
2SC2714
DTC114TK
DTC114YK
DTC124XK
DTC144TK

2SB1370

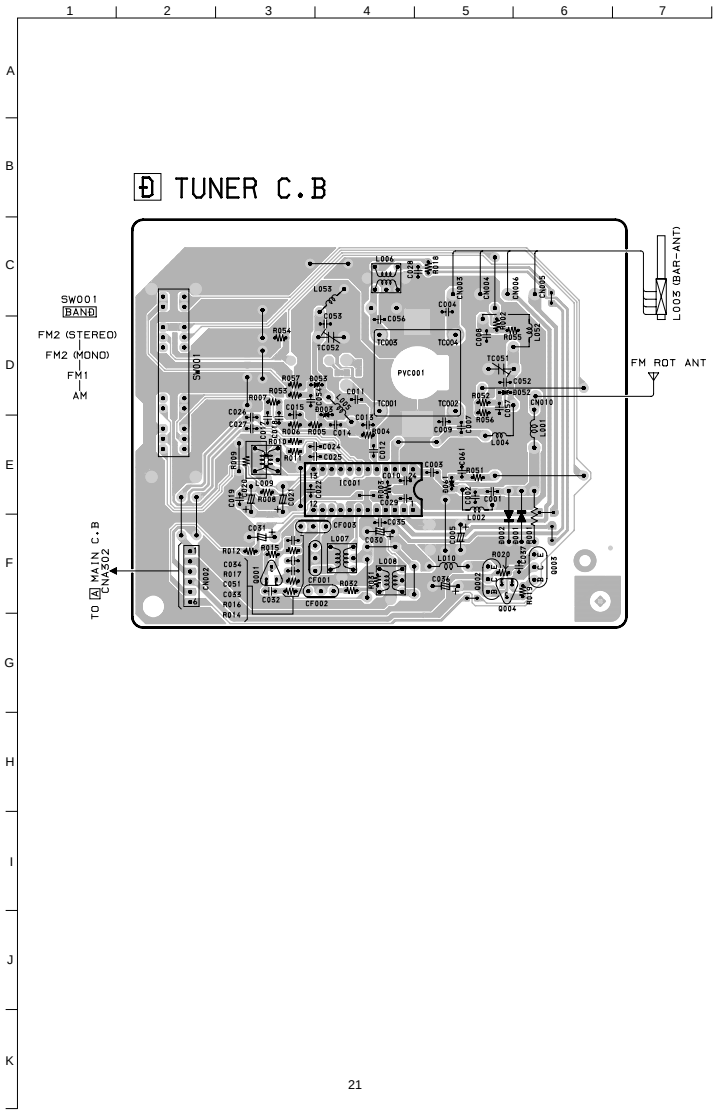
WIRING-3 (FRONT/HP/BATT1/BATT2)



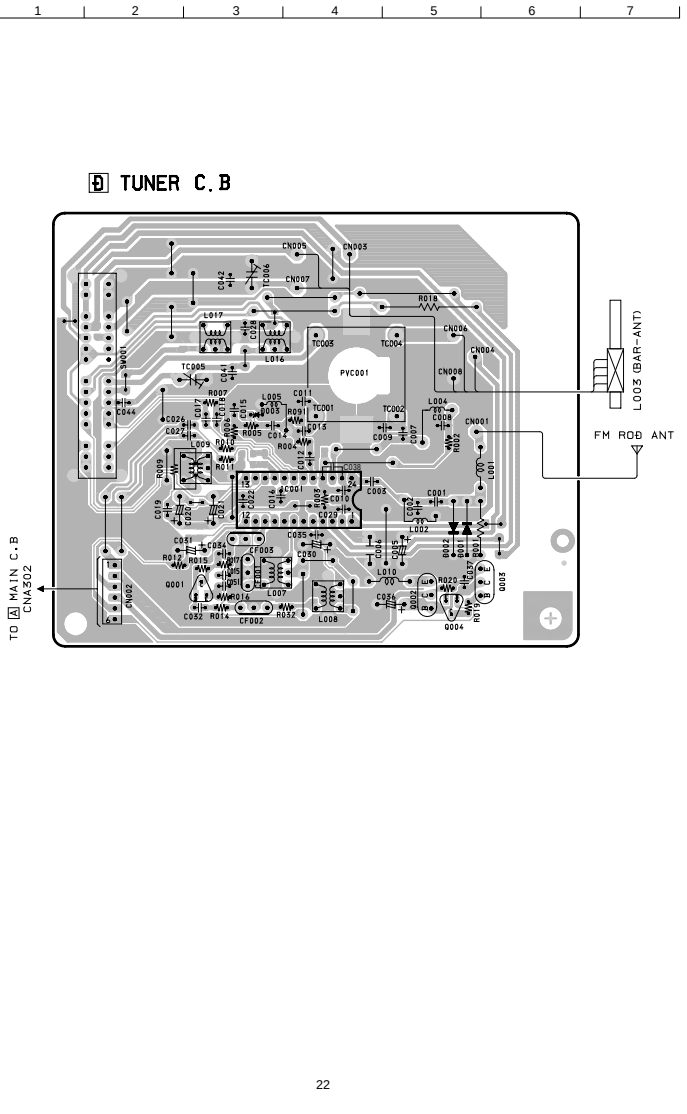
SCHEMATIC DIAGRAM-3 (FRONT)



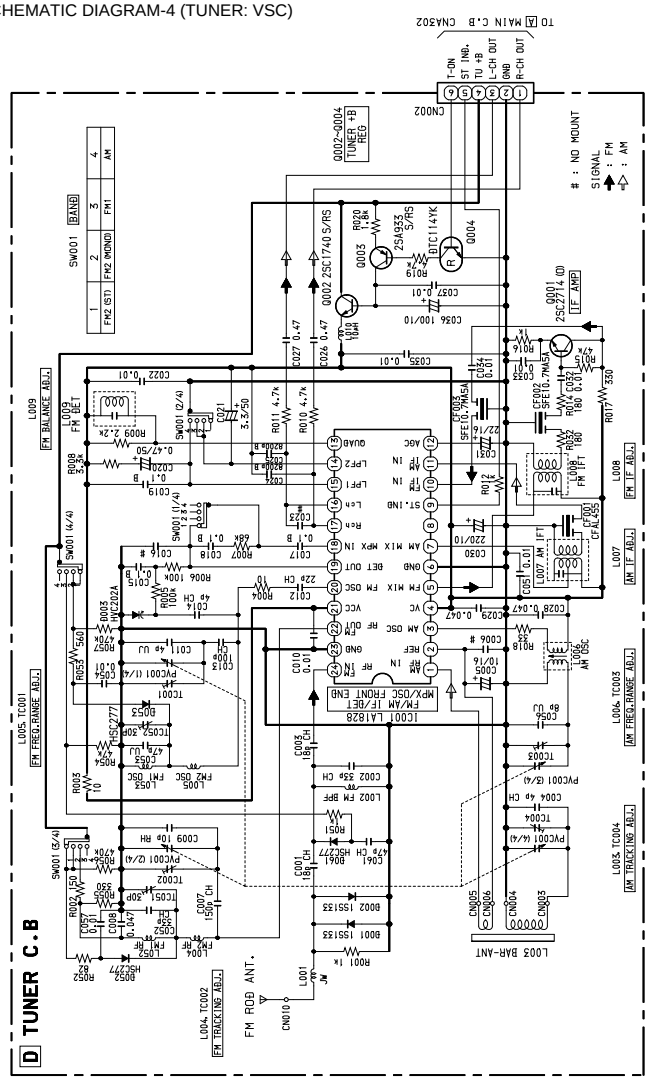
WIRING-4 (TUNER: VSC)



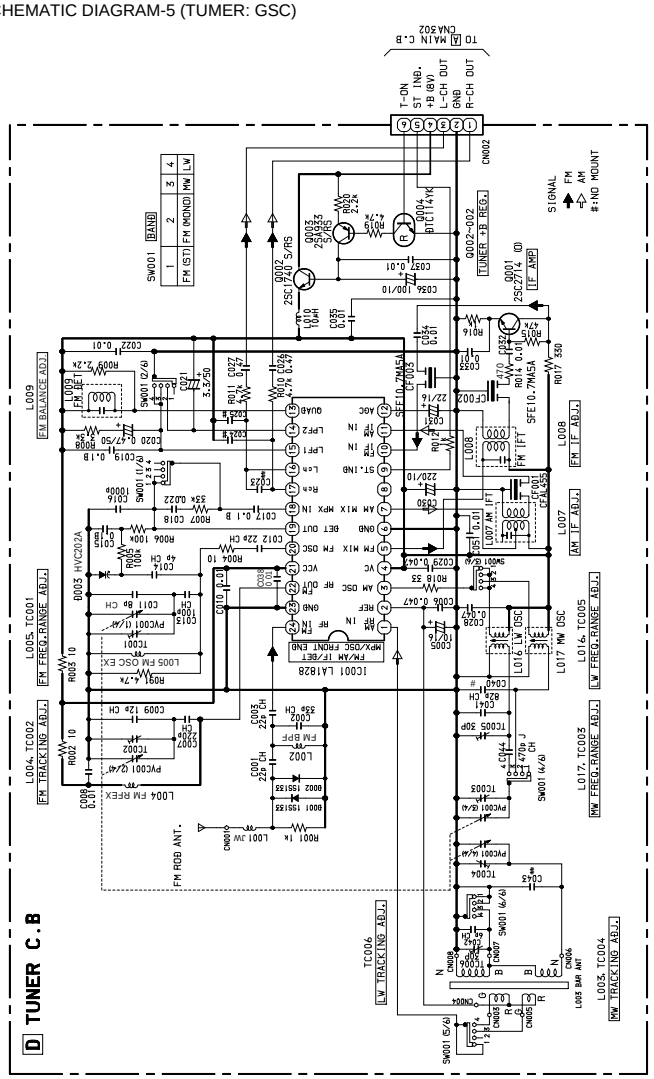
WIRING-5 (TUNER: GSC)



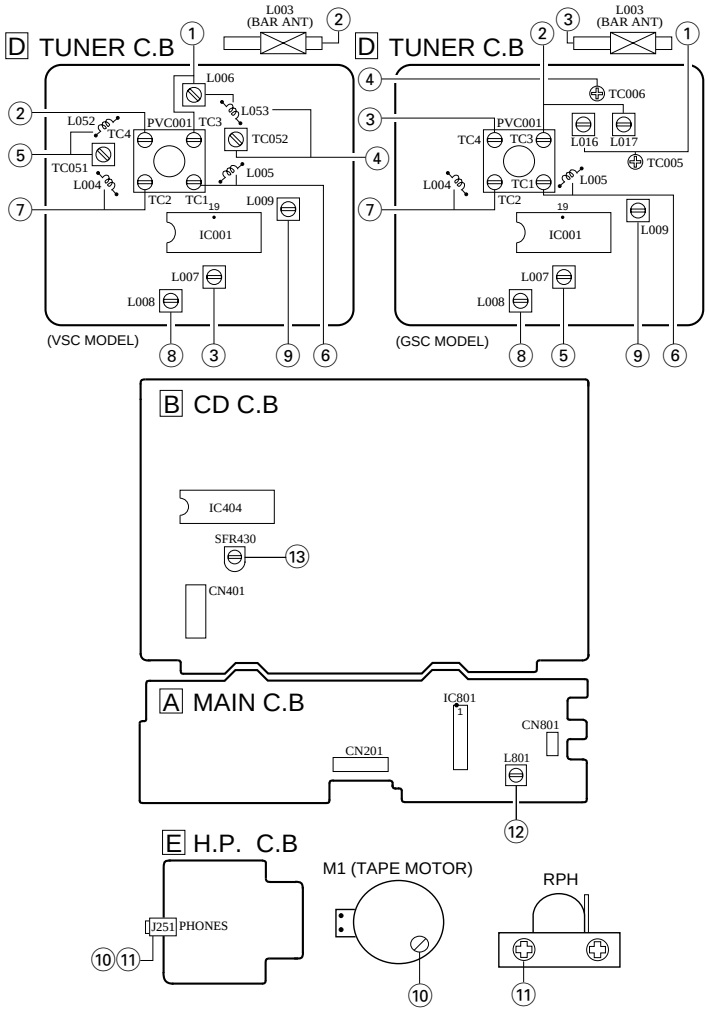
SCHEMATIC DIAGRAM-4 (TUNER: VSC)



SCHEMATIC DIAGRAM-5 (TUMER: GSC)



ELECTRICAL ADJUSTMENT



< TUNER SECTION >

(VSC MODEL)

1 AM Freq Range Adjustment

L006	530kHz
TC003	1605kHz

2 AM Tracking Adjustment

L003	603kHz
TC004	1404kHz

3 AM IF Adjustment

Settings • Test point IC001 (LA1828) 19PIN
• Adjustment location L007

Method Adjust L007 so that the output level at 1400kHz becomes maximum

4 FM Freq Range Adjustment

L053	65 0MHz
TC052	74 0MHz

5 FM1 Tracking Adjustment

L052	65 0MHz
TC051	74 0MHz

6 FM2 Freq Range Adjustment

L005	87 5MHz
TC001	108 0MHz

7 FM2 Tracking Adjustment

L004	88 0MHz
TC002	108 0MHz

8 FM IF Adjustment

Settings • Test point IC001 (LA1828) 19PIN
• Adjustment location L008

Method Adjust L008 so that the output level at 98 0MHz becomes balanced

9 FM Balance Adjustment

Settings • Test point IC001 (LA1828) 19PIN
• Adjustment location L009

Method Adjust L009 so that the output level at 98 0MHz becomes balanced

(GSC MODEL)

1 LW Freq Range Adjustment

L016	150kHz
TC005	285kHz

2 MW Freq Range Adjustment

L017	530kHz
TC003	1605kHz

3 MW Tracking Adjustment

L003	603kHz
TC004	1404kHz

4 LW Tracking Adjustment

TC006	288kHz

5 AM IF Adjustment

Settings • Test point IC001 (LA1828) 19PIN
• Adjustment location L007

Method Adjust L007 so that the output level at 1400kHz becomes maximum

6 FM Freq Range Adjustment

L005	87 5MHz
TC001	108 0MHz

7 FM Tracking Adjustment

L004	88 0MHz
TC002	108 0MHz

8 FM IF Adjustment

Settings • Test point IC001 (LA1828) 19PIN
• Adjustment location L008

Method Adjust L008 so that the output level at 98 0MHz becomes balanced

9 FM Balance Adjustment

Settings • Test point IC001 (LA1828) 19PIN
• Adjustment location L009

Method Adjust L009 so that the output level at 98 0MHz becomes balanced

< DECK SECTION >

10 Tape Speed Adjustment

Settings • Test tape TTA 100
• Test point J251 (PHONES jack)
• Adjustment location SFR of deck motor

Method Play back the test tape and adjust SFR so that the frequency counter reads 3000Hz ± 30Hz

11 Head Azimuth Adjustment

Settings • Test tape TTA 320
• Test point J251 (PHONES jack)
• Adjustment location Azimuth adjustment screw

Method Play back the 8kHz signal of the test tape and adjust screw so that the output becomes maximum

12 Bias frequncy Adjustment

L801	85kHz±0 5kHz

< CD SECTION >

13 FE Balance Adjustment

Settings • Test point IC401 PIN58 (VR), IC401 PIN 20 (FE)
• Adjustment location SFR430

Method Playback the disc and adjust SFR430 so that the test point voltage becomes 0V

PRACTICAL SERVICE FIGURE

< TUNER SECTION >

< FM1 SECTION > (VSC)

Sensitivity:	Less than 20dB (65.0MHz)
(THD 3%)	Less than 18dB (70.0MHz)
	Less than 20dB (74.0MHz)
Signal to Noise Ratio:	More than 60dB (at 70.0MHz)
(Input 60dB)	
Distortion:	Less than 2.0% (at 70.0MHz)
(Input 60dB)	
Intermediate frequency:	10.7MHz ±0.1MHz

< FM2 SECTION > (VSC/GSC)

Sensitivity:	Less than 18dB (87.5MHz)
(THD 3%)	Less than 18dB (98.0MHz)
	Less than 18dB (108.0MHz)
Signal to Noise Ratio:	More than 60dB (at 98.0MHz)
(Input 60dB)	
Distortion:	Less than 2.0% (at 98.0MHz)
(Input 60dB)	
Intermediate frequency:	10.7MHz ±0.1MHz
Stereo separation:	More than 25dB (at 98.0MHz)

< AM SECTION > (VSC/GSC)

Sensitivity:	Less than 48dB (at 603kHz)
(S/N 10dB)	Less than 46dB (at 999kHz)
	Less than 44dB (at 1404kHz)
Distortion:	Less than 3.0%
(Input 74dB)	
Intermediate frequency:	455kHz±3.5kHz

< LW SECTION > (GSC)

Sensitivity:	Less than 60dB (at 153kHz)
(S/N 10dB)	Less than 56dB (at 198kHz)
	Less than 52dB (at 288kHz)
Signal to Noise Ratio:	More than 30dB
Distortion:	Less than 3.0% (at 198kHz)
(Input 80dB)	

< CASSETTE SECTION > (VSC/GSC)

Tape speed:	3000Hz+3%-2%
Wow & flutter:	Less than 0.35% (JIS RMS)
S/N ratio:	More than 35dB
Distortion:	Less than 3.0% (PB)
Noise (PB):	Less than 1mV
	(DC, MIN)
	Less than 1.2mV (AC, MIN)
Erasing Ratio (W/O FILTER):	More than 45dB

IC DESCRIPTION

IC, LA9241ML

Pin No.	Pin Name	I/O	Description
1	FIN2	I	Pin to which external pickup photo diode is connected. RF signal is created by adding with the FIN1 pin signal. FE signal is created by subtracting from the FIN1 pin signal.
2	FIN1	I	Pin to which external pickup photo diode is connected.
3	E	I	Pin to which external pickup photo diode is connected. TE signal is created by subtracting from the F pin signal.
4	F	I	Pin to which external pickup photo diode is connected.
5	TB	I	DC component of the TE signal is input.
6	TE	I	Pin to which external resistor setting the TE signal gain is connected between the TE pin.
7	TE	O	TE signal output pin.
8	TESI	I	TES “Track Error Sense” comparator input pin. TE signal is passed through a band pass filter then input.
9	SCI	I	Shock detection signal input pin.
10	TH	I	Tracking gain time constant setting pin.
11	TA	O	TA amplifier output pin.
12	TD	I	Pin to which external tracking phase compensation constants are connected between the TD and VR pins.
13	TD	I	Tracking phase compensation setting pin.
14	JP	I	Tracking jump signal (kick pulse) amplitude setting pin.
15	TO	O	Tracking control signal output pin.
16	FD	O	Focusing control signal output pin.
17	FD	I	Pin to which external focusing phase compensation constants are connected between the FD and FA pins.
18	FA	I	Pin to which external focusing phase compensation constants are connected between the FD and FA pins.
19	FA	I	Pin to which external focusing phase compensation constants are connected between the FA and FE pins.
20	FE	O	FE signal output pin.
21	FE	I	Pin to which external FE signal gain setting resistor is connected between the FE pin.
22	AGND		Analog signal GND.
23	NC		No connection.
24	SP	O	Signal ended output of the CV+ and CV pin input signal.
25	SPG	I	Pin to which external spindle gain setting resistor in 12 cm mode is connected.
26	SP	I	Pin to which external spindle phase compensation constants are connected together with SPD pin.
27	SPD	O	Spindle control signal output pin.
28	SLEQ	I	Pin to which external sled phase compensation constants are connected.
29	SLD	O	Sled control signal output pin.
30, 31	SL , SL+	I	Sled advance signal input pin from microprocessor.
32, 33	JP , JP+	I	Tracking jump signal input pin from DSP.
34	TGL	I	Tracking gain control signal input from DSP. Low gain when TGL = H.
35	TOFF	I	Tracking off control signal input pin from DSP. Off when TOFF = H.

Pin No.	Pin Name	I/O	Description
36	TES	O	Pin from which TES signal is output to DSP.
37	HFL	O	“High Frequency Level” is used to judge whether the main beam position is on top of bit or on top of mirror.
38	SLOF	I	Sled servo off control input pin.
39, 40	CV , CV+	I	CLV error signal input pin from DSP.
41	RFSM	O	RF output pin.
42	RFS-	I	RF gain setting and EFM signal 3T compensation constant setting pin together with RFSM pin.
43	SLC	O	“Slice Level Control” is the output pin which controls the RF signal data slice level by DSP.
44	SLI	I	Input pin which control the data slice level by the DSP.
45	DGND		Digital system GND.
46	FSC	O	Output pin to which external focus search smoothing capacitor is connected.
47	TBC	I	“Tracking Balance Control” EF balance variable range setting pin.
48	NC		No connection.
49	DEF	O	Disc defect detector output pin.
50	CLK	I	Reference clock input pin. 4.23 MHz of the DSP is input.
51	CL	I	Microprocessor command clock input pin.
52	DAT	I	Microprocessor command data input pin.
53	CE	I	Microprocessor command chip enable input pin.
54	DRF	O	“Detect RF” RF level detector output.
55	FSS	I	“Focus Search Select” focus search mode (± search/+ search) select pin.
56	VCC2		Servo system and digital system Vcc pin.
57	REFI		Pin to which external bypass capacitor for reference voltage is connected.
58	VR	O	Reference voltage output pin.
59	LF2	I	Disc defect detector time constant setting pin.
60	PH1	I	Pin to which external capacitor for RF signal peak holding is connected.
61	BH1	I	Pin to which external capacitor for RF signal bottom holding is connected.
62	LDD	O	APC circuit output pin.
63	LDS	I	APC circuit input pin.
64	VCC1		RF system Vcc pin.

IC, LC78622ED

Pin No.	Pin Name	I/O	Description	
1	DEFI	I	Defect sense signal (DEF) input pin. (Connect to 0V when not used).	
2	TAI	I	For PLL.	Test signal input pin with built in pull down resistor. Be sure to connect to 0V.
3	PDO	O		Phase comparator output pin to control external VCO.
4	VVSS			GND pin for built in VCO. Be sure to connect to 0V.
5	ISET	I		Pin to which external resistor adjusting the PD0 output current.
6	VVDD			Power supply pin for built in VCO.
7	FR	I		Pin for VCO frequency range adjustment.
8	VSS		Digital system GND. Be sure to connect to 0V.	
9	EFMO	O	For slice level control.	EFM signal output pin.
10	EFMIN	I		EFM signal input pin.
11	T2	I	Test signal input pin with built in pull down resistor. Be sure to connect to 0V.	
12, 13	CLV+, CLK	O	Disc motor control output. Three level output is possible using command.	
14	V/P	O	Rough servo or phase control automatic selection monitoring output pin. Rough servo at H. Phase servo at L.	
15	HFL	I	Track detect signal input pin. Schmidt input.	
16	TES	I	Tracking error signal input pin. Schmidt input.	
17	TOFF	O	Tracking OFF output pin.	
18	TGL	O	Tracking gain selection output pin. Gain boost at L.	
19, 20	JP+, JP	O	Track jump control signal output pin. Three level output is possible using command.	
21	PCK	O	EFM data playback clock monitoring pin 4.3218 MHz when phase is locked in.	
22	FSEQ	O	Sync signal detection output pin. H when the sync signal which is detected from EFM signal and thesync signal which is internally generated agree.	
23	VDD		Digital system power supply pin.	
24	SL+	O	Moves the sled to outer circumference.	
25	SL	O	Moves the sled to inner circumference.	
26			Not connected.	
27	PUIN	I	CD pickup inner switch detection.	
28	RW	O	Read, wright signal.	
29	EMPH	O	De emphasis monitor output pin. De emphasis disc is being played back at H.	
30	C2F	O	C2 flag output pin.	
31	DOUT	O	DIGITAL OUT output pin. (EIAJ format).	
32, 33	T3, T4	I	Test signal input pin with built in pull down resistor. Be sure to connect to 0V.	
34	N.C.		Not used. Set the pin to open.	
35	MUTEL	O	L channel 1 bit DAC.	L channel mute output pin.
36	LVDD			L channel power supply pin.
37	LCHO	O		L channel output pin.
38	LVSS			L channel GND. Be sure to connect to 0V.
39	RVSS		R channel 1 bit DAC.	R channel GND. Be sure to connect to 0V.
40	RCHO	O		R channel output pin.
41	RVDD			R channel power supply pin.
42	MUTER	O		R channel mute output pin.

Pin No.	Pin Name	I/O	Description
43	XVDD		Crystal oscillator power supply pin.
44	XOUT	O	Pin to which external 16.9344 MHz crystal oscillator is connected.
45	XIN	I	
46	XVSS		Crystal oscillator GND pin. Be sure to connect to 0V.
47	SBSY	O	Subcode block sync signal output pin.
48	EFLG	O	C1, C2, single and dual correction monitoring pin.
49	PW	O	Subcode P, Q, R, S, T, U and W output pin.
50	SFSY	O	Subcode frame sync signal output pin. Falls down when subcode enters standby.
51	SBCK	I	Subcode read clock input pin. Schmidt input. (Be sure to connected to 0V when not in use.)
52	FSX	O	Pin outputting the 7.35 kHz sync signal which is generated by dividing frequency of crystal oscillator.
53	WRQ	O	Subcode Q output standby output pin.
54	RWC	I	Read/write control input pin. Schmidt input.
55	SQOUT	O	Subcode Q output pin.
56	COIN	I	Command input pin from microprocessor.
57	$\overline{\text{CQCK}}$	I	Command input read clock or subcode read input clock from SQOUT pin
58	RES	I	LC78622 reset input pin. Set this pin to L once when the main power is turned on.
59	T11	O	Test signal output pin. Use this pin as open (normally L output).
60	16M	O	16.9344 MHz output pin.
61	4.2M	O	4.2336 MHz output pin.
62	T5	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.
63	$\overline{\text{CS}}$	I	Chip select signal input pin with built-in pull-down resistor. Be sure to connect to 0V while it is not controlling.
64	T1	I	Test signal input pin without built-in pull-down resistor. Be sure to connect to 0V.

IC, LC865516A-5P16

Pin No.	Pin Name	I/O	Description
1	$\overline{\text{SEG E}}$	O	SEG E control.
2	$\overline{\text{SEG F}}$	O	SEG F control.
3	$\overline{\text{SEG G}}$	O	SEG G control.
4	NC		Not connected.
5	I RES	I	Micro processor reset input
6	XT(IN)	I	Connected to an external 32.768 kHz crystal oscillator.
7	NC		Not connected.
8	XT2(OUT)	O	Connected to an external 32.768 kHz crystal oscillator.
9	VSS		GND.
10	CF1(IN)	I	Connected to an external 5.76 MHz ceramic filter.
11	CF2(OUT)	O	Connected to an external 5.76 MHz ceramic filter.
12	VDD		Microprocessor power supply (+5V).
13	I KEY0	I	Key AD input. (AD)
14	I KEY1	I	Key AD input. (AD)
15	I MOTOR	I	Deck status input. (AD)
16	I CD SW	I	CD door switch status input.
17	O SHIFT	O	Main clock shift output.
18	NC		Not connected.
19	O BASS LED	O	BASS LED ON/OFF control output. (Not connected)
20	O QS LED	O	Q sound LED ON/OFF control output. (Not connected)
21	O SFT LED		Not connected.
22	I DRF	I	CD RF level detection input.
23	I WRQ	I	CD subcode Q standby input.
24	NC		Not connected.
25	I REM		Remote control input.
26	O CD ON	O	CD power control output.
27	O TU ON	O	TU power control output.
28	O P.CONT	O	The main power supply control output.
29	NC		Not connected.
30	O BEAT	O	Beat control.
31	O MUTE	O	Main mute output.
32	O DIGIT	O	7 segment LED power supply control output.
33	O SEG RPEAT	O	REPEAT LED ON/OFF control output.
34	O COIN	O	CD command output.
35	I SQOUT	I	CD subcode Q input.
36	O CQCK	O	CD command/CLK for subcode.
37	O WRC	O	CD read/write control output.
38	O DATA	O	Data output to M62349FP.
39	O CD LED	O	LED ON/OFF control output for the CD function.
40	O TU LED	O	LED ON/OFF control output for the TU function.
41	O TA LED	O	LED ON/OFF control output for the TA function. (Not connected)

Pin No.	Pin Name	I/O	Description
42	NC		Not connected.
43	$\overline{\text{SEG DP}}$	O	SEG DP control.
44	$\overline{\text{SEG A}}$	O	SEG A control.
45	$\overline{\text{SEG B}}$	O	SEG B control.
46	$\overline{\text{SEG C}}$	O	SEG C control.
47	$\overline{\text{SEG D}}$	O	SEG D control.
48	NC		Not connected.

MECHANICAL PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

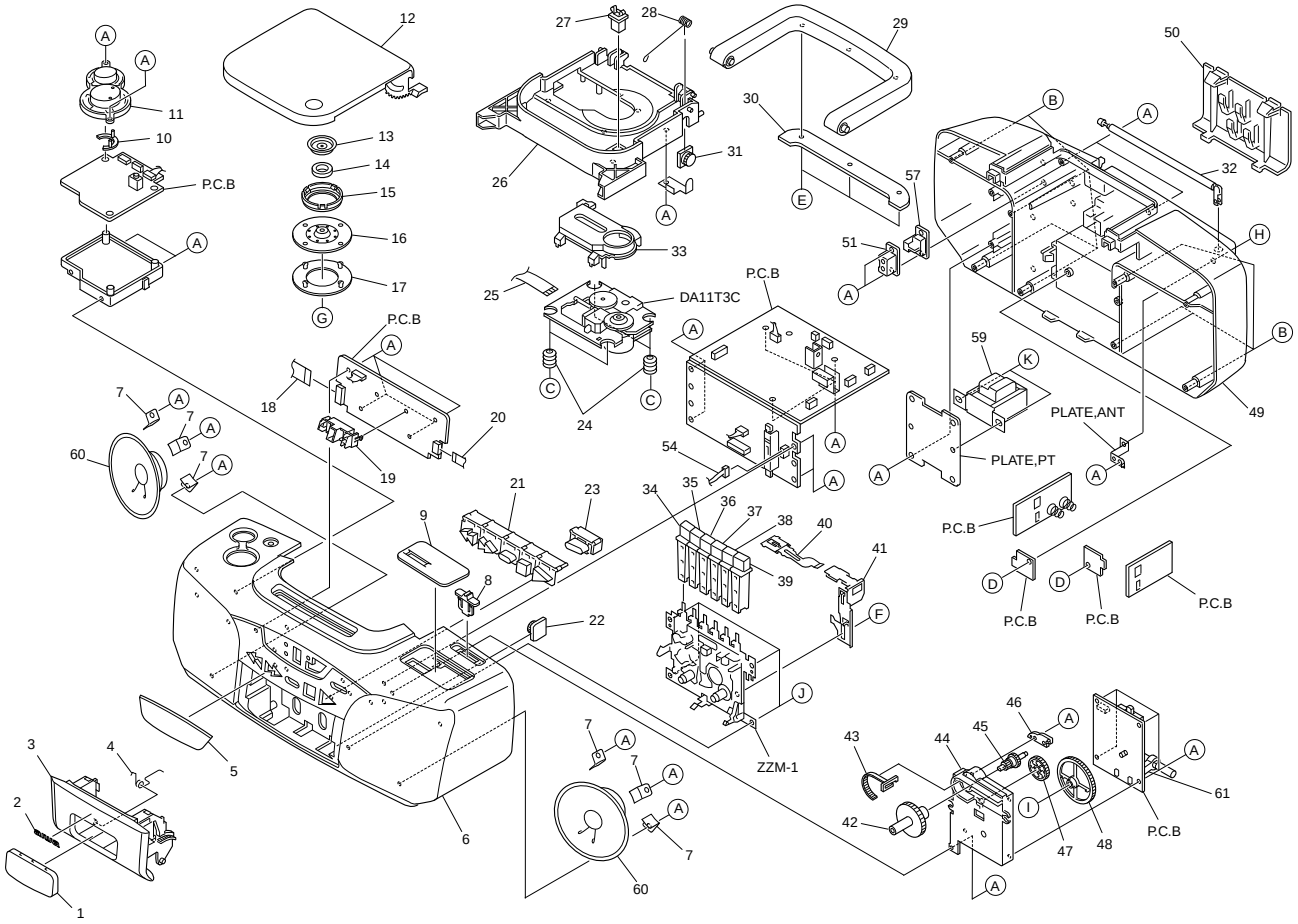
REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-CDA-062-010		WINDOW,CASS D
2	87-B00-010-010		BADGE,AIWA 30.5-5.2 S 2.5L
3	8A-CDA-003-110		LID,CASS
4	8A-CDA-212-010		SPR-T,CASS
5	8A-CDA-042-010		WINDOW,LED LOW LH
6	8A-CDA-036-110		CABI ASSY,FRONT LOW EZ<GSC>
6	8A-CDA-177-110		CABI ASSY,FRONT V<VSC>
7	8A-CDA-206-010		HLDR,SPKR
8	8A-CDA-059-110		KNOB,SL BAND EZ
9	8A-CDA-045-010		WINDOW,TU EZ<GSC>
9	8A-CDA-178-110		WINDOW,TU V<VSC>
10	8A-CDA-007-010		LENS,LED
11	8A-CDA-019-110		KEY,VOL
12	8A-CDA-061-210		LID,CD D
13	8A-CDA-213-010		COVER, CHUCK
14	87-036-368-010		MAGNET
15	8A-CDA-207-110		HLDR,CHUCK
16	8A-CDA-150-010		BASE,CHUCK F/M
17	88-CD9-211-210		RING,CHUCK
18	8A-CDA-620-010		FF-CABLE,16P FR-MAIN
19	8A-CDA-208-110		HLDR,LED
20	8A-CDA-622-010		FF-CABLE,8P CD-FR
21	8A-CDA-016-110		KEY,CD
22	87-063-165-010		OIL-DMPR 150
23	8A-CDA-017-110		KEY,MODE
24	88-CH6-220-010		CUSHION,CD A
25	8A-CDA-621-010		FF-CABLE,16P CD-RF
26	8A-CDA-012-110		CHAS,CD
27	87-036-389-010		SW,PUSH LOCK
28	8A-CDA-211-010		SPR-T,CD
29	8A-CDA-010-210		HANDL,ARM
30	8A-CDA-011-110		HANDL,COVER
31	87-NF8-220-010		DMPR,150
32	87-A91-857-010		ANT,ROD 5SEC709
33	8Z-CDB-169-010		PANEL,CD SANYO
34	8A-CDA-027-110		KEY,PAUSE
35	8A-CDA-026-110		KEY,STOP
36	8A-CDA-025-110		KEY,FF
37	8A-CDA-024-110		KEY,REW
38	8A-CDA-023-110		KEY,PLAY
39	8A-CDA-022-110		KEY,REC
40	8A-CDA-221-010		SPR-P,REC
41	8A-CDA-220-010		PLATE,REC
42	8A-CDA-021-110		KNOB,RTRY TU
43	8A-CDA-013-010		POINTER,TU
44	8A-CDA-201-110		HLDR,TU
45	8A-CDA-216-110		GEAR,TU B
46	8A-CDA-203-110		GUIDE,GEAR
47	8A-CDA-202-110		GEAR,RELAY
48	8A-CDA-215-110		DRUM,TU
49	8A-CDA-037-110		CABI,REAR LOW
50	8A-CDA-005-110		LID,BATT
51	8Z-CD5-634-010		COVER,AC SOCKET
54	8A-CDA-633-010		CONN ASSY,4P SP
⚠ 57	87-A60-178-010		JACK,AC E W/SW
⚠ 59	8A-CDA-612-010		PT,E 2.5W
60	8A-CH4-682-010		SPKR,10- 7OHM
61	88-CD6-661-010		HLDR,BAR ANT.
A	87-721-096-410		QT2+3-10 GLD
B	87-751-104-410		VT2+3-30
C	8A-CK4-223-010		S-SCREW,CD
D	87-751-097-410		SCREW 3X12
E	87-751-076-410		SCREW 2.6-12
F	8A-CDA-222-010		S-SCREW,CASS+2.6-4
G	87-253-033-110		SCREW,U+2-4
H	87-253-097-410		U+3-12 BLK
I	87-261-073-410		V+2.6-6
J	87-751-096-410		VT2+3-10 GLD
K	87-723-074-410		QT2+2.6-8 W/O SLOT BLK

Note: No.52, 53, 55, 56 & 58 is not used.

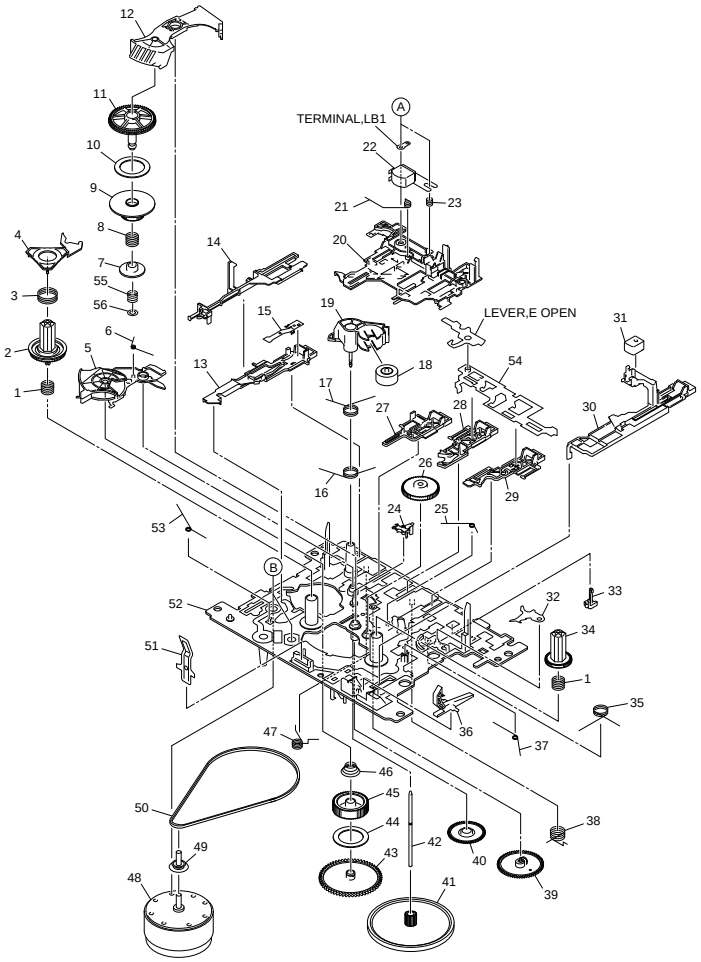
COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink

MECHANICAL EXPLODED VIEW 1/1



TAPE MECHANISM EXPLODED VIEW 1/1

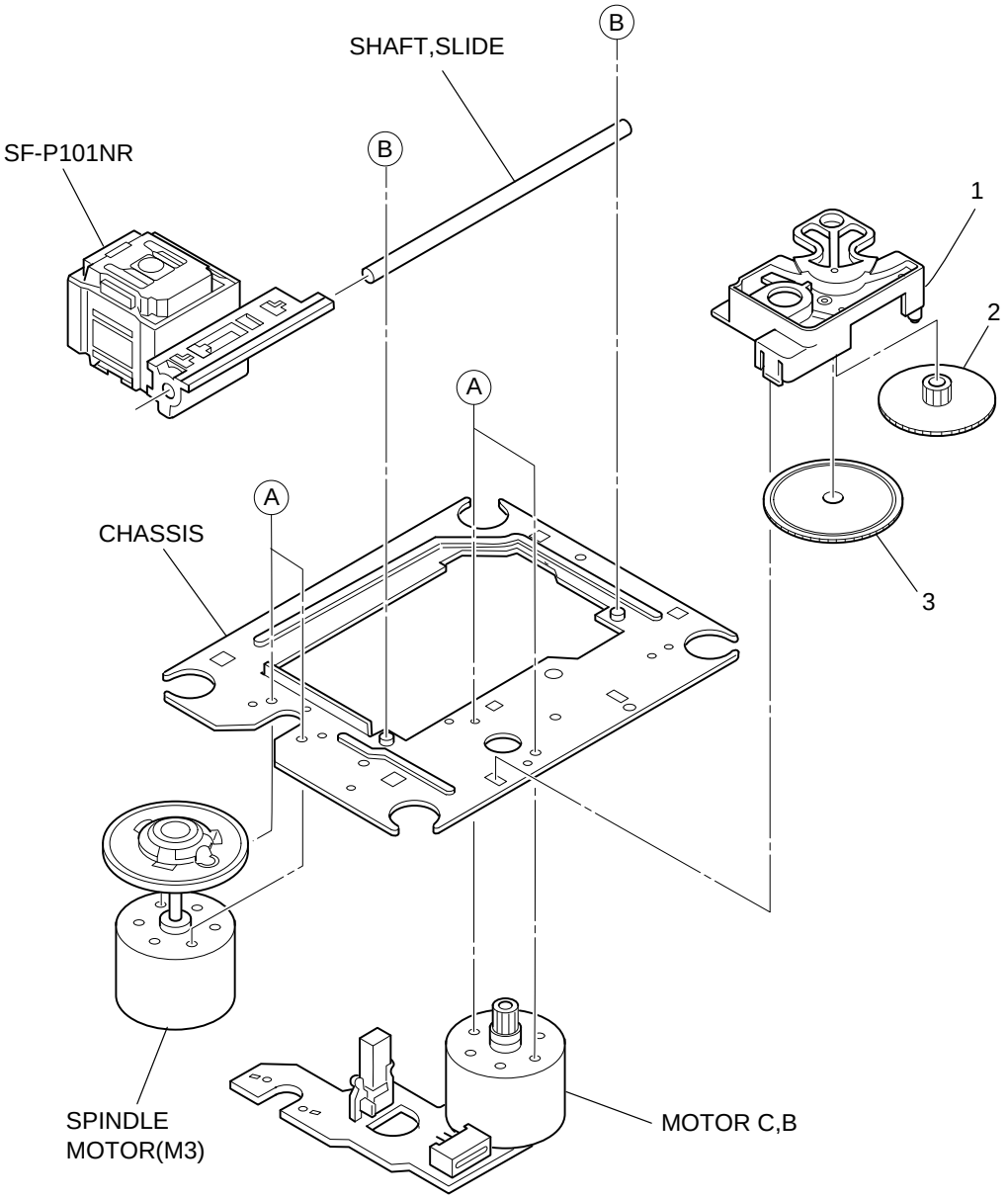


TAPE MECHANISM PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF NO	PART NO	KANRI NO	DESCR PTION
1	8Z-ZM1-254-210		SPR-C,REEL R
2	8Z-ZM1-225-110		GEAR,REEL R
3	8Z-ZM1-253-110		SPR-C,AUTO SENSOR
4	8Z-ZM1-217-110		LEVER,AUTO SENSOR
5	8Z-ZM1-212-110		LEVER,T-UP
6	8Z-ZM1-245-010		SPR-T,AUTO
7	8Z-ZM1-236-010		CLR,SLIP FF/REW
8	8Z-ZM1-252-010		SPR-C,FF/REW
9	8Z-ZM1-230-010		GEAR,SLIP FF/REW A
10	8Z-ZM1-266-010		FELT,FF/REW
11	8Z-ZM1-231-010		GEAR,SLIP FF/REW B
12	8Z-ZM1-213-010		LEVER,FF/REW
13	8Z-ZM1-209-110		LEVER,PAUSE
14	8Z-ZM1-222-010		LEVER,E-LOCK M
15	8Z-ZM1-256-010		SPR-P,PAUSE
16	8Z-ZM1-244-010		SPR-T,T-UP
17	8Z-ZM1-247-210		SPR-T,PINCH
18	8Z-ZM1-261-110		ROLLER ASSY,PINCH
19	8Z-ZM1-221-010		LEVER,PINCH
20	8Z-ZM1-205-210		LEVER,PLAY
21	8Z-ZM1-248-010		SPR-T,BRG
22	87-A90-403-110		HEAD,RPH MS15R
23	84-ZM2-227-310		SPR-C,AZIMUTH
24	8Z-ZM1-216-010		LEVER,AUTO
25	8Z-ZM1-246-010		SPR-T,AUTO 2
26	8Z-ZM1-233-010		GEAR,IDL REW
27	8Z-ZM1-208-010		LEVER,STOP
28	8Z-ZM1-207-010		LEVER,FF
29	8Z-ZM1-206-010		LEVER,REW
30	8Z-ZM1-211-110		LEVER,REC 2
31	87-A91-533-010		HEAD,EH PH-K380
32	8Z-ZM1-215-010		LEVER,REC LOCK
33	87-A91-492-010		SW,LEAF MSW18560
34	8Z-ZM1-226-010		GEAR,REEL L
35	8Z-ZM1-241-010		SPR-T,PLAY
36	8Z-ZM1-220-010		LEVER,REC SENSOR
37	8Z-ZM1-249-010		SPR-T,FR
38	8Z-ZM1-242-110		SPR-T,FF/REW
39	8Z-ZM1-229-010		GEAR,CAM
40	8Z-ZM1-232-010		GEAR,IDL FF/REW
41	8Z-ZM1-234-010		FLY-WHL,ZZM-1
42	8Z-ZM1-267-010		SHAFT,CAPSTAN 2
43	8Z-ZM1-228-010		GEAR,SLIP T-UP B
44	8Z-ZM1-265-010		FELT,T-UP
45	8Z-ZM1-227-010		GEAR,SLIP T-UP A
46	8Z-ZM1-251-110		SPR-C,T-UP SLIP
47	8Z-ZM1-243-210		SPR-T,STOP/PAUSE
48	87-A91-531-010		MOT,MS15C2L
49	8Z-ZM1-271-010		PULLEY,MOT ZZM-1
50	8Z-ZM1-264-010		BELT,MAIN S
51	8Z-ZM1-260-010		SPR-P,CASETTE
52	8Z-ZM1-201-310		CHAS ASSY,ZZM-1
53	8Z-ZM1-255-110		SPR-T,E-LOCK
54	8Z-ZM1-214-010		LEVER,LOCK
55	8Z-ZM1-257-110		SPR-C,F/R
56	8Z-ZM1-275-010		W-L,1.47-4-0.25
A	84-ZM2-242-010		S-SCREW,AZ1-2-6.4
B	8Z-ZM1-270-110		V+2.6 ZZM-1

CD MECHANISM EXPLODED VIEW 1/1



CD MECHANISM PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	S2-121-A28-400		COVER GEAR
2	S2-511-A21-000		GEAR MIDDLE
3	S2-511-A21-100		GEAR,DRIVE
A	S1-PN2-03R-OSE		SCR PAN PCS 2-3
B	87-261-073-410		SCR S-TPG FLT 2.6-6
ALL	M8-ZZK-E90-070		DA11T3C

アイワ株式会社 〒110-8710 東京都台東区池之端1-2-11 ☎03(3827)3111 (代表)
AIWA CO.,LTD. 2–11, IKENOHATA 1–CHOME, TAITO-KU, TOKYO 110, JAPAN TEL:03 (3827) 3111

H251701 Printed in Singapore