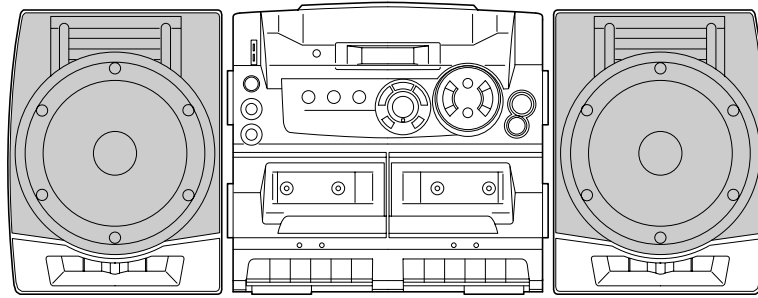


CA-DW540 LH(ST)



SERVICE MANUAL

COMPACT DISC CARRY
COMPONENT SYSTEM

BASIC TAPE MECHANISM: ZZM-2 PR3NC1
BASIC CD MECHANISM: KSM-213CDM

This Service Manual is "Revision Publishing " and replaces "Simple Manual (S/M Code No. 09-02C-456-4T3).

aiwa
S/M Code No. 09-02B-456-4R3

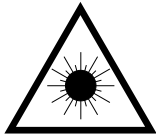
REVISION
DATA

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



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

VAROITUS!

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

WARNING!

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

CAUTION

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

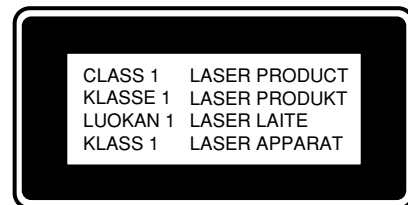
ATTENTION

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

ADVARSEL!

Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er 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.

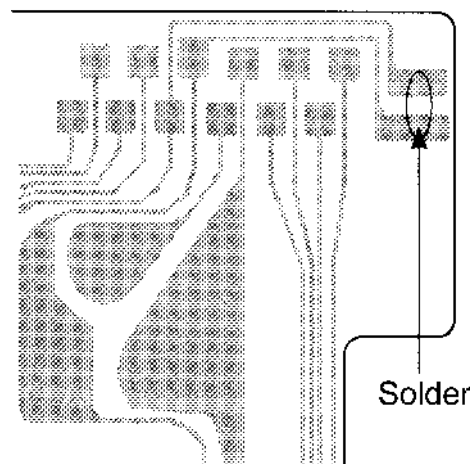


Precaution to replace Optical block (KSS-213C)

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.

PICK-UP Assy PWB



SPECIFICATIONS -1/1

Tuner section

Frequency range, antenna	FM: 87.5 - 108.0 MHz Rod antenna AM: 530/531 - 1,710/1,602 kHz (10/9 kHz step) Ferrite bar antenna.
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Deck section

Track format	4 tracks, 2 channels
Frequency range	Normal tape: 50 - 12,000 Hz (EIAJ)
Recording system	AC bias
Erasing system	Magnet erase
Heads	Deck 1: Recording/playback head (1) Erasure head (1) Deck 2: Playback head (1)

CD player section

Disc	Compact disc
Scanning method	Non-contact optical scanner (semiconductor laser)
Rotation speed	Approx. 500 - 200 rpm/CLV
Error correction	Cross interleave, Reed, Solomon code
Number of channels	2 channels
D/A conversion	1 bit DAC

General

Power requirements	DC 12 V using eight size D (R20) batteries AC 110-120 V/ 220-240 V switchable 50/60Hz
Dimensions (W x H x D)	274 x 246 x 260 mm
Weight	3.4 kg (excluding batteries)
Power output	5 W + 5 W (JEITA, 2.7 ohms DC) 3.5 W + 3.5 W (DIN 1% Rated Power)
Power consumption	27 W

Speaker

Type	120 mm cone type
Dimensions (W x H x D)	185 x 234 x 240 mm
Weight	Approx. 1.3 kg x 2
Impedance	2.7 ohms
Allowable max. input	7 W

- Specifications and external appearance are subject to change without notice.

ACCESSORIES PARTS LIST -1/1

! = ⚠ SAFETY PARTS
C = Components marked

All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					CA-DW540
					LHSTC
	O	AS1001	SF-440-466-00L	IB LH(ESP) FM DW540	a
	O	AS1002	8Z-CK4-962-110	REM CONT RC-ZAT04	a
	!	O AS1003	SW-A18-0E1-79X	AC CORD LH	a
	!	O AS1004	87-A91-017-010	PLUG CONVERSION JT-0476	a

ELECTRICAL PARTS LIST - 1/10

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
CA-DW540 LHSTC					
FRONT	O C	0601	87-010-313-080	CHIP.CAP,S 18P/50V (J) CH TP=	a
FRONT	O C	0602	87-010-315-080	CHIP.CAP,S 27P/50V (J) CH TP=	a
FRONT	O C	0603	87-010-317-080	CHIP.CAP,S 39P/50V (J) CH	a
FRONT	X C	0604	SC-CCJ-G80-60S	CHIP CAP 6P/50V	a
FRONT	O C	0605	87-010-314-080	CHIP CAP 22P/50V (J) CH TP=8	a
FRONT	X C	0606	SC-CFZ-EF1-05S	CHIP CAP (1206) 1UF/25V (F) Z	a
FRONT	X C	0607	SC-CFZ-E81-03S	CHIP CAP 0.01U/25V (Z) F	a
FRONT	O C	0608	87-016-669-080	CHIP.CAP,S 0.1U/25V (K) B	a
FRONT	O C	0609	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
FRONT	O C	0610	SC-ESM-CS1-01D	ELEC CAP 100UF/10V (M) SME TP	a
CA-DW540 LHSTC					
FRONT	O C	0611	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
FRONT	O C	0612	SC-ESM-CS4-71D	ELEC CAP 470u/10V (M) SME TP=	a
FRONT	O C	0613	SC-ESM-GS2-R2D	ELEC CAP 2.2u/50V (M) SME TP=	a
FRONT	O C	0614	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
FRONT	O C	0615	SC-ESM-GSR-47D	ELEC CAP 0.47U/50V (M) SME	a
FRONT	O C	0616	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
FRONT	X C	0617	SC-CBK-G81-22S	CHIP CAP S 1200P/50V (K) B TP	a
FRONT	O C	0618	SC-ESM-CS1-01D	ELEC CAP 100UF/10V (M) SME TP	a
FRONT	O C	0830	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
FRONT	X C	0831	SC-CFZ-E81-03S	CHIP CAP 0.01U/25V (Z) F	a
CA-DW540 LHSTC					
FRONT	O C	0832	87-010-181-080	CHIP CAP 1800P/50V (K) B TP=8	a
FRONT	O C	0833	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
FRONT	O C	0834	SC-ESM-GS4-R7D	ELEC CAP 4.7u/50V (M) SME TP=	a
FRONT	O C	0835	SC-ESM-GSR-10D	ELEC CAP 0.1uF/50V (M) SME TP	a
FRONT	O C	0836	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
FRONT	O C	0837	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
FRONT	O C	0838	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
FRONT	O C	0839	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
FRONT	O C	0840	SC-ESM-CS4-71D	ELEC CAP 470u/10V (M) SME TP=	a
FRONT	O C	0841	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
CA-DW540 LHSTC					
FRONT	O C	0842	87-012-140-080	CHIP.CAP,S 470P/50V (J) CH TP	a
FRONT	O C	0844	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
FRONT	O C	6003	SC-ESM-CS1-01D	ELEC CAP 100UF/10V (M) SME TP	a
FRONT	O C	6004	87-010-198-080	CHIP CAP S 0.022U/25V (K) B T	a
FRONT	O C	6008	87-010-198-080	CHIP CAP S 0.022U/25V (K) B T	a
FRONT	O C	6009	87-010-198-080	CHIP CAP S 0.022U/25V (K) B T	a
FRONT	O C	6011	87-010-198-080	CHIP CAP S 0.022U/25V (K) B T	a
FRONT	O C	6012	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
FRONT	O CN	0601	87-A60-109-010	CONNECTOR BASE 2P V (S2M-2W)	a
FRONT	O CN	0602	SW-CAI-247-030	CONNECTOR ASS'Y 3P	a
CA-DW540 LHSTC					
FRONT	O CON	0601	8Z-CT9-641-010	CONNECTOR ASS'Y 2P	a
FRONT	S D	0601	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
FRONT	S D	0602	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
FRONT	S D	0611	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
FRONT	S D	0612	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
FRONT	S D	0615	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
FRONT	S D	0616	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
FRONT	S D	0623	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
FRONT	S D	0625	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
FRONT	S D	0626	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
CA-DW540 LHSTC					
FRONT	S D	0630	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
FRONT	S D	0820	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
FRONT	S D	0821	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
FRONT	S D	0822	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
FRONT	S IC	0601	8B-CT5-625-010	IC LC867132V5T98	a
FRONT	O J	0251	8A-CT9-630-010	JACK W/SW MICST	a
FRONT	O J	0801	8A-CT9-630-010	JACK W/SW MICST	a
FRONT	O JW	0633	87-003-097-080	FIXED IND 1.0UH (K) TP=26mm	a
FRONT	O L	0601	SL-A4K-0T4-70B	FIXED IND 47 uH (K) T26	a
FRONT	O L	0602	87-008-372-080	BEADS CORE (BLO1RN1-A63.T6) T	a
CA-DW540 LHSTC					
FRONT	O L	0604	87-003-152-080	FIXED IND 100UH	a
FRONT	O L	0801	87-008-372-080	BEADS CORE (BLO1RN1-A63.T6) T	a
FRONT	O LCD	0601	SV-LOR-YP0-46Y	LCD	a
FRONT	S Q	0601	SK-RC1-08M-000	D TRANSISTOR KRC108M AT	a
FRONT	S Q	0602	SB-R2S-A93-3AS	TR 2SA933-R	a
FRONT	S Q	0603	SK-RC1-08M-000	D TRANSISTOR KRC108M AT	a
FRONT	S Q	0605	87-026-464-080	D TRANSISTOR KRC111M AT	a
FRONT	S Q	0612	87-026-464-080	D TRANSISTOR KRC111M AT	a
FRONT	S Q	0616	SK-RC1-08M-000	D TRANSISTOR KRC108M AT	a
FRONT	S Q	0820	87-026-610-080	TRANSISTOR KTC3198GR AT	a
CA-DW540 LHSTC					
FRONT	S Q	0821	89-322-405-080	TR 2SC2240GR TP	a
FRONT	S Q	0822	87-026-610-080	TRANSISTOR KTC3198GR AT	a
FRONT	S Q	0823	SK-RC1-08M-000	D TRANSISTOR KRC108M AT	a
FRONT	S Q	0824	SB-R2S-C17-40S	TR 2SC1740-R	a
FRONT	X R	0279	88-118-181-080	CHIP RES 1/10W (J) 180ohm TP=	a
FRONT	X R	0280	88-118-181-080	CHIP RES 1/10W (J) 180ohm TP=	a
FRONT	X R	0601	88-118-821-080	CHIP RES 1/10W (J) 820ohm TP=	a
FRONT	O R	0602	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
FRONT	X R	0603	88-118-474-080	CHIP RES,S 1/10W (J) 470Kohm	a
FRONT	X R	0604	SR-ATJ-603-34X	CARBON RES 1/6W(J) 330kohm TP	a

ELECTRICAL PARTS LIST - 2/10

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
CA-DW540 LHSTC					
FRONT	O R	0605	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
FRONT	O R	0606	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP	= a
FRONT	O R	0607	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
FRONT	X R	0611	SR-ATJ-602-72X	CARBON RES 1/6W (J) 2.7Kohm T	a
FRONT	O R	0612	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT	O R	0613	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT	O R	0614	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT	O R	0615	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT	O R	0616	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT	O R	0617	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
CA-DW540 LHSTC					
FRONT	O R	0618	88-121-102-080	CARBON RES 1/6W (J) 1Kohm TP	= a
FRONT	O R	0620	88-121-102-080	CARBON RES 1/6W (J) 1Kohm TP	= a
FRONT	X R	0621	SR-ATJ-602-72X	CARBON RES 1/6W (J) 2.7Kohm T	a
FRONT	O R	0622	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP	=8 a
FRONT	O R	0627	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP	=8 a
FRONT	X R	0628	88-118-821-080	CHIP RES 1/10W (J) 820ohm TP	= a
FRONT	O R	0629	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP	=8 a
FRONT	X R	0630	88-118-122-080	CHIP RES 1/10W (J) 1.2Kohm TP	a
FRONT	X R	0631	88-118-152-080	CHIP RES 1/10W (J) 1.5Kohm T	a
FRONT	O R	0632	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP	=8 a
CA-DW540 LHSTC					
FRONT	X R	0633	88-118-122-080	CHIP RES 1/10W (J) 1.2Kohm TP	a
FRONT	X R	0634	88-118-152-080	CHIP RES 1/10W (J) 1.5Kohm T	a
FRONT	O R	0635	88-118-182-080	CHIP RES 1/10W (J) 1.8Kohm TP	a
FRONT	X R	0637	88-118-152-080	CHIP RES 1/10W (J) 1.5Kohm T	a
FRONT	O R	0638	88-118-182-080	CHIP RES 1/10W (J) 1.8Kohm TP	a
FRONT	O R	0640	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP	=8 a
FRONT	X R	0641	88-118-821-080	CHIP RES 1/10W (J) 820ohm TP	= a
FRONT	O R	0642	88-121-102-080	CARBON RES 1/6W (J) 1Kohm TP	= a
FRONT	X R	0643	88-118-122-080	CHIP RES 1/10W (J) 1.2Kohm TP	a
FRONT	O R	0651	88-118-224-080	CHIP RES 1/10W (J) 220K ohm	a
CA-DW540 LHSTC					
FRONT	O R	0652	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP	= a
FRONT	X R	0653	88-118-152-080	CHIP RES 1/10W (J) 1.5Kohm T	a
FRONT	X R	0658	SR-ATJ-601-03X	CARBON RES 1/6W (J) 10Kohm TP	a
FRONT	O R	0659	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT	X R	0660	88-118-122-080	CHIP RES 1/10W (J) 1.2Kohm TP	a
FRONT	O R	0664	88-118-223-080	CHIP RES 1/10W (J) 22Kohm TP	a
FRONT	O R	0670	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP	=8 a
FRONT	X R	0672	88-118-000-080	CHIP JUMPER S 0805 TP=8mm	a
FRONT	O R	0673	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT	O R	0675	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP	=8 a
CA-DW540 LHSTC					
FRONT	O R	0676	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP	=8 a
FRONT	X R	0677	88-128-102-080	CHIP RESISTOR 1K 1/8W 1206	a
FRONT	O R	0680	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP	=8 a
FRONT	X R	0878	88-118-681-080	CHIP RES 1/10W (J) 680ohm TP	a
FRONT	O R	0879	88-118-224-080	CHIP RES 1/10W (J) 220K ohm	a
FRONT	X R	0880	88-118-222-080	CHIP RES 1/10W (J) 2.2Kohm TP	a
FRONT	X R	0881	88-118-474-080	CHIP RES,S 1/10W (J) 470Kohm	a
FRONT	O R	0882	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
FRONT	X R	0883	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP	= a
FRONT	X R	0884	88-118-333-080	CHIP RES 1/10W (J) 33Kohm TP	= a
CA-DW540 LHSTC					
FRONT	O R	0885	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
FRONT	X R	0886	88-118-474-080	CHIP RES,S 1/10W (J) 470Kohm	a
FRONT	X R	0887	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP	= a
FRONT	O R	0888	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP	= a
FRONT	O R	0889	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP	= a
FRONT	O R	0890	88-121-221-080	CARBON RES 1/6w (J) 220ohm T	= a
FRONT	X R	0891	88-118-334-080	CHIP RES 1/10W(J) 330Kohm TP	= a
FRONT	O R	0892	88-118-471-080	CHIP RES 1/10W (J) 470ohm TP	= a
FRONT	O R	6002	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP	=8 a
FRONT	O R	6003	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
CA-DW540 LHSTC					
FRONT	O R	6004	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT	O R	6011	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT	O R	6012	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT	O S	0602	SS-TS1-210-39X	TACT SW H=5.0mm 260g	a
FRONT	O S	0603	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT	O S	0604	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT	O S	0605	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT	O S	0606	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT	O S	0607	SS-TS1-210-39X	TACT SW H=5.0mm 260g	a
FRONT	O S	0608	87-A91-704-080	TACT SWITCH H=5.0mm	a
CA-DW540 LHSTC					
FRONT	O S	0609	SS-TS1-210-39X	TACT SW H=5.0mm 260g	a
FRONT	O S	0610	SS-TS1-210-39X	TACT SW H=5.0mm 260g	a
FRONT	O S	0611	SS-TS1-210-39X	TACT SW H=5.0mm 260g	a
FRONT	O S	0612	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT	O S	0613	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT	O S	0614	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT	O S	0615	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT	O S	0616	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT	O VR	0801	87-A90-768-010	ROTARY VOLUME 10KA V	a
FRONT	O X	0601	87-030-273-010	CD X'TAL 32.768KHZ	a

ELECTRICAL PARTS LIST - 3/10

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
CA-DW540 LHSTC					
FRONT	O X	0602	87-A70-395-010	CER.RESONATOR 5.76MHZ	a
MAIN	O C	0001	87-010-312-080	CHIP.CAP,S 15P/50V (J) CH TP=	a
MAIN	O C	0002	87-010-316-080	CHIP.CAP,S 33P/50V (J) CH TP=	a
MAIN	O C	0003	87-010-312-080	CHIP.CAP,S 15P/50V (J) CH TP=	a
MAIN	O C	0005	87-016-669-080	CHIP.CAP,S 0.1U/25V (K) B	a
MAIN	O C	0006	87-010-313-080	CHIP.CAP,S 18P/50V (J) CH TP=	a
MAIN	O C	0007	87-012-140-080	CHIP.CAP,S 470P/50V (J) CH TP	a
MAIN	O C	0008	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN	O C	0010	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	O C	0011	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
CA-DW540 LHSTC					
MAIN	O C	0012	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	X C	0013	SC-CCC-G80-50S	CHIP CAP 5P/50V 0805 CH (C)	a
MAIN	O C	0014	87-010-303-080	CHIP CAP 330P/50V (K) B	a
MAIN	O C	0015	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN	O C	0016	SC-ESM-CS4-70D	ELEC CAP 47U/10V (M) SME TP=5	a
MAIN	O C	0017	87-010-198-080	CHIP CAP S 0.022U/25V (K) B T	a
MAIN	X C	0018	SC-CBK-EF4-73S	CHIP CAP 0.047UF/25V (K) B 12	a
MAIN	O C	0019	SC-ESM-CS1-01D	ELEC CAP 100UF/10V (M) SME TP	a
MAIN	O C	0020	SC-ESM-GS4-R7D	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN	X C	0021	88-118-000-080	CHIP JUMPER S 0805 TP=8mm	a
CA-DW540 LHSTC					
MAIN	X C	0022	88-118-000-080	CHIP JUMPER S 0805 TP=8mm	a
MAIN	O C	0024	87-010-303-080	CHIP CAP 330P/50V (K) B	a
MAIN	O C	0025	87-A12-162-080	CHIP CAP 0.22U/25V (K) B	a
MAIN	O C	0027	87-010-805-080	CHIP.CAP,S 1UF/16V (Z) F TP=8	a
MAIN	O C	0028	87-016-669-080	CHIP.CAP,S 0.1U/25V (K) B	a
MAIN	O C	0029	87-016-669-080	CHIP.CAP,S 0.1U/25V (K) B	a
MAIN	X C	0030	SC-CBK-E82-73S	CHIP CAP 0.027UF/25V (K) B TP	a
MAIN	X C	0031	SC-CBK-E82-73S	CHIP CAP 0.027UF/25V (K) B TP	a
MAIN	O C	0033	87-015-610-080	CHIP CAP 0.47UF/25V (Z) F	a
MAIN	O C	0034	87-015-610-080	CHIP CAP 0.47UF/25V (Z) F	a
CA-DW540 LHSTC					
MAIN	O C	0035	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	O C	0036	SC-ESM-CS1-01D	ELEC CAP 100UF/10V (M) SME TP	a
MAIN	O C	0037	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	O C	0038	SC-ESM-CS1-01D	ELEC CAP 100UF/10V (M) SME TP	a
MAIN	O C	0039	SC-ESM-GS4-R7D	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN	O C	0040	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	O C	0041	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN	O C	0042	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN	O C	0043	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN	X C	0044	SC-CCJ-G81-20S	CHIP CAP.S 12P/50V (J) CH	a
CA-DW540 LHSTC					
MAIN	O C	0045	87-010-312-080	CHIP.CAP,S 15P/50V (J) CH TP=	a
MAIN	O C	0046	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	O C	0047	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	O C	0048	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	O C	0049	87-012-140-080	CHIP.CAP,S 470P/50V (J) CH TP	a
MAIN	O C	0050	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	O C	0071	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	O C	0072	SC-ESM-CS1-01D	ELEC CAP 100UF/10V (M) SME TP	a
MAIN	O C	0073	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	O C	0075	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
CA-DW540 LHSTC					
MAIN	O C	0076	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN	O C	0080	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	O C	0088	87-010-322-080	CHIP.CAP,S 100P/50V (J) CH TP	a
MAIN	O C	0092	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	O C	0093	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	O C	0099	87-018-131-080	AXIAL CAP 1000PF/50V (K) B TP=	a
MAIN	O C	0215	87-A10-201-080	CHIP CAP 0.33/50V (Z) F	a
MAIN	O C	0216	87-A10-201-080	CHIP CAP 0.33/50V (Z) F	a
MAIN	O C	0231	87-015-632-080	CHIP CAP 0.015UF/50V (Z) F	a
MAIN	O C	0232	87-015-632-080	CHIP CAP 0.015UF/50V (Z) F	a
CA-DW540 LHSTC					
MAIN	O C	0233	87-A10-201-080	CHIP CAP 0.33/50V (Z) F	a
MAIN	O C	0234	87-A10-201-080	CHIP CAP 0.33/50V (Z) F	a
MAIN	X C	0235	SC-CBK-EF1-04S	CHIP CAP 0.1U/25V (K) B (1206	a
MAIN	X C	0236	SC-CBK-EF1-04S	CHIP CAP 0.1U/25V (K) B (1206	a
MAIN	O C	0237	SC-ESM-DS4-70D	ELEC CAP 47U/16V (M) SME TP=5	a
MAIN	O C	0238	SC-ESM-CS2-21D	ELEC CAP 220UF/10V (M) SME TP	a
MAIN	O C	0239	87-010-805-080	CHIP.CAP,S 1UF/16V (Z) F TP=8	a
MAIN	O C	0240	87-010-805-080	CHIP.CAP,S 1UF/16V (Z) F TP=8	a
MAIN	O C	0241	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN	O C	0242	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
CA-DW540 LHSTC					
MAIN	O C	0243	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN	O C	0244	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN	O C	0245	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN	O C	0246	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN	O C	0247	SC-ESM-GS4-R7D	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN	O C	0248	SC-ESM-GS4-R7D	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN	O C	0251	SC-ESM-GS1-00D	ELEC CAP 10UF/50V (M) SME TP=	a
MAIN	O C	0261	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN	O C	0262	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN	O C	0263	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a

ELECTRICAL PARTS LIST - 4/10

! = ⚠ SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
CA-DW540 LHSTC						
MAIN		O C	0264	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN		O C	0266	SC-ESM-GSR-22D	ELEC.CAP 0.22UF/50V (M) SME TP	a
MAIN		O C	0267	SC-ESM-GSR-22D	ELEC.CAP 0.22UF/50V (M) SME TP	a
MAIN		O C	0271	SC-ESM-DB1-02D	EL CAP 1000UF/16V	a
MAIN		O C	0272	SC-ESM-DB1-02D	EL CAP 1000UF/16V	a
MAIN		O C	0277	SC-ESM-GS4-R7D	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN		O C	0278	SC-ESM-DS1-01D	ELEC CAP 100UF/16V (M) SME TP	a
MAIN		O C	0279	SC-ESM-DS1-01D	ELEC CAP 100UF/16V (M) SME TP	a
MAIN		O C	0280	87-010-198-080	CHIP CAP S 0.022U/25V (K) B T	a
MAIN		O C	0282	SC-ESM-ES3-30D	ELEC CAP 33UF/25V (M) SME TP=	a
CA-DW540 LHSTC						
MAIN		O C	0291	SC-ESM-GS4-R7D	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN		O C	0293	SC-ESM-GS4-R7D	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN		O C	0301	87-012-157-080	EHIP.CAP,S 330P/50V (J) CH TP	a
MAIN		O C	0302	87-012-157-080	EHIP.CAP,S 330P/50V (J) CH TP	a
MAIN		O C	0303	87-010-177-080	CHIP CAP 820P/50V TP=8mm	a
MAIN		O C	0304	87-010-177-080	CHIP CAP 820P/50V TP=8mm	a
MAIN		O C	0305	SC-ESM-CS4-70D	ELEC CAP 47U/10V (M) SME TP=5	a
MAIN		O C	0306	SC-ESM-CS4-70D	ELEC CAP 47U/10V (M) SME TP=5	a
MAIN		O C	0307	SC-ESM-ES2-20D	ELEC.CAP 22 UF/25V (M) SME TP	a
MAIN		O C	0308	SC-ESM-GS1-00D	ELEC CAP 10UF/50V (M) SME TP=	a
CA-DW540 LHSTC						
MAIN		O C	0309	SC-ESM-GS4-R7D	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN		O C	0310	SC-ESM-GS4-R7D	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN		O C	0311	SC-ESM-CS2-21D	ELEC CAP 220UF/10V (M) SME TP	a
MAIN		O C	0312	SC-ESM-CS4-70D	ELEC CAP 47U/10V (M) SME TP=5	a
MAIN		O C	0313	87-016-369-080	CHIP CAP 0.033U/25V (K) B TP=	a
MAIN		O C	0314	87-016-369-080	CHIP CAP 0.033U/25V (K) B TP=	a
MAIN		O C	0315	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN		O C	0316	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN		O C	0317	SC-ESM-ES2-20D	ELEC.CAP 22 UF/25V (M) SME TP	a
MAIN		O C	0318	SC-ESM-ES2-20D	ELEC.CAP 22 UF/25V (M) SME TP	a
CA-DW540 LHSTC						
MAIN		O C	0319	SC-ESM-GS1-00D	ELEC CAP 10UF/50V (M) SME TP=	a
MAIN		O C	0320	SC-ESM-GS1-00D	ELEC CAP 10UF/50V (M) SME TP=	a
MAIN		O C	0321	87-012-157-080	EHIP.CAP,S 330P/50V (J) CH TP	a
MAIN		O C	0322	87-012-157-080	EHIP.CAP,S 330P/50V (J) CH TP	a
MAIN		O C	0323	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		O C	0324	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		O C	0325	87-010-180-080	CHIP CAP 1500P/50V (K) B TP=8	a
MAIN		O C	0326	87-010-180-080	CHIP CAP 1500P/50V (K) B TP=8	a
MAIN		O C	0327	SC-ESM-GS4-R7D	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN		O C	0328	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
CA-DW540 LHSTC						
MAIN		O C	0329	87-010-182-080	CHIP CAP 2200P/50V (K) B TP=8	a
MAIN		O C	0330	87-010-213-080	CHIP CAP S 0.015U/25V (K) B TP	a
MAIN		O C	0331	SC-ESM-DS1-01D	ELEC CAP 100UF/16V (M) SME TP	a
MAIN		X C	0332	SC-MXJ-GS1-02W	MYLAR CAP 1000P/50V (J) TP=5m	a
MAIN		O C	0334	87-012-155-080	CHIP.CAP,S 180P/50V (J) CH TP	a
MAIN		O C	0341	87-012-157-080	EHIP.CAP,S 330P/50V (J) CH TP	a
MAIN		O C	0342	87-012-157-080	EHIP.CAP,S 330P/50V (J) CH TP	a
MAIN		O C	0343	87-012-157-080	EHIP.CAP,S 330P/50V (J) CH TP	a
MAIN		O C	0344	87-010-303-080	CHIP CAP 330P/50V (K) B	a
MAIN		O C	0363	87-010-182-080	CHIP CAP 2200P/50V (K) B TP=8	a
CA-DW540 LHSTC						
MAIN		O C	0364	87-010-182-080	CHIP CAP 2200P/50V (K) B TP=8	a
MAIN		O C	0401	SC-ESM-GS3-R3D	ELEC CAP 3.3u/50V (M) SME TP=	a
MAIN		O C	0402	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		O C	0403	SC-ESM-CS1-01D	ELEC CAP 100UF/10V (M) SME TP	a
MAIN		O C	0404	SC-ESM-CS2-21D	ELEC CAP 220UF/10V (M) SME TP	a
MAIN		O C	0405	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		O C	0406	SC-ESM-CS4-70D	ELEC CAP 47U/10V (M) SME TP=5	a
MAIN		O C	0407	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN		O C	0408	87-010-198-080	CHIP CAP S 0.022U/25V (K) B T	a
MAIN		O C	0409	SC-ESM-CS2-21D	ELEC CAP 220UF/10V (M) SME TP	a
CA-DW540 LHSTC						
MAIN		O C	0410	SC-ESM-CS1-01D	ELEC CAP 100UF/10V (M) SME TP	a
MAIN		X C	0411	SC-CBK-E81-54S	CHIP CAP 0.15UF/50V (K) B	a
MAIN		O C	0412	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN		O C	0413	87-016-369-080	CHIP CAP 0.033U/25V (K) B TP=	a
MAIN		O C	0414	SC-ESM-GS1-00D	ELEC CAP 10UF/50V (M) SME TP=	a
MAIN		O C	0416	SC-ESM-GSR-22D	ELEC.CAP 0.22UF/50V (M) SME TP	a
MAIN		O C	0417	87-012-157-080	EHIP.CAP,S 330P/50V (J) CH TP	a
MAIN		O C	0418	87-010-213-080	CHIP CAP S 0.015U/25V (K) B TP	a
MAIN		X C	0419	SC-CBK-D83-34S	CHIP CAP 0.33UF/16V (K) B	a
MAIN		O C	0420	87-016-369-080	CHIP CAP 0.033U/25V (K) B TP=	a
CA-DW540 LHSTC						
MAIN		X C	0421	SC-CBK-E81-54S	CHIP CAP 0.15UF/50V (K) B	a
MAIN		X C	0422	SC-CBK-G82-72S	CHIP CAP S 2700P/50V (K) B TP	a
MAIN		O C	0423	87-010-992-080	CHIP CAP S 0.047UF/25V (K) B	a
MAIN		X C	0424	SC-CBK-E81-83S	CHIP CAP S 0.018uF/25V (K) B	a
MAIN		O C	0425	87-010-176-080	CHIP CAP S 680P/50V (J) CH TP	a
MAIN		X C	0426	SC-CBK-D83-34S	CHIP CAP 0.33UF/16V (K) B	a
MAIN		X C	0428	SC-CBK-E81-23S	CHIP CAP S 0.012U/25V (K) B T	a
MAIN		O C	0429	87-010-186-080	CHIP CAP S 4700P/50V (K) B TP	a
MAIN		O C	0430	87-012-156-080	CHIP CAP,S 220P/50V (J) CH TA	a
MAIN		O C	0431	SC-ESM-GSR-22D	ELEC.CAP 0.22UF/50V (M) SME TP	a

ELECTRICAL PARTS LIST - 5/10

! =  SAFETY PARTS

C = Components marked

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
CA-DW540 LHSTC					
MAIN	O C	0432	SC-ESM-CS4-70D	ELEC CAP 47U/10V (M) SME TP=5	a
MAIN	O C	0433	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN	O C	0434	87-010-184-080	CHIP CAP S 3300PF/50V (K) TP=	a
MAIN	O C	0435	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	O C	0436	SC-ESM-CS4-70D	ELEC CAP 47U/10V (M) SME TP=5	a
MAIN	O C	0437	SC-ESM-GS4-R7D	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN	O C	0438	87-016-669-080	CHIP.CAP,S 0.1U/25V (K) B	a
MAIN	O C	0439	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN	O C	0440	87-010-145-080	CHIP CAP S 1P/50V (C) CH	a
MAIN	O C	0441	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
CA-DW540 LHSTC					
MAIN	X C	0442	SC-CCJ-G81-20S	CHIP CAP.S 12P/50V(J)CH	a
MAIN	O C	0445	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
MAIN	O C	0446	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
MAIN	O C	0447	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
MAIN	O C	0448	87-010-315-080	CHIP.CAP,S 27P/50V (J) CH TP=	a
MAIN	O C	0451	87-012-156-080	CHIP CAP,S 220P/50V (J) CH TA	a
MAIN	O C	0455	SC-ESM-GS1-01D	ELEC.CAP 100UF/50V (M) SME TP	a
MAIN	O C	0457	87-010-312-080	CHIP.CAP,S 15P/50V (J) CH TP=	a
MAIN	O C	0458	87-010-312-080	CHIP.CAP,S 15P/50V (J) CH TP=	a
MAIN	O C	0459	SC-ESM-CS1-01D	ELEC CAP 100UF/10V (M) SME TP	a
CA-DW540 LHSTC					
MAIN	O C	0460	87-015-819-080	CHIP.CAP 0.01U/50V (K) B TP=8	a
MAIN	O C	0461	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	O C	0462	SC-ESM-CS2-21D	ELEC CAP 220UF/10V (M) SME TP	a
MAIN	O C	0463	87-018-134-080	AXIAL CAP 0.01U/50V (K)	a
MAIN	O C	0465	SC-ESM-GS4-R7D	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN	O C	0466	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
MAIN	O C	0467	SC-ESM-CS1-01D	ELEC CAP 100UF/10V (M) SME TP	a
MAIN	O C	0469	87-012-154-080	CHIP.CAP,S 150P/50V (J) CH TP	a
MAIN	O C	0471	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
MAIN	O C	0472	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
CA-DW540 LHSTC					
MAIN	O C	0473	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
MAIN	O C	0474	87-015-785-080	CHIP.CAP 0.1UF/25V(Z) F TP=8m	a
MAIN	O C	0475	87-015-819-080	CHIP.CAP 0.01U/50V (K) B TP=8	a
MAIN	O C	0476	SC-ESM-CS1-02D	ELEC CAP 1000uF/10V(M) S CUT	a
MAIN	O C	0477	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	O C	0478	SC-ESM-CS1-01D	ELEC CAP 100UF/10V (M) SME TP	a
MAIN	O C	0479	87-018-134-080	AXIAL CAP 0.01U/50V (K)	a
MAIN	O C	0480	SC-ESM-CS4-71D	ELEC CAP 470u/10V (M) SME TP=	a
MAIN	O C	0481	SC-ESM-GS1-00D	ELEC CAP 10UF/50V (M) SME TP=	a
MAIN	O C	0482	SC-ESM-GS1-00D	ELEC CAP 10UF/50V (M) SME TP=	a
CA-DW540 LHSTC					
MAIN	O C	0483	87-012-156-080	CHIP CAP,S 220P/50V (J) CH TA	a
MAIN	O C	0484	87-012-156-080	CHIP CAP,S 220P/50V (J) CH TA	a
MAIN	O C	0489	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
MAIN	O C	0490	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
MAIN	O C	0491	87-015-819-080	CHIP.CAP 0.01U/50V (K) B TP=8	a
MAIN	O C	0492	SC-ESM-CS4-71D	ELEC CAP 470u/10V (M) SME TP=	a
MAIN	O C	0493	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN	O C	0494	87-018-134-080	AXIAL CAP 0.01U/50V (K)	a
MAIN	O C	0501	87-A12-742-080	EL CAP 3300UF/25V	a
MAIN	X C	0502	SC-CBK-EF1-04S	CHIP CAP 0.1U/25V (K) B (1206	a
CA-DW540 LHSTC					
MAIN	O C	0506	SC-ESM-GS4-R7D	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN	O C	0507	SC-ESM-GS0-10D	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN	O C	0508	SC-ESM-CS4-71D	ELEC CAP 470u/10V (M) SME TP=	a
MAIN	O C	0511	SC-ESM-CS4-70D	ELEC CAP 47U/10V (M) SME TP=5	a
MAIN	O C	0512	SC-ESM-ES2-21D	ELEC CAP 220U/25V (M) SME TP=	a
MAIN	O C	0514	SC-ESM-CS2-21D	ELEC CAP 220UF/10V (M) SME TP	a
MAIN	X C	0515	SC-CFZ-E81-03S	CHIP CAP 0.01U/25V (Z) F	a
MAIN	X C	0521	SC-CFZ-E81-03S	CHIP CAP 0.01U/25V (Z) F	a
MAIN	O C	0522	SC-ESM-CS1-01D	ELEC CAP 100UF/10V (M) SME TP	a
MAIN	O C	0544	SC-ESM-GS1-00D	ELEC CAP 10UF/50V (M) SME TP=	a
CA-DW540 LHSTC					
MAIN	O C	0761	SC-ESM-DS4-70D	ELEC CAP 47U/16V (M) SME TP=5	a
MAIN	O C	0762	87-010-198-080	CHIP CAP S 0.022U/25V (K) B T	a
MAIN	O C	0765	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
MAIN	O C	2001	87-018-131-080	AXIAL CAP 1000PF/50V(K) B TP=	a
MAIN	O C	2002	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN	O C	2003	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN	O C	2004	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN	O C	2005	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN	O C	4001	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
MAIN	O C	4002	87-010-322-080	CHIP.CAP,S 100P/50V (J) CH TP	a
CA-DW540 LHSTC					
MAIN	O C	4003	87-010-322-080	CHIP.CAP,S 100P/50V (J) CH TP	a
MAIN	O C	4004	87-010-322-080	CHIP.CAP,S 100P/50V (J) CH TP	a
MAIN	O C	4005	87-010-322-080	CHIP.CAP,S 100P/50V (J) CH TP	a
MAIN	O C	4006	87-010-322-080	CHIP.CAP,S 100P/50V (J) CH TP	a
MAIN	O C	4007	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN	O C	4010	87-016-669-080	CHIP.CAP,S 0.1U/25V (K) B	a
MAIN	O C	4011	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN	O C	4012	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN	O C	4013	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN	O CF	0001	SF-F10-6C0-30H	FLTR JT10.7MG80-A	a

ELECTRICAL PARTS LIST - 6/10

! = SAFETY PARTS

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					CA-DW540
					LHSTC
MAIN	O	CF 0002	SF-F10-6C0-11J	FILTER CER.10.7MA5A	a
MAIN	O	CN 0001	8Z-CT4-623-010	TERMINAL PIN ,1	a
MAIN	O	CN 0004	8Z-CT4-623-010	TERMINAL PIN ,1	a
MAIN	O	CN 0005	8Z-CT4-623-010	TERMINAL PIN ,1	a
MAIN	O	CN 0006	8Z-CT4-623-010	TERMINAL PIN ,1	a
MAIN	O	CN 0007	8Z-CT4-623-010	TERMINAL PIN ,1	a
MAIN	O	CN 0301	88-CT6-604-010	CONNECTOR ASS'Y 4P	a
MAIN	O	CN 0302	88-CT6-605-010	CONNECTOR ASS'Y 5P	a
MAIN	O	CN 0401	87-A60-424-010	FFC CONNECTOR 16P 1.0mm	a
MAIN	O	CN 0501	87-049-919-010	DSANECTOR BASE 3P 2.5mm	a
MAIN	O	CN 0751	88-CT6-608-010	CONNECTOR ASS'Y 8P	a
MAIN	O	CNA0402	SW-CAI-540-060	CONNECTOR ASSY 6P	a
MAIN	O	CON0201	87-A61-893-010	SPK TERMINAL 4P 94VO	a
MAIN	S	D 0001	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
MAIN	S	D 0002	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
MAIN	O	D 0003	87-A40-616-070	VARI-CAP SVC384 (S/T)	a
MAIN	O	D 0004	87-A40-916-040	C-VARI-CAP,HVC202A	a
MAIN	O	D 0005	87-A40-916-040	C-VARI-CAP,HVC202A	a
MAIN	S	D 0006	87-017-090-080	ZENER HZS5B3	a
MAIN	S	D 0201	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
					CA-DW540
					LHSTC
MAIN	S	D 0401	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
MAIN	S	D 0402	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
MAIN	S	D 0403	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
MAIN	S	D 0491	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
MAIN	S	D 0494	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
MAIN	S	D 0503	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
MAIN	S	D 0504	87-A40-648-080	ZENER DIODE MTZJ8.2A	a
MAIN	S	D 0505	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
MAIN	S	D 0506	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
MAIN	S	D 0508	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
MAIN	S	D 0511	SD-Z62-BSB-000	ZENER DZ 6.2BSB	a
MAIN	S	D 0523	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
MAIN	S	D 0532	SM-TZJ-75B-000	ZENER DIODE MTZJ7.5B	a
MAIN	S	D 0761	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
MAIN	S	D 0762	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
MAIN	S	D 0763	87-070-345-080	DIODE 1N4148M DO-34 AI TAPING	a
MAIN	O	FFC0001	SW-F16-F44-29S	FFC WIRE 16P (1.0mmpich)	a
MAIN	S	IC 0001	87-A21-550-010	IC TA2149N	a
MAIN	S	IC 0002	87-A21-928-010	IC LC72131D-N	a
MAIN	S	IC 0202	87-A21-090-010	IC LA4600	a
					CA-DW540
					LHSTC
MAIN	S	IC 0203	87-A21-443-040	CHIP IC M62495AFP	a
MAIN	S	IC 0301	87-020-828-010	IC BA3416BL	a
MAIN	S	IC 0302	87-001-440-010	IC BA15218N	a
MAIN	S	IC 0401	87-A20-446-010	CHIP IC LA9241ML	a
MAIN	S	IC 0402	87-A21-319-010	CHIP IC LC78622NE	a
MAIN	S	IC 0404	87-A21-891-010	CHIP IC MM1469XH	a
MAIN	O	JW 0021	87-008-372-080	BEADS CORE (BLO1RN1-A63.T6) T	a
MAIN	O	JW 0023	87-008-372-080	BEADS CORE (BLO1RN1-A63.T6) T	a
MAIN	O	JW 0257	88-121-102-080	CARBON RES 1/6W (J) 1Kohm TP=	a
MAIN	O	JW 0258	87-008-372-080	BEADS CORE (BLO1RN1-A63.T6) T	a
MAIN	O	JW 0260	87-008-372-080	BEADS CORE (BLO1RN1-A63.T6) T	a
MAIN	O	JW 0264	87-008-372-080	BEADS CORE (BLO1RN1-A63.T6) T	a
MAIN	O	JW 0311	87-008-372-080	BEADS CORE (BLO1RN1-A63.T6) T	a
MAIN	X	L 0001	88-100-000-010	JUMPER WIRE ,0.6 10mm(397.8M/	a
MAIN	O	L 0003	SL-B10-400-41G	BAR-ANT 2B	a
MAIN	O	L 0004	87-A50-420-010	AM OSC	a
MAIN	O	L 0005	87-A50-566-010	COIL FM RF	a
MAIN	O	L 0006	87-A50-567-010	FM OSC	a
MAIN	O	L 0007	87-A91-308-010	AM IFT W/C.F	a
MAIN	O	L 0008	87-005-152-080	FIXED IND 10UH (K) TP=26mm	a
					CA-DW540
					LHSTC
MAIN	O	L 0090	87-003-152-080	FIXED IND 100UH	a
MAIN	O	L 0201	87-003-152-080	FIXED IND 100UH	a
MAIN	O	L 0330	88-CT6-620-010	REC OSC	a
MAIN	O	L 0401	87-005-152-080	FIXED IND 10UH (K) TP=26mm	a
MAIN	X	L 0402	88-100-000-010	JUMPER WIRE ,0.6 10mm(397.8M/	a
MAIN	O	L 0404	87-003-152-080	FIXED IND 100UH	a
MAIN	X	L 0405	88-100-000-010	JUMPER WIRE ,0.6 10mm(397.8M/	a
MAIN	O	PN 0301	87-A60-110-010	CONNECTOR BASE 4P	a
MAIN	O	PN 0302	87-A60-111-010	CONN BASE 5P V S2M-5W	a
MAIN	O	PN 0751	87-A60-625-010	CONNECTOR BASE 8P	a
MAIN	S	Q 0002	SB-R2S-C17-40S	TR 2SC1740-R	a
MAIN	S	Q 0003	89-111-624-080	CHIP TR 2SA1162Y	a
MAIN	S	Q 0004	87-A30-283-040	TR DTC114YKA	a
MAIN	S	Q 0071	87-026-211-080	CHIP TR DTA144EKA T146	a
MAIN	S	Q 0243	SB-R2S-C20-01K	TR 2SC2001-K	a
MAIN	S	Q 0244	SB-R2S-C20-01K	TR 2SC2001-K	a
MAIN	S	Q 0306	SB-R2S-C20-01K	TR 2SC2001-K	a
MAIN	S	Q 0308	SB-R2S-C17-40S	TR 2SC1740-R	a
MAIN	S	Q 0311	SK-RC1-08M-000	D TRANSISTOR KRC108M AT	a
MAIN	S	Q 0401	SB-R2S-A93-3AS	TR 2SA933-R	a

ELECTRICAL PARTS LIST - 7/10

! = ⚠ SAFETY PARTS

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
CA-DW540 LHSTC					
MAIN	S Q	0402	89-113-187-080	TRANSISTOR 2SA1318T AA	a
MAIN	S Q	0403	87-A30-287-040	CHIP TRANSISTOR DTC114TKA T14	a
MAIN	S Q	0404	87-A30-287-040	CHIP TRANSISTOR DTC114TKA T14	a
MAIN	S Q	0407	87-A30-062-040	CHIP TR KRC104S	a
MAIN	S Q	0408	87-A30-062-040	CHIP TR KRC104S	a
MAIN	S Q	0491	87-A30-226-010	TR 2SB1655E	a
MAIN	S Q	0492	SK-RC1-08M-000	D TRANSISTOR KRC108M AT	a
MAIN	S Q	0501	89-112-965-080	TRANSISTOR 2SA1296GR TPE2	a
MAIN	S Q	0502	SB-R2S-A93-3AS	TR 2SA933-R	a
MAIN	S Q	0503	SK-RC1-08M-000	D TRANSISTOR KRC108M AT	a
CA-DW540 LHSTC					
MAIN	S Q	0504	87-A30-226-010	TR 2SB1655E	a
MAIN	S Q	0505	SB-R2S-C17-40S	TR 2SC1740-R	a
MAIN	S Q	0510	SB-R2S-C20-01K	TR 2SC2001-K	a
MAIN	S Q	0521	SB-R2S-C18-15Y	TR 2SC1815-Y	a
MAIN	S Q	0761	SB-R2S-A93-3AS	TR 2SA933-R	a
MAIN	S Q	0762	SK-RC1-08M-000	D TRANSISTOR KRC108M AT	a
MAIN	S Q	0764	SK-RC1-08M-000	D TRANSISTOR KRC108M AT	a
MAIN	S Q	0770	89-112-965-080	TRANSISTOR 2SA1296GR TPE2	a
MAIN	O R	0001	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN	O R	0002	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
CA-DW540 LHSTC					
MAIN	O R	0003	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
MAIN	O R	0004	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN	O R	0006	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN	X R	0007	88-118-100-080	CHIP RES 1/10W 10ohm (J) TP=	a
MAIN	X R	0008	SR-C8J-004-70F	CHIP RES 1/10 W (J) 47ohm TP=	a
MAIN	O R	0009	88-118-331-080	CHIP RES,S 1/10W (J) 330ohm T	a
MAIN	X R	0010	88-118-000-080	CHIP JUMPER S 0805 TP=8mm	a
MAIN	X R	0011	88-118-000-080	CHIP JUMPER S 0805 TP=8mm	a
MAIN	O R	0014	88-118-332-080	CHIP RES,S 1/10W (J) 3.3Kohm	a
MAIN	O R	0015	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
CA-DW540 LHSTC					
MAIN	O R	0016	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN	O R	0017	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN	X R	0018	88-118-222-080	CHIP RES 1/10W (J) 2.2Kohm TP	a
MAIN	X R	0019	88-118-222-080	CHIP RES 1/10W (J) 2.2Kohm TP	a
MAIN	O R	0020	88-118-471-080	CHIP RES 1/10W (J) 470ohm TP=	a
MAIN	X R	0021	SR-C8J-002-71F	CHIP RES 1/10W (J) 270ohmT8	a
MAIN	X R	0022	SR-C8J-005-62F	CHIP RES 1/10W(J) 5.6Kohm TP=	a
MAIN	O R	0023	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN	X R	0024	88-118-681-080	CHIP RES 1/10W (J) 680ohm TP	a
MAIN	X R	0025	88-118-222-080	CHIP RES 1/10W (J) 2.2Kohm TP	a
CA-DW540 LHSTC					
MAIN	O R	0027	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN	O R	0028	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN	O R	0029	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN	O R	0030	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN	O R	0031	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN	O R	0032	88-121-330-080	CARBON RES 1/6w (J) 33ohm TP=	a
MAIN	X R	0033	88-118-100-080	CHIP RES 1/10W 10ohm (J) TP=	a
MAIN	O R	0034	88-118-153-080	CHIP RES 1/10W (J) 15Kohm TP	a
MAIN	X R	0035	88-118-222-080	CHIP RES 1/10W (J) 2.2Kohm TP	a
MAIN	O R	0036	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
CA-DW540 LHSTC					
MAIN	O R	0037	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
MAIN	O R	0039	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
MAIN	X R	0072	88-118-000-080	CHIP JUMPER S 0805 TP=8mm	a
MAIN	X R	0075	88-118-000-080	CHIP JUMPER S 0805 TP=8mm	a
MAIN	O R	0076	88-118-224-080	CHIP RES 1/10W (J) 120Kohm TP	a
MAIN	O R	0215	88-118-471-080	CHIP RES 1/10W (J) 470ohm TP=	a
MAIN	O R	0216	88-118-471-080	CHIP RES 1/10W (J) 470ohm TP=	a
MAIN	O R	0221	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN	O R	0222	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN	X R	0223	88-118-122-080	CHIP RES 1/10W (J) 1.2Kohm TP	a
CA-DW540 LHSTC					
MAIN	X R	0224	88-118-122-080	CHIP RES 1/10W (J) 1.2Kohm TP	a
MAIN	O R	0228	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN	O R	0229	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN	X R	0231	88-118-222-080	CHIP RES 1/10W (J) 2.2Kohm TP	a
MAIN	X R	0232	88-118-222-080	CHIP RES 1/10W (J) 2.2Kohm TP	a
MAIN	O R	0233	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN	O R	0234	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
MAIN	X R	0235	88-118-392-080	CHIP RES 1/10W(J) 3.9Kohm TP=	a
MAIN	O R	0236	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN	O R	0237	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
CA-DW540 LHSTC					
MAIN	O R	0241	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN	O R	0242	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN	O R	0243	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN	O R	0244	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN	O R	0245	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN	O R	0246	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN	X R	0251	88-118-152-080	CHIP RES 1/10W (J) 1.5Kohm T	a
MAIN	X R	0252	88-118-152-080	CHIP RES 1/10W (J) 1.5Kohm T	a
MAIN	X R	0253	SR-C8J-003-91F	CHIP RES 1/10W(J) 390ohm TP=8	a
MAIN	X R	0254	SR-C8J-003-91F	CHIP RES 1/10W(J) 390ohm TP=8	a

ELECTRICAL PARTS LIST - 8/10

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
CA-DW540 LHSTC					
MAIN	O R	0255	88-118-332-080	CHIP RES,S 1/10W (J) 3.3Kohm	a
MAIN	O R	0271	88-118-223-080	CHIP RES 1/10W (J) 22Kohm TP	a
MAIN	O R	0272	88-118-223-080	CHIP RES 1/10W (J) 22Kohm TP	a
MAIN	O R	0291	88-118-123-080	CHIP RES 1/10W (J) 12K ohm TP	a
MAIN	O R	0293	88-118-123-080	CHIP RES 1/10W (J) 12K ohm TP	a
MAIN	X R	0301	88-118-560-080	CHIP RES 1/10W (J) 56ohm	a
MAIN	X R	0302	88-118-560-080	CHIP RES 1/10W (J) 56ohm	a
MAIN	X R	0303	88-128-392-080	CHIP RES 1/8W 3.9K TP=8mm	a
MAIN	X R	0304	88-118-392-080	CHIP RES 1/10W(J) 3.9Kohm TP=	a
MAIN	X R	0305	88-128-104-080	CHIP RESISTOR 1/8W 100K 1206	a
MAIN	X R	0306	88-128-104-080	CHIP RESISTOR 1/8W 100K 1206	a
MAIN	X R	0307	SR-C8J-005-62F	CHIP RES 1/10W(J) 5.6Kohm TP=	a
MAIN	X R	0308	SR-C8J-005-62F	CHIP RES 1/10W(J) 5.6Kohm TP=	a
MAIN	X R	0309	88-128-471-080	CHIP RESISTOR 1/8W 470ohm TP=	a
MAIN	O R	0310	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
MAIN	O R	0311	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
MAIN	X R	0312	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
MAIN	O R	0313	88-118-182-080	CHIP RES 1/10W (J) 1.8Kohm TP	a
MAIN	O R	0314	88-118-182-080	CHIP RES 1/10W (J) 1.8Kohm TP	a
MAIN	O R	0319	88-118-224-080	CHIP RES 1/10W (J) 220K ohm	a
CA-DW540 LHSTC					
MAIN	O R	0320	88-118-224-080	CHIP RES 1/10W (J) 220K ohm	a
MAIN	O R	0321	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN	O R	0322	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN	X R	0323	88-118-122-080	CHIP RES 1/10W (J) 1.2Kohm TP	a
MAIN	X R	0324	88-118-122-080	CHIP RES 1/10W (J) 1.2Kohm TP	a
MAIN	O R	0325	88-118-471-080	CHIP RES 1/10W (J) 470ohm TP=	a
MAIN	O R	0326	88-118-471-080	CHIP RES 1/10W (J) 470ohm TP=	a
MAIN	O R	0327	88-118-153-080	CHIP RES 1/10W (J) 15Kohm TP	a
MAIN	O R	0328	88-118-153-080	CHIP RES 1/10W (J) 15Kohm TP	a
MAIN	X R	0329	SR-ATJ-603-32X	CARBON RES 1/6W (J) 3.3Kohm T	a
MAIN	X R	0330	88-118-822-080	CHIP RES 1/10W (J) 8.2Kohm TP	a
MAIN	X R	0331	88-130-101-080	CARBON RES 1/4W (J) 100ohm TP	a
MAIN	X R	0332	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
MAIN	O R	0333	88-118-273-080	CHIP RES,S 1/10W (J) 27Kohm T	a
MAIN	X R	0334	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
MAIN	O R	0336	88-121-102-080	CARBON RES 1/6W (J) 1Kohm TP=	a
MAIN	O R	0338	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN	O R	0347	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN	O R	0348	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN	O R	0351	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
CA-DW540 LHSTC					
MAIN	O R	0352	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN	O R	0355	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN	O R	0356	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN	O R	0361	88-118-153-080	CHIP RES 1/10W (J) 15Kohm TP	a
MAIN	O R	0362	88-118-153-080	CHIP RES 1/10W (J) 15Kohm TP	a
MAIN	X R	0401	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
MAIN	X R	0402	88-118-100-080	CHIP RES 1/10W 10ohm (J) TP=	a
MAIN	O R	0403	88-118-123-080	CHIP RES 1/10W (J) 12K ohm TP	a
MAIN	O R	0405	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
MAIN	O R	0406	88-118-332-080	CHIP RES,S 1/10W (J) 3.3Kohm	a
MAIN	X R	0407	88-118-000-080	CHIP JUMPER S 0805 TP=8mm	a
MAIN	O R	0408	88-118-683-080	CHIP RES 1/10W(J) 68Kohm TP=8	a
MAIN	X R	0409	88-118-222-080	CHIP RES 1/10W (J) 2.2Kohm TP	a
MAIN	O R	0410	88-118-273-080	CHIP RES,S 1/10W (J) 27Kohm T	a
MAIN	X R	0411	88-118-561-080	CHIP RES 1/10W (J) 560ohm TP=	a
MAIN	X R	0412	88-118-823-080	CHIP RES,S 1/10W (J) 82Kohm T	a
MAIN	X R	0413	SR-C8J-003-93F	CHIPRES 1/10W (J) 39Kohm TP=8	a
MAIN	O R	0414	88-118-332-080	CHIP RES,S 1/10W (J) 3.3Kohm	a
MAIN	O R	0415	88-118-273-080	CHIP RES,S 1/10W (J) 27Kohm T	a
MAIN	O R	0417	88-118-123-080	CHIP RES 1/10W (J) 12K ohm TP	a
CA-DW540 LHSTC					
MAIN	O R	0418	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN	X R	0419	88-118-152-080	CHIP RES 1/10W (J) 1.5Kohm T	a
MAIN	X R	0420	88-118-333-080	CHIP RES 1/10W (J) 33Kohm TP=	a
MAIN	X R	0421	88-118-184-080	CHIP.RES,S 1/10W (J)180Kohm T	a
MAIN	O R	0423	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
MAIN	X R	0424	88-118-122-080	CHIP RES 1/10W (J) 1.2Kohm TP	a
MAIN	X R	0425	88-118-563-080	CHIP RES 1/10W (J) 56Kohm TP=	a
MAIN	O R	0426	88-118-123-080	CHIP RES 1/10W (J) 12K ohm TP	a
MAIN	O R	0427	88-118-153-080	CHIP RES 1/10W (J) 15Kohm TP	a
MAIN	X R	0428	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
MAIN	X R	0429	88-118-152-080	CHIP RES 1/10W (J) 1.5Kohm T	a
MAIN	X R	0430	SR-C8J-006-82F	CHIP RES 1/10W (J) 6.8Kohm T	a
MAIN	X R	0431	88-118-274-080	CHIP RES,S 1/10W (J) 270Kohm	a
MAIN	X R	0432	88-118-274-080	CHIP RES,S 1/10W (J) 270Kohm	a
MAIN	O R	0433	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN	O R	0434	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN	O R	0435	88-118-223-080	CHIP RES 1/10W (J) 22Kohm TP	a
MAIN	O R	0436	88-118-153-080	CHIP RES 1/10W (J) 15Kohm TP	a
MAIN	O R	0437	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
MAIN	X R	0438	SR-C8J-003-91F	CHIP RES 1/10W(J) 390ohm TP=8	a

ELECTRICAL PARTS LIST - 9/10

!

= SAFY PARTS

C

= Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME		! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
CA-DW540							
LHSTC							
MAIN		O	R	0439	88-118-153-080	CHIP RES 1/10W (J) 15Kohm TP	a
MAIN		O	R	0440	88-118-331-080	CHIP RES,S 1/10W (J) 330ohm T	a
MAIN		X	R	0441	88-118-681-080	CHIP RES 1/10W (J) 680ohm TP	a
MAIN		O	R	0442	88-118-273-080	CHIP RES,S 1/10W (J) 27Kohm T	a
MAIN		X	R	0443	88-118-122-080	CHIP RES 1/10W (J) 1.2Kohm TP	a
MAIN		X	R	0444	88-118-333-080	CHIP RES 1/10W (J) 33Kohm TP=	a
MAIN		O	R	0445	88-118-153-080	CHIP RES 1/10W (J) 15Kohm TP	a
MAIN		X	R	0446	88-118-183-080	CHIP RES 1/10W (J)18Kohm TP=	a
MAIN		O	R	0447	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
MAIN		X	R	0449	88-128-000-080	CHIP JUMPER 1206 TP=8mm	a
CA-DW540							
LHSTC							
MAIN		X	R	0451	SR-CFJ-805-62F	CHIP RES 1/10W(J) 5.6Kohm TP=	a
MAIN		O	R	0453	88-118-332-080	CHIP RES,S 1/10W (J) 3.3Kohm	a
MAIN		X	R	0455	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
MAIN		O	R	0456	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		O	R	0457	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
MAIN		X	R	0465	SR-C8J-006-80F	CHIP RES 1/10W (J) 68ohm TP=8	a
MAIN		X	R	0466	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
MAIN		X	R	0467	88-118-333-080	CHIP RES 1/10W (J) 33Kohm TP=	a
MAIN		O	R	0469	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN		O	R	0470	88-140-229-080	CARBON RES 1/2W (J) 2.2ohm TP	a
CA-DW540							
LHSTC							
MAIN		X	R	0471	88-118-000-080	CHIP JUMPER S 0805 TP=8mm	a
MAIN		X	R	0472	88-118-000-080	CHIP JUMPER S 0805 TP=8mm	a
MAIN		X	R	0473	88-118-000-080	CHIP JUMPER S 0805 TP=8mm	a
MAIN		X	R	0475	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
MAIN		X	R	0476	88-118-229-080	CHIP RES 2.2ohm (J) 1/10W TP=	a
MAIN		O	R	0478	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
MAIN		X	R	0479	SR-CFJ-801-03F	CHIP RESISTOR 10K 1/8W 1206	a
MAIN		O	R	0480	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		O	R	0481	88-118-273-080	CHIP RES,S 1/10W (J) 27Kohm T	a
MAIN		O	R	0482	88-118-273-080	CHIP RES,S 1/10W (J) 27Kohm T	a
CA-DW540							
LHSTC							
MAIN		X	R	0483	88-118-222-080	CHIP RES 1/10W (J) 2.2Kohm TP	a
MAIN		X	R	0484	88-118-222-080	CHIP RES 1/10W (J) 2.2Kohm TP	a
MAIN		O	R	0485	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
MAIN		X	R	0486	SR-CFJ-801-03F	CHIP RESISTOR 10K 1/8W 1206	a
MAIN		O	R	0487	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
MAIN		O	R	0488	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
MAIN		X	R	0489	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
MAIN		O	R	0490	88-121-102-080	CARBON RES 1/6W (J) 1Kohm TP=	a
MAIN		O	R	0491	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN		O	R	0492	88-118-331-080	CHIP RES,S 1/10W (J) 330ohm T	a
CA-DW540							
LHSTC							
MAIN		X	R	0493	88-118-000-080	CHIP JUMPER S 0805 TP=8mm	a
MAIN		X	R	0495	88-118-821-080	CHIP RES 1/10W (J) 820ohm TP=	a
MAIN		X	R	0496	88-118-821-080	CHIP RES 1/10W (J) 820ohm TP=	a
MAIN		X	R	0497	SR-CFJ-805-62F	CHIP RES 1/10W(J) 5.6Kohm TP=	a
MAIN		X	R	0498	SR-CFJ-805-62F	CHIP RES 1/10W(J) 5.6Kohm TP=	a
MAIN		O	R	0499	88-118-683-080	CHIP RES 1/10W(J) 68Kohm TP=8	a
MAIN		X	R	0503	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
MAIN		X	R	0504	88-118-474-080	CHIP RES,S 1/10W (J) 470Kohm	a
MAIN		O	R	0505	88-118-471-080	CHIP RES 1/10W (J) 470ohm TP=	a
MAIN		O	R	0506	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
CA-DW540							
LHSTC							
MAIN		X	R	0507	88-118-152-080	CHIP RES 1/10W (J) 1.5Kohm T	a
MAIN		X	R	0509	88-128-471-080	CHIP RESISTOR 1/8W 470ohm TP=	a
MAIN		O	R	0511	88-121-330-080	CARBON RES 1/6w (J) 33ohm TP=	a
MAIN		O	R	0512	88-121-330-080	CARBON RES 1/6w (J) 33ohm TP=	a
MAIN		X	R	0513	88-130-101-080	CARBON RES 1/4W (J) 100ohm TP	a
MAIN		O	R	0514	88-121-330-080	CARBON RES 1/6w (J) 33ohm TP=	a
MAIN		O	R	0516	88-118-223-080	CHIP RES 1/10W (J) 22Kohm TP	a
MAIN		X	R	0521	88-118-152-080	CHIP RES 1/10W (J) 1.5Kohm T	a
MAIN		O	R	0522	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN		X	R	0523	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
CA-DW540							
LHSTC							
MAIN		O	R	0524	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		X	R	0527	88-118-822-080	CHIP RES 1/10W (J) 8.2Kohm TP	a
MAIN		O	R	0528	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		O	R	0530	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
MAIN		O	R	0531	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
MAIN		O	R	0532	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
MAIN	!	X	R	0761	SR-PTJ-202-R2T	FUSE RES 1/2W (J) 2.2ohm	a
MAIN		O	R	0762	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
MAIN		O	R	0763	88-118-683-080	CHIP RES 1/10W(J) 68Kohm TP=8	a
MAIN		O	R	0764	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
CA-DW540							
LHSTC							
MAIN		X	R	0765	88-118-564-080	CHIP RES 1/10W (J) 560Kohm TP	a
MAIN		X	R	0766	88-118-222-080	CHIP RES 1/10W (J) 2.2Kohm TP	a
MAIN		X	R	0770	88-118-474-080	CHIP RES,S 1/10W (J) 470Kohm	a
MAIN		O	R	0771	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
MAIN		O	R	0772	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
MAIN		O	R	2003	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		O	R	2004	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		O	R	2005	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		X	R	4001	SR-ATJ-601-01X	CARBON RES 1/6W (J) 100ohm TP	a
MAIN		X	R	4002	SR-ATJ-601-01X	CARBON RES 1/6W (J) 100ohm TP	a

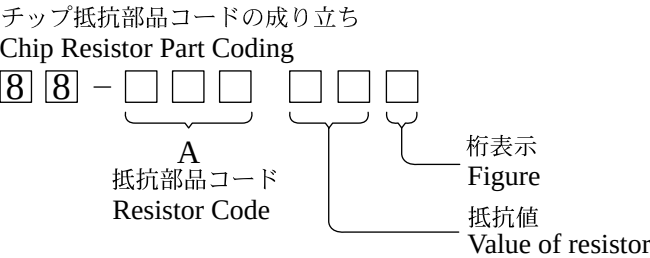
ELECTRICAL PARTS LIST - 10/10

! = SAFETY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
CA-DW540 LHSTC					
MAIN	X R	4003	SR-ATJ-602-72X	CARBON RES 1/6W (J) 2.7Kohm T	a
MAIN	X R	4004	SR-ATJ-601-01X	CARBON RES 1/6W (J) 100ohm TP	a
MAIN	X R	4005	SR-ATJ-601-01X	CARBON RES 1/6W (J) 100ohm TP	a
MAIN	X R	4006	SR-ATJ-601-01X	CARBON RES 1/6W (J) 100ohm TP	a
MAIN	X R	6001	SR-ATJ-603-34X	CARBON RES 1/6W(J) 330kohm TP	a
MAIN	O	SFR0430	87-024-437-080	POTENTIAL METER 100KHZ	a
MAIN	O	SPR0761	87-024-239-010	POTENTIALMETER 22K	a
MAIN	O	SW 0301	88-CT6-619-010	BACK SLIDE SW 6P2T SHORTING	a
MAIN	O	TC 0001	SC-W00-0A0-20X	CER TRIMMER (PINK) 20P 6.15x5	a
MAIN	O X	0001	87-A70-061-010	X'TAL 4.5MHZ	a
CA-DW540 LHSTC					
MAIN	O X	0401	87-A70-394-010	CER RESONATOR 16.93MHZ (CSA16	a
MOTOR	O M	0002	9X-262-576-910	MOTOR GEAR ASSY	a
MOTOR	O	PIN0001	91-564-722-110	CONN PIN 6P	a
MOTOR	X SW	0001	91-572-085-120	SW,LEAF	a
POWER	O C	0901	87-A10-577-080	CER.CAP 0.022UF/50V (Z) F	a
POWER	O C	0902	87-A10-577-080	CER.CAP 0.022UF/50V (Z) F	a
POWER	O C	0903	87-A10-577-080	CER.CAP 0.022UF/50V (Z) F	a
POWER	O C	0904	87-A10-577-080	CER.CAP 0.022UF/50V (Z) F	a
POWER	O	CNA0501	8Z-CT9-640-010	CONN'S ASS'Y 3P UL1007 #22 17	a
POWER	S D	0901	87-A40-465-090	DIODE FR202	a
CA-DW540 LHSTC					
POWER	S D	0902	87-A40-465-090	DIODE FR202	a
POWER	S D	0903	87-A40-465-090	DIODE FR202	a
POWER	S D	0904	87-A40-465-090	DIODE FR202	a
POWER	S D	0905	87-A40-465-090	DIODE FR202	a
POWER	! O J	0901	87-A61-455-010	AC JACK W/SW	a
POWER	! S JW	0902	87-A90-473-080	PROTECTOR 3.5A 491 60V (TP=52	a
POWER	! O PT	0901	8B-CT5-622-010	TRANSFORMER 115/230V DC=12.5V	a
POWER	! O SW	0901	87-A91-370-010	POWER VOLTAGE SW	a
SENSOR	S IC	0602	87-A21-831-010	IC SPS-442-1-F1	a

- 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
Chip resistor

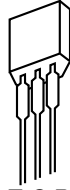
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード : A Resistor Code : A
				外形／Form	L	W	t	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION -1/1



E C B

2SA1296
2SA1318
2SC1815
2SC2001
2SC2240
KTC3198



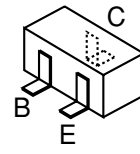
E C B

2SA933
2SC1740
KRC108M
KRC111M

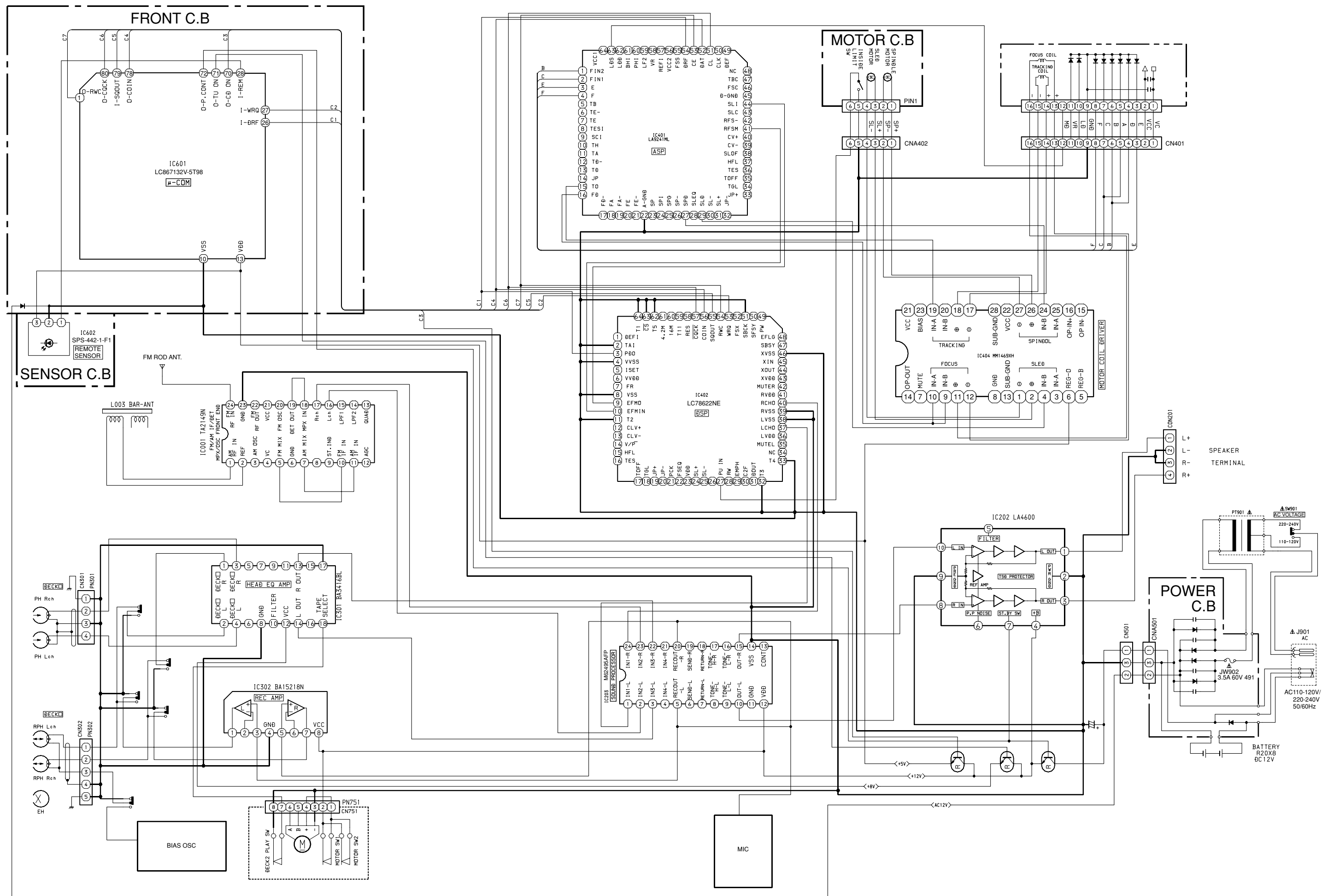


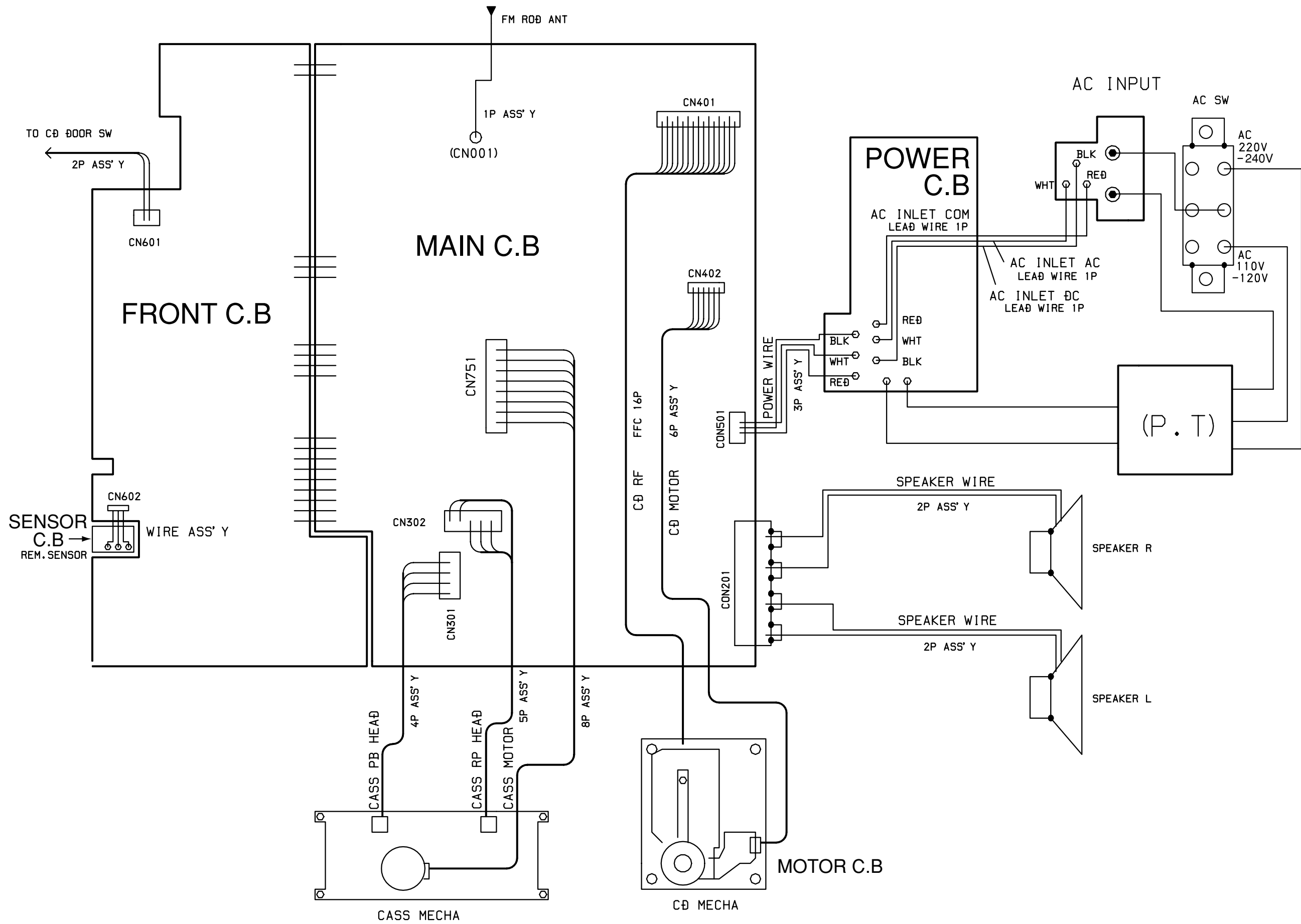
B C E

2SB1655

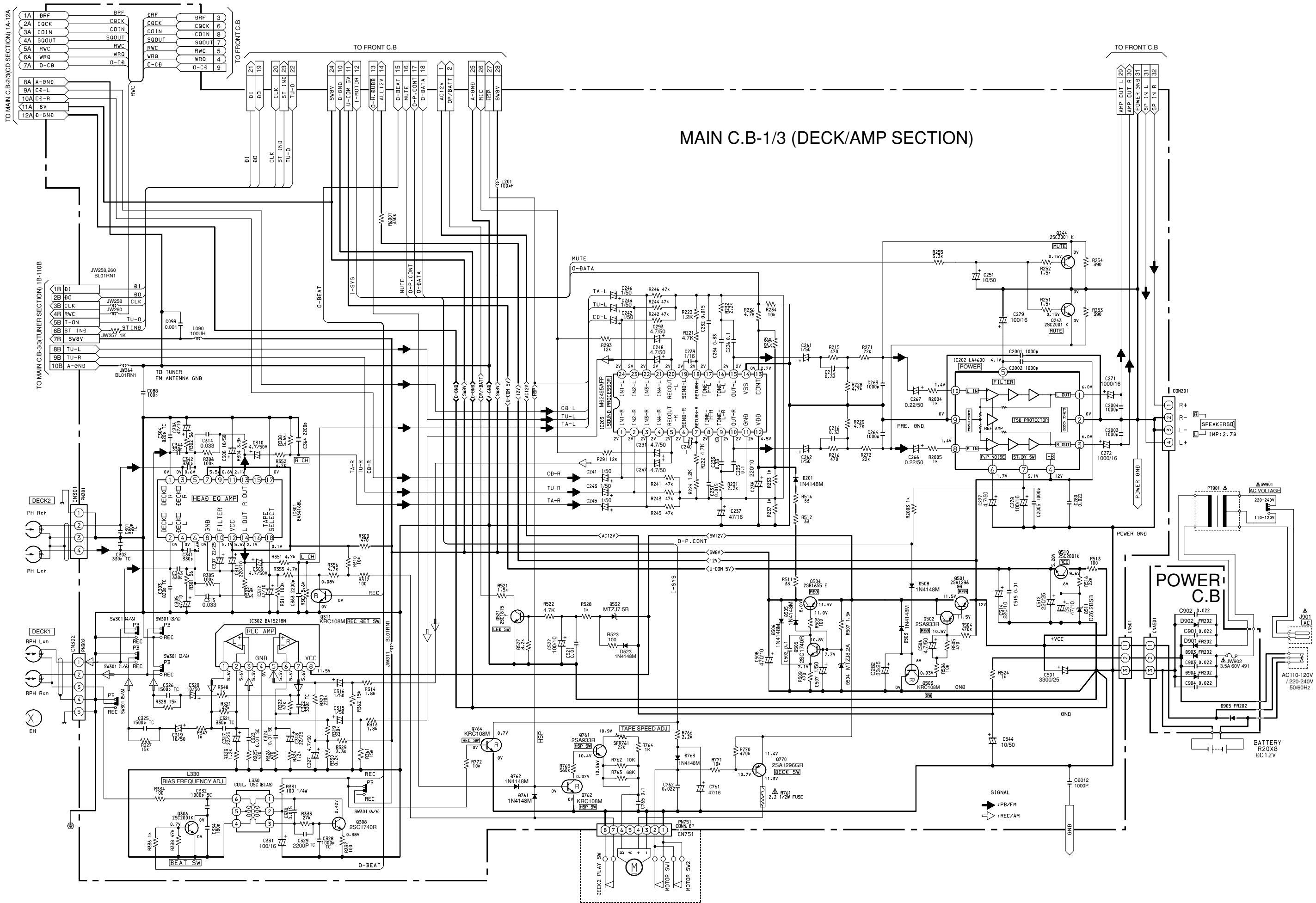


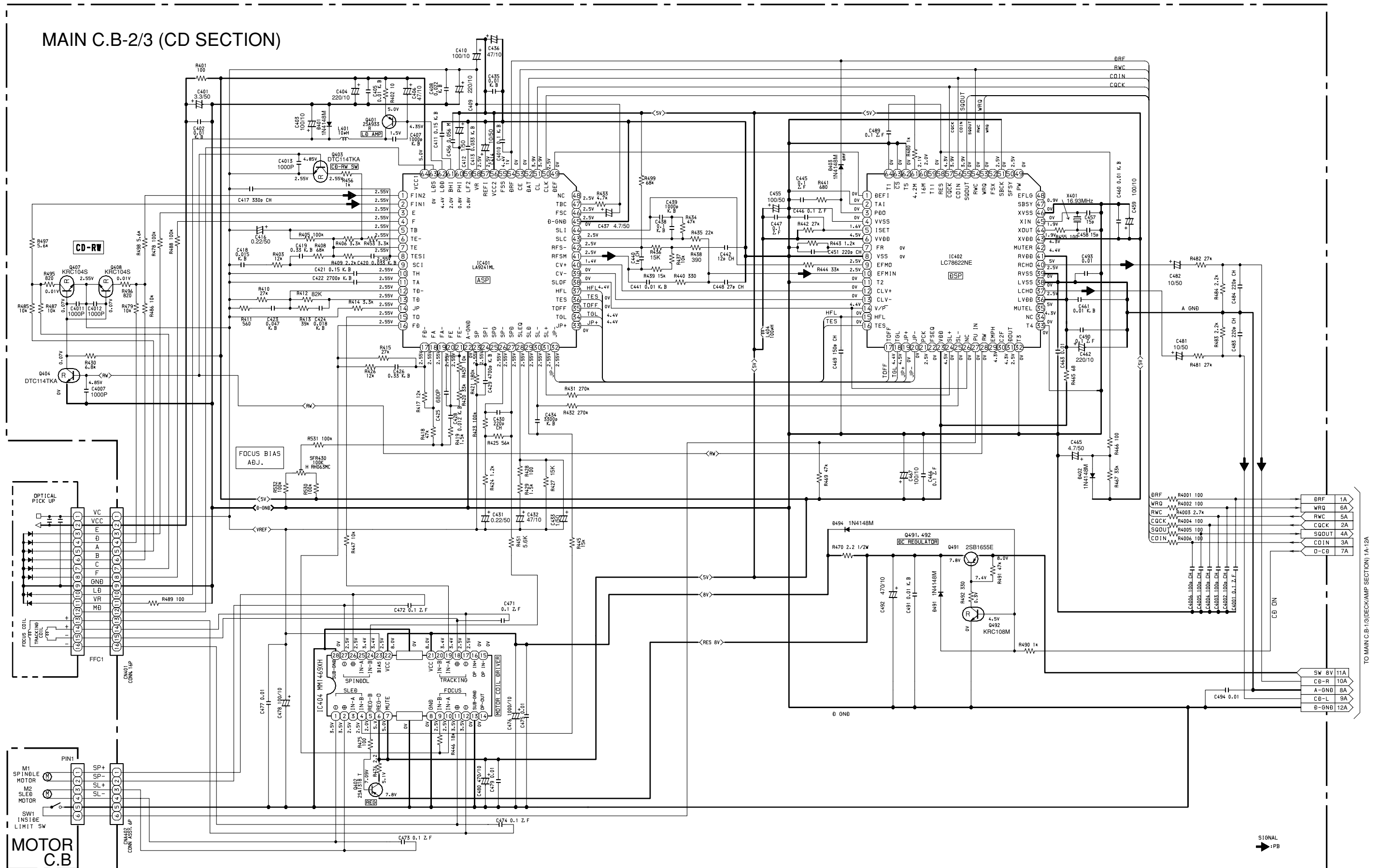
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DTC114TKA
DTC114YKA
KRC104S

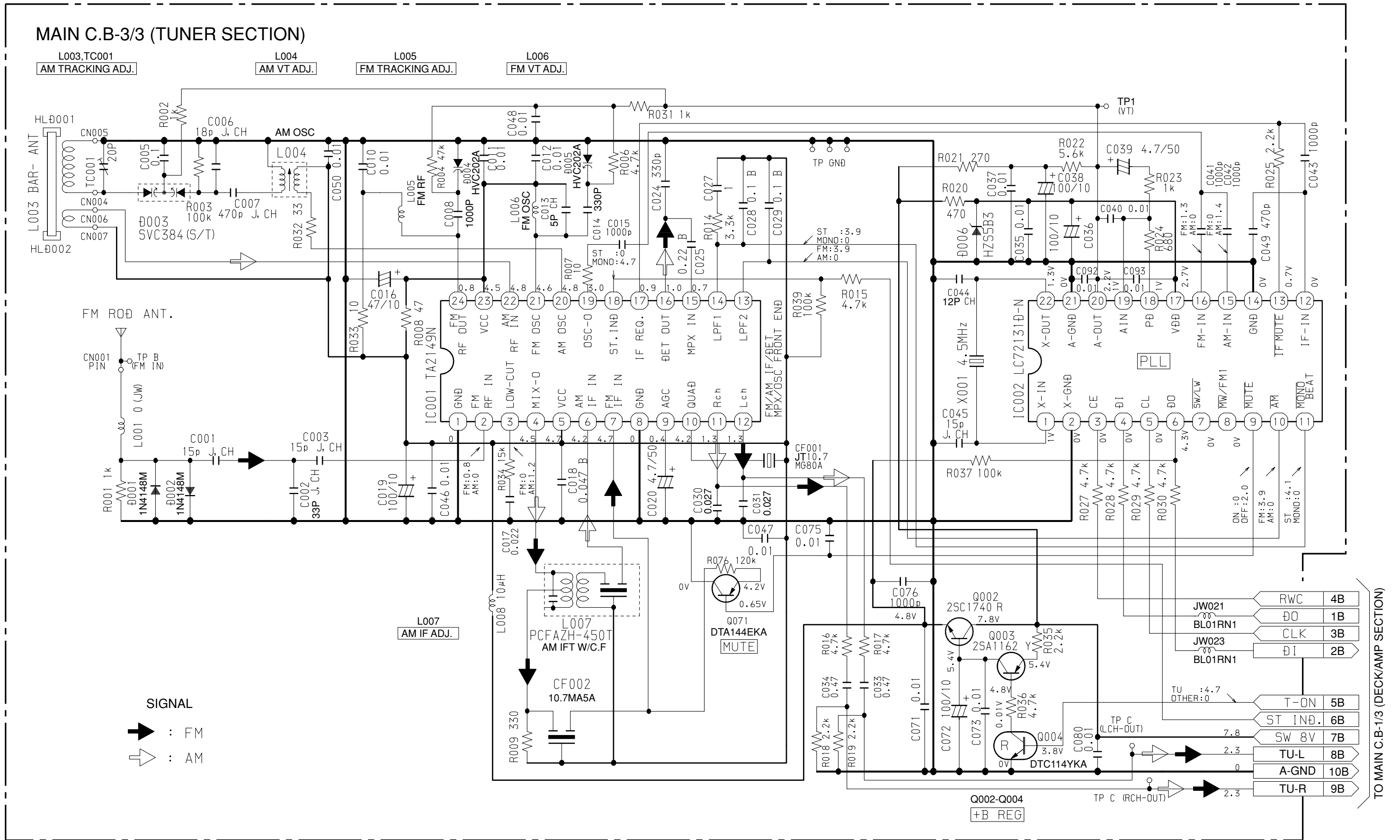




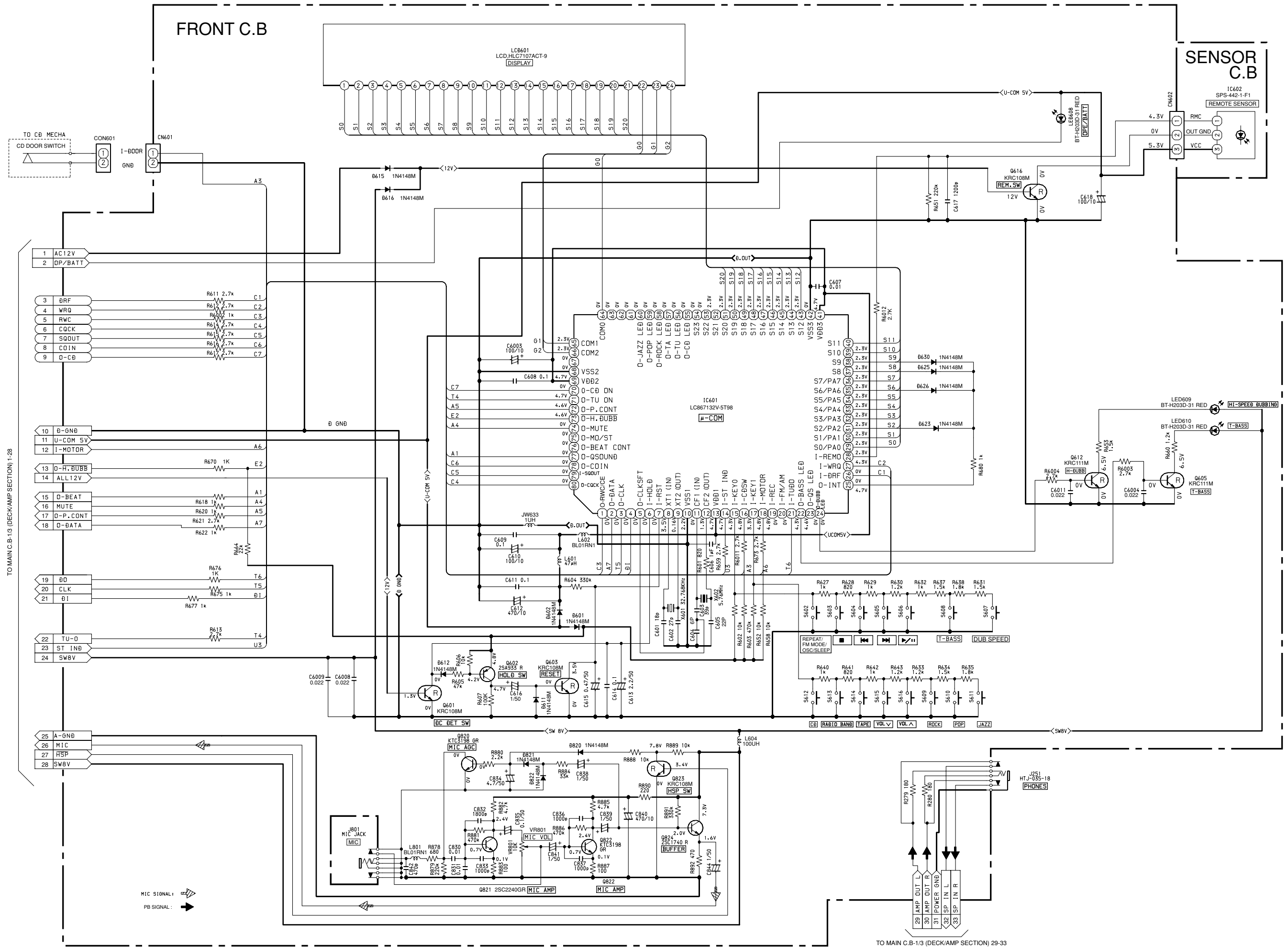
SCHEMATIC DIAGRAM - 1/4 (MAIN -1/3, DECK/AMP/POWER SECTION)

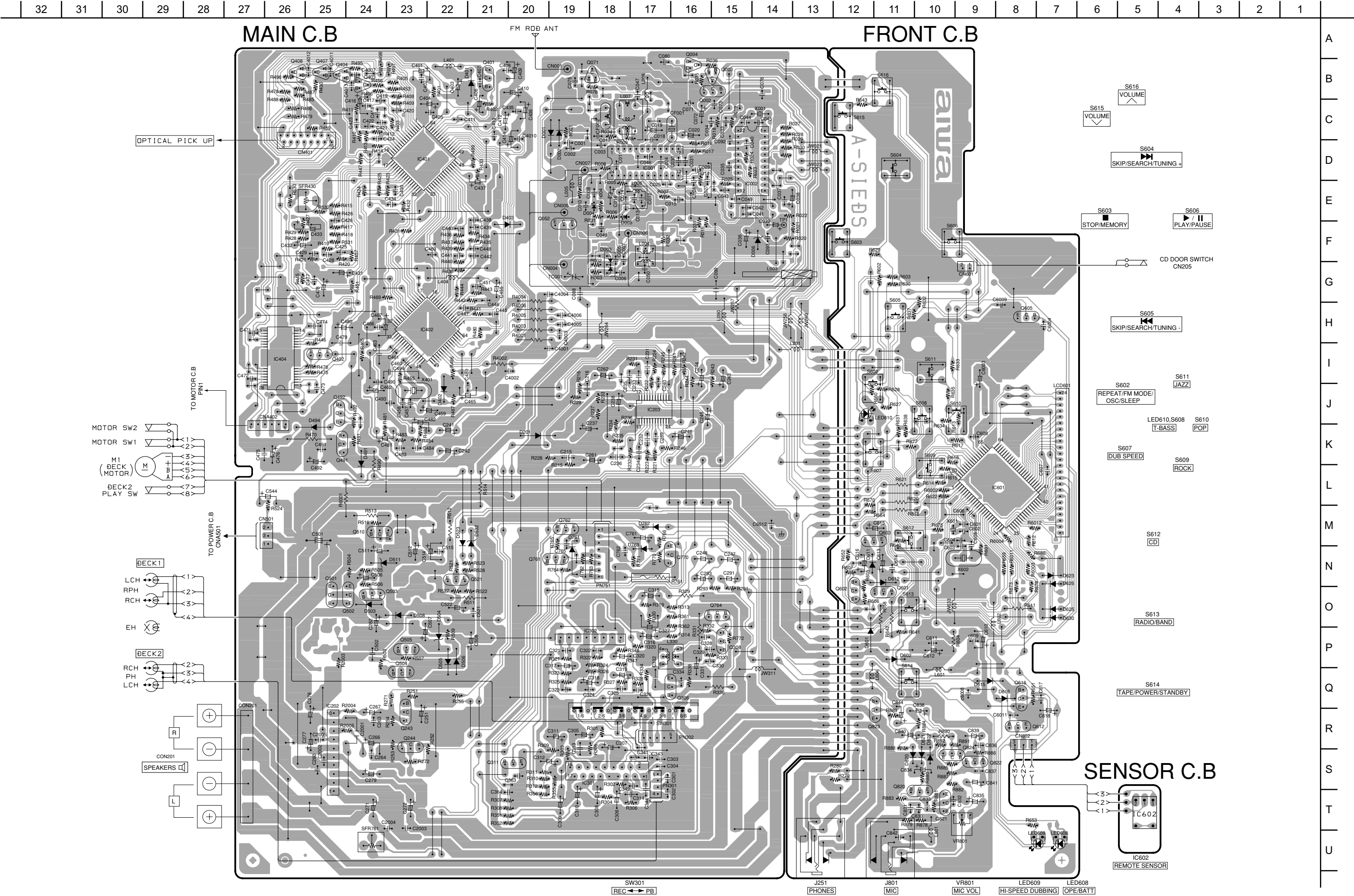




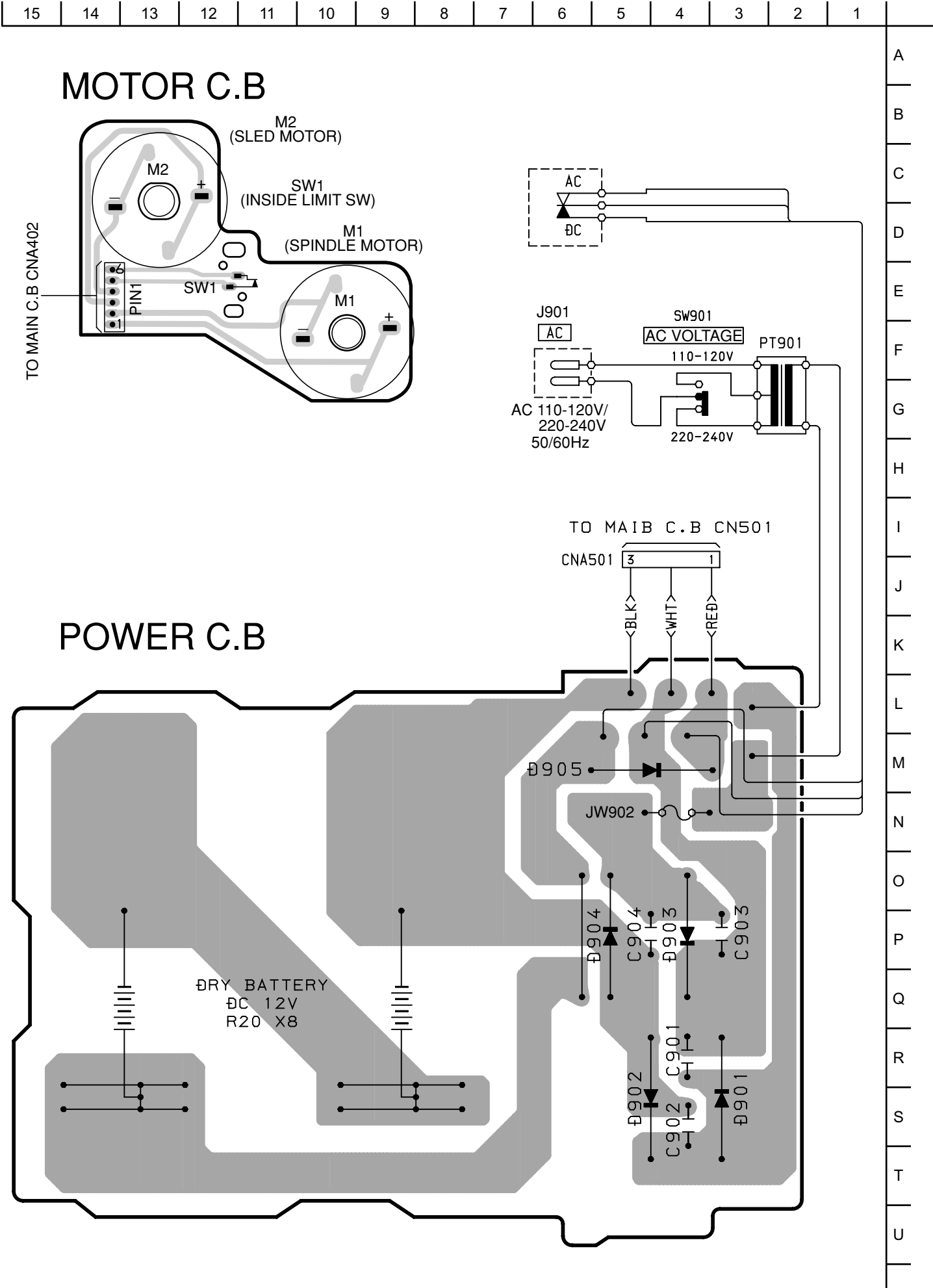


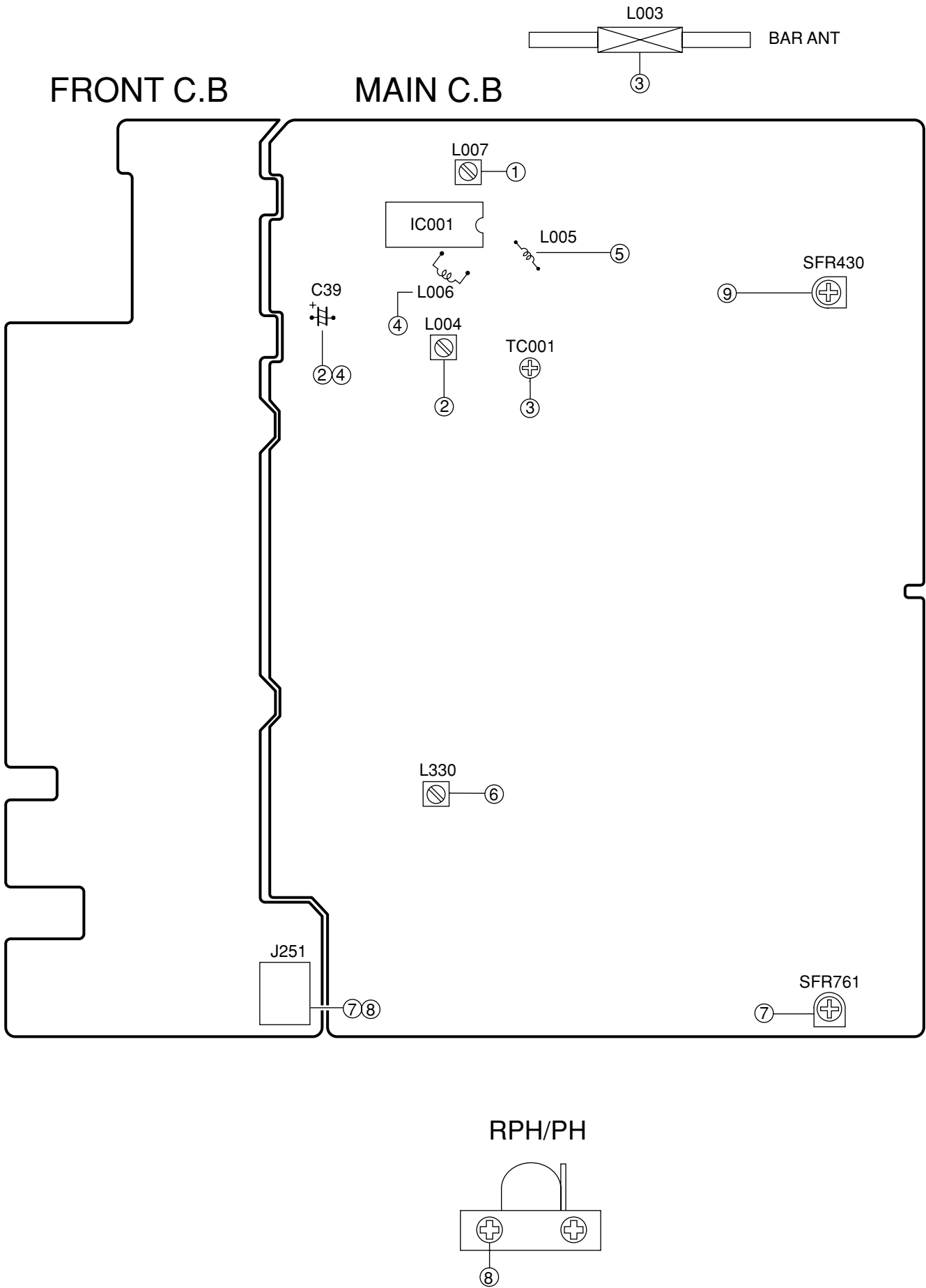
SCHEMATIC DIAGRAM - 4/4 (FRONT SECTION)





WIRING - 2/2 (POWER C.B / MOTOR C.B)





< TUNER SECTION >

1. AM IF Adjustment
L007 530 kHz
2. AM VT Adjustment
Settings: • Test point: C39⊕ (TP1)
• Adjustment location: L004
Method: Set to AM 1710 kHz adjust L004 so that the test point becomes 5.6 V ± 50 mV
3. AM Tracking Adjustment
L003 600 kHz
TC001 1400 kHz

4. FM VT Adjustment
Settings: • Test point: C39⊕ (TP1)
• Adjustment location: L006
Method: Set to FM 108 MHz adjust L006 so that the test point becomes 5.6 V ± 50 mV
5. FM Tracking Adjustment
L005 98 MHz

< TAPE SECTION >

6. Bias frequency Adjustment
L330 56 kHz ± 2 kHz
7. Tape speed Adjustment
Settings: • Test tape: TTA-100
• Test point: PHONES JACK (J251)
• Adjustment location: SFR761
Method: Play back the test tape and adjust so that the output frequency is 3000 Hz ±30 Hz.
8. Azimuth Adjustment
Settings: • Test tape: TTA-310
• Test point: PHONES JACK (J251)
• Adjustment location: Azimuth adjustment screw
Method: Play back the 8kHz signal of the test tape and adjust screw so that the output becomes maximum.

< CD SECTION >

9. Focus Bias Adjustment
Settings: • Test CD: TCD-782 (A-BEX)
• Test point: IC401 PIN20, PIN58
• Adjustment location: SFR430
Method: Play back the #15 of the test CD and adjust SFR430 so that the voltage between pin20 and pin 58 of IC401 becomes 0V ± 0.1 mV.

PRACTICAL SERVICE FIGURE

< TUNER SECTION >

< FM SECTION >

Sensitivity:	Less than 22 dB (87.5 MHz)
(THD 3%)	Less than 22 dB (98.0 MHz)
	Less than 22 dB (108.0MHz)
Signal to Noise Ratio:	More than 55 dB (at 98.0 MHz)
(Input 32 dB)	
Distortion:	Less than 3.0% (at 98.0 MHz)
(Input 32 dB)	
Intermediate frequency:	10.7 MHz ±0.3 MHz
Stereo separation:	More than 18 dB (at 1 kHz)

< AM SECTION >

Sensitivity:	Less than 52 dB (at 600 kHz)
(S/N 10 dB)	Less than 50 dB (at 1000 kHz)
	Less than 50 dB (at 1400 kHz)
Distortion:	Less than 3%
(Input 88 dB)	
Intermediate frequency:	530 kHz ± 5 kHz

< CASSETTE SECTION >

Tape speed:	3000 Hz ± 60 Hz
Wow & flutter:	Less than 0.35% (JIS RMS)
Take-up torque:	30-60 g-cm (DECK 1/2)
FF torque:	55-140 g-cm (DECK 1/2)
Rew torque:	55-140 g-cm (DECK 1/2)
Back tension:	1-5 g-cm
S/N ratio:	More than 50 dB (DC)
Distortion:	Less than 3.0% (PB)
Noise (PB):	Less than 0.9 mV (DC)
	Less than 15 mV
	(AC VOL max)

CD TEST MODE -1/1

1. Starting CD Test Mode

While pressing and holding down the CD Function button, insert the AC plug to outlet.
When test mode starts, the display appears all.

2. Exiting CD Test Mode

Press the other function keys, or remove the AC plug from outlet.

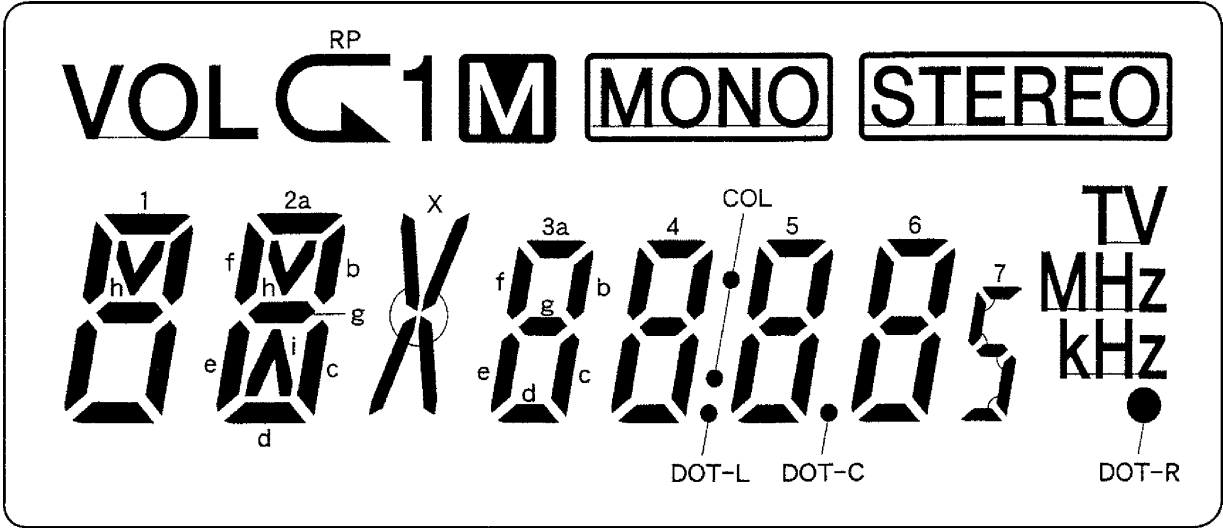
3. Function of CD Test Mode

No	Mode	Function Key	Display	Movement	Check
1	Start Mode	CD function button + AC IN	All lit	• TEST MODE starts • LCD all lit	• LCD check • Microcomputer check
2	Search Mode *2	STOP button	Normal	• Focus search continuous movement *1 • Spindle motor continuous kick	• APC circuit check • Laser current electricity measurement • Focus search waveform check • Focus error waveform check (DRF is ignored during search mode.)
3	Play Mode	PLAY button	Normal	• Normal playback • If TOC READ is unavailable, focus search is continued.	• Each servo circuit check • DRF waveform check • RF waveform check (1.8 Vp-p Approx.)
4	Sled mode	FF button	All lit	• PU moves to the innermost position. *3	• Sled circuit check • Mechanism movement check • PU check
		RWD button	All lit	• PU moves to the outermost position. *3	

* 1 ... When Focus Search operates continuously more than 10 minutes, the protection circuit is activated due to heat generation of the driver IC.
In this case, turn off the power, wait for approximately 10 minutes so that heat is released, and then restart.

* 2 ... It does not operate, unless CD DOOR SW turn on.

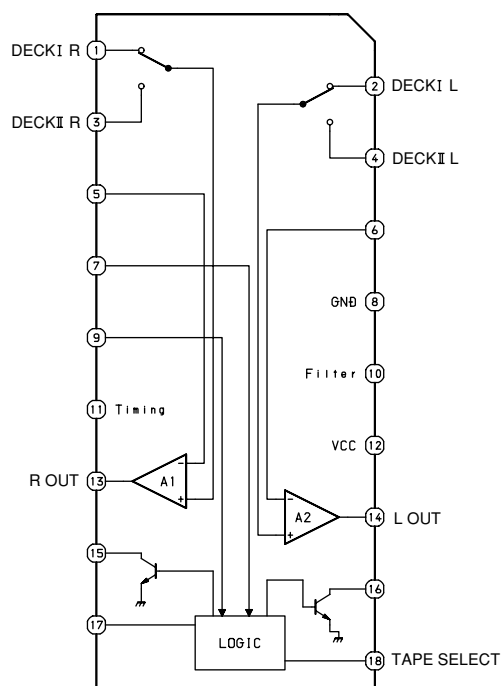
* 3 ... Be careful not to damage the gear because the sled motor rotates while the FF or RWD button is being pressed even if the pickup is located in the innermost track or the outermost track.



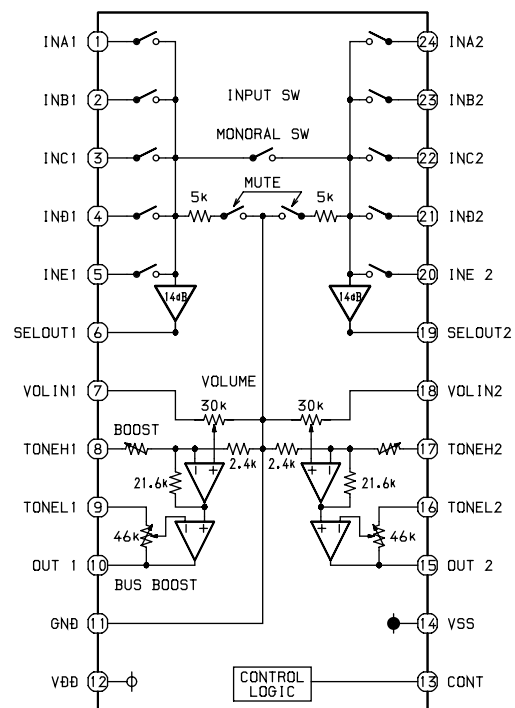
No	COM1	COM2	COM3
1	2b	2c	2d
2	1b	1c	1d
3	1a	1f	1e
4	1h	1g	VOL
5	2a	2f	2e
6	2h	2g	2 i
7	3f	3e	RP
8	3a	3g	3d
9	3b	3c	1
10	4f	4e	M
11	4a	4g	4d
12	4b	4c	X
13	COL	DOT-L	MONO
14	5f	5e	DOT-R
15	5a	5g	5d
16	5b	5c	DOT-C
17	6f	6e	STEREO
18	6a	6g	6d
19	6b	6c	7
20	TV	MHz	kHz
21	COM1	---	---
22	---	COM2	---
23	---	---	COM3

IC BLOCK DIAGRAM -1/2

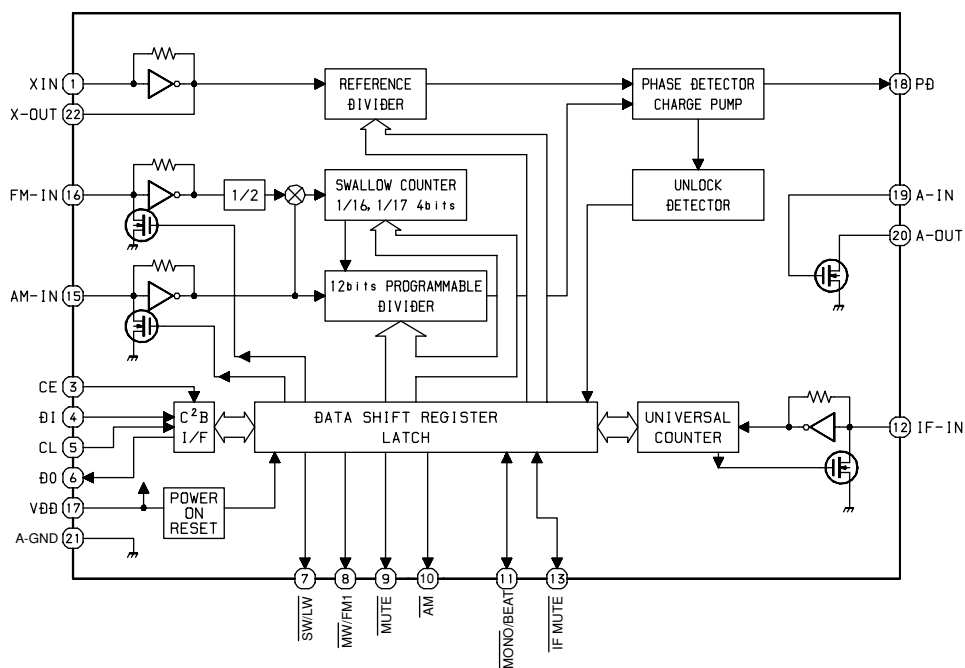
IC, BA3416BL



IC, M62495AFP

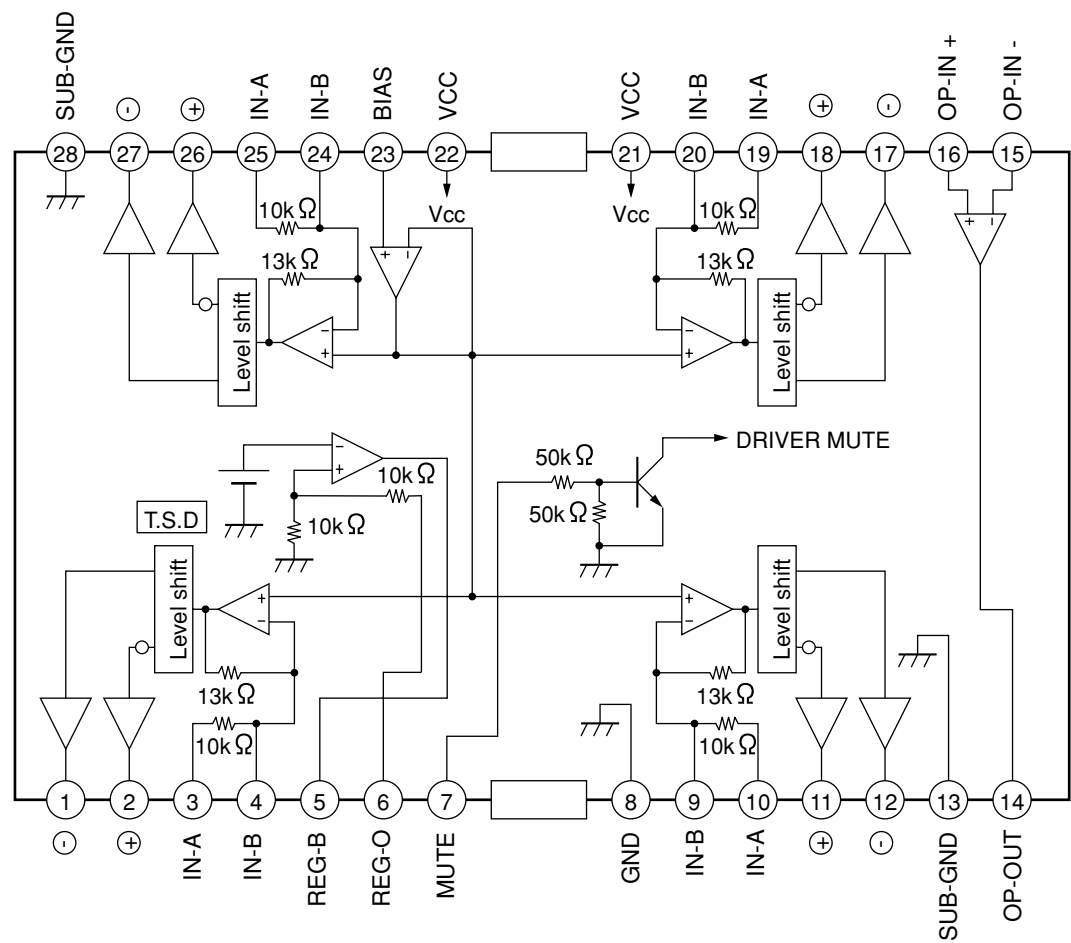


IC, LC72131D-N

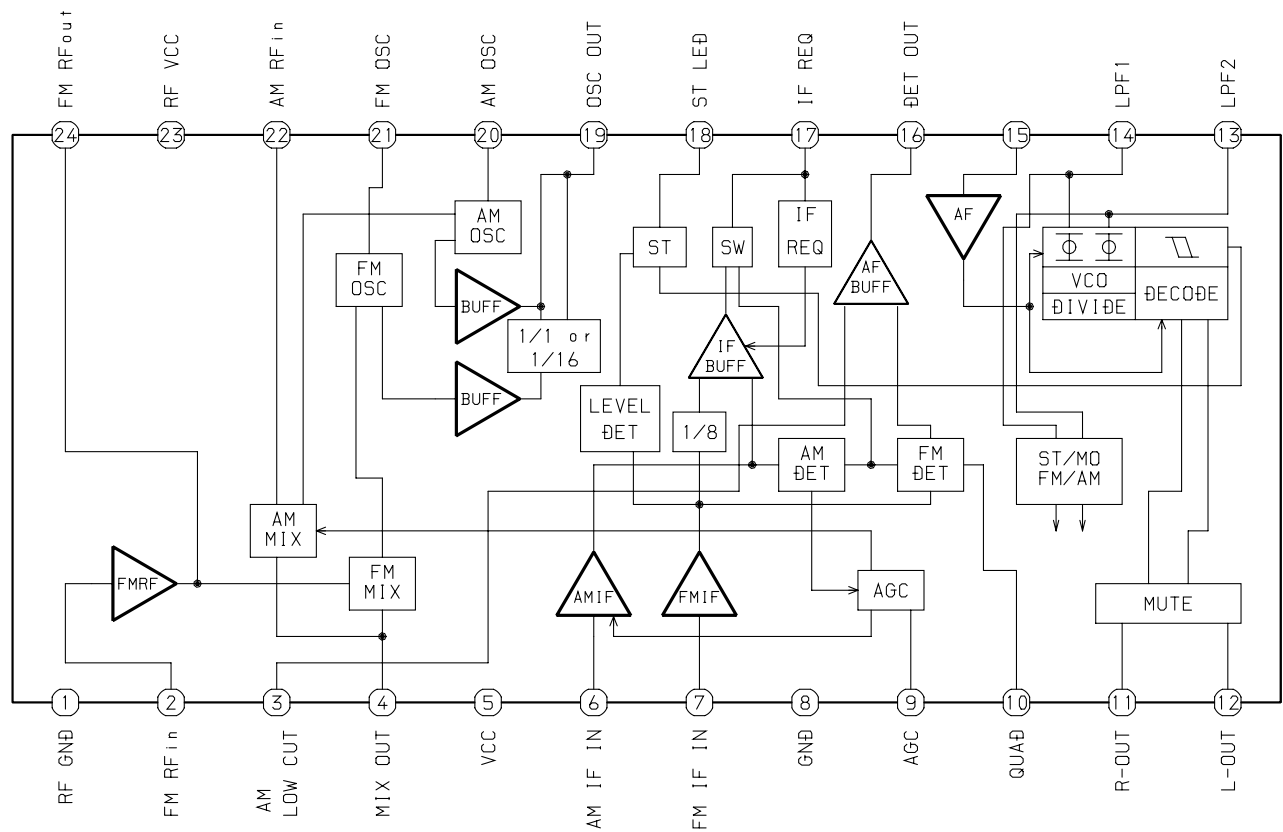


IC BLOCK DIAGRAM -2/2

IC, MM1469XH



IC, TA2149N



IC DESCRIPTION -1/3 (LA9241ML) -1/2

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	SP	O	Signal ended output of the CV+and CV- pin input signal.
24	SPI	I	Spindle amp input.
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.

IC DESCRIPTION -1/3 (LA9241ML) -2/2

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” RFlevel detector output.
55	FSS	I	“Focus Search Select” focus search mode ($\pm$ 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 DESCRIPTION -2/3 (LC78622NE) -1/2

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	For PLL. Phase comparator output pin to control external VCO.
4	VVSS	–	For PLL. GND pin for built-in VCO. Be sure to connect to 0V.
5	ISSET	I	For PLL. Pin to which external resistor adjusting the PD0 output current.
6	VVDD	–	For PLL. Power supply pin for built-in VCO.
7	FR	I	For PLL. 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	For slice level control. 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+, CLV-	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 1-bit DAC. L-channel power supply pin.
37	LCHO	O	L-channel 1-bit DAC. L-channel output pin.
38	LVSS	–	L-channel 1-bit DAC. 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 1-bit DAC. R-channel output pin.
41	RVDD	–	R-channel 1-bit DAC. R-channel power supply pin.
42	MUTER	O	R-channel 1-bit DAC. R-channel mute output pin.

IC DESCRIPTION -2/3 (LC78622NE) -2/2

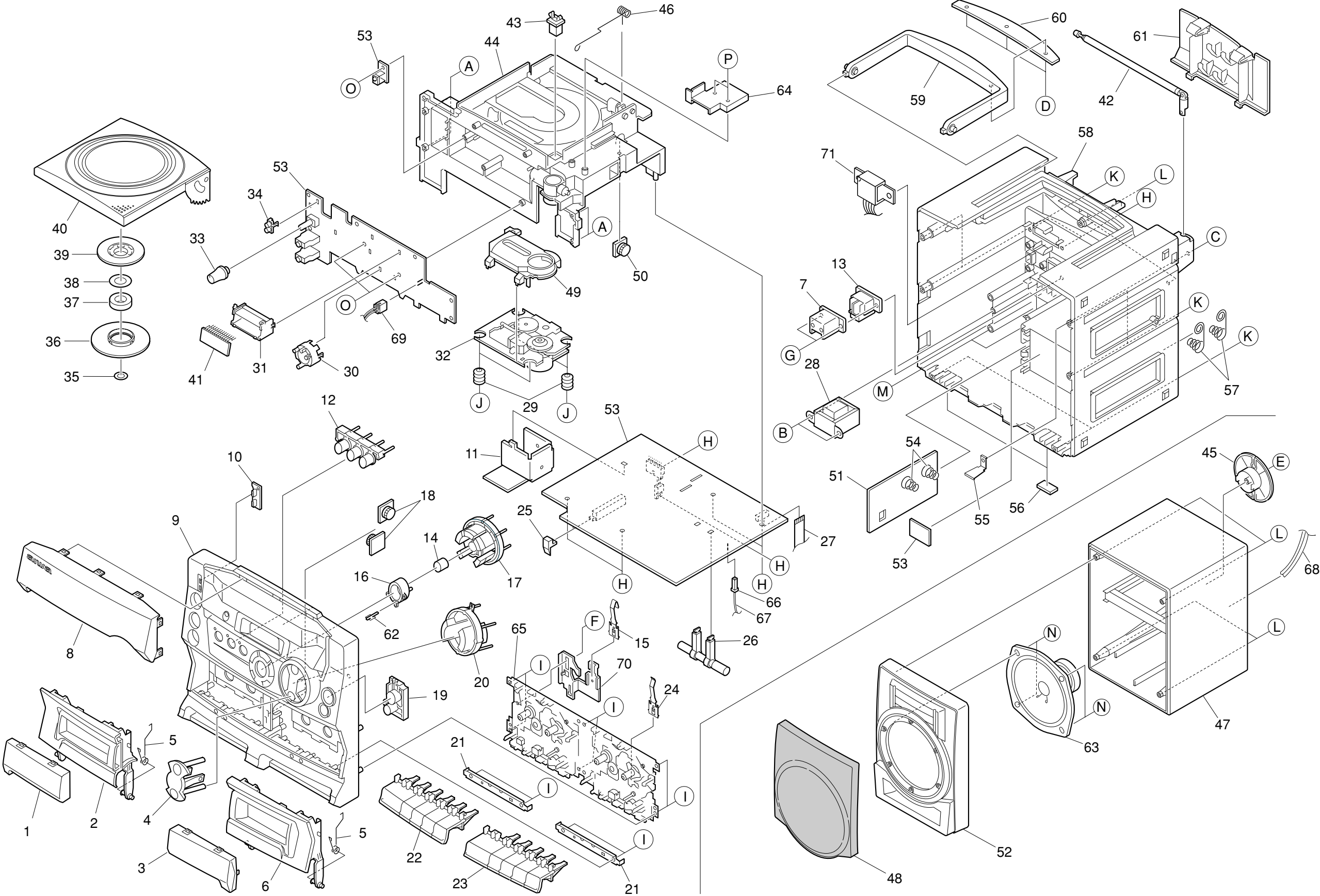
Pin No.	Pin Name	I/O	Description
43	XVDD	–	Crystal oscillator power supply pin.
44	XOUT	O	Pin to which external 16.9344 MHz crystal oscillator is connected.
45	XIN	I	
46	XVSS	–	Crystal oscillator GND pin. Be sure to connect to 0V.
47	SBSY	O	Subcode block sync signal output pin.
48	EFLG	O	C1, C2, single 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 DESCRIPTION -3/3 (LC867132V-5T98) -1/2

Pin No.	Pin Name	I/O	Description
1	O-RMC/CE	O	CD read/write control output and TU CE.
2	O-DATA	O	Data output to M62495FP.
3	O-CLK	O	Output CLK to tuner PLL.
4	—	—	Not Connected.
5	O-CLKSFT	O	Clock shift output of the microcomputer.
6	I-HOLD	I	Hold status detection.
7	I-RST	I	Microcomputer reset.
8	XT1 (IN)	I	Connected to 32.768KHZ crystal oscillator.
9	XT2 (OUT)	O	
10	VSS1	—	GND.
11	CF1 (IN)	I	Connected to 6MHZ Ceramic Filter.
12	CF2 (OUT)	O	
13	VDD1	—	Power supply for microcomputer (+5V).
14	I-ST IND	I	FM STEREO status input.
15	I-KEYO	I	KEY AD input.
16	I-CD SW	I	CD DOOR SW status detection input.
17	I-KEY1	I	KEY AD input.
18	I-MOTOR	I	DECK MECHA MOTOR status input.
19	I-REC	I	REC status input.
20	I-FM/AM	I	FM, AM status input. (Not connected)
21	I-TU DO	I	Data input from tuner PLL.
22	O-BASS LED	O	BASS LED ON/OFF control output. (Not connected)
23	O-QS LED	O	Q-Sound LED ON/OFF control output.
24	O-DUBB LED	O	LED control output used for high-speed dubbing.
25	O-INT	O	INT DIODE MATRIX detection output.
26	I-DRF	I	CD RF level detection input.
27	I-WRQ	I	CD sub-code Q standby input.
28	I-REMO	I	Remote control input.
29	S0-PA0	O	LCD segment output.
30	S1/PA1	O	LCD segment output.
31	S2/PA2	O	LCD segment output.
32	S3/PA3	O	LCD segment output.
33	S4/PA4	O	LCD segment output.
34	S5/PA5	O	LCD segment output.
35	S6/PA6	O	LCD segment output.
36	S7/PA7	O	LCD segment output.
37 ~ 40	S8~S11	O	
41	VDD3	—	Power supply for microcomputer (+5V).
42	VSS3	—	GND.
43 ~ 54	S12~S23	O	LCD segment output.
55	O-CD LED	O	LED ON/OFF control output for CD functions.

IC DESCRIPTION -3/3 (LC867132V-5T98) -2/2

Pin No.	Pin Name	I/O	Description
56	O-TU LED	O	LED ON/OFF control output for TU functions.
57	O-TA LED	O	LED ON/OFF control output for TAPE functions. (Not Connected)
58	O-ROCK LED	O	LED ON/OFF control output for ROCK.
59	O-POP LED	O	LED ON/OFF control output for POP.
60	O-JAZZ LED	O	LED ON/OFF control output for JAZZ.
61 ~ 63	—	—	Not connected.
64 ~ 66	COM0-COM2	O	LCD common output.
67	—	—	Not connected.
68	VSS2	—	GND.
69	VDD2	—	Power supply for microcomputer (+5V).
70	O-CD ON	O	CD PWR control output.
71	O-TU ON	O	TU PWR control output.
72	O-P.CONT	O	Power supply control output.
73	$\overline{\text{O-H DUBB}}$	O	Dubbing speed control output.
74	O-MUTE	O	Main mute output.
75	O-MO/ST	O	FM mono/stereo output. (Not connected)
76	O-BEAT CONT	O	BEAT switch over output.
77	O-QSOUND	O	Q-Sound ON/OFF output. (Not connected)
78	O-COIN	O	CD command output.
79	I-SQOUT	I	CD sub-code Q input.
80	O-CQCK	O	CLK for CD commands/sub-codes.



MECHANICAL PARTS LIST -1/2

! = SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					CA-DW540 LHSTC
		O MC1001	8A-CT9-006-110	WINDOW CASS L (AS)	a
		O MC1002	8A-CT9-002-110	BOX CASS L (PS)	a
		O MC1003	8A-CT9-007-110	WINDOW CASS R (AS)	a
		O MC1004	8A-CT9-011-110	BTN CD A (ABS)	a
		O MC1005	SF-410-036-80H	SPRING-T CASS (SUS304)	a
		O MC1006	8A-CT9-003-110	BOX CASS R (PS)	a
		O MC1007	87-A92-285-010	AC SOCKET COVER	a
		O MC1008	8A-CT9-008-010	WINDOW DISP (AS)	a
		O MC1009	8A-CT6-001-210	CABI FR (PS) LH	a
		O MC1010	8A-CT9-021-010	LENS, POWER (AS)	a
		X MC1011	8A-CT9-214-010	HT-SINK, MAIN (AL)	a
		O MC1012	8A-CT9-010-110	KEY FUNC (ABS)	a
	!	O MC1013	87-A61-455-010	AC JACK W/SW	a
		O MC1014	8C-NF7-903-110	BTN T-BASS	a
		O MC1015	8A-CT6-913-010	SPRING-P REC B (SUS304)	a
		O MC1016	8A-CT9-212-010	HLDR LENS GEQ (ABS)	a
		O MC1017	8A-CT9-015-110	BTN GEQ (ABS)	a
		O MC1018	SF-430-173-80F	OIL DMPR ASS Y CASS.	a
		O MC1018a	8C-CH4-213-010	GEAR OIL DMPR (POM)	a
		O MC1018b	8C-CH4-212-010	BRACKET OIL DMPR (POM)	a
					CA-DW540 LHSTC
		O MC1019	8A-CT9-015-110	BTN UOL (ABS)	a
		O MC1020	8A-CT9-012-110	BTN CD B (ABS)	a
		O MC1021	8A-CT9-208-010	HOLDER KEY CASSETTE (SECC 20/2)	a
		O MC1022	8A-CT9-013-110	KEY CASS L (ABS)	a
		O MC1023	8A-CT9-014-110	KEY CASS R (ABS)	a
		O MC1024	8A-CT9-216-010	SPRING-P REC B (SUS304)	a
		O MC1025	8A-CT9-205-110	HOLDER RECORD (ABS)	a
		O MC1026	88-CD6-661-010	BAR ANTENNA HOLDER	a
		O MC1027	SW-F16-F44-29S	FFC WIRE 16P (1.0mmpich)	a
	!	O MC1028	8B-CT5-622-010	TRANSFORMER 115/230V DC=12.5V	a
		O MC1029	88-CHE-210-010	CUSHION CD A	a
		O MC1030	8A-CT9-211-010	HOLDER Q-SOUND (ABS)	a
		O MC1031	8A-CT9-205-210	LCD HOLDER (ABS)	a
		X MC1032	M8-8ZK-390-070	KSM-213CDM	a
		O MC1033	8A-CT9-017-110	KNOB RTRY MIC (ABS)	a
		O MC1034	8A-CT9-204-010	HLDR, POWER (ABS)	a
		O MC1035	SF-440-387-20H	RUBBER RING (RUBBER)	a
		O MC1036	8B-CH4-223-010	BASE CHUCK N (ABS)	a
		O MC1037	87-036-368-010	MAGNET (MAGNET)	a
		O MC1038	86-CT9-222-010	MAGNET PLATE (SECC 20/20) (SE	a
					CA-DW540 LHSTC
		O MC1039	86-CD4-225-110	HLDR, CHUCK A (ABS)	a
		O MC1040	SF-230-105-00Z	BOX CD (HIPS)	a
		O MC1041	SV-LOR-YP0-46Y	LCD	a
		O MC1042	87-A92-048-010	ANT, ROD	a
		O MC1043	87-036-389-010	PUSH LOCK SW	a
		O MC1043	87-A92-112-010	PUSH LOCK SW	a
		O MC1044	8A-CT6-204-010	CHAS CD	a
		O MC1045	8B-CTA-029-110	HOLDER CORD (PS)	a
		O MC1046	SF-310-006-70H	SPR-T, CD (SUS304)	a
		O MC1047	86-CT9-118-210	(PS) CABI SPRK REAR R	a
		O MC1047	86-CT9-117-010	CABINET SKP REAR L (HIPS)	a
		O MC1047a	SF-470-000-40F	WOOD HOLDER	a
		O MC1048	SF-110-004-50W	PPK GRILL (STEEL)	a
		O MC1048	SF-110-004-60W	SPRK GRILLE (SECEP)	a
		O MC1049	88-CH6-019-110	PANEL CD (ABS)	a
		O MC1050	SF-430-173-90F	OIL DMPR ASS Y CD	a
		O MC1050a	8C-CH4-213-010	GEAR OIL DMPR (POM)	a
		O MC1050b	8C-CH4-212-010	BRACKET OIL DMPR (POM)	a
		X MC1051	8A-CT9-622-010	POWER PWB U/D	a
		O MC1052	SF-130-100-30Z	SPRK PANEL L (HIPS)	a
					CA-DW540 LHSTC
		O MC1052	SF-130-100-40Z	SPRK PANEL R (HIPS)	a
		X MC1053	SB-F01-606-40D	MAIN PWB 2B 245x249mm	a
		O MC1054	86-CT9-213-010	SPRING-C BATTERY (-) (SUP-KM)	a
		O MC1055	8A-CT9-207-010	HOLDER ANTENNA (SPTE)	a
		O MC1056	86-CT9-223-010	FOOT CUSHION (EVA) (POROM)	a
		O MC1057	8A-CT9-212-010	SPRING-C BATTERY LINK (SUP-KM)	a
		O MC1058	8A-CT6-036-010	CABI REAR (LH) (PS)	a
		O MC1059	8Z-CT9-076-110	HAND ARM (PS)	a
		O MC1060	8Z-CT9-077-110	COVER HAND (PS)	a
		O MC1061	8Z-CT9-075-110	LID BATT (PS)	a
		O MC1062	SF-430-118-00J	LENS Q-SOUND (AS)	a
		O MC1063	8A-CT6-630-010	SPEAKER 2.7ohm	a
		O MC1064	SF-430-094-90J	CHAS, TUN (ABS)	a
		X MC1065	SZ-ZM2-PR3-NC1	CASS DECK ASS Y ZZM-2PR3NC1	a
		O MC1066	8A-CT6-627-010	CONNECTOR HOUSING 1P	a
		X MC1067	8A-CDB-628-010	WIRE ASS Y FM-ANT 260mm #26	a
		O MC1068	8Z-CT6-646-010	SPEAKER CORD L=2000mm	a
		O MC1069	8Z-CT9-641-010	CONNECTOR ASS Y 2P	a
		O MC1070	8A-CT9-215-010	PLATE REC A (SUS304)	a
		O MC1070	8A-CT9-215-020	PLATE REC A (SUS304)	a

MECHANICAL PARTS LIST -2/2

! =  SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

However, please note that not all components will be available as spare parts for after-sales service.

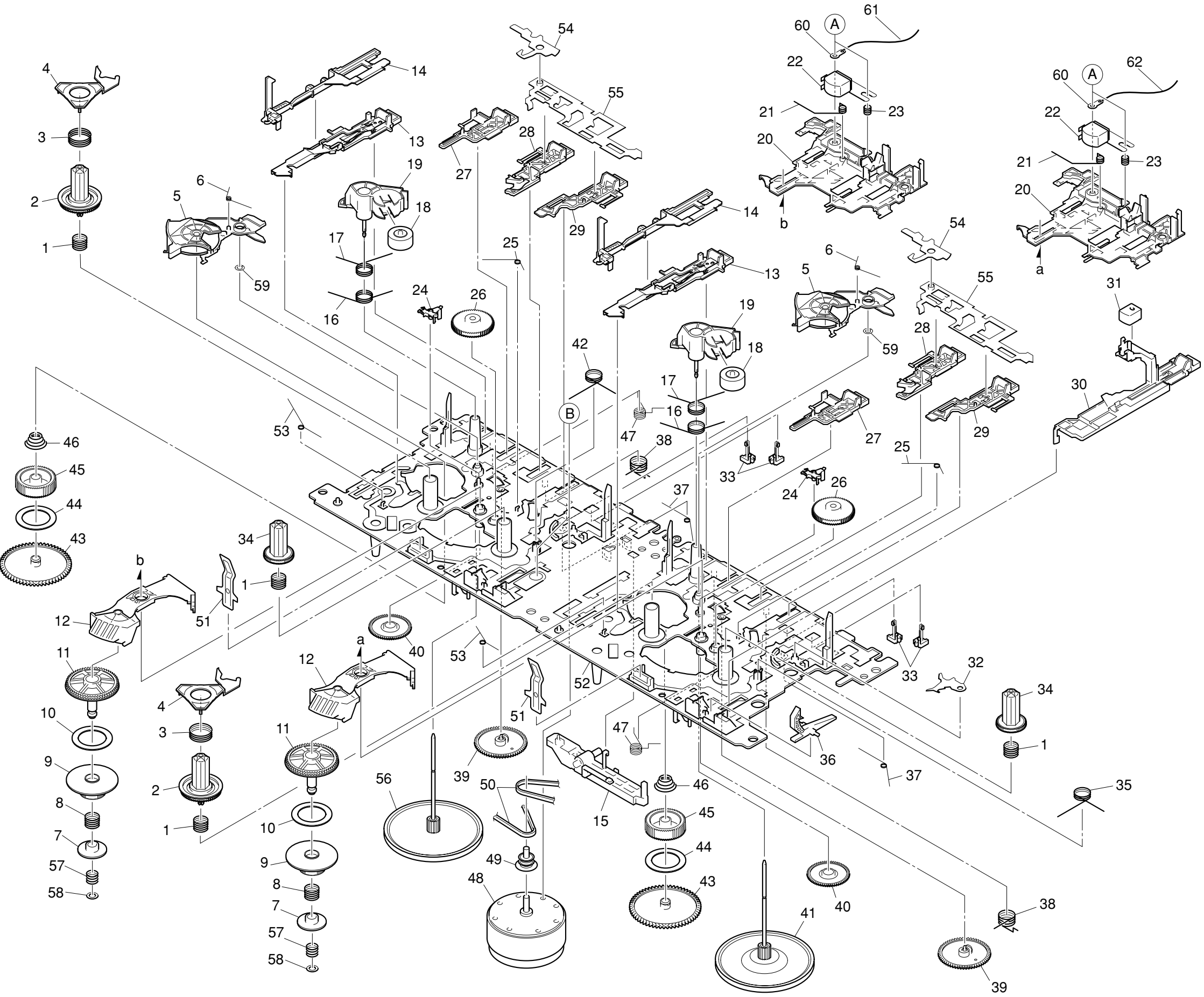
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					CA-DW540
					LHSTC
	O	MC1071	87-A91-370-010	POWER VOLTAGE SW	a
	O	MC1A	ST-BM0-318-P0C	TAPPING SCREW ,3x18	a
	O	MC1B	87-254-097-410	TAPPING SCREW,3x12 ZMC-3	a
	O	MC1C	87-721-097-410	TAPPING SCREW 3x12	a
	O	MC1D	87-721-095-410	SCREW ,3x8 NI	a
	O	MC1E	87-067-566-010	SELF-TAPPING SCREW , 3x12	a
	O	MC1F	87-CDA-222-010	SEL-TAPPING SCREW WITH WASHER	a
	O	MC1G	87-352-075-210	TAPPING SCREW (BIND H.D) ,2.6	a
	O	MC1H	87-B10-365-010	TAPPING SCREW,3x10	a
	O	MC1I	87-741-097-410	TAPPING SCREW ,3x12	a
	O	MC1J	8A-CK4-223-010	SCREW CD (SUS-304)	a
	O	MC1K	87-751-104-410	SELF-TAPPING SCREW,3x30	a
	O	MC1L	87-B10-364-010	3x16 (TAPTITE SCREW TYPE-P)	a
	O	MC1M	SF-440-071-50S	WASHER (FIBER PAPER),8x3.2x1	a
	O	MC1N	87-751-095-410	TAPPING SCREW , 3x8	a
	O	MC1O	87-761-095-410	TAPPING SCREW,3x8 ZMC-3	a
	O	MC1P	ST-PM0-312-P1C	TAPPING SCREW ,3x12	a

COLOR NAME TABLE -1/1

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
LA	Aqua Blue	GL	Light Green	HT	Transparent Gray
HM	Metallic Gray	NH	Champagne Gold	M	Wood Pattern



TAPE MECHANISM PARTS LIST -1/1 <ZMZ-2 PR3NC1>

! = SAFETY PARTS

C = Components marked

All components used on this model at the production line are shown in this service manual.

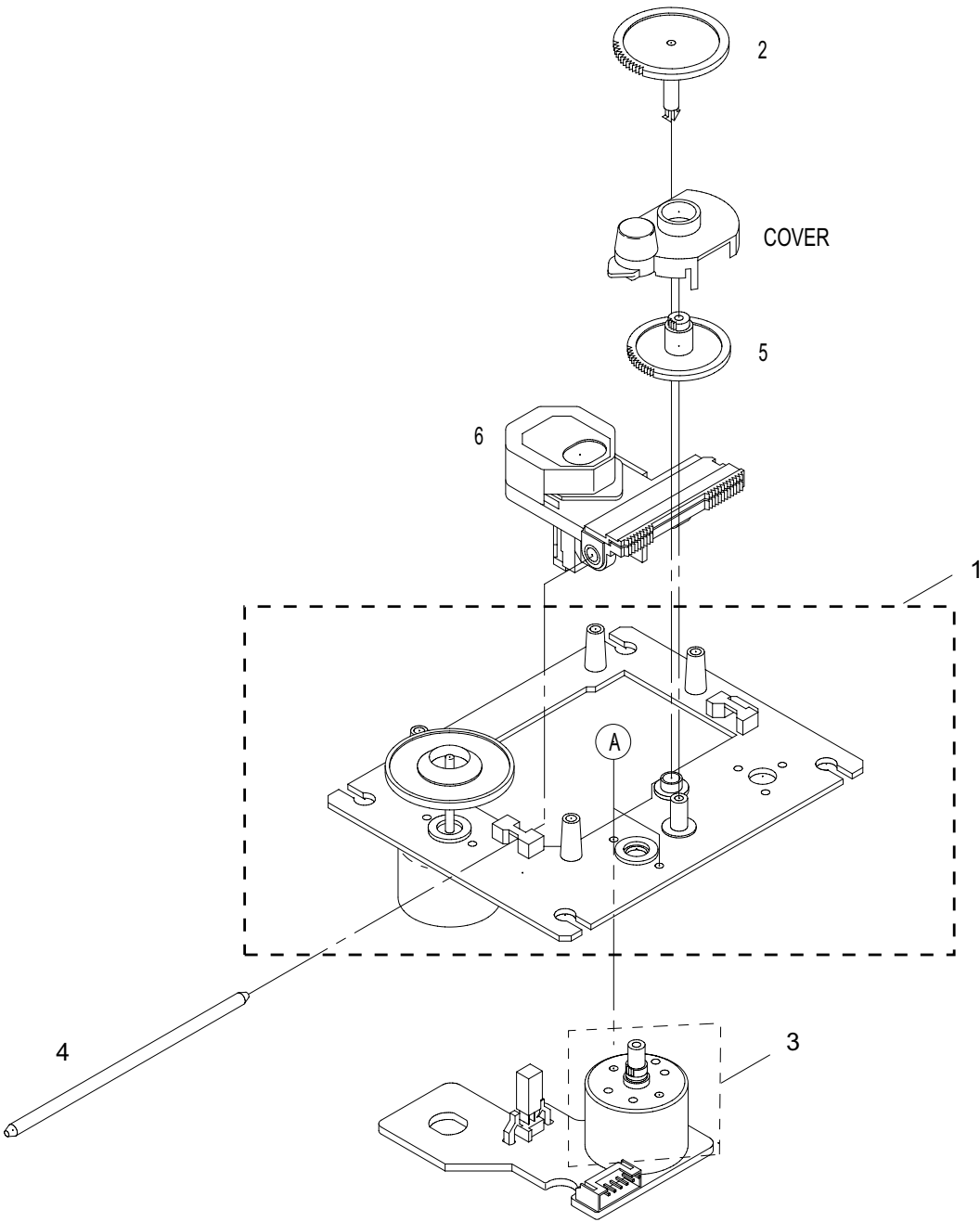
However, please note that not all components will be available as spare parts for after-sales service.

Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.

Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					ZMZ-2 PR3NC1
	O	ST1001	8Z-ZM1-254-410	SPR-C, REEL R	a
	O	ST1002	8Z-ZM1-225-110	GEAR, REEL R	a
	O	ST1003	8Z-ZM1-289-010	SPR-C, AUTO SENSOR C	a
	O	ST1004	8Z-ZM1-217-110	LEVER, AUTO SENSOR	a
	O	ST1005	8Z-ZM1-212-210	LEVER, T-UP	a
	O	ST1006	8Z-ZM1-245-310	SPR-T, AUTO	a
	O	ST1007	8Z-ZM1-236-010	CLR, SLIP FF/REW	a
	O	ST1008	8Z-ZM1-288-010	SPR-C, FF/REW C	a
	O	ST1009	8Z-ZM2-213-010	GEAR, SLIP FR A ZMZ-2	a
	O	ST1010	8Z-ZM1-269-010	FELT, FF/REW 2	a
	O	ST1011	8Z-ZM1-238-110	GEAR, SLIP FF/REW B 2	a
	O	ST1012	8Z-ZM1-237-110	LEVER, FF/REW 2	a
	O	ST1013	8Z-ZM1-209-810	LEVER, PAUSE	a
	O	ST1014	8Z-ZM1-218-410	LEVER, E-LOCK H	a
	O	ST1015	8Z-ZM2-210-010	LEVER, BRIDGE	a
	O	ST1016	8Z-ZM1-244-210	SPR-T, T-UP	a
	O	ST1017	8Z-ZM1-286-010	SPR-T, PINCH C	a
	O	ST1018	8Z-ZM1-291-010	ROLLER ASSY, PINCH Y	a
	X	ST1018a	8Z-ZM1-292-010	CLR, ROLLER Y	a
	X	ST1018b	8Z-ZM1-293-010	ROLLER, PINCH Y	a
					ZMZ-2 PR3NC1
	O	ST1019	8Z-ZM1-221-310	LEVER, PINCH	a
	O	ST1020	8Z-ZM1-205-510	LEVER, PLAY	a
	O	ST1021	8Z-ZM1-248-310	SPR-T, BRG	a
	O	ST1022	87-A90-403-210	HEAD, RPH MS15R	a
	O	ST1023	84-ZM2-227-310	SPR-C, AZIMUTH	a
	O	ST1024	8Z-ZM1-216-210	LEVER, AUTO	a
	O	ST1025	8Z-ZM1-246-110	SPR-T, AUTO 2	a
	O	ST1026	8Z-ZM2-214-110	GEAR, IDL REW ZMZ-2	a
	O	ST1027	8Z-ZM2-212-110	LEVER, STOP ZMZ-2	a
	O	ST1028	8Z-ZM1-207-010	LEVER, FF	a
	O	ST1029	8Z-ZM1-206-010	LEVER, REW	a
	O	ST1030	8Z-ZM1-211-210	LEVER, REC 2	a
	O	ST1031	87-A91-819-010	HEAD, EH 2NSS-2200	a
	O	ST1032	8Z-ZM2-218-010	LEVER, REC LOCK ZMZ-2	a
	O	ST1033	87-A91-492-010	SW, LEAF MSW18560	a
	O	ST1034	8Z-ZM1-226-010	GEAR, REEL L	a
	O	ST1035	8Z-ZM1-241-310	SPR-T, PLAY	a
	O	ST1036	8Z-ZM1-220-110	LEVER, REC SENSOR	a
	O	ST1037	8Z-ZM1-287-010	SPR-T, FR C	a
	O	ST1038	8Z-ZM1-242-410	SPR-T, FF/REW	a
					ZMZ-2 PR3NC1
	O	ST1039	8Z-ZM3-244-110	GEAR, CAM TD20	a
	O	ST1040	8Z-ZM1-232-010	GEAR, IDL FF/REW	a
	O	ST1041	8Z-ZM1-290-010	FLY-WHL ASSY, ZMZ-1	a
	X	ST1041a	8Z-ZM3-228-210	FLY-WHL, M3	a
	X	ST1041b	8Z-ZM1-267-110	SHAFT, CAPSTAN 2	a
	O	ST1042	8Z-ZM2-217-010	SPR-T, PLAY 2	a
	O	ST1043	8Z-ZM1-228-010	GEAR, SLIP T-UP B	a
	O	ST1044	8Z-ZM1-265-010	FELT, T-UP	a
	O	ST1045	8Z-ZM1-227-010	GEAR, SLIP T-UP A	a
	O	ST1046	8Z-ZM1-251-310	SPR-C, T-UP SLIP	a
	O	ST1047	8Z-ZM1-243-410	SPR-T, STOP/PAUSE	a
	O	ST1048	87-A91-532-010	MOT, MS15U2LW1A	a
	O	ST1049	8Z-ZM1-235-010	PULLEY, MOT	a
	O	ST1050	8Z-ZM2-216-010	BELT, MAIN M	a
	O	ST1051	8Z-ZM1-294-010	SPR-P, CAS 3	a
	O	ST1052	8Z-ZM2-201-810	CHAS ASSY, ZMZ-2	a
	X	ST1052a	8Z-ZM2-202-810	CHAS ASSY, OUT-SERT ZMZ-2	a
	X	ST1052b	8Z-ZM2-203-310	CHAS, ZMZ-2	a
	X	ST1052c	8Z-ZM1-268-010	BRG, METAL	a
	O	ST1053	8Z-ZM1-255-410	SPR-T, E-LOCK	a
					ZMZ-2 PR3NC1
	O	ST1054	8Z-ZM2-219-110	LEVER, E-OPEN ZMZ-2	a
	O	ST1055	8Z-ZM1-214-410	LEVER, LOCK	a
	O	ST1056	8Z-ZM2-230-010	FLY-WHL ASSY, ZMZ-2	a
	X	ST1056a	8Z-ZM2-211-310	FLY-WHL, ZMZ-2	a
	X	ST1056b	8Z-ZM1-267-110	SHAFT, CAPSTAN 2	a
	O	ST1057	8Z-ZM1-257-210	SPR-C, F/R	a
	O	ST1058	8Z-ZM1-275-010	W-L, 1.47-4-0.25	a
	O	ST1059	87-B10-301-010	W-L, 1.63-3.2-0.5 SLIT	a
	X	ST1060	87-450-411-010	TERMINAL, LB 1	a
	X	ST1061	89-930-090-110	WIRE, UB0-9-3	a
	X	ST1062	89-931-080-110	WIRE, UB1-8-3	a
	O	ST1A	84-ZM2-252-010	S-SCREW, AZI-2-6.4 C	a
	O	ST1B	8Z-ZM2-220-110	V+2.6 ZMZ-2	a

CD MECHANISM EXPLODED VIEW -1/1 <KSM-213CDM>



CD MECHANISM PARTS LIST -1/1 <KSM-213CDM>

! = ⚠ SAFETY PARTS
C = Components marked

All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					KSM-213
					CDM
					a
					a
					a
					a
					a
					a
					a
					a

OTHER PARTS LIST -1/2

! = ⚠ SAFETY PARTS

C = Components marked

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					CA-DW540 LHSTC
	X		8Z-CT9-646-010	LEAD WIRE 2P	a
	X		8Z-CT9-643-010	WIRE ASS Y 140mm BLK	a
	X		8Z-CT9-642-010	WIRE ASS Y 140mm RED	a
	X		8Z-CT9-645-010	WIRE ASS Y 140mm WHT	a
	X		87-B40-095-010	BAG, PV, 0.04-500-550 PL (PE)	a
	X		87-051-183-010	BAG, PV 0.03-120-280 (PE)	a
	X		8A-CT9-852-010	CUSHION BOTTOM C (EPS)	a
	X		8A-CT9-853-010	CUSHION TOP C (EPS)	a
	X		87-B40-086-010	POLYBAG FOR I/B 0.04x230x400z	a
	X		8A-CT6-855-010	CTN PRINTED 540LHSTC	a
	X		SF-440-014-40S	HIMERON (30x10x1t)	a
	X		94-875-574-010	MIRROR SHEET 0.31x650x450 (PE)	a
	X		ST-U10-530-H09	UL SUMI-TUBE 5x30mm	a
	X		SF-440-367-40X	LABEL SPKR 2.7 OHM	a
	X		88-CD5-608-010	HIMIRON (60x10x0.35)	a
	X		87-B40-281-010	LABEL BAR-CODE A 35x8	a
	X		SF-430-081-60S	PCC SHEET 3X3x0.4	a
	X		SF-430-088-80S	PVC SHEET 3x3x0.1 (PVC)	a
	X		SF-440-111-10J	ROUND LABEL(PAPER)	a
	X		8A-CT6-203-010	SH SHILD	a
					CA-DW540 LHSTC
	X		88-ZA1-605-010	SHIELD CASE	a
	X		8Z-ZA1-605-010	SHIELD CASE IFT CAP CASE	a
	X		SF-440-109-00S	SPONGE 15*7*5	a
	X		87-057-995-010	LABEL CAUTION EFSO	a
	X		87-057-961-010	LABEL CAUTION TRIANGLE	a
	X		8A-CT6-976-010	LBL POP LHSTL	a
	X		8A-CT6-977-010	LBL POP LHSTR	a
	X		SF-440-465-90D	LBL SPEL LH	a
	X		87-B50-056-010	SH, CAUTION AC VOLTAGE	a
	X		SF-440-109-00S	SPONGE 15*7*5	a
	X		8Z-CT9-644-010	WIRE 9+110+9=128mm AWG22/UL16	a

OTHER PARTS LIST -2/2 <ZZM-2 PR3NC1>

! = ⚠ SAFETY PARTS
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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					ZZM-2
					PR3NC1
	X		82-ZM3-987-010	BAG, PV 0.04-300-210	a