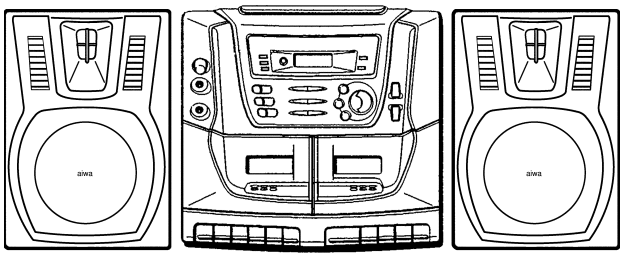
aiwa
SERVICE

CA-DW539 U(ST)



SERVICE MANUAL

COMPACT DISC CARRY
COMPONENT SYSTEM

BASIC TAPE MECHANISM : ZZM-2 PR3NC1
BASIC CD MECHANISM : KSM213CDM

aiwa

S/M Code No. 09-025-354-3N2

DATA

SPECIFICATIONS

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

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 120 V, 60 Hz / Dimensions (W × H × D) — 274 × 245 × 211 mm ($10\frac{7}{8} \times 9\frac{3}{4} \times 8\frac{3}{8}$ in.) / Weight — 3.1 kg (6 lbs. 13 oz.) (excluding batteries) / Power output — 5 W + 5 W (EIAJ, 2.7 ohms DC) / Power consumption — 20 W

Speaker
Type — 120 mm cone type / Dimensions (W × H × D) — 160 × 236 × 170 mm ($6\frac{3}{8} \times 9\frac{3}{8} \times 6\frac{3}{4}$ in.) / Weight — Approx. 0.9 kg (2 lbs.) × 2 / Impedance — 2.7 ohms / Allowable max. input — 7 W

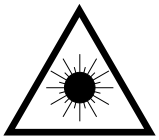
●Design and specifications are subject to change without notice.

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: Usynling 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.

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 hazardousradiation exposure.

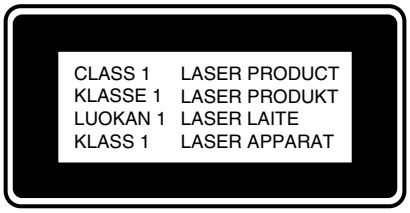
ATTENTION

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

ADVARSEL!

Usynlig laserstråling ved åbning, når 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.

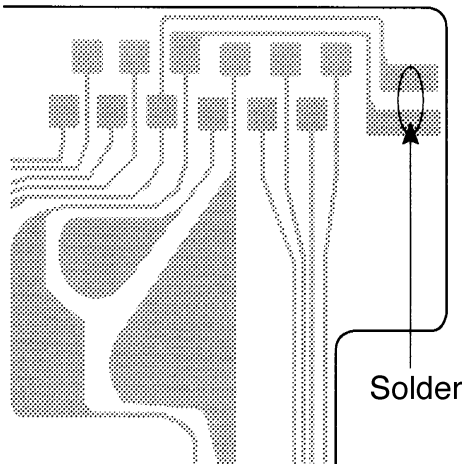


Precaution to replace Optical block (KSS-213C)

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



ACCESSORIES PARTS LIST -1/1

! = ⚠ SAFTY 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-DW539 U2
		O	AS1001	8B-CT5-913-010	IB,U(ESF)FM CA-DW539	a
		O	AS1002	8A-CLB-961-210	RC UNIT,RC-AAT11	a
		O	AS1003	87-A80-109-010	AC CORD,HK7281 BLK U	a

ELECTRICAL PARTS LIST - 1/10

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CA-DW539 U2
CD		0	C 0401	87-010-403-080	ELEC CAP 3.3u/50V (M) SME TP=	a
CD		0	C 0402	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
CD		0	C 0403	87-010-263-080	ELEC CAP 100UF/10V (M) SME TP	a
CD		0	C 0404	87-010-248-080	ELEC CAP 220U/10V (M) SME	a
CD		0	C 0405	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
CD		0	C 0406	87-010-374-080	ELEC CAP 47U/10V (M) SME TP=5	a
CD		0	C 0407	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
CD		0	C 0408	87-010-198-080	CHIP CAP S 0.022U/25V (K) B T	a
CD		0	C 0409	87-010-248-080	ELEC CAP 220U/10V (M) SME	a
CD		0	C 0410	87-010-263-080	ELEC CAP 100UF/10V (M) SME TP	a
CD		X	C 0411	SC-CBK-G81-54S	CHIP CAP 0.15UF/50V (K) B	a
CD		0	C 0412	87-010-401-080	ELEC CAP 1UF/50V (M) SME TP=5	a
CD		0	C 0413	87-016-369-080	CHIP CAP 0.033U/25V (K) B TP=	a
CD		0	C 0414	87-010-405-080	ELEC CAP 10UF/50V (M) SME TP=	a
CD		0	C 0416	87-010-545-080	ELEC CAP 0.22UF/50V (M) SEM T	a
CD		0	C 0417	87-012-157-080	EHIP.CAP,S 330P/50V (J) CH TP	a
CD		0	C 0418	87-010-213-080	CHIP CAP 0.015u/25V (K) B TP=	a
CD		0	C 0419	87-A11-608-080	CHIP CAP S 0.33UF/25V KB	a
CD		0	C 0420	87-016-369-080	CHIP CAP 0.033U/25V (K) B TP=	a
CD		X	C 0421	SC-CBK-G81-54S	CHIP CAP 0.15UF/50V (K) B	a
						CA-DW539 U2
CD		0	C 0422	87-010-183-080	CHIP CAP S 2700P/50V (K) B TP	a
CD		0	C 0423	87-010-992-080	CHIP CAP S 0.047UF/25V (K) B	a
CD		0	C 0424	87-010-220-080	CHIP CAP S 0.018uF/25V (K)B	a
CD		0	C 0425	87-012-140-080	CHIP.CAP,S 470P/50V (J) CH TP	a
CD		0	C 0426	87-A11-608-080	CHIP CAP S 0.33UF/25V KB	a
CD		0	C 0428	87-010-426-080	CHIP CAP S 0.012U/25V (K) B T	a
CD		0	C 0429	87-010-186-080	CHIP CAP S 4700P/50V (K) B TP	a
CD		0	C 0430	87-012-156-080	CHIP CAP,S 220P/50V (J) CH TA	a
CD		0	C 0431	87-010-545-080	ELEC CAP 0.22UF/50V (M) SEM T	a
CD		0	C 0432	87-010-374-080	ELEC CAP 47U/10V (M) SME TP=5	a
CD		0	C 0433	87-010-401-080	ELEC CAP 1UF/50V (M) SME TP=5	a
CD		0	C 0434	87-010-184-080	CHIP CAP S 3300PF/50V (K) TP=	a
CD		0	C 0435	87-018-134-080	AXIAL CAP 0.01U/50V (K)	a
CD		0	C 0436	87-010-374-080	ELEC CAP 47U/10V (M) SME TP=5	a
CD		0	C 0437	87-010-405-080	ELEC CAP 10UF/50V (M) SME TP=	a
CD		0	C 0438	87-016-669-080	CHIP.CAP,S 0.1U/25V (K) B	a
CD		0	C 0439	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
CD		0	C 0440	87-010-145-080	CHIP CAP S 1P/50V (C) CH	a
CD		0	C 0441	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
CD		0	C 0442	87-010-311-080	CHIP CAP.S 12P/50V(J)CH	a
						CA-DW539 U2
CD		0	C 0445	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
CD		0	C 0446	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
CD		0	C 0447	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
CD		0	C 0448	87-010-315-080	CHIP.CAP,S 27P/50V (J) CH	a
CD		0	C 0451	87-012-156-080	CHIP CAP,S 220P/50V (J) CH TA	a
CD		0	C 0455	87-010-247-080	100UF/50V ELECTRICAL T=5mm	a
CD		0	C 0457	87-010-312-080	CHIP CAP 15P/50V (J) CH TP=8m	a
CD		0	C 0458	87-010-312-080	CHIP CAP 15P/50V (J) CH TP=8m	a
CD		0	C 0459	87-010-263-080	ELEC CAP 100UF/10V (M) SME TP	a
CD		0	C 0460	87-015-819-080	CHIP.CAP 0.01U/50V (K) B TP=8	a
CD		0	C 0461	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
CD		0	C 0462	87-010-248-080	ELEC CAP 220U/10V (M) SME	a
CD		0	C 0463	87-018-134-080	AXIAL CAP 0.01U/50V (K)	a
CD		0	C 0465	87-010-404-080	ELEC CAP 4.7u/50V (M) SME TP=	a
CD		0	C 0466	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
CD		0	C 0467	87-010-263-080	ELEC CAP 100UF/10V (M) SME TP	a
CD		0	C 0469	87-012-154-080	CHIP.CAP,S 150P/50V (J) CH TP	a
CD		0	C 0470	87-010-544-080	ELEC CAP 0.1uF/50V (M) SME TP	a
CD		0	C 0471	87-015-785-080	CHIP.CAP 0.1UF/25V(Z) F TP=8m	a
CD		0	C 0472	87-015-785-080	CHIP.CAP 0.1UF/25V(Z) F TP=8m	a
						CA-DW539 U2
CD		0	C 0473	87-015-785-080	CHIP.CAP 0.1UF/25V(Z) F TP=8m	a
CD		0	C 0474	87-015-785-080	CHIP.CAP 0.1UF/25V(Z) F TP=8m	a
CD		0	C 0475	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
CD		0	C 0476	87-010-236-080	ELEC CAP 1000uF/10V	a
CD		0	C 0477	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
CD		0	C 0478	87-010-263-080	ELEC CAP 100UF/10V (M) SME TP	a
CD		0	C 0479	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
CD		0	C 0480	87-010-221-080	ELEC CAP 470u/10V (M) SME	a
CD		0	C 0481	87-010-405-080	ELEC CAP 10UF/50V (M) SME TP=	a
CD		0	C 0482	87-010-405-080	ELEC CAP 10UF/50V (M) SME TP=	a
CD		0	C 0483	87-012-156-080	CHIP CAP,S 220P/50V (J) CH TA	a
CD		0	C 0484	87-012-156-080	CHIP CAP,S 220P/50V (J) CH TA	a
CD		0	C 0489	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
CD		0	C 0490	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
CD		0	C 0493	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
CD		0	C 0494	87-018-134-080	AXIAL CAP 0.01U/50V (K)	a
CD		0	C 0499	87-010-405-080	ELEC CAP 10UF/50V (M) SME TP=	a
CD		0	C 4001	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
CD		0	C 4002	87-010-322-080	CHIP.CAP,S 100P/50V (J) CH TP	a
CD		0	C 4003	87-010-322-080	CHIP.CAP,S 100P/50V (J) CH TP	a

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						CA-DW539 U2
CD		0	C 4004	87-010-322-080	CHIP.CAP,S 100P/50V (J) CH TP	a
CD		0	C 4005	87-010-322-080	CHIP.CAP,S 100P/50V (J) CH TP	a
CD		0	C 4006	87-010-322-080	CHIP.CAP,S 100P/50V (J) CH TP	a
CD		0	C 4007	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
CD		0	C 4010	87-018-209-080	AXIAL CAP 0.1UF/50V (Z) F TP=	a
CD		0	C 4011	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
CD		0	C 4012	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
CD		0	C 4013	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
CD		X	C 4120	88-700-980-810	MYLAR CAP 0.056uF/50V (J)	a
CD		0	CN 0401	87-A60-424-010	CONNECTOR FFC 16P (1.0mm)	a
CD		0	CNA0402	8Z-CT6-631-010	CONNECTOR ASS'Y 6P	a
CD		S	D 0401	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
CD		S	D 0402	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
CD		S	D 0403	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
CD		0	FFC0401	88-CT6-606-010	FF-CABLE,16P 1.0	a
CD		S	IC 0401	87-A20-446-010	CHIP IC LA9241ML	a
CD		S	IC 0402	87-A21-319-010	CHIP IC LC78622NE	a
CD		S	IC 0404	87-A21-093-010	IC LA6541D	a
CD		0	L 0401	87-003-102-080	FIXED IND 10UH (K) TP=26mm	a
CD		0	L 0402	87-003-102-080	FIXED IND 10UH (K) TP=26mm	a
						CA-DW539 U2
CD		0	L 0404	87-003-152-080	FIXED IND 100UH	a
CD		0	L 0405	87-003-102-080	FIXED IND 10UH (K) TP=26mm	a
CD		0	L 0406	87-008-372-080	BEADS CORE (BLO1RN1-A63.T6) T	a
CD		S	Q 0401	87-A30-216-080	TR 2SA933AS(R)	a
CD		S	Q 0402	89-113-187-080	TRANSISTOR 2SA1318T AA	a
CD		S	Q 0403	87-A30-287-040	CHIP TRANSISTOR DTC114TKA T14	a
CD		S	Q 0404	87-A30-287-040	CHIP TRANSISTOR DTC114TKA T14	a
CD		S	Q 0407	87-A30-062-040	CHIP TR KRC104S	a
CD		S	Q 0408	87-A30-062-040	CHIP TR KRC104S	a
CD		X	R 0401	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
CD		X	R 0402	88-118-100-080	CHIP RES 1/10W 10ohm (J) TP=	a
CD		0	R 0403	88-118-123-080	CHIP RES 1/10W (J) 12K ohm T	a
CD		0	R 0405	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
CD		0	R 0406	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
CD		0	R 0408	88-118-683-080	CHIP RES 1/10W (J) 68Kohm T8	a
CD		X	R 0409	88-118-222-080	CHIP RES 1/10W (J) 2.2Kohm TP	a
CD		0	R 0410	88-118-273-080	CHIP RES 27K 0805	a
CD		X	R 0411	88-118-561-080	CHIP RES 1/10W (J) 560ohm TP=	a
CD		0	R 0412	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
CD		X	R 0413	88-118-393-080	CHIPRES 1/10W (J) 39Kohm TP=8	a
						CA-DW539 U2
CD		0	R 0414	88-118-332-080	CHIP RES 1/10W (J) 3.3K 0805	a
CD		0	R 0415	88-118-273-080	CHIP RES 27K 0805	a
CD		0	R 0417	88-118-123-080	CHIP RES 1/10W (J) 12K ohm T	a
CD		0	R 0418	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
CD		X	R 0419	88-118-152-080	CHIP RES 1/10W (J) 1.5Kohm T	a
CD		X	R 0420	88-118-333-080	CHIP RES 1/10W (J) 33K ohm T	a
CD		X	R 0421	88-118-184-080	CHIP.RES,S 1/10W (J)180Kohm T	a
CD		0	R 0423	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
CD		X	R 0424	88-118-122-080	CHIP RES 1/10W (J) 1.2Kohm TP	a
CD		X	R 0425	88-118-563-080	CHIP RES 1/10W (J) 56Kohm TP=	a
CD		0	R 0426	88-118-123-080	CHIP RES 1/10W (J) 12K ohm T	a
CD		0	R 0427	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
CD		X	R 0428	88-118-152-080	CHIP RES 1/10W (J) 1.5Kohm T	a
CD		X	R 0429	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
CD		X	R 0430	88-128-682-080	CHIP RESISTOR 6.8K 1/8W 1206(	a
CD		X	R 0431	88-118-274-080	CHIP RES,S 1/10W (J) 270Kohm	a
CD		X	R 0432	88-118-274-080	CHIP RES,S 1/10W (J) 270Kohm	a
CD		0	R 0433	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
CD		0	R 0434	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
CD		0	R 0435	88-118-223-080	CHIP RES 1/10W (J) 22Kohm TP	a
						CA-DW539 U2
CD		X	R 0436	88-118-183-080	CHIP RES 18K 0805 1/10W	a
CD		0	R 0437	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
CD		0	R 0438	88-118-331-080	CHIP RES,S 1/10W (J) 330ohm T	a
CD		0	R 0439	88-118-153-080	CHIP RES 1/10W (J) 15Kohm TP	a
CD		0	R 0440	88-118-331-080	CHIP RES,S 1/10W (J) 330ohm T	a
CD		X	R 0441	88-118-681-080	CHIP RES 1/10W (J) 680ohm TP	a
CD		0	R 0442	88-118-273-080	CHIP RES 27K 0805	a
CD		X	R 0443	88-118-122-080	CHIP RES 1/10W (J) 1.2Kohm TP	a
CD		X	R 0444	88-118-333-080	CHIP RES 1/10W (J) 33K ohm T	a
CD		0	R 0445	88-118-153-080	CHIP RES 1/10W (J) 15Kohm TP	a
CD		0	R 0446	88-118-273-080	CHIP RES 27K 0805	a
CD		0	R 0447	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
CD		X	R 0451	88-128-392-080	CHIP RES 1/8W 3.9K TP=8mm	a
CD		X	R 0455	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
CD		0	R 0456	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
CD		0	R 0457	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
CD		0	R 0458	88-118-332-080	CHIP RES 1/10W (J) 3.3K 0805	a
CD		0	R 0460	88-118-683-080	CHIP RES 1/10W (J) 68Kohm T8	a
CD		X	R 0465	88-121-680-080	CARBON RES 1/6W (J) 68ohm TP=	a
CD		X	R 0466	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a

ELECTRICAL PARTS LIST - 3/10

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CA-DW539 U2
CD		X	R 0467	88-118-333-080	CHIP RES 1/10W (J) 33K ohm T	a
CD			R 0469	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
CD		X	R 0475	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
CD		X	R 0476	88-118-229-080	CHIP RES 2.2ohm 1/10W TP=8mm	a
CD		0	R 0477	88-121-103-080	CARBON RES 1/6W (J) 10Kohm TP	a
CD		X	R 0478	88-128-104-080	CHIP RESISTOR 1/8W 100K 1206	a
CD		0	R 0479	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
CD		0	R 0480	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
CD		0	R 0481	88-118-273-080	CHIP RES 27K 0805	a
CD		0	R 0482	88-118-273-080	CHIP RES 27K 0805	a
CD		X	R 0483	88-118-222-080	CHIP RES 1/10W (J) 2.2Kohm TP	a
CD		X	R 0484	88-118-222-080	CHIP RES 1/10W (J) 2.2Kohm TP	a
CD		0	R 0485	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
CD		0	R 0486	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
CD		0	R 0487	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
CD		0	R 0488	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
CD		X	R 0489	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
CD		X	R 0495	88-118-821-080	CHIP RES 1/10W (J) 820ohm TP=	a
CD		X	R 0496	88-128-821-010	CHIP RESISTOR 820ohm 1/8W 120	a
CD		X	R 0497	88-128-562-080	CHIP RESISTOR 5.6K 1/8W 1206	a
						CA-DW539 U2
CD		0	R 0498	88-118-562-080	CHIP RES 1/10W(J) 5.6Kohm TP=	a
CD		0	R 0530	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
CD		0	R 0531	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
CD		0	R 0532	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
CD		0	R 4001	88-121-101-080	CARBON RES 1/6W (J) 100ohm TP	a
CD		0	R 4002	88-121-101-080	CARBON RES 1/6W (J) 100ohm TP	a
CD		X	R 4003	88-121-272-080	CARBON RES 1/6W (J) 2.7Kohm T	a
CD		0	R 4004	88-121-101-080	CARBON RES 1/6W (J) 100ohm TP	a
CD		0	R 4005	88-121-101-080	CARBON RES 1/6W (J) 100ohm TP	a
CD		0	R 4006	88-121-101-080	CARBON RES 1/6W (J) 100ohm TP	a
CD		0	R 4007	88-118-125-080	CHIP RES,S 1/10W (J) 1.2Mohm	a
CD		0	SFR0430	87-024-437-080	POTENTIAL METER 100KHZ	a
CD		0	X 0401	8Z-CD5-633-010	CER RESONATOR 16.93MHZ (CSA16	a
FRONT		0	C 0601	87-010-313-080	CHIP.CAP,S 18P/50V (J) CH	a
FRONT		0	C 0602	87-010-315-080	CHIP.CAP,S 27P/50V (J) CH	a
FRONT		0	C 0603	87-010-317-080	CHIP.CAP,S 39P/50V (J) CH	a
FRONT		0	C 0604	87-010-314-080	CHIP CAP 22P/50V (J) CH TP=8m	a
FRONT		0	C 0605	87-012-184-080	CHIP CAP 33P/50V (J) CH TP=8m	a
FRONT		0	C 0606	87-012-350-080	CHIP CAP (1206) 1UF/25V (F) Z	a
FRONT		0	C 0607	87-012-566-080	CHIP CAP 0.01U/25V (Z) F	a
						CA-DW539 U2
FRONT		0	C 0608	87-010-197-080	CHIP.CAP,S 0.01U/25V (K) B TP	a
FRONT		0	C 0609	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
FRONT		0	C 0610	87-010-263-080	ELEC CAP 100UF/10V (M) SME TP	a
FRONT		0	C 0611	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
FRONT		0	C 0612	87-010-221-080	ELEC CAP 470u/10V (M) SME	a
FRONT		0	C 0613	87-010-402-080	ELEC CAP 2.2u/50V (M) SME TP=	a
FRONT		0	C 0614	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
FRONT		0	C 0615	87-010-400-080	ELEC CAP 0.47U/50V (M) SME	a
FRONT		0	C 0616	87-010-400-080	ELEC CAP 0.47U/50V (M) SME	a
FRONT		0	C 0617	87-A11-552-080	CHIP CAP S 1200P/50V (K) B TP	a
FRONT		0	C 0618	87-010-263-080	ELEC CAP 100UF/10V (M) SME TP	a
FRONT		0	C 0834	87-010-404-080	ELEC CAP 4.7u/50V (M) SME TP=	a
FRONT		0	C 0836	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
FRONT		0	C 0837	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
FRONT		0	C 0838	87-010-401-080	ELEC CAP 1UF/50V (M) SME TP=5	a
FRONT		0	C 0839	87-010-401-080	ELEC CAP 1UF/50V (M) SME TP=5	a
FRONT		0	C 0840	87-010-221-080	ELEC CAP 470u/10V (M) SME	a
FRONT		0	C 0841	87-010-401-080	ELEC CAP 1UF/50V (M) SME TP=5	a
FRONT		0	C 0844	87-010-401-080	ELEC CAP 1UF/50V (M) SME TP=5	a
FRONT		0	C 6004	87-010-198-080	CHIP CAP S 0.022U/25V (K) B T	a
						CA-DW539 U2
FRONT		0	C 6011	87-010-198-080	CHIP CAP S 0.022U/25V (K) B T	a
FRONT		0	CN 0205	8Z-CT9-641-010	CONNECTOR ASS'Y 2P 8Z-CT6-641	a
FRONT		0	CON0601	87-A60-109-010	CONNECTOR BASE 2P V (S2M-2W)	a
FRONT		S	D 0601	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
FRONT		S	D 0602	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
FRONT		S	D 0611	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
FRONT		S	D 0612	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
FRONT		S	D 0615	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
FRONT		S	D 0616	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
FRONT		S	D 0623	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
FRONT		S	D 0625	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
FRONT		S	D 0628	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
FRONT		S	D 0820	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
FRONT		S	D 0821	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
FRONT		S	D 0822	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
FRONT		S	IC 0601	8B-CT5-625-010	IC LC867132V5T98 (CPU)	a
FRONT		S	IC 0602	87-A21-831-010	IC SPS-442-1-F1	a
FRONT		0	L 0601	87-003-149-080	FIXED IND 47 uH (K) T26	a
FRONT		0	L 0603	8B-CTA-971-010	FIXED IND 15UH	a
FRONT		0	L 0605	87-008-372-080	BEADS CORE (BLO1RN1-A63.T6) T	a

ELECTRICAL PARTS LIST - 4/10

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CA-DW539 U2
FRONT		0	L 0606	8B-CTA-971-010	FIXED IND 15UH	a
FRONT		0	LCD0601	8B-CT5-601-010	LCD AIW4239-32P2N	a
FRONT		0	LED0607	87-A41-050-040	LED BT-H203D-31 RED	a
FRONT		0	LED0609	87-A41-050-040	LED BT-H203D-31 RED	a
FRONT		0	LED0610	87-A41-050-040	LED BT-H203D-31 RED	a
FRONT		S	Q 0601	87-A30-623-080	D TRANSISTOR DTC124XSA TP(87-	a
FRONT		S	Q 0602	87-A30-216-080	TR 2SA933AS(R)	a
FRONT		S	Q 0603	87-A30-623-080	D TRANSISTOR DTC124XSA TP(87-	a
FRONT		S	Q 0605	87-026-464-080	D TRANSISTOR DTC114TSA TP	a
FRONT		S	Q 0612	87-026-464-080	D TRANSISTOR DTC114TSA TP	a
FRONT		S	Q 0616	87-A30-623-080	D TRANSISTOR DTC124XSA TP(87-	a
FRONT		S	Q 0820	87-026-610-080	TR KTC3198-GR hFE=200~400 AI	a
FRONT		S	Q 0822	87-026-610-080	TR KTC3198-GR hFE=200~400 AI	a
FRONT		S	Q 0823	87-A30-623-080	D TRANSISTOR DTC124XSA TP(87-	a
FRONT		S	Q 0824	87-026-462-080	TR 2SC1740SRS	a
FRONT		X	R 0601	88-118-821-080	CHIP RES 1/10W (J) 820ohm TP=	a
FRONT		0	R 0602	88-121-103-080	CARBON RES 1/6W (J) 10Kohm TP	a
FRONT		0	R 0603	88-121-474-080	CARBON RES 1/6W (J) 470Kohm T	a
FRONT		X	R 0604	88-121-334-080	CARBON RES 1/6W(J) 330kohm TP	a
FRONT		0	R 0605	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
						CA-DW539 U2
FRONT		0	R 0606	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
FRONT		0	R 0607	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
FRONT		0	R 0611	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT		0	R 0612	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT		0	R 0613	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT		0	R 0614	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT		0	R 0615	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT		0	R 0616	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT		0	R 0617	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT		0	R 0618	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
FRONT		0	R 0620	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
FRONT		0	R 0621	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT		0	R 0622	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT		X	R 0624	88-118-152-080	CHIP RES 1/10W (J) 1.5Kohm T	a
FRONT		0	R 0625	88-118-332-080	CHIP RES 1/10W (J) 3.3K 0805	a
FRONT		0	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		0	R 0629	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
FRONT		0	R 0630	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
FRONT		X	R 0631	88-118-122-080	CHIP RES 1/10W (J) 1.2Kohm TP	a
						CA-DW539 U2
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		0	R 0635	88-118-182-080	CHIP RES 1/10W (J) 1.8Kohm TP	a
FRONT		0	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		0	R 0642	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
FRONT		0	R 0643	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
FRONT		0	R 0651	88-118-224-080	CHIP RES 1/10W (J) 220K ohm	a
FRONT		0	R 0652	88-121-103-080	CARBON RES 1/6W (J) 10Kohm TP	a
FRONT		X	R 0653	88-118-152-080	CHIP RES 1/10W (J) 1.5Kohm T	a
FRONT		0	R 0658	88-121-103-080	CARBON RES 1/6W (J) 10Kohm TP	a
FRONT		X	R 0660	88-118-152-080	CHIP RES 1/10W (J) 1.5Kohm T	a
FRONT		0	R 0664	88-118-223-080	CHIP RES 1/10W (J) 22Kohm TP	a
FRONT		0	R 0670	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT		0	R 0673	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT		0	R 0675	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT		0	R 0676	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT		X	R 0677	88-121-272-080	CARBON RES 1/6W (J) 2.7Kohm T	a
FRONT		0	R 0678	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT		0	R 0679	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
						CA-DW539 U2
FRONT		0	R 0680	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
FRONT		X	R 0880	88-118-222-080	CHIP RES 1/10W (J) 2.2Kohm TP	a
FRONT		X	R 0884	88-118-333-080	CHIP RES 1/10W (J) 33K ohm T	a
FRONT		0	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 1/10W (J) 470Kohm 06	a
FRONT		X	R 0887	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
FRONT		0	R 0888	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
FRONT		0	R 0889	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
FRONT		X	R 0890	88-130-221-080	CARBON RES 1/4W 220ohm TP=26m	a
FRONT		X	R 0891	88-118-334-080	CHIP RES 1/10W(J) 330Kohm TP=	a
FRONT		0	R 6003	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT		0	R 6004	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT		0	R 6011	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
FRONT		0	SW 0602	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT		0	SW 0603	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT		0	SW 0604	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT		0	SW 0605	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT		0	SW 0606	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT		0	SW 0607	87-A92-171-080	TACT SW H=5.0mm 260g	a
FRONT		0	SW 0608	87-A91-704-080	TACT SWITCH H=5.0mm	a

ELECTRICAL PARTS LIST - 5/10

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						CA-DW539 U2
FRONT		0	SW 0612	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT		0	SW 0613	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT		0	SW 0614	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT		0	SW 0615	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT		0	SW 0616	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT		0	SW 0617	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT		0	SW 0618	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT		0	SW 0619	87-A91-704-080	TACT SWITCH H=5.0mm	a
FRONT		0	VR 0801	87-A90-239-010	ROTARY VOLUME 10KA	a
FRONT		0	X 0601	87-030-273-010	X'TAL CD 32.768KHZ CL:12.5P(D	a
FRONT		0	X 0602	87-030-376-080	CER.RESONATOR 5.76MHZ 87-A70-	a
JACK		0	C 0830	87-010-197-080	CHIP.CAP,S 0.01U/25V (K) B TP	a
JACK		0	C 0831	87-012-566-080	CHIP CAP 0.01U/25V (Z) F	a
JACK		0	C 0832	87-010-181-080	CHIP CAP 1800P/50V (K) B TP=8	a
JACK		0	C 0833	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
JACK		0	C 0835	87-010-544-080	ELEC CAP 0.1u/50V (M) SME	a
JACK		0	C 0842	87-012-140-080	CHIP.CAP,S 470P/50V (J) CH TP	a
JACK		0	J 0251	87-009-216-010	3.5 JACK W/SW ST	a
JACK		0	J 0801	87-009-216-010	3.5 JACK W/SW ST	a
JACK		0	L 0801	87-008-372-080	BEADS CORE (BLO1RN1-A63.T6) T	a
						CA-DW539 U2
JACK		S	Q 0821	89-322-405-080	TR 2SC2240GR TP	a
JACK		X	R 0279	88-118-181-080	CHIP RES 1/10W (J) 180ohm TP=	a
JACK		X	R 0280	88-118-181-080	CHIP RES 1/10W (J) 180ohm TP=	a
JACK		X	R 0878	88-118-681-080	CHIP RES 1/10W (J) 680ohm TP	a
JACK		0	R 0879	88-118-224-080	CHIP RES 1/10W (J) 220K ohm	a
JACK		X	R 0881	88-118-474-080	CHIP RES 1/10W (J) 470Kohm 06	a
JACK		0	R 0882	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
JACK		X	R 0883	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
MAIN		0	C 0001	87-010-314-080	CHIP CAP 22P/50V (J) CH TP=8m	a
MAIN		0	C 0002	87-012-184-080	CHIP CAP 33P/50V (J) CH TP=8m	a
MAIN		0	C 0003	87-010-314-080	CHIP CAP 22P/50V (J) CH TP=8m	a
MAIN		0	C 0005	87-016-669-080	CHIP.CAP,S 0.1U/25V (K) B	a
MAIN		0	C 0006	87-010-313-080	CHIP.CAP,S 18P/50V (J) CH	a
MAIN		0	C 0007	87-012-140-080	CHIP.CAP,S 470P/50V (J) CH TP	a
MAIN		0	C 0008	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN		0	C 0010	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0011	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0012	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0013	87-010-149-080	CHIP CAP 5P/50V 0805 CH (C)	a
MAIN		0	C 0014	87-010-303-080	CHIP CAP 330P/50V (K) B	a
						CA-DW539 U2
MAIN		0	C 0015	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN		0	C 0016	87-010-374-080	ELEC CAP 47U/10V (M) SME TP=5	a
MAIN		0	C 0017	87-010-992-080	CHIP CAP S 0.047UF/25V (K) B	a
MAIN		0	C 0018	87-010-757-080	CHIP CAP 0.047UF/25V (K) B 12	a
MAIN		0	C 0019	87-010-263-080	ELEC CAP 100UF/10V (M) SME TP	a
MAIN		0	C 0020	87-010-404-080	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN		0	C 0021	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0022	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0023	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0025	87-A12-162-080	CHIP CAP 0.22U/25V (K) B	a
MAIN		0	C 0027	87-010-805-080	CHIP.CAP,S 1UF/16V (Z) F TP=8	a
MAIN		0	C 0028	87-016-669-080	CHIP.CAP,S 0.1U/25V (K) B	a
MAIN		0	C 0029	87-016-669-080	CHIP.CAP,S 0.1U/25V (K) B	a
MAIN		0	C 0030	87-A11-228-080	CHIP CAP 0.027UF/25V (K) B TP	a
MAIN		0	C 0031	87-A11-228-080	CHIP CAP 0.027UF/25V (K) B TP	a
MAIN		0	C 0033	87-015-610-080	CHIP CAP 0.47UF/25V (Z)F	a
MAIN		0	C 0034	87-015-610-080	CHIP CAP 0.47UF/25V (Z)F	a
MAIN		0	C 0035	87-015-819-080	CHIP.CAP 0.01U/50V (K) B TP=8	a
MAIN		0	C 0036	87-010-263-080	ELEC CAP 100UF/10V (M) SME TP	a
MAIN		0	C 0037	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
						CA-DW539 U2
MAIN		0	C 0038	87-010-374-080	ELEC CAP 47U/10V (M) SME TP=5	a
MAIN		0	C 0039	87-010-404-080	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN		0	C 0040	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0042	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN		0	C 0043	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN		0	C 0044	87-010-312-080	CHIP CAP 15P/50V (J) CH TP=8m	a
MAIN		0	C 0045	87-010-312-080	CHIP CAP 15P/50V (J) CH TP=8m	a
MAIN		0	C 0046	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0047	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0048	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0049	87-012-140-080	CHIP.CAP,S 470P/50V (J) CH TP	a
MAIN		0	C 0050	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0071	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0072	87-010-263-080	ELEC CAP 100UF/10V (M) SME TP	a
MAIN		0	C 0073	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0075	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0091	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0092	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0093	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0099	87-018-134-080	AXIAL CAP 0.01U/50V (K)	a

ELECTRICAL PARTS LIST - 6/10

! = ⚠ SAFTY PARTS
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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CA-DW539 U2
MAIN		0	C 0215	87-A10-201-080	CHIP CAP 0.33/50V (Z) F	a
MAIN		0	C 0216	87-A10-201-080	CHIP CAP 0.33/50V (Z) F	a
MAIN		0	C 0231	87-015-632-080	CHIP CAP 0.015UF/50V (Z) F	a
MAIN		0	C 0232	87-015-632-080	CHIP CAP 0.015UF/50V (Z) F	a
MAIN		0	C 0233	87-A10-201-080	CHIP CAP 0.33/50V (Z) F	a
MAIN		0	C 0234	87-A10-201-080	CHIP CAP 0.33/50V (Z) F	a
MAIN		0	C 0235	87-A12-319-080	CHIP CAP 0.1U/25V (K) B (1206	a
MAIN		0	C 0236	87-A12-319-080	CHIP CAP 0.1U/25V (K) B (1206	a
MAIN		0	C 0237	87-010-380-080	ELEC CAP 47UF/16V (M) TP=5mm	a
MAIN		0	C 0238	87-010-248-080	ELEC CAP 220U/10V (M) SME	a
MAIN		0	C 0239	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0240	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0241	87-010-401-080	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN		0	C 0242	87-010-401-080	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN		0	C 0243	87-010-401-080	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN		0	C 0244	87-010-401-080	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN		0	C 0245	87-010-401-080	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN		0	C 0246	87-010-401-080	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN		0	C 0247	87-010-404-080	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN		0	C 0248	87-010-404-080	ELEC CAP 4.7u/50V (M) SME TP=	a
						CA-DW539 U2
MAIN		0	C 0251	87-010-405-080	ELEC CAP 10UF/50V (M) SME TP=	a
MAIN		0	C 0261	87-010-401-080	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN		0	C 0262	87-010-401-080	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN		0	C 0263	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN		0	C 0264	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN		0	C 0266	87-010-545-080	ELEC CAP 0.22UF/50V (M) SEM T	a
MAIN		0	C 0267	87-010-545-080	ELEC CAP 0.22UF/50V (M) SEM T	a
MAIN		0	C 0271	87-010-237-080	EL CAP 1000UF/16V	a
MAIN		0	C 0272	87-010-237-080	EL CAP 1000UF/16V	a
MAIN		0	C 0277	87-010-404-080	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN		0	C 0278	87-010-112-080	ELEC CAP 100UF/16V (M) SME TP	a
MAIN		0	C 0279	87-010-112-080	ELEC CAP 100UF/16V (M) SME TP	a
MAIN		0	C 0280	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN		0	C 0281	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN		0	C 0285	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN		0	C 0287	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN		0	C 0288	87-010-198-080	CHIP CAP S 0.022U/25V (K) B T	a
MAIN		0	C 0292	87-010-404-080	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN		0	C 0293	87-010-404-080	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN		0	C 0298	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
						CA-DW539 U2
MAIN		0	C 0299	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0301	87-012-157-080	EHIP.CAP,S 330P/50V (J) CH TP	a
MAIN		0	C 0302	87-012-157-080	EHIP.CAP,S 330P/50V (J) CH TP	a
MAIN		0	C 0303	87-010-177-080	CHIP CAP 820P/50V TP=8mm	a
MAIN		0	C 0304	87-010-177-080	CHIP CAP 820P/50V TP=8mm	a
MAIN		0	C 0305	87-010-374-080	ELEC CAP 47U/10V (M) SME TP=5	a
MAIN		0	C 0306	87-010-374-080	ELEC CAP 47U/10V (M) SME TP=5	a
MAIN		0	C 0307	87-010-382-080	ELEC.CAP 22 UF/25V (M) SME TP	a
MAIN		0	C 0308	87-010-405-080	ELEC CAP 10UF/50V (M) SME TP=	a
MAIN		0	C 0309	87-010-404-080	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN		0	C 0310	87-010-404-080	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN		0	C 0311	87-010-248-080	ELEC CAP 220U/10V (M) SME	a
MAIN		0	C 0312	87-010-374-080	ELEC CAP 47U/10V (M) SME TP=5	a
MAIN		0	C 0313	87-015-828-080	CHIP CAP 0.033UF/25V (Z)F TP=	a
MAIN		0	C 0314	87-015-828-080	CHIP CAP 0.033UF/25V (Z)F TP=	a
MAIN		0	C 0315	87-010-401-080	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN		0	C 0316	87-010-401-080	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN		0	C 0317	87-010-382-080	ELEC.CAP 22 UF/25V (M) SME TP	a
MAIN		0	C 0318	87-010-382-080	ELEC.CAP 22 UF/25V (M) SME TP	a
MAIN		0	C 0319	87-010-405-080	ELEC CAP 10UF/50V (M) SME TP=	a
						CA-DW539 U2
MAIN		0	C 0320	87-010-405-080	ELEC CAP 10UF/50V (M) SME TP=	a
MAIN		0	C 0321	87-012-157-080	EHIP.CAP,S 330P/50V (J) CH TP	a
MAIN		0	C 0322	87-012-157-080	EHIP.CAP,S 330P/50V (J) CH TP	a
MAIN		0	C 0323	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0324	87-010-197-080	CHIP CAP S 0.01U/25V (K) B TP	a
MAIN		0	C 0325	87-010-180-080	CHIP CAP 1500P/50V (K) B TP=8	a
MAIN		0	C 0326	87-010-180-080	CHIP CAP 1500P/50V (K) B TP=8	a
MAIN		0	C 0327	87-010-404-080	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN		0	C 0328	87-010-178-080	CHIP CAP 1000P/50V (K) B TP=8	a
MAIN		0	C 0329	87-010-182-080	CHIP CAP 2200P/50V (K) B TP=8	a
MAIN		0	C 0330	87-010-213-080	CHIP CAP 0.015u/25V (K) B TP=	a
MAIN		0	C 0331	87-010-263-080	ELEC CAP 100UF/10V (M) SME TP	a
MAIN		0	C 0332	88-700-620-810	MALAY CAP 0.0012UF/50V (J)	a
MAIN		0	C 0334	87-012-155-080	CHIP CAP 180P/50V (J) CH TP=8	a
MAIN		0	C 0341	87-012-157-080	EHIP.CAP,S 330P/50V (J) CH TP	a
MAIN		0	C 0342	87-012-157-080	EHIP.CAP,S 330P/50V (J) CH TP	a
MAIN		0	C 0343	87-012-157-080	EHIP.CAP,S 330P/50V (J) CH TP	a
MAIN		0	C 0344	87-010-303-080	CHIP CAP 330P/50V (K) B	a
MAIN		0	C 0363	87-010-182-080	CHIP CAP 2200P/50V (K) B TP=8	a
MAIN		0	C 0364	87-010-182-080	CHIP CAP 2200P/50V (K) B TP=8	a

ELECTRICAL PARTS LIST - 7/10

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CA-DW539 U2
MAIN		0	C 0491	87-015-819-080	CHIP.CAP 0.01U/50V (K) B TP=8	a
MAIN		0	C 0492	87-010-221-080	ELEC CAP 470u/10V (M) SME	a
MAIN		0	C 0501	87-010-390-010	EL CAP 3300UF/25V	a
MAIN		0	C 0506	87-010-404-080	ELEC CAP 4.7u/50V (M) SME TP=	a
MAIN		0	C 0507	87-010-401-080	ELEC CAP 1UF/50V (M) SME TP=5	a
MAIN		0	C 0508	87-010-221-080	ELEC CAP 470u/10V (M) SME	a
MAIN		0	C 0511	87-010-374-080	ELEC CAP 47U/10V (M) SME TP=5	a
MAIN		0	C 0512	87-010-385-080	ELEC CAP 220U/25V (M) SME =6	a
MAIN		0	C 0513	87-012-566-080	CHIP CAP 0.01U/25V (Z) F	a
MAIN		0	C 0515	87-012-566-080	CHIP CAP 0.01U/25V (Z) F	a
MAIN		0	C 0521	87-012-566-080	CHIP CAP 0.01U/25V (Z) F	a
MAIN		0	C 0522	87-010-263-080	ELEC CAP 100UF/10V (M) SME TP	a
MAIN		0	C 0544	87-010-405-080	ELEC CAP 10UF/50V (M) SME TP=	a
MAIN		0	C 0598	87-010-383-080	ELEC CAP 33UF/25V (M) SME TP=	a
MAIN		0	C 0599	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
MAIN		0	C 0761	87-010-380-080	ELEC CAP 47UF/16V (M) TP=5mm	a
MAIN		0	C 0762	87-010-198-080	CHIP CAP S 0.022U/25V (K) B T	a
MAIN		0	C 0765	87-010-196-080	CHIP.CAP,S 0.1U/25V (Z) F TP=	a
MAIN		0	CF 0001	87-A91-094-010	FILER CER CDA10.7MG80-A	a
MAIN		0	CF 0002	82-785-747-010	FILTER CFSFE10.7MS2G-A	a
						CA-DW539 U2
MAIN		0	CF 0003	82-785-747-010	FILTER CFSFE10.7MS2G-A	a
MAIN		X	CN 0001	8Z-CT4-623-010	TERMINAL PIN 1	a
MAIN		X	CN 0004	8Z-CT4-623-010	TERMINAL PIN 1	a
MAIN		X	CN 0005	8Z-CT4-623-010	TERMINAL PIN 1	a
MAIN		X	CN 0006	8Z-CT4-623-010	TERMINAL PIN 1	a
MAIN		X	CN 0007	8Z-CT4-623-010	TERMINAL PIN 1	a
MAIN		0	CN 0301	8B-CT5-616-010	CONNECTOR ASS'Y WIRE 4P 330mm	a
MAIN		0	CN 0302	8B-CT5-617-010	CONNECTOR ASS'Y WIRE 5P 215mm	a
MAIN		0	CN 0501	87-049-919-010	CONNECTOR BASE 3P 2.5mm	a
MAIN		0	CN 0751	8B-CT5-618-010	CONNECTOR ASS'Y 8P WIRE 315x2	a
MAIN		0	CON0201	87-A61-893-010	SPK TEVMINAL 4P 94VO	a
MAIN		S	D 0001	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
MAIN		S	D 0002	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
MAIN		0	D 0003	87-A40-616-070	VARI-CAP SVC384 (S/T)	a
MAIN		0	D 0004	87-A40-128-080	C-VARI-CAP,HVU202A	a
MAIN		0	D 0005	87-A40-128-080	C-VARI-CAP,HVU202A	a
MAIN		S	D 0006	87-017-072-080	ZENER HZS3B1	a
MAIN		S	D 0200	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
MAIN		S	D 0201	87-027-702-080	ZENER HZ6C2L	a
MAIN		S	D 0491	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
						CA-DW539 U2
MAIN		S	D 0494	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
MAIN		S	D 0503	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
MAIN		S	D 0504	87-A40-648-080	ZENER DIODE MTZJ8.2A	a
MAIN		S	D 0505	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
MAIN		S	D 0506	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
MAIN		S	D 0508	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
MAIN		S	D 0511	87-027-702-080	ZENER HZ6C2L	a
MAIN		S	D 0532	87-027-399-080	ZENER HZ7A3L	a
MAIN		S	D 0761	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
MAIN		S	D 0762	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
MAIN		S	D 0763	87-070-345-080	SILICON DIODE 1N4148M DO-34 T	a
MAIN		S	IC 0001	87-A21-550-010	IC TA2149N	a
MAIN		S	IC 0002	87-A21-185-040	C-IC LC72121M	a
MAIN		S	IC 0202	87-A21-090-010	IC LA4600	a
MAIN		S	IC 0203	87-A21-911-040	CHIP IC M61515FP	a
MAIN		S	IC 0301	87-020-828-010	IC BA3416BL	a
MAIN		S	IC 0302	87-001-440-010	IC BA15218N	a
MAIN		0	L 0002	87-A50-560-010	FM BPF 2.2x6.5T	a
MAIN		0	L 0003	SL-B08-010-45G	AM ANT COIL 58T:20T 0.07x4 21	a
MAIN		0	L 0004	87-A50-420-010	AM OSC (87-A50-420-01)	a
						CA-DW539 U2
MAIN		0	L 0005	87-A50-566-010	COIL FM RF	a
MAIN		0	L 0006	87-A50-567-010	FM OSC	a
MAIN		0	L 0007	87-A91-308-010	AM IFT W/C.F	a
MAIN		0	L 0008	87-003-102-080	FIXED IND 10UH (K) TP=26mm	a
MAIN		0	L 0201	87-003-152-080	FIXED IND 100UH	a
MAIN		0	L 0330	88-CT6-620-010	REC OSC	a
MAIN		0	PN 0301	87-A60-110-010	CONNECTOR BASE 4P	a
MAIN		0	PN 0302	87-A60-111-010	CONNECTOR BASE 5P V S2M-5W	a
MAIN		0	PN 0751	87-099-832-010	CONN ASS'Y 8P V S2M-8W	a
MAIN		S	Q 0001	89-327-143-080	CHIP TR 2SC2714O	a
MAIN		S	Q 0002	87-026-462-080	TR 2SC1740SRS	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	89-327-125-080	CHIP TR 2SC2712GR TPE2 89-327	a
MAIN		S	Q 0243	89-320-011-080	TRANSISTOR 2SC2001K T	a
MAIN		S	Q 0244	89-320-011-080	TRANSISTOR 2SC2001K T	a
MAIN		S	Q 0306	89-320-011-080	TRANSISTOR 2SC2001K T	a
MAIN		S	Q 0308	87-026-462-080	TR 2SC1740SRS	a
MAIN		S	Q 0311	87-A30-623-080	D TRANSISTOR DTC124XSA TP(87-	a
MAIN		S	Q 0491	89-112-965-080	TRANSISTOR 2SA1296GR TPE2	a

ELECTRICAL PARTS LIST - 8/10

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CA-DW539 U2
MAIN		S	Q 0492	87-A30-623-080	D TRANSISTOR DTC124XSA TP(87-	a
MAIN		S	Q 0501	89-112-965-080	TRANSISTOR 2SA1296GR TPE2	a
MAIN		S	Q 0502	87-A30-216-080	TR 2SA933AS(R)	a
MAIN		S	Q 0503	87-A30-623-080	D TRANSISTOR DTC124XSA TP(87-	a
MAIN		S	Q 0504	87-A30-226-010	TR 2SB1655E	a
MAIN		S	Q 0505	87-026-462-080	TR 2SC1740SRS	a
MAIN		S	Q 0510	89-318-154-080	TRANSISTER 2SC1815Y TPE2	a
MAIN		S	Q 0521	89-318-154-080	TRANSISTER 2SC1815Y TPE2	a
MAIN		S	Q 0761	87-A30-216-080	TR 2SA933AS(R)	a
MAIN		S	Q 0762	87-A30-623-080	D TRANSISTOR DTC124XSA TP(87-	a
MAIN		S	Q 0764	87-A30-623-080	D TRANSISTOR DTC124XSA TP(87-	a
MAIN		S	Q 0770	89-112-965-080	TRANSISTOR 2SA1296GR TPE2	a
MAIN		0	R 0001	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		0	R 0002	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		0	R 0003	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
MAIN		0	R 0004	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN		X	R 0005	88-118-122-080	CHIP RES 1/10W (J) 1.2Kohm TP	a
MAIN		0	R 0006	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN		X	R 0007	88-118-151-080	CHIP RES 1/10W (J) 150ohm TP=	a
MAIN		X	R 0008	88-118-470-080	CHIP RES 1/10 W (J) 47ohm TP=	a
						CA-DW539 U2
MAIN		0	R 0009	88-118-331-080	CHIP RES,S 1/10W (J) 330ohm T	a
MAIN		X	R 0010	88-118-152-080	CHIP RES 1/10W (J) 1.5Kohm T	a
MAIN		0	R 0011	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN		0	R 0012	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		0	R 0013	88-118-331-080	CHIP RES,S 1/10W (J) 330ohm T	a
MAIN		0	R 0014	88-118-332-080	CHIP RES 1/10W (J) 3.3K 0805	a
MAIN		0	R 0015	88-121-472-080	CARBON RES 1/6W (J) 4.7Kohm T	a
MAIN		0	R 0016	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN		0	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		X	R 0020	88-128-471-080	CHIP RESISTOR 1/8W 470ohm TP=	a
MAIN		0	R 0021	88-128-101-080	CHIP RES 1/8W 100ohm TP=8mm	a
MAIN		0	R 0022	88-118-562-080	CHIP RES 1/10W(J) 5.6Kohm TP=	a
MAIN		0	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
MAIN		0	R 0027	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN		0	R 0028	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN		0	R 0029	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
						CA-DW539 U2
MAIN		0	R 0030	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN		0	R 0031	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		0	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		0	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		0	R 0036	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN		0	R 0037	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
MAIN		0	R 0039	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
MAIN		0	R 0072	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN		0	R 0073	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
MAIN		X	R 0074	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
MAIN		0	R 0075	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN		X	R 0200	88-130-101-080	CARBON RES 1/4W (J) 100ohm TP	a
MAIN		0	R 0215	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN		0	R 0216	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN		0	R 0217	88-121-101-080	CARBON RES 1/6W (J) 100ohm TP	a
MAIN		0	R 0228	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN		0	R 0229	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN		0	R 0231	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
						CA-DW539 U2
MAIN		0	R 0232	88-118-272-080	CHIP RES 1/10W (J) 2.7Kohm T	a
MAIN		0	R 0233	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		0	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 T8	a
MAIN		0	R 0236	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN		0	R 0237	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		0	R 0241	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN		0	R 0242	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN		0	R 0243	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN		0	R 0244	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN		0	R 0245	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN		0	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	88-118-122-080	CHIP RES 1/10W (J) 1.2Kohm TP	a
MAIN		X	R 0254	88-118-122-080	CHIP RES 1/10W (J) 1.2Kohm TP	a
MAIN		0	R 0255	88-118-332-080	CHIP RES 1/10W (J) 3.3K 0805	a
MAIN		0	R 0269	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		X	R 0271	88-118-183-080	CHIP RES 18K 0805 1/10W	a
MAIN		X	R 0272	88-118-183-080	CHIP RES 18K 0805 1/10W	a

ELECTRICAL PARTS LIST - 9/10

! = ⚠ SAFTY 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-DW539 U2
MAIN		0	R 0273	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		0	R 0274	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		0	R 0291	88-118-123-080	CHIP RES 1/10W (J) 12K ohm T	a
MAIN		0	R 0293	88-118-123-080	CHIP RES 1/10W (J) 12K ohm T	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 T8	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		0	R 0307	88-118-562-080	CHIP RES 1/10W(J) 5.6Kohm TP=	a
MAIN		0	R 0308	88-118-562-080	CHIP RES 1/10W(J) 5.6Kohm TP=	a
MAIN		0	R 0309	88-121-471-080	CARBON RES 1/6W (J) 470ohm TP	a
MAIN		0	R 0310	88-121-103-080	CARBON RES 1/6W (J) 10Kohm TP	a
MAIN		0	R 0311	88-118-104-080	CHIP RES 1/10W (J) 100Kohm TP	a
MAIN		0	R 0312	88-121-101-080	CARBON RES 1/6W (J) 100ohm TP	a
MAIN		0	R 0313	88-118-182-080	CHIP RES 1/10W (J) 1.8Kohm TP	a
MAIN		0	R 0314	88-118-182-080	CHIP RES 1/10W (J) 1.8Kohm TP	a
MAIN		0	R 0319	88-118-224-080	CHIP RES 1/10W (J) 220K ohm	a
MAIN		X	R 0320	88-121-224-080	CARBON RES 1/6w (J) 220kohm T	a
						CA-DW539 U2
MAIN		0	R 0321	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN		0	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		0	R 0325	88-118-471-080	CHIP RES 1/10W (J) 470ohm TP=	a
MAIN		0	R 0326	88-118-471-080	CHIP RES 1/10W (J) 470ohm TP=	a
MAIN		0	R 0327	88-118-153-080	CHIP RES 1/10W (J) 15Kohm TP	a
MAIN		0	R 0328	88-118-153-080	CHIP RES 1/10W (J) 15Kohm TP	a
MAIN		0	R 0329	88-118-332-080	CHIP RES 1/10W (J) 3.3K 0805	a
MAIN		X	R 0330	88-118-822-080	CHIP RES 1/10W (J) 8.2Kohm TP	a
MAIN		0	R 0331	88-130-331-080	CARBON RES 1/4W (J) 330ohm TP	a
MAIN		X	R 0332	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
MAIN		0	R 0333	88-118-273-080	CHIP RES 27K 0805	a
MAIN		X	R 0334	88-118-101-080	CHIP RES 1/10W (J) 100ohm TP=	a
MAIN		0	R 0336	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		0	R 0338	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN		0	R 0347	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		0	R 0348	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		0	R 0351	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN		0	R 0352	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
						CA-DW539 U2
MAIN		0	R 0355	88-121-472-080	CARBON RES 1/6W (J) 4.7Kohm T	a
MAIN		0	R 0356	88-118-472-080	CHIP RES 1/10W (J) 4.7Kohm TP	a
MAIN		0	R 0361	88-118-153-080	CHIP RES 1/10W (J) 15Kohm TP	a
MAIN		0	R 0362	88-118-153-080	CHIP RES 1/10W (J) 15Kohm TP	a
MAIN		0	R 0470	87-140-229-080	CARBON RES 1/2W (J) 2.2ohm TP	a
MAIN		0	R 0490	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		0	R 0491	88-118-473-080	CHIP RES 1/10W (J) 47Kohm TP	a
MAIN		0	R 0492	88-118-331-080	CHIP RES,S 1/10W (J) 330ohm T	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 1/10W (J) 470Kohm 06	a
MAIN		0	R 0505	88-118-471-080	CHIP RES 1/10W (J) 470ohm TP=	a
MAIN		0	R 0506	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
MAIN		X	R 0507	88-118-152-080	CHIP RES 1/10W (J) 1.5Kohm T	a
MAIN		0	R 0509	88-121-471-080	CARBON RES 1/6W (J) 470ohm TP	a
MAIN		X	R 0513	88-130-101-080	CARBON RES 1/4W (J) 100ohm TP	a
MAIN		0	R 0516	88-118-223-080	CHIP RES 1/10W (J) 22Kohm TP	a
MAIN		0	R 0521	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		X	R 0522	88-118-222-080	CHIP RES 1/10W (J) 2.2Kohm TP	a
MAIN		0	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
						CA-DW539 U2
MAIN		0	R 0528	88-118-102-080	CHIP RES 1/10W (J) 1Kohm TP=8	a
MAIN		0	R 0672	88-118-394-080	CHIP RES,S 1/10W(J) 390Kohm T	a
MAIN		0	R 0761	87-029-019-010	FUSE RES 1/2W (J) 2.2ohm	a
MAIN		X	R 0762	88-118-333-080	CHIP RES 1/10W (J) 33K ohm T	a
MAIN		X	R 0763	88-118-563-080	CHIP RES 1/10W (J) 56Kohm TP=	a
MAIN		0	R 0764	88-118-273-080	CHIP RES 27K 0805	a
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 1/10W (J) 470Kohm 06	a
MAIN		0	R 0771	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
MAIN		0	R 0772	88-118-103-080	CHIP RES 1/10W (J) 10Kohm TP=	a
MAIN		0	R 0892	88-118-471-080	CHIP RES 1/10W (J) 470ohm TP=	a
MAIN		0	SFR0761	87-024-239-010	POTENTIALMETER 22K	a
MAIN		X	SH 0001	88-ZA1-605-010	SHIELD CASE (STEEL)	a
MAIN		0	SW 0301	88-CT6-619-010	BACK SLIDE SW 6P2T SHORTING	a
MAIN		0	TC 0001	87-011-254-080	CER TRIMMER (PINK) 20P 6.15x5	a
MAIN		0	X 0001	87-A70-061-010	X'TAL 4.5MHZ	a
POWER		0	C 0901	87-A10-577-080	CER CAP 0.022UF/50V (Z) F	a
POWER		0	C 0902	87-A10-577-080	CER CAP 0.022UF/50V (Z) F	a
POWER		0	C 0903	87-A10-577-080	CER CAP 0.022UF/50V (Z) F	a

ELECTRICAL PARTS LIST - 10/10

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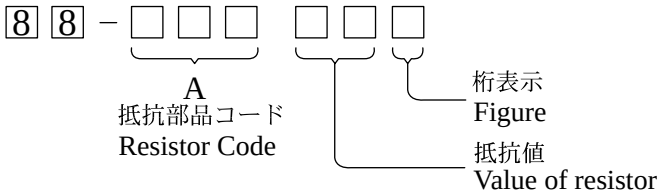
UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CA-DW539 U2
POWER		0	C 0904	87-A10-577-080	CER CAP 0.022UF/50V (Z) F	a
POWER		S	D 0901	87-A40-465-090	DIODE FR202	a
POWER		S	D 0902	87-A40-465-090	DIODE FR202	a
POWER		S	D 0903	87-A40-465-090	DIODE FR202	a
POWER		S	D 0904	87-A40-465-090	DIODE FR202	a
POWER		S	D 0905	87-A40-465-090	DIODE FR202	a
POWER	!	0	J 0901	87-A60-177-010	AC JACK W/SW BLK U	a
POWER	!	S	PR 0901	87-A90-473-080	PROTECTOR 3.5A 491 60V (TP=52	a
POWER	!	0	PT 0901	8B-CT5-620-010	TRANSFORMER AC120V U DC=12.5V	a

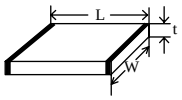
- Regarding connectors, they are not stocked as they are not the initial order items.
  The connectors are available after they are supplied from connector manufacturers upon the order is received.

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

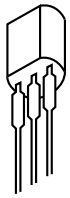
チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



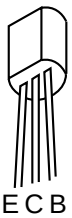
チップ抵抗
Chip resistor

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 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

TRANSISTOR ILLUSTRATION



2SA1296
2SA1318



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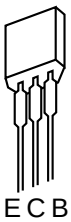
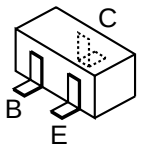
2SA933
2SC1815
KTC3198
2SC2240



DTC114TSA



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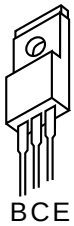
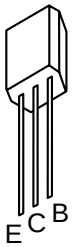
2SC2712
2SC2714
DTC114TKA
DTC114YKA
KRC104S

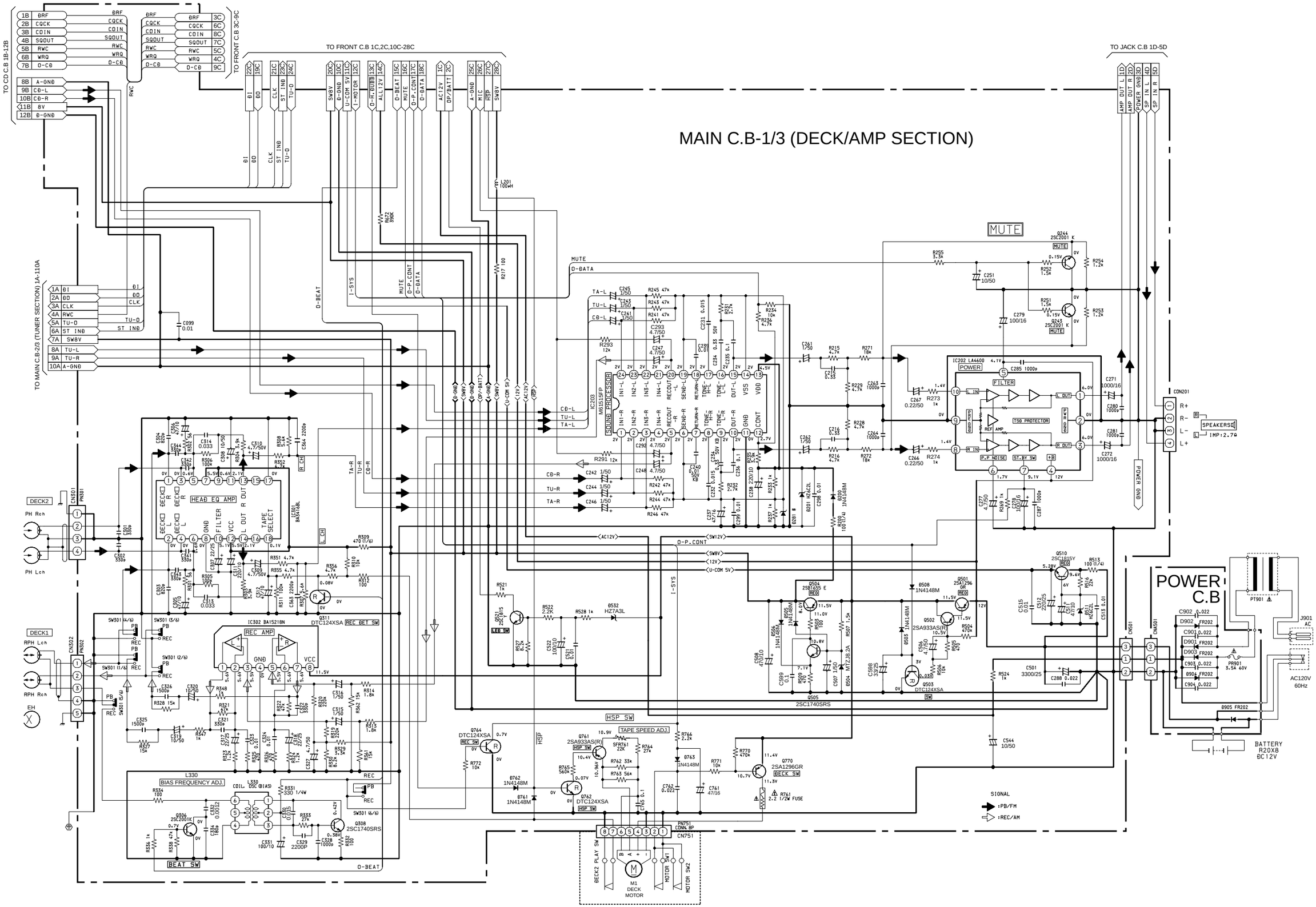


2SB1655



2SC1740
DTC124XSA

SCHEMATIC DIAGRAM - 1/4 (MAIN-1/2, DECK/AMP/POWER SECTION)



MAIN C.B-2/3 (TUNER SECTION)

L003,TC001 AM TRACKING ADJ. | L004 AM VT ADJ. | L005 FM TRACKING ADJ. | L006 FM VT ADJ.

HLĐ001 CN005 CN004 CN006 CN007 HLĐ002 L003 BAR- ANT

TC001 20P | C005 0.1 | ĐD003 SVC384 (S/T) | R003 100k | C006 18p J. CH | C007 470p J. CH | L004 OSC COIL AM | R032 33 | C050 0.01 | C010 0.01 | L005 FM RF | C008 1000p | R004 47k | ĐD004 HVU202A | C011 0.01 | C048 0.01 | C012 0.01 | ĐD005 HVU202A | R006 4.7k | R031 1k | R002 1k

R005 -.2k | L006 FM OSC | C013 5P | C014 330p | C015 1000p | C027 1 | R014 3.5k | C028 0.1 B | C029 0.1 B | C025 0.22 B | R007 150 | C016 47/10 | R033 10 | R008 47 | R015 4.7k

IC001 TA2149N

pin	24	23	22	21	20	19	18	17	16	15	14	13
	FM RF OUT	VCC	AM IN	FM OSC	AM OSC	OSC-O	ST. INĐ	IF REQ.	ĐET OUT	MPX IN	LPF1	LPF2
	4.7	4.5	4.7	4.5	4.7	2.9	0	0.7	0.7	0.7	3.5	3.4

pin	1	2	3	4	5	6	7	8	9	10	11	12
	GNĐ	FM RF IN	LOW-CUT	MIX-O	VCC	AM IF IN	FM IF IN	GNĐ	AGC	QUAĐ	Rch	Lch
	0	0.8	0	4.4	4.7	4.1	4.7	0	0.7	3.6	1.2	1.2

FM/AM IF/DET MPX/OSC FRONT END

FM ROĐ ANT. CN001 | R001 1k | ĐD001 1N4148M | ĐD002 1N4148M | C001 22p J. CH | L002 FM BPF | C002 33p J. CH | C003 22p J. CH | C019 100/10 | C046 0.01

R034 15k | C017 0.047 | C018 0.047 B | C020 4.7/50 | CF001 CDA10.7 MG80A | C030 0.027 | C031 0.027 | C075 0.01 | R073 10k | C047 0.01 | R075 4.7k | Q071 2SC2712GR MUTE | R072 4.7k | R012 1k | R074 100 | C023 0.01 | L008 10μH | L007 AM IF ADJ. | L007 AM IFT W/C.F | CF003 CFSFE10.7MS2G-A | CF002 CFSFE10.7MS2G-A | Q001 2SC2714 (O) | R010 1.5k | C021 0.01 | C022 0.01 | R009 330 | R011 47k | R013 330

TP1 (VT) | R021 100 | R022 5.6k | C039 4.7/50 | C037 0.01 | C038 47/10 | R023 1k | R020 470 | ĐD006 HZS3B1 | C035 0.01 | C036 100/10 | C040 0.01 | R024 680 | C091 0.01 | C041 1000p | C042 1000p | R025 2.2k | C043 1000p | C049 470p

C092 0.01 | C093 0.01 | C044 15p J. CH | X001 4.5MHz | C045 15p J. CH | R037 100k

IC002 LC72121M

pin	24	23	22	21	20	19	18	17	16	15	14	13
	X-OUT	NC	A-GNĐ	A-OUT	AIN	PĐ	VĐĐ	FM-IN	AM-IN	GNĐ	IF MUTE	IF-IN
	1.4	0	0	2.2	1.0	1.0	2.7	1.3	0	0	6.6	0

pin	1	2	3	4	5	6	7	8	9	10	11	12
	X-IN	X-GNĐ	CE	ĐI	CL	ĐO	SW/LW/FM1	MW	AM	MONO BEAT	MUTE	NC
	1.0	0	0	0	0	4.3	0	0	2.0	3.4	3.5	0

R027 4.7k | R028 4.7k | R029 4.7k | R030 4.7k

Q002 2SC1740 S/RS | Q003 2SA1162 Y | R035 2.2k | R036 4.7k | Q004 DTC114YKA | R039 100k | R016 4.7k | R017 4.7k | C034 0.47 | C033 0.47 | R018 2.2k | R019 2.2k | C071 0.01 | C072 100/10 | C073 0.01

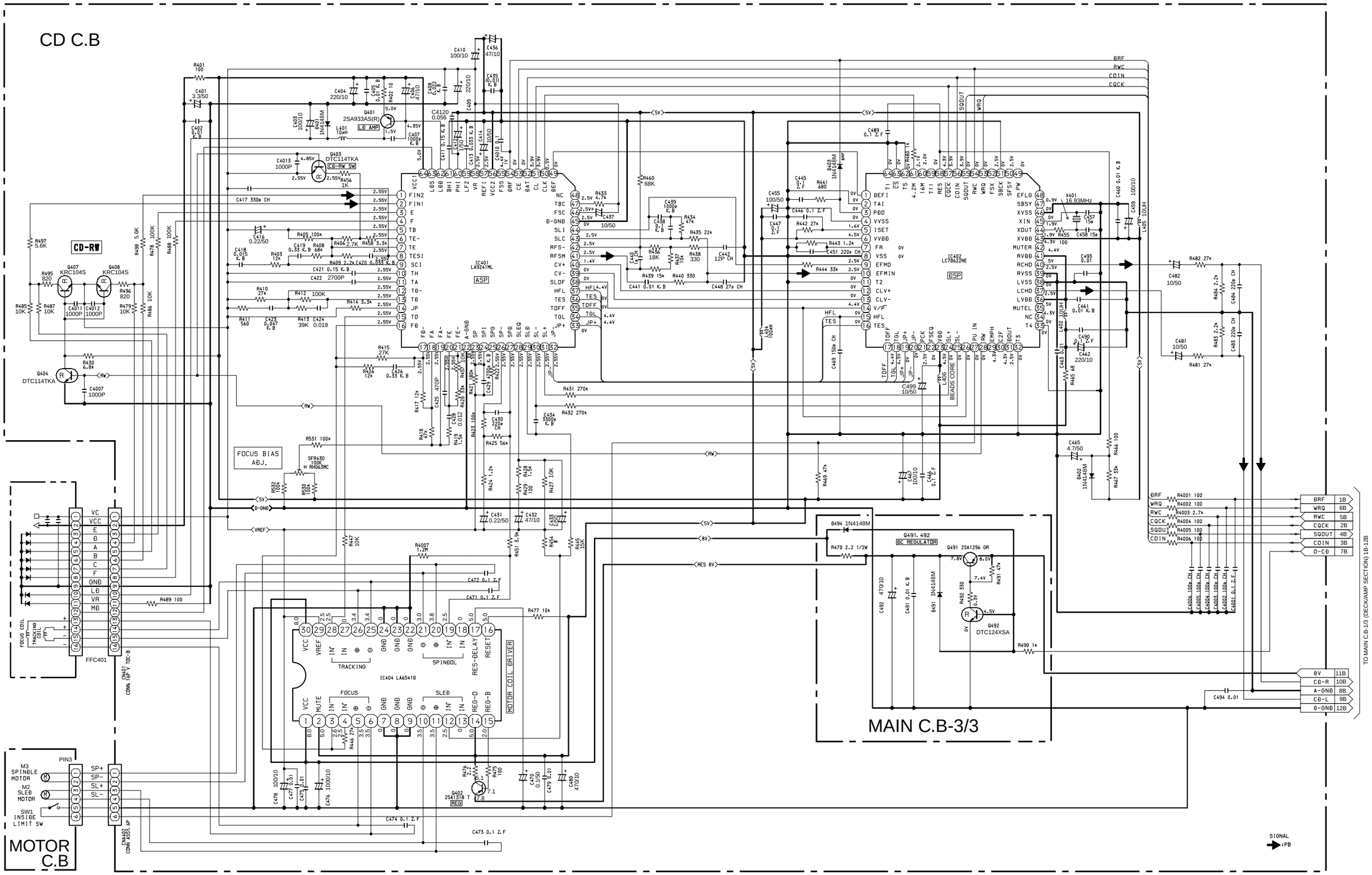
TO MAIN C.B-1/3 (DECK/AMP SECTION) 1A-10A

RWC	4A
ĐI	1A
CLK	3B
ĐO	2A
TU-O	5A
ST INĐ	6A
SW8V	7A
TU-L	8A
A-GNĐ	10A
TU-R	9A

Q002-Q004 +B REG

SIGNAL
: FM
: AM

SCHEMATIC DIAGRAM - 3/4 (CD SECTION)



SCHEMATIC DIAGRAM - 4/4 (FRONT/JACK SECTION)

FRONT C.B

LCB601
AIW4239-32P2N
DISPLAY

IC602
SPS-442-1-F1
REMOTE SENSOR

LED607
BT-H2020-31 RED
OPE/BATT

TO CD MECHA
CD DOOR SWITCH
CN205
CONN 2P V PH
I-DOOR
GND
CON601
2P

D615 1N4148M
D616 1N4148M
12V

Q616
DTC124XSA
REM.SW

R651 220k
C617 1200p
C618 100/10

A3

1C AC12V
2C OP/BATT
3C DRF
4C WRQ
5C RWC
6C CQCK
7C SQOUT
8C COIN
9C D-CD

R611 2.7k C1
R612 2.7k C2
R613 2.7k C3
R614 2.7k C4
R615 2.7k C5
R616 2.7k C6
R617 2.7k C7

10C D-GND
11C U-COM 5V
12C I-MOTOR
13C O-H.DUBB
14C ALL12V
15C O-BEAT
16C MUTE
17C O-P.CONT
18C O-DATA

R670 2.7k E2
R618 1k A1
R620 1k A4
R621 2.7k A5
R622 2.7k A7
R664 22k

19C DO
20C SW8V
R678 2.7k T6

21C CLK
22C DI
R675 2.7k T5
R676 2.7k

23C ST INH
24C TU-O
U3
T4
R677 2.7k

25C A-GND
26C MIC
27C HSP
28C SW8V

L605
BEADS CORE

TO MAIN C.B-1/3 (DECK/AMP SECTION) 1-28C

IC601
LC867132V-5T98
μ-COM

COM0 COM1 COM2 VSS2 VDD2
O-CD ON
O-TU ON
O-P.CONT
O-H.DUBB
O-MUTE
O-MO/ST
O-BEAT CONT
BEAT
O-COIN
I-SQOUT
O-CQCK
O-RWC/CE
O-DATA
O-CLK
O-CLKSFT
I-HOLD
I-RST
XT1 (IN)
XT2 (OUT)
VSS1
CF1 (IN)
CF2 (OUT)
VDD1
I-ST INH
I-KEY0
I-CDSW
I-KEY1
I-MOTOR
I-REC
I-FM/AM
I-TUDO
O-BASS LED
O-GS LED
O-DUBB LED
O-INT
O-JAZZ LED
O-POP LED
O-ROCK LED
O-TA LED
O-TU LED
O-CD LED
VDD3
I-REMO
I-WRQ
I-DRF

C608 0.01
C607 0.01
C609 0.1
C610 100/10
C611 0.1
C612 470/10
L606 15uH
L603 15uH
L601 47uH
R604 330k
D602 1N4148M
D601 1N4148M
X601 32.768KHz
X602 5.76MHz
C601 18p
C602 27p
C603 39p
C604 22p
C605 33P
R601 820
R679 2.7k
R671 #
R672 2.7k
R673 2.7k
R674 2.7k
R602 10k
R603 470k
R652 10k
R658 10k

D.OUT
U-COM 5V
UCOM5V
12V
SW 8V

D628 1N4148M
D625 1N4148M
D623 1N4148M
R680 1k

R627 1k
R628 820
R629 1k
R630 1k
R631 1.2k
R624 1.5k
R625 3.3k
S602 S603 S604 S605 S606 S608 S607
REPEAT/ FM MODE/ OSC/SLEEP
T-BASS
DUB SPEED

R640 1k
R641 820
R642 1k
R643 1k
R633 1.2k
R634 1.5k
R635 1.8k
S612 S613 S614 S615 S616 S617 S618 S619
CD RADIO BAND TAPE VOL VOL ROCK POP JAZZ

LED609
BT-H203D-31 RED
HI-SPEED DUBBING
LED610
BT-H203D-31 RED
T-BASS

R653 1.5k
R660 1.5k
Q612 DTC114TSA
H-DUBB
R6004 1k
R6003 2.7k
C6011 0.022
C6004 0.022
Q605 DTC114TSA
T-BASS
Q-SOUND

D612 1N4148M
R606 1k
Q602 2SA933AS(R)
Q603 DTC124XSA
HOLD SW
RESET
R605 47k
R607 100k
C616 0.47/50
D611 1N4148M
C615 0.47/50
C614 0.1
C613 2.2/50
Q601 DTC124XSA
DC DET SW

MIC AGC
Q820 KTC3198 GR
D820 1N4148M
R880 2.2k
D821 1N4148M
D822 1N4148M
C834 4.7/50
R884 33k
C838 1/50
R888 10k
R889 10k
Q823 DTC124XSA
HSP SW
R890 22Ω (1/4)
MIC JACK

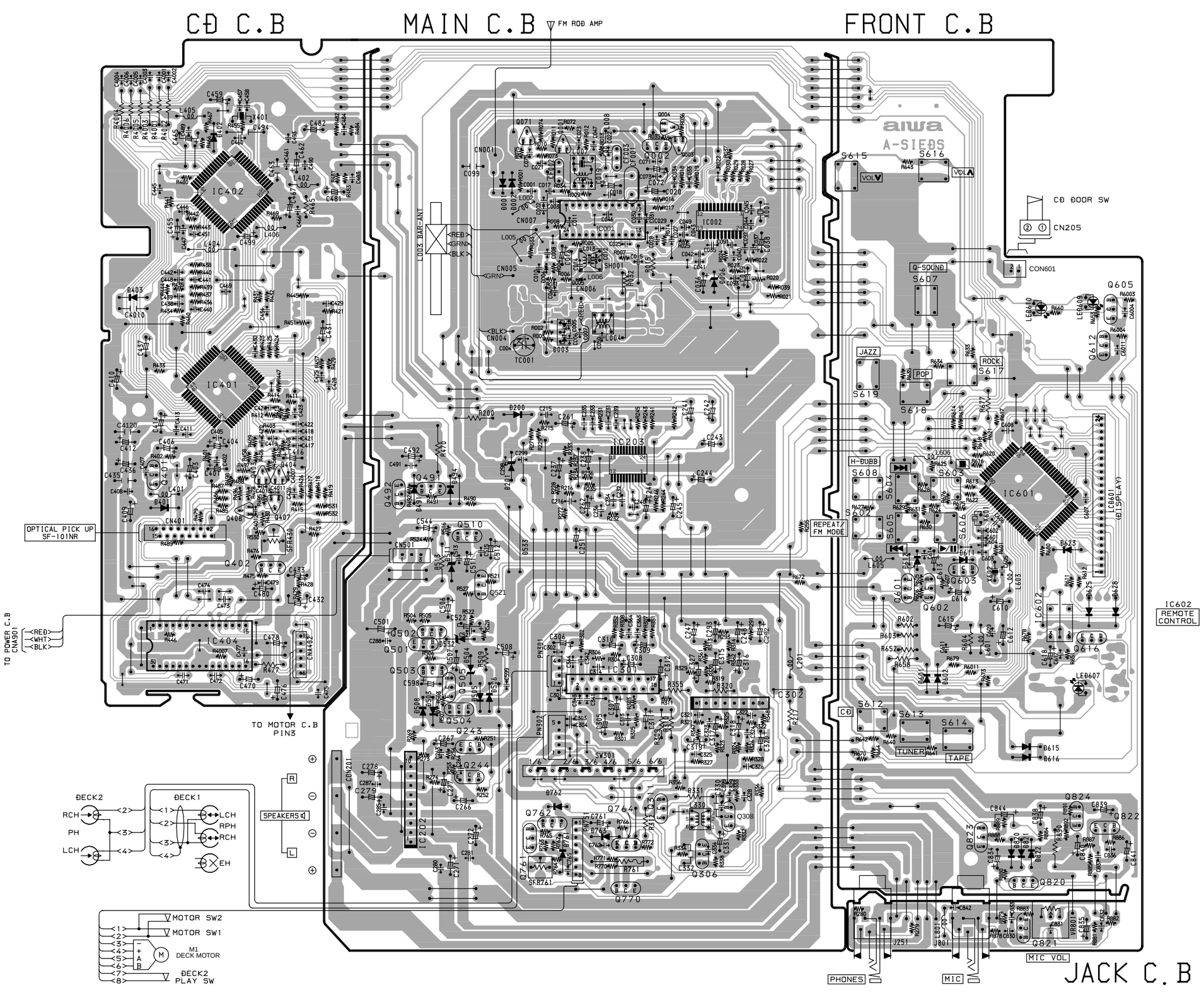
JACK C.B(1/2)

J801
MIC JACK
MIC
L801 F.B
R878 680
C830 0.01
C831 0.01
C832 1800p
R882 4.7k
C835 0.1/50
R881 470k
VR801 10K
MIC VOL
R879 220k
C833 1000p
R883 100
C842 470p
C836 1000p
R886 470k
C841 1/50
C827 1000p
R885 4.7k
C839 1/50
Q822 KTC3198 GR
R887 100
C840 470/10
MIC
R891 330
Q824 2SC1740S RS
BUFFER
R892 470
C844 1/50
Q821 2SC2240GR MIC AMP
Q822
MIC AMP

MIC SIGNAL :
PB SIGNAL :

JACK C.B (2/2)

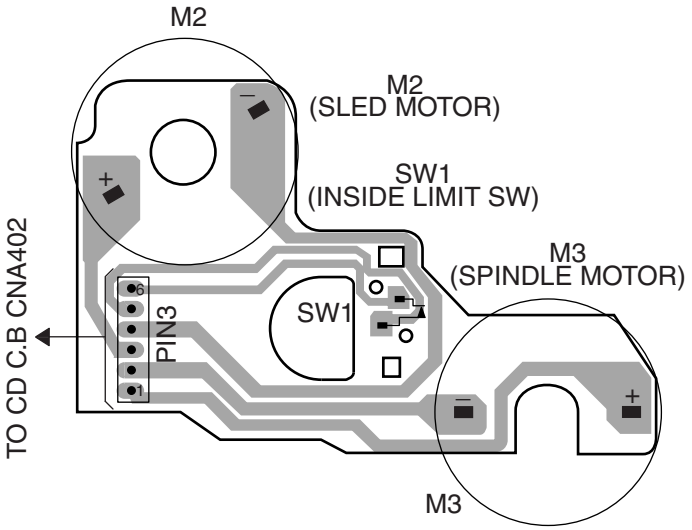
J251
HTJ-035-18
PHONES
R279 180
R280 180
1D AMP OUT L
2D AMP OUT R
3D POWER GND
4D SP IN L
5D SP IN R
TO MAIN C.B-1/3 (DECK/AMP SECTION) 1D-5D

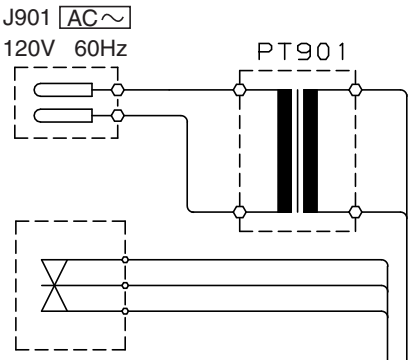

CD C.B
MAIN C.B
FRONT C.B
JACK C.B
FM ROD AMP
LOOP BAR ANT
OPTICAL PICK UP SF-101NR
TO POWER C.B CNA901
TO MOTOR C.B PIN3
CD DOOR SW
CN205
CON601
IC602 REMOTE CONTROL
REPEAT/ FM MODE
PHONES
MIC
MIC VOL
DECK2
DECK1
SPEAKERS
MOTOR SW2
MOTOR SW1
M1 DECK MOTOR
DECK2 PLAY SW

15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

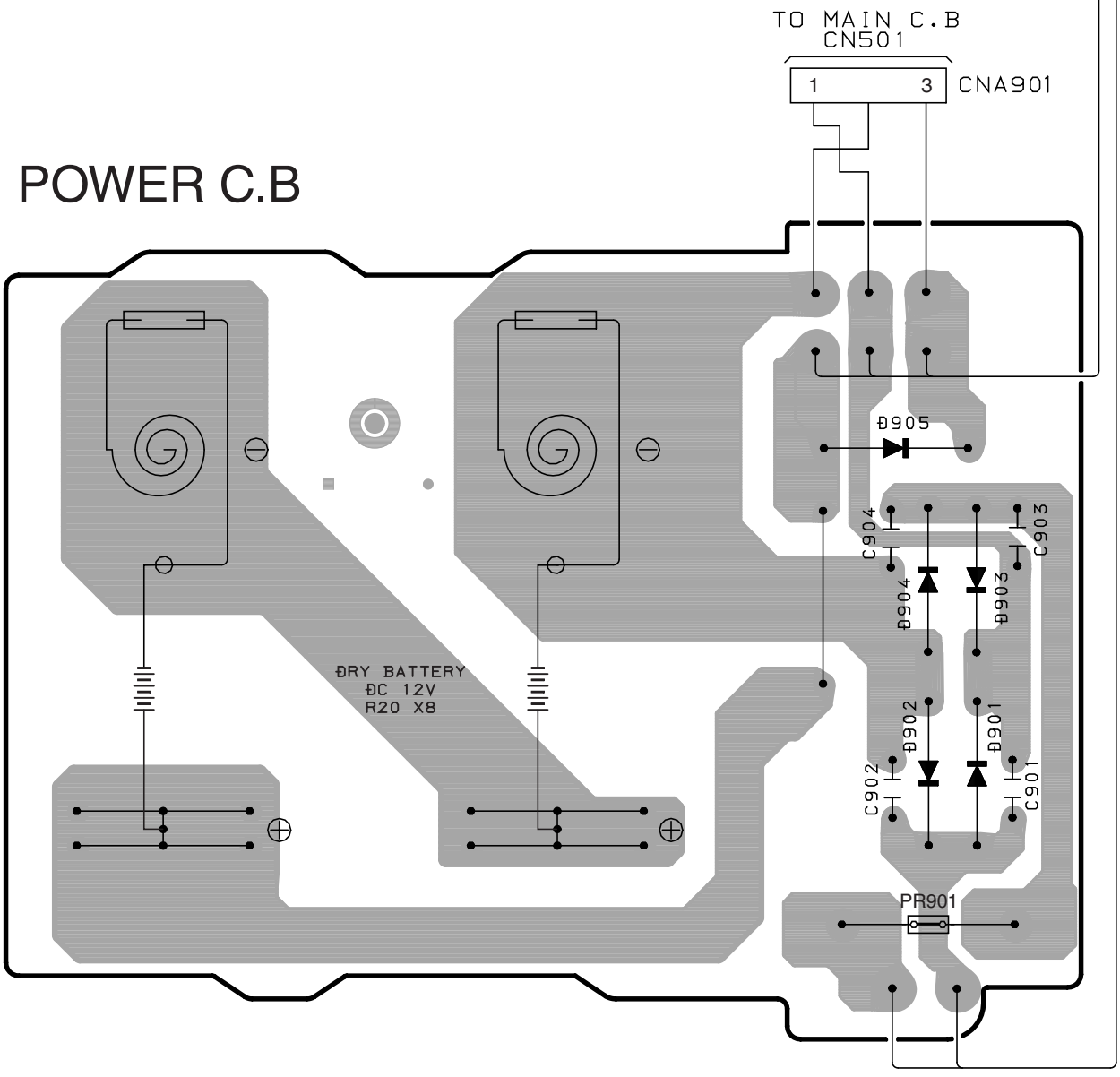
A B C D E F G H I J K L M N O P Q R S T U

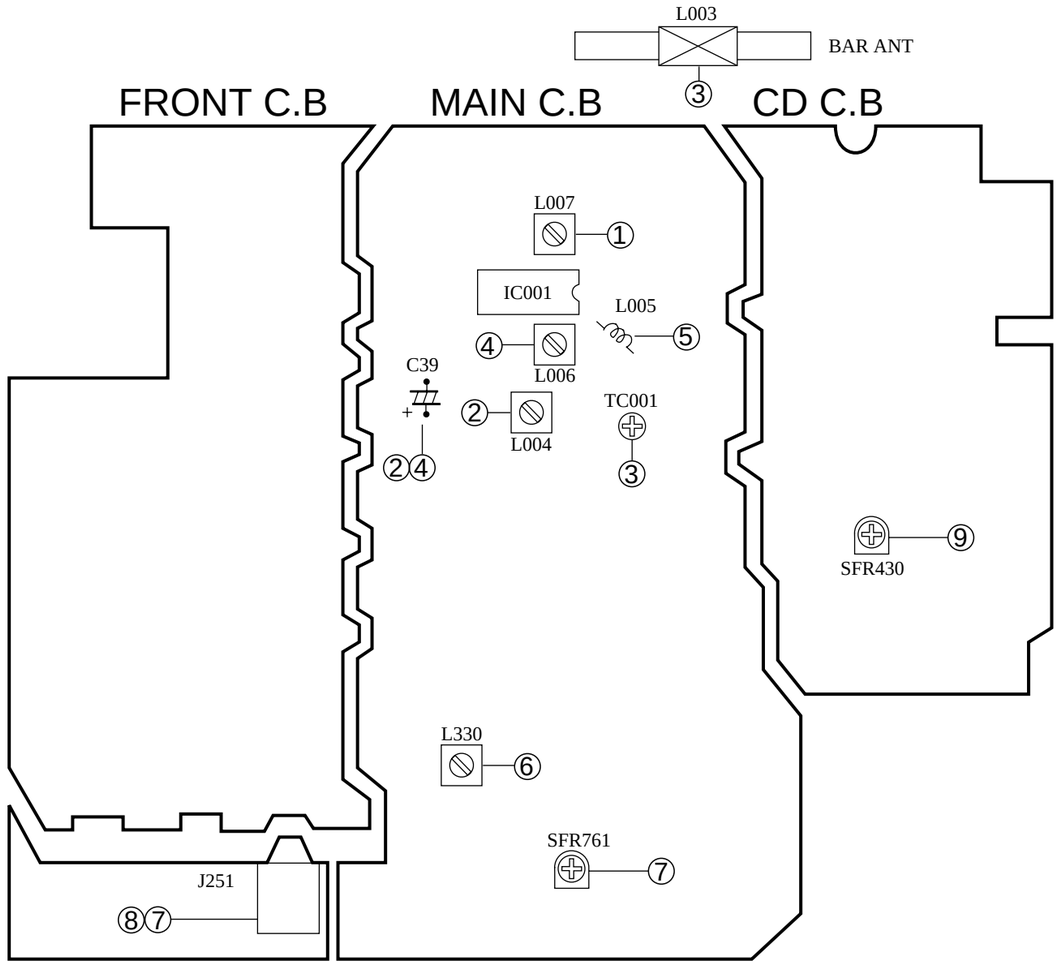
MOTOR C.B

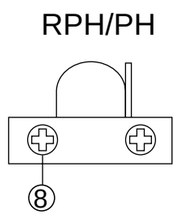




POWER C.B







< TUNER SECTION >

1. AM IF Adjustment
   L007 ..... 530kHz

2. AM VT Adjustment
   Settings: • Test point: C39 ⊕
   • Adjustment location: L004
   Method: Set to AM 1710kHz adjust L004 so that the test point becomes 5.5V±0.05V

3. AM Tracking Adjustment
   L003 ..... 600kHz
   TC001 ..... 1400kHz

4. FM VT Adjustment
   Settings: • Test point: C39 ⊕
   • Adjustment location: L006
   Method: Set to FM 108MHz adjust L006 so that the test point becomes 6.0V±0.05V

5. FM Tracking Adjustment
   L005 ..... 98MHz

< TAPE SECTION >

6. Bias frequency Adjustment
   L330 ..... 56kHz ±2kHz

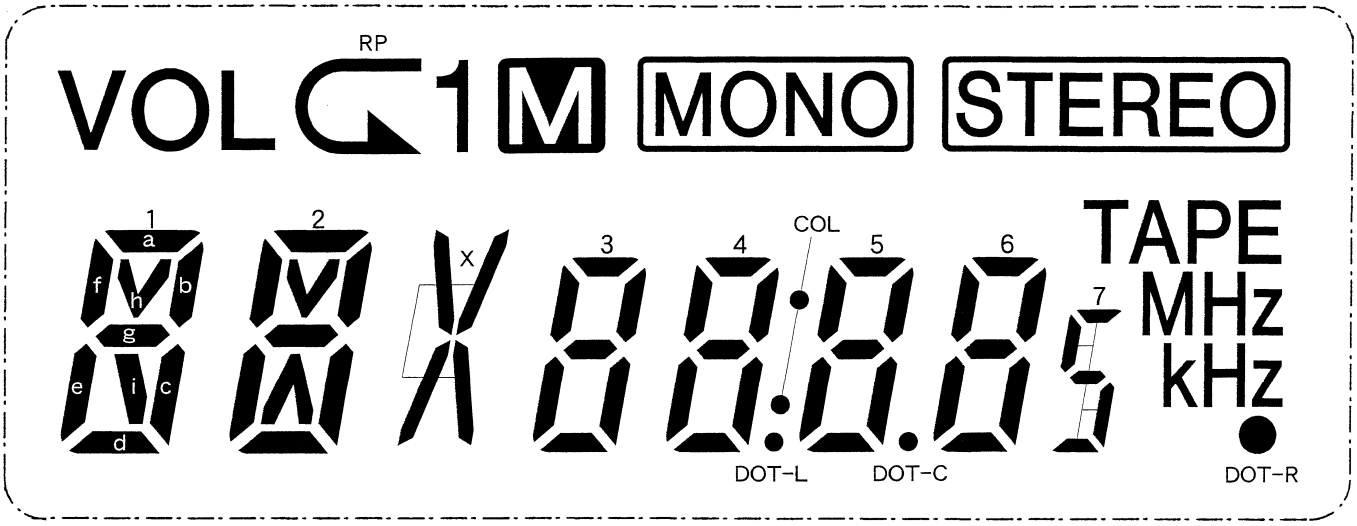
7. Tape speed Adjustment
   Settings: • Test tape: MT111
   • Test point: PHONES JACK (J251)
   • Adjustment location: SFR761
   Method: Play back the test tape and adjust so that the output frequency is 3000Hz ±30Hz.

8. Azimuth Adjustment
   Settings: • Test tape: TTA-320
   • 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 ±0.1mV.

LCD DISPLAY -1/1 (AIW4239-32P2N)
GRID ASSIGNMENT

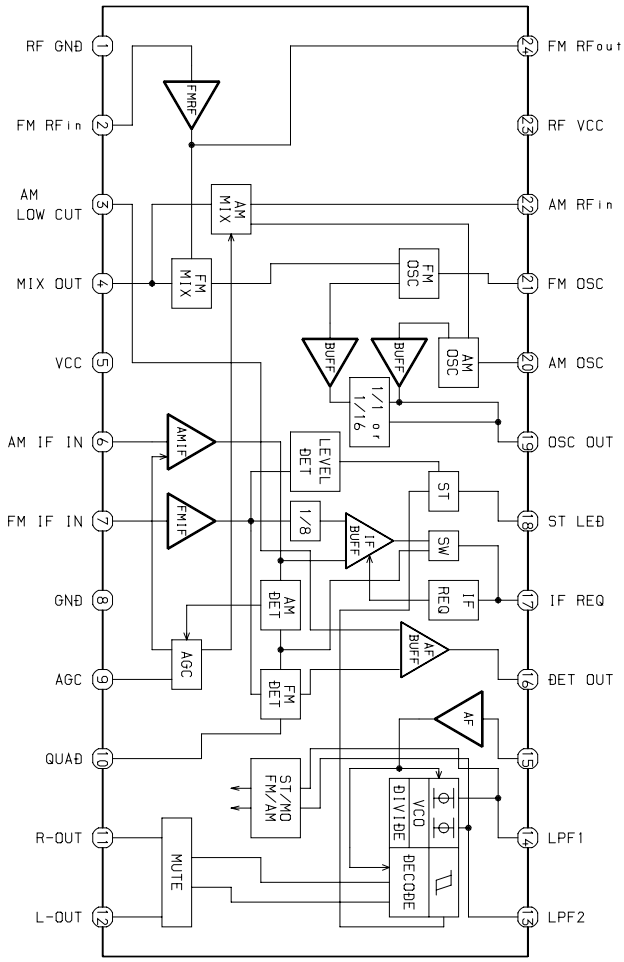


ANODE CONNECTION

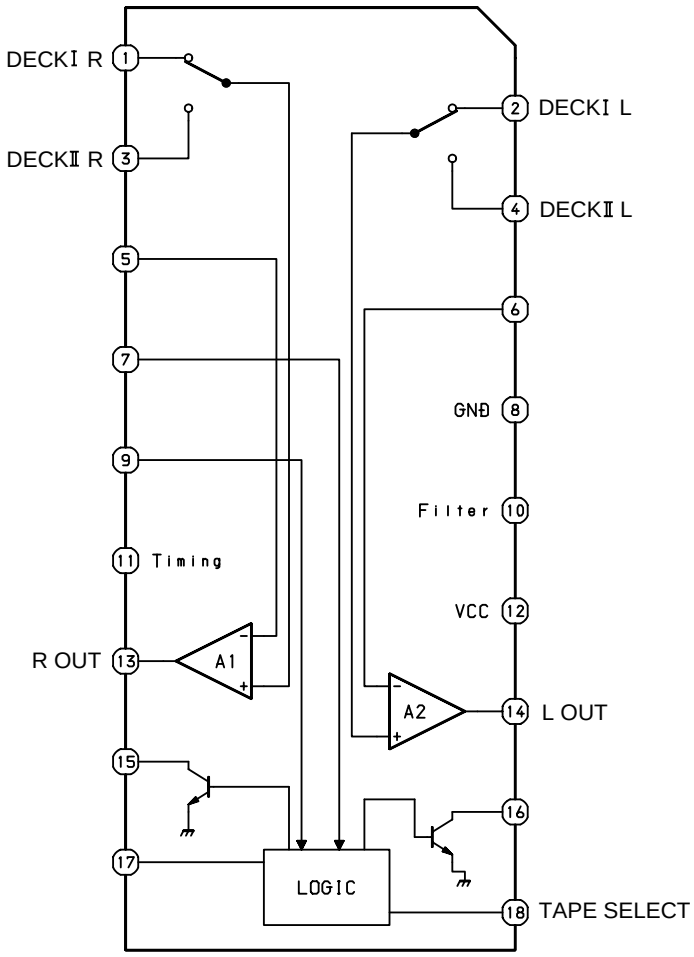
NO	COM1	COM2	COM3
1	2b	2c	2d
2	1b	1c	1d
3	1a	1f	1e
4	1h	1g	1i
5	—	—	VOL
6	2a	2f	2e
7	2h	2g	2i
8	3f	3e	RP
9	3a	3g	3d
10	3b	3c	1
11	4f	4e	M
12	4a	4g	4d
13	4b	4c	X
14	col	DOT-L	MONO
15	5f	5e	DOT-R
16	5a	5g	5d
17	5b	5c	DOT-C
18	6f	6e	STEREO
19	6a	6g	6d
20	6b	6c	7
21	TAPE	MHz	KHz
22	COM1	—	—
23	—	COM2	—
24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

IC BLOCK DIAGRAM -1/2

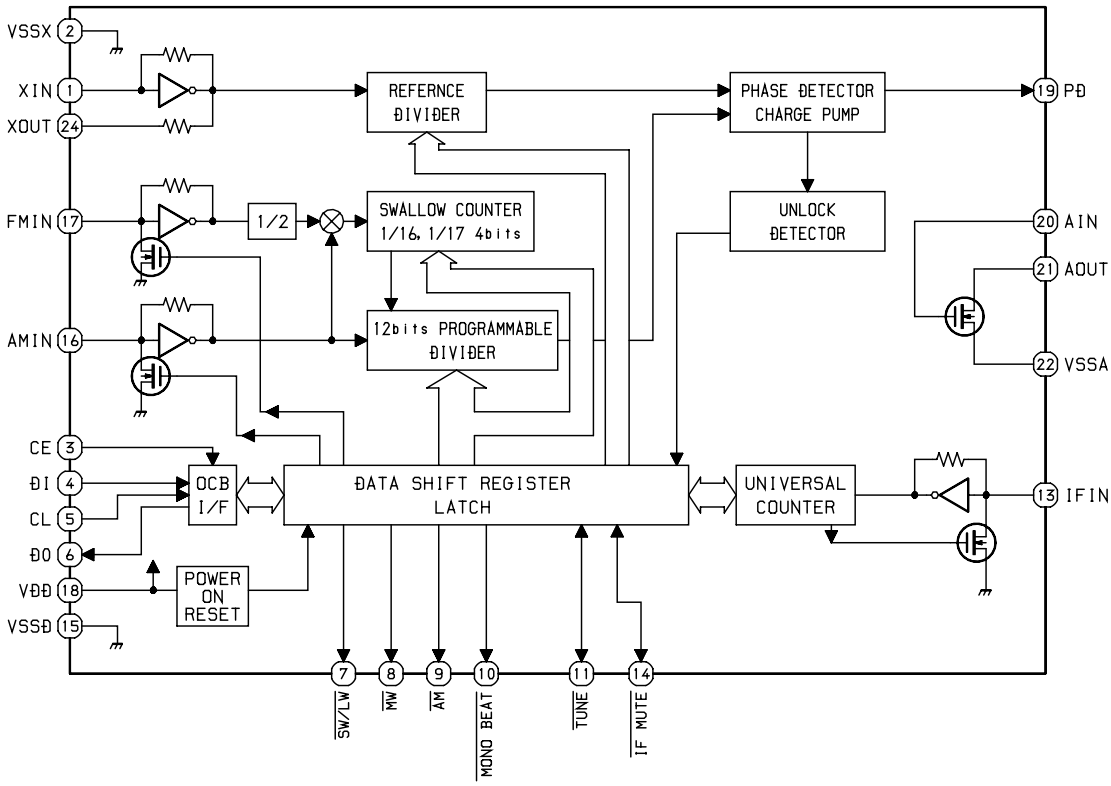
IC, TA2149N



IC, BA3416BL

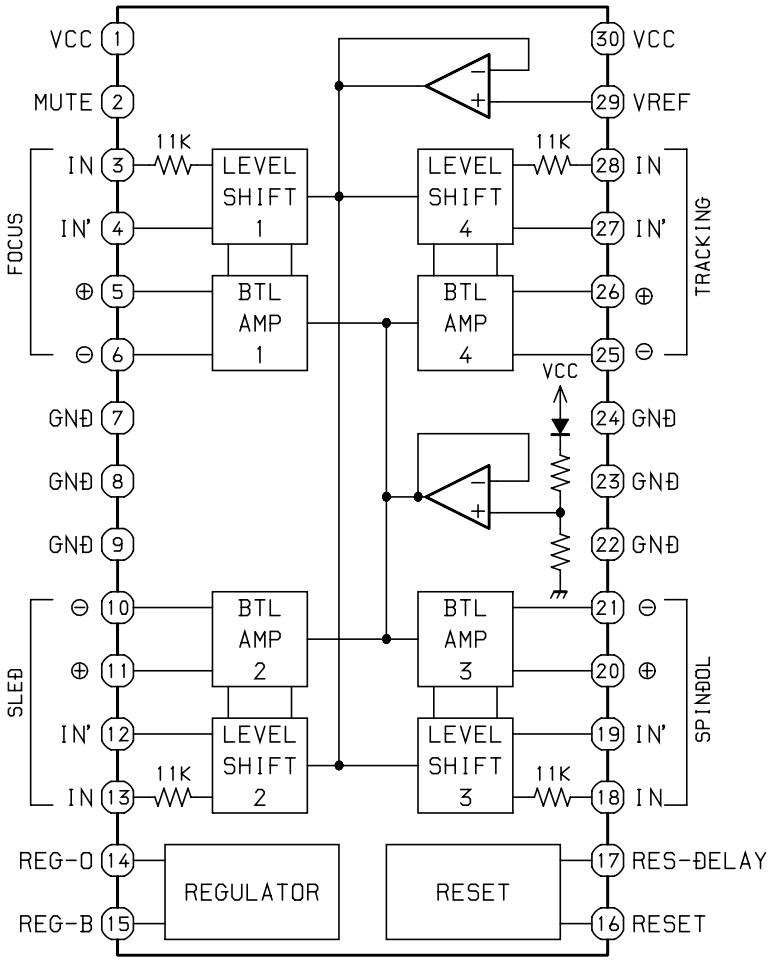


IC, LC72121M

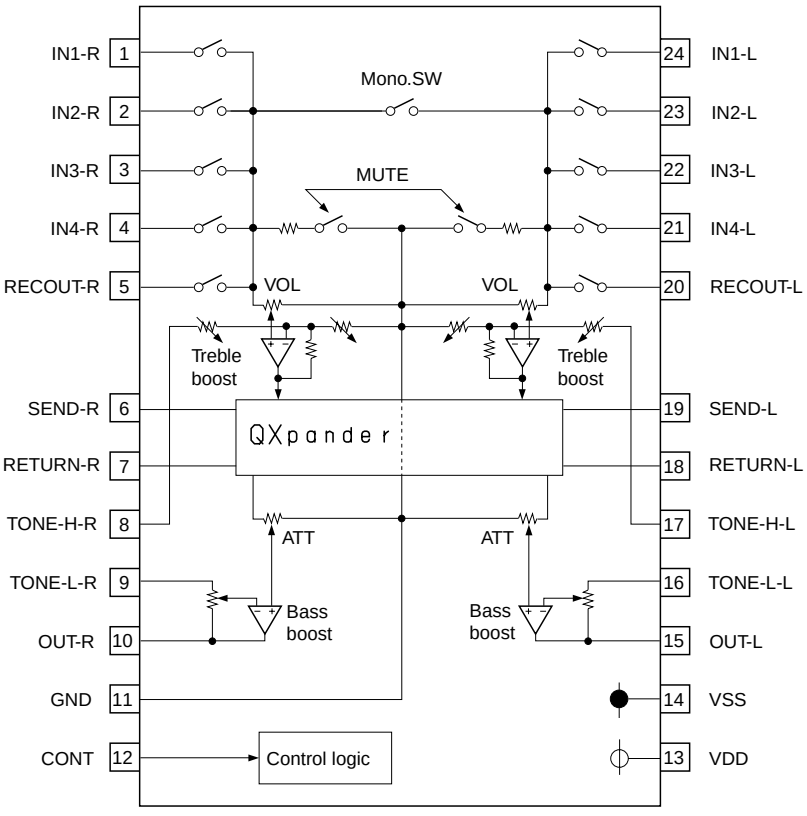


IC BLOCK DIAGRAM -2/2

IC, LA6541D



IC, M61515FP



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	Spndle amp input.
25	SPG	I	Pin to which external spindle gain setting resistor in 12 cm mode is connected. (Not 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. (Not connected)
56	VCC2	—	Servo system and digital system Vcc pin.
57	REFI	—	Pin to which external bypass capacitor for reference voltage is connected. (Pull down)
58	VR	O	Reference voltage output pin.
59	LF2	I	Disc defect detector time constant setting pin. (Pull down)
60	PH1	I	Pin to which external capacitor for RF signal peak holding is connected. (Pull up)
61	BH1	I	Pin to which external capacitor for RF signal bottom holding is connected. (Pull down)
62	LDD	O	APC circuit output pin.
63	LDS	I	APC circuit input pin.
64	VCC1	—	RF system Vcc pin.

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. (Pull down)
6	VVDD	—		Power supply pin for built-in VCO.
7	FR	I		Pin for VCO frequency range adjustment. (Pull down)
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	TEST2	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/$\overline{P}$	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. (Not connected)	
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. (Not connected)	
23	VDD	—	Digital system power supply pin.	
24	SL+	I/O	General purpose input/output pin 1 to 5.	The pin is controlled by the serial data command from microprocessor. When the pin is not used, set the pin to the input terminal and connect to 0V, or alternately set the pin to output terminal and leave the pin open. (26: Not connected)
25	SL-	I/O		
26	PUSW	I/O		
27	PU IN	I/O		
28	RW	I/O		
29	EMPH	O	De-emphasis monitor output pin. De-emphasis disc is being played back at H. (Not connected)	
30	C2F	O	C2 flag output pin. (Not connected)	
31	DOUT	O	DIGITAL OUT output pin. (EIAJ format) (Not connected)	
32, 33	TEST3, TEST4	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. (Not connected)
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. (Not connected)

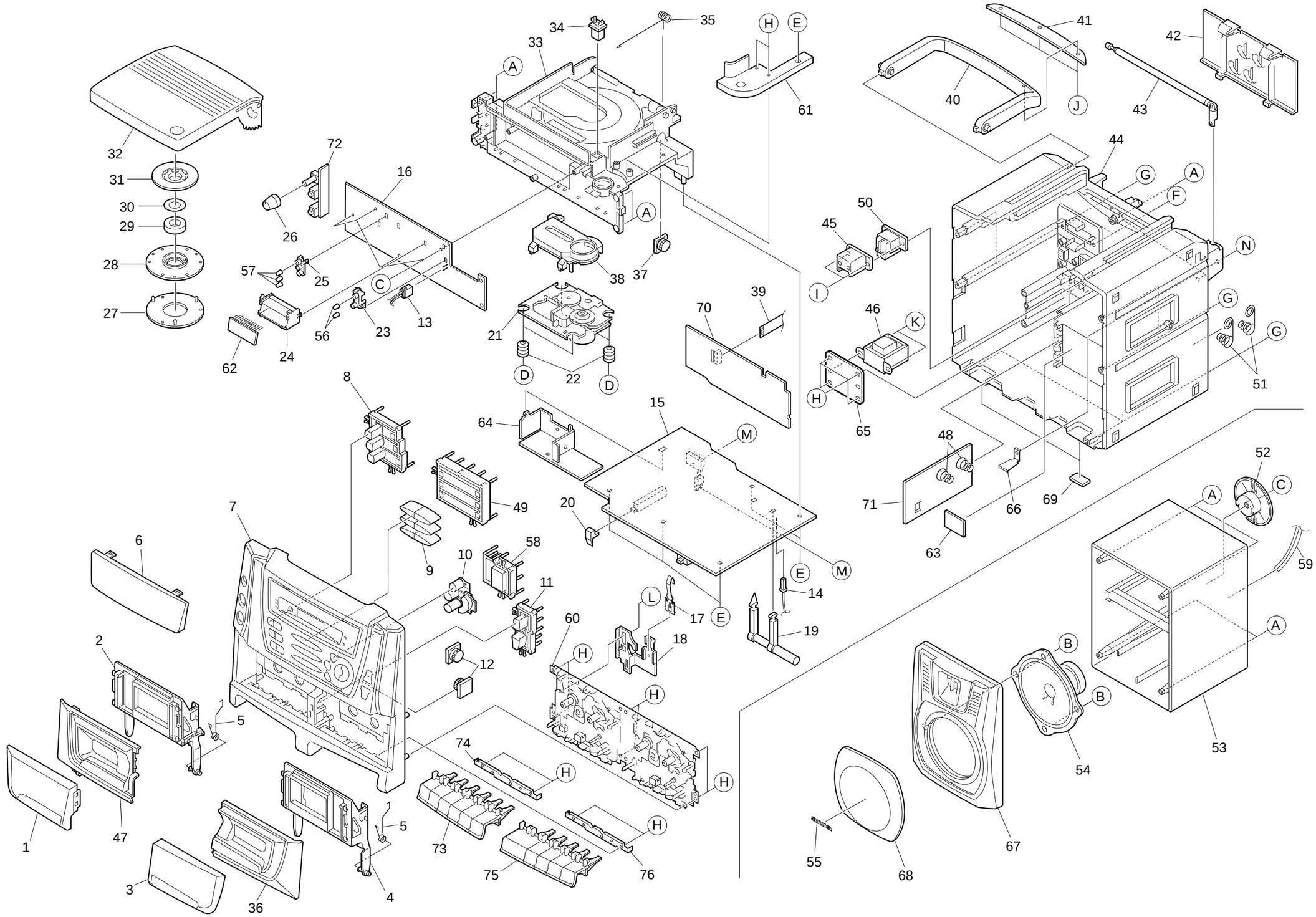
Pin No.	Pin Name	I/O	Description
43	XVDD	—	Crystal oscillator power supply pin.
44	XOUT	O	Pin to which external 16.9344 MHz crystal oscillator is connected.
45	XIN	I	
46	XVSS	—	Crystal oscillator GND pin. Be sure to connect to 0V.
47	SBSY	O	Subcode block sync signal output pin. (Not connected)
48	EFLG	O	C1, C2, single and dual correction monitoring pin. (Not connected)
49	PW	O	Subcode P, Q, R, S, T, U and W output pin. (Not connected)
50	SFSY	O	Subcode frame sync signal output pin. Falls down when subcode enters standby. (Not connected)
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. (Not connected)
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	TST11	O	Test signal output pin. Use this pin as open (normally L output). (Not connected)
60	16M	O	16.9344 MHz output pin. (Not connected)
61	4.2M	O	4.2336 MHz output pin.
62	TEST5	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	TEST1	I	Test signal input pin without built-in pull-down resistor. Be sure to connect to 0V.

Note: The same potential must be applied to the respective power supply terminals. (VDD, VVDD, LVDD, RVDD, XVDD)

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	TU-DI	—	Data output to LC72121M.
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	LCD segment output.
41	VDD3	—	Power supply for microcomputer (+5V).
42	VSS3	—	GND.
43-54	S12-S23	O	LCD segment output. (51-54: Not connected)
55	O-CD LED	O	LED ON/OFF control output for CD functions.

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. (Not connected)
59	O-POP LED	O	LED ON/OFF control output for POP. (Not connected)
60	O-JAZZ LED	O	LED ON/OFF control output for JAZZ. (Not connected)
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. (Not connected)
77	BEAT	O	Beat control output for Q306.
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 EXPLODED VIEW -1/1



MECHANICAL PARTS LIST -1/2

! = ⚠ SAFTY 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-DW539 U2
		O	MC1001	8B-CT5-031-010	WINDOW,CASS L RF	a
		O	MC1002	8B-CT5-209-010	BOX,CASS L RF	a
		O	MC1003	8B-CT5-032-010	WINDOW,CASS R RF	a
		O	MC1004	8B-CT5-210-010	BOX,CASS R RF	a
		O	MC1005	8B-CTA-206-010	SPR-T,CASS	a
		O	MC1006	8B-CT5-028-010	WINDOW,DISP U RF	a
		O	MC1007	8B-CT5-001-110	CABI,FR U	a
		O	MC1008	8B-CT5-040-010	BTN,FUNC RF	a
		O	MC1009	8B-CT5-015-010	BTN,CD	a
		O	MC1010	8B-CT5-044-010	BTN,T-BASS RF	a
		O	MC1011	8B-CT5-039-010	BTN,VOL RF	a
		0	MC1012	87-NF8-220-010	DMPR,150	a
		O	MC1013	8Z-CT9-641-010	CONN ASSY,2P PH(CD DOOR)	a
		O	MC1014	8A-CT6-627-010	COVER,1P SMF	a
		X	MC1014a	8A-CDB-628-010	WIRE ASSY,FM-ANT	a
		X	MC1015	8B-CT5-603-010	PWB,MAIN	a
		X	MC1016	8B-CT5-604-010	PWB,FRONT	a
		O	MC1017	8A-CT9-215-010	SPR-P,REC A	a
		0	MC1018	8B-CT5-208-010	SPR-P,REC	a
		O	MC1019	88-CD6-661-010	HLDR,BAR ANT.	a
						CA-DW539 U2
		0	MC1020	86-CT9-205-110	HLDR,REC	a
		X	MC1021	M8-8ZK-390-070	KSM213CDM	a
		O	MC1022	88-CH6-220-010	CUSHION,CD A	a
		O	MC1023	8B-CT5-203-010	HLDR,LED QSUD	a
		O	MC1024	8B-CT5-201-010	HLDR,LCD	a
		O	MC1025	8B-CT5-202-010	HLDR,LED FUNC	a
		O	MC1026	8B-CT5-038-010	KNOB,RTRY MIC RF	a
		X	MC1027	SF-440-387-20H	RUBBER RING (RUBBER)	a
		O	MC1028	8B-CH4-223-010	BASE,CHUCK N	a
		0	MC1029	8C-CHE-220-010	MAGNET,CD F/M	a
		O	MC1030	86-CT9-222-010	PLATE,MAGNET	a
		O	MC1031	86-CD4-225-110	HLDR,CHUCK A	a
		O	MC1032	8B-CT5-035-010	LID,CD RF	a
		O	MC1033	8B-CT5-046-010	CHAS,CD RF	a
		0	MC1034	87-036-389-010	SW,PUSH 1-1-1 R8120125	a
		O	MC1035	8B-CTA-205-010	SPR-T,CD	a
		O	MC1036	8B-CT5-030-010	PANEL,CASS R RF	a
		0	MC1037	87-063-164-010	OIL-DMPR,	a
		O	MC1038	88-CH6-019-110	PANEL,CD	a
		O	MC1039	8A-CK4-659-010	FF-CABLE,16P 1.0 170MM	a
						CA-DW539 U2
		O	MC1040	8B-CT5-036-010	HANDL,ARM RF	a
		O	MC1041	8B-CT5-037-010	HANDL,GRIP RF	a
		O	MC1042	8B-CT5-034-010	LID,BATT RF	a
		O	MC1043	87-A92-048-010	ANT,ROD 5SEC	a
		O	MC1044	8B-CT5-033-010	CABI,REAR RF	a
		O	MC1045	87-A92-285-010	COVER,AC SOCKET COVER PSU27-MC	a
	!	O	MC1046	8B-CT5-620-010	PT,U EI-57	a
		O	MC1047	8B-CT5-029-010	PANEL,CASS L RF	a
		O	MC1048	86-CT9-213-010	SPR-C,BATT(-)	a
		O	MC1049	8B-CT5-207-010	BASE,BTN CD	a
	!	O	MC1050	87-A60-177-010	JACK,AC U BLK W/SW	a
		0	MC1051	8B-CTA-205-010	SPR-T,CD	a
		O	MC1052	8B-CTA-029-010	HLDR,CORD SPKR	a
		O	MC1053	8B-CT5-050-010	CABI,REAR SPKR L RF	a
		O	MC1053	8B-CT5-051-010	CABI,REAR SPKR R RF	a
		O	MC1053a	8B-CTA-209-010	HLDR,SPKR	a
		O	MC1054	8A-CT6-630-010	SPKR,120 2.7OHM RED	a
		O	MC1055	87-B00-010-010	BADGE,AIWA 30.5-5.2 S 2.5L	a
		O	MC1056	8B-CT5-014-010	LENS,Q-SURROUND	a
		O	MC1057	8B-CT5-047-010	LENS,FUNC RF	a
						CA-DW539 U2
		O	MC1058	8B-CT5-041-010	BTN,EQ RF	a
		O	MC1059	8Z-CT6-646-010	CORD ASSY,SPEAKER	a
		X	MC1060	M8-ZZM-29G-170	ZZM-2PR3NC1	a
		X	MC1061	8B-CT5-211-010	CHAS,TU RF	a
		0	MC1062	8B-CT5-601-010	LCD AIW4239-32P2N	a
		X	MC1063	8B-CT5-608-010	PWB,WIER	a
		X	MC1064	8B-CTA-211-010	HT-SINK,5W/CH	a
		X	MC1065	8B-CTA-213-010	PLATE,PT	a
		X	MC1066	8B-CTA-212-010	PLATE,ANT	a
		X	MC1067	8B-CT5-048-010	CABI,FR SPKR RF	a
		X	MC1068	8B-CT5-049-010	GRILLE,SPKR RF	a
		X	MC1069	8B-CTA-214-010	CUSH,FOOT 12-8-2	a
		X	MC1070	8B-CT5-605-010	PWB,CD	a
		X	MC1071	8B-CT5-606-010	PWB,POWER	a
		X	MC1072	8B-CT5-607-010	PWB,JACK	a
		O	MC1073	8B-CT5-042-010	KEY,CASS L RF	a
		O	MC1074	8B-CT5-212-010	HLDR,KEY CASS L RF	a
		O	MC1075	8B-CT5-043-010	KEY,CASS R RF	a
		O	MC1076	8B-CT5-213-010	HLDR,KEY CASS R RF	a
		0	MC1A	87-067-581-010	BVT2+3-15 W/O SLOT	a

MECHANICAL PARTS LIST -2/2

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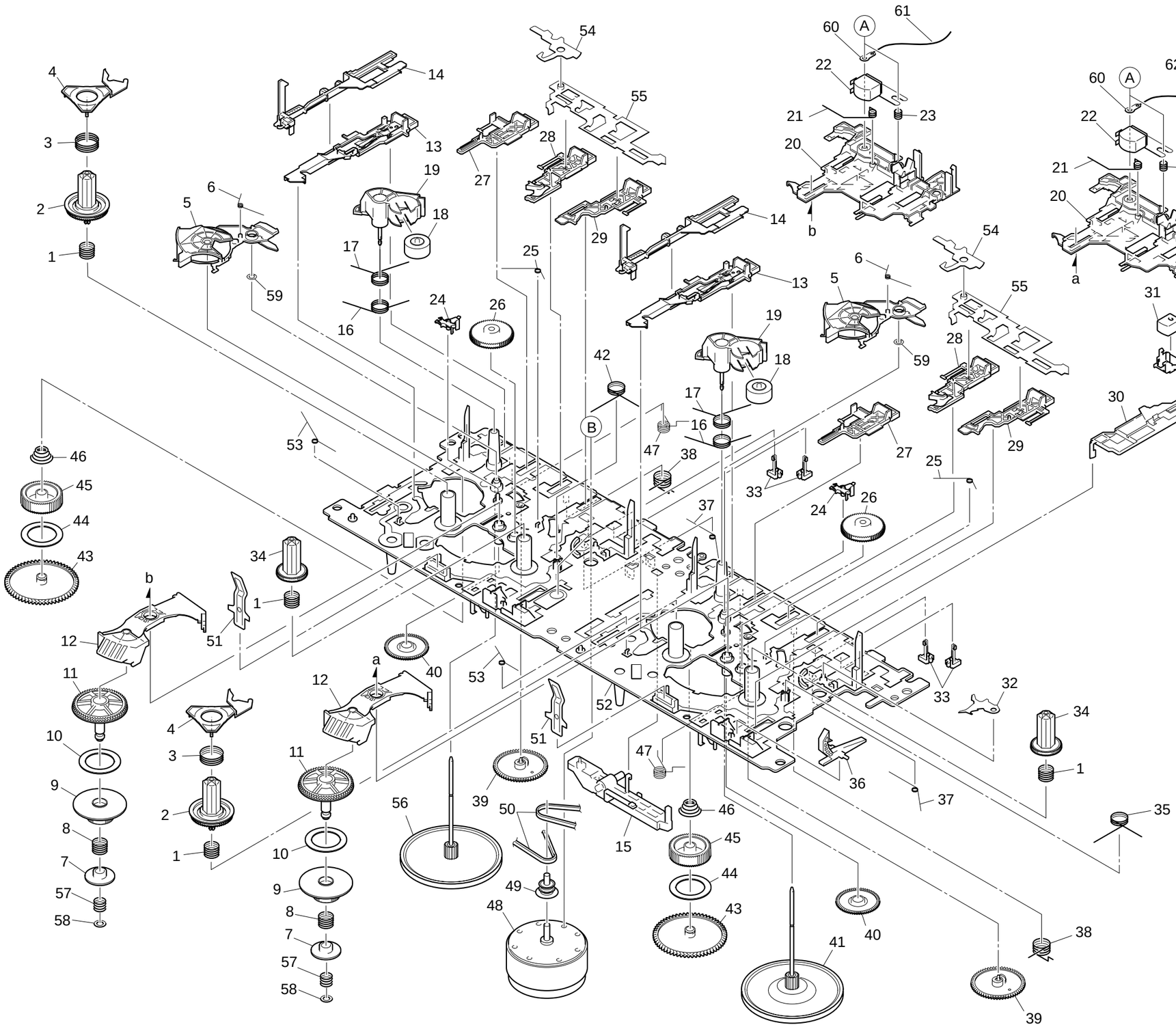
UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CA-DW539 U2
		0	MC1B	87-761-096-410	VFT2+3-10 W/O SLOT	a
		0	MC1C	87-067-758-010	BVT2+3-12 W/O SLOT	a
		0	MC1D	8A-CK4-223-010	S-SCREW,CD	a
		0	MC1E	87-751-096-410	VT2+3-10 W/O SLOT	a
		0	MC1F	87-741-096-410	UT2+3-10 W/O SLOT	a
		0	MC1G	87-751-104-410	VT2+3-30 W/O SLOT	a
		0	MC1H	87-B10-269-010	UT2+3-12 W/O CR	a
		0	MC1I	87-352-075-210	VF2+2.6-10	a
		0	MC1J	87-721-095-410	QT2+3-8 W/O SLOT	a
		0	MC1K	87-067-660-010	BVT2+3-8 W/O SLOT BLK	a
		0	MC1L	8A-CDA-222-010	S-SCREW,CASS+2.6-4	a
		0	MC1M	87-751-095-410	VT2+3-8 W/O SL0T	a
		O	MC1N	87-254-097-410	U+3-12 CR	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 EXPLODED VIEW-1/1 (ZZM-2 PR3NC1)



TAPE MECHANISM PARTS LIST -1/1 (ZZM-2 PR3NC1)

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						ZZM-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 ZZM-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
						ZZM-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 ZZM-2	a
		O	ST1027	8Z-ZM2-212-110	LEVER,STOP ZZM-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 ZZM-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
						ZZM-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,ZZM-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,ZZM-2	a
		X	ST1052a	8Z-ZM2-202-810	CHAS ASSY,OUT-SERT ZZM-2	a
		X	ST1052b	8Z-ZM2-203-310	CHAS,ZZM-2	a
		X	ST1052c	8Z-ZM1-268-010	BRG,METAL	a
		O	ST1053	8Z-ZM1-255-410	SPR-T,E-LOCK	a
						ZZM-2 PR3NC1
		O	ST1054	8Z-ZM2-219-110	LEVER,E-OPEN ZZM-2	a
		O	ST1055	8Z-ZM1-214-410	LEVER,LOCK	a
		O	ST1056	8Z-ZM2-230-010	FLY-WHL ASSY,ZZM-2	a
		X	ST1056a	8Z-ZM2-211-310	FLY-WHL,ZZM-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 ZZM-2	a

TAPE MECHANISM OTHER PARTS LIST -1/1 (ZZM-2 PR3NC1)

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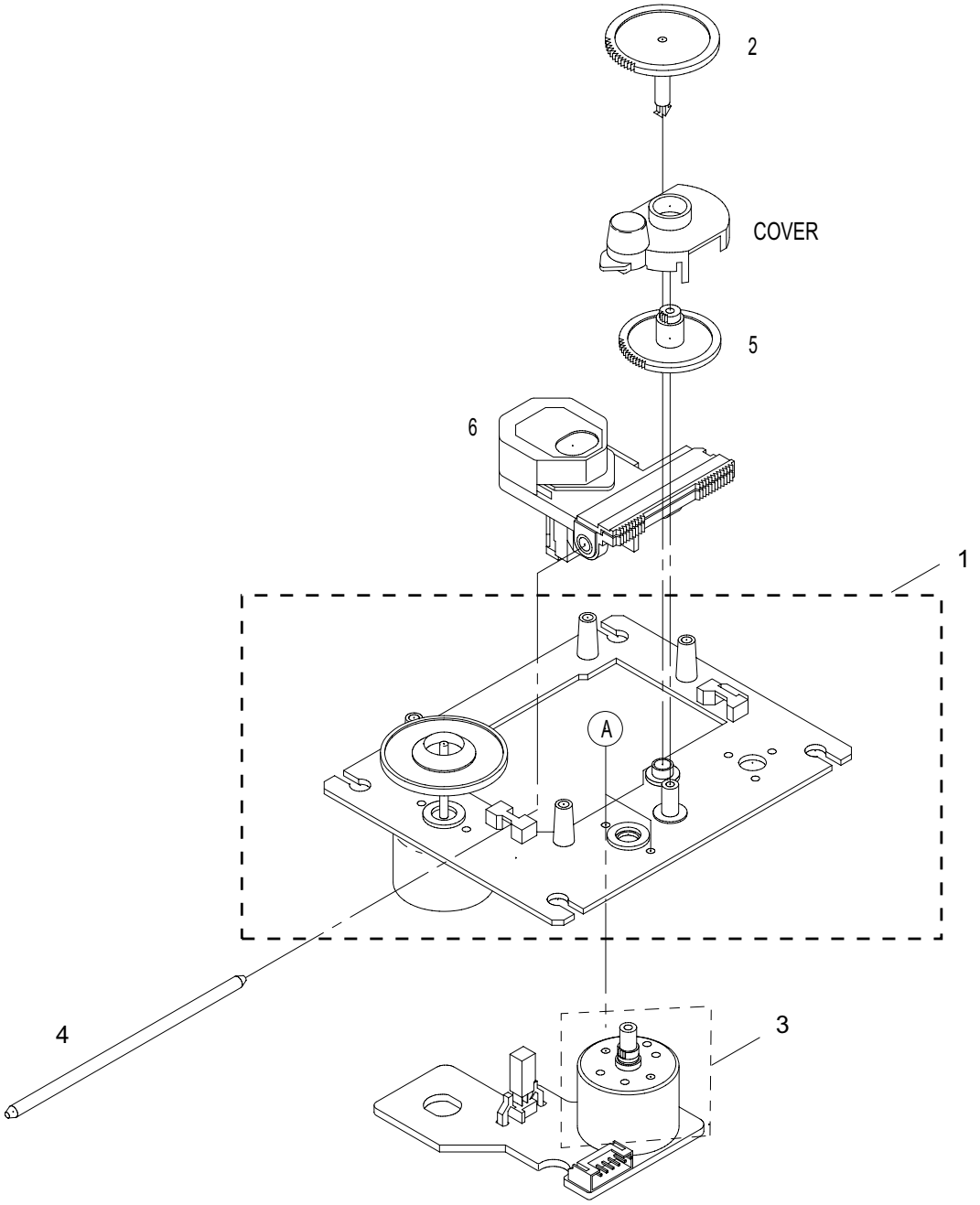
UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						ZZM-2 PR3NC1
		X		82-ZM3-987-010	BAG,PV 0.04-300-210	a

CD MECHANISM EXPLODED VIEW -1/1 (KSM213CDM)



CD MECHANISM PARTS LIST -1/1 (KSM213CDM)

! = ⚠ SAFTY 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
		O	SC1001	9X-262-620-210	MOTOR CHASSIS ASSY(MB)	a
		O	SC1002	92-626-907-010	GEAR(A)(S)	a
		O	SC1003	9X-262-576-910	MOTOR GEAR ASSY	a
		O	SC1004	92-626-908-010	SLED SHAFT	a
		O	SC1005	92-627-003-020	GEAR(B)(RP)	a
		O	SC1006	87-A90-468-010	PICK UP KSS-213C	a
		O	SC1A	97-621-255-150	SCREW,+P2-3	a

OTHER PARTS LIST -1/1

! = ⚠ SAFTY 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-DW539 U2
		X		87-B50-054-010	WARR-CARD,USA CUST/PORTABLE	a
		X		87-B40-090-010	BAG,PV 0.04-400-500 PL	a
		X		93-704-336-010	SH,FOAMED-MAT 0.31-750-250	a
		X		88-CD5-608-010	SHLD-PLATE,PT BTM	a
		X		87-033-220-010	PIN DIA1 COATING	a
		X		87-051-183-010	BAG,PV 0.03-120-280	a
		X		87-B40-095-010	BAG,PV 0.04-500-550 PL	a
		X		8B-CT5-854-010	CTN,PRINTED USC	a
		X		8B-CT5-852-010	CUSHION,BOTTOM C	a
		X		8B-CT5-853-010	CUSHION,TOP C	a
		X		94-875-574-010	SH,FOAMED-MAT 0.31-650-450	a
		X		87-B40-085-010	BAG,PV 0.04-200-350 PL	a
		X		8Z-HC4-209-010	TAG,SENSOR AM	a
		X		SF-440-367-40X	LABEL SPKR 2.7 OHM (PAPER)	a
		X		SF-440-111-10J	ROUND LABEL(PAPER)	a
		X		SF-440-370-20S	SPONGE (25)	a
		X		87-064-080-010	BINDER,WIRE	a
		X		8B-CT5-976-010	LBL,POP U2L	a
		X		8B-CT5-977-010	LBL,POP U2R	a
		X		84-711-909-010	LBL DATE CODE	a
						CA-DW539 U2
		X		87-B40-282-010	LBL,BAR-CODE AU 35X8	a
		X		8B-CT5-045-010	LBL,SPEC U2 RF	a
		X		SF-440-109-00S	SPONGE 15*7*5	a
		X		8Z-CT9-646-010	WIRE ASSY,2P UL2468	a

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