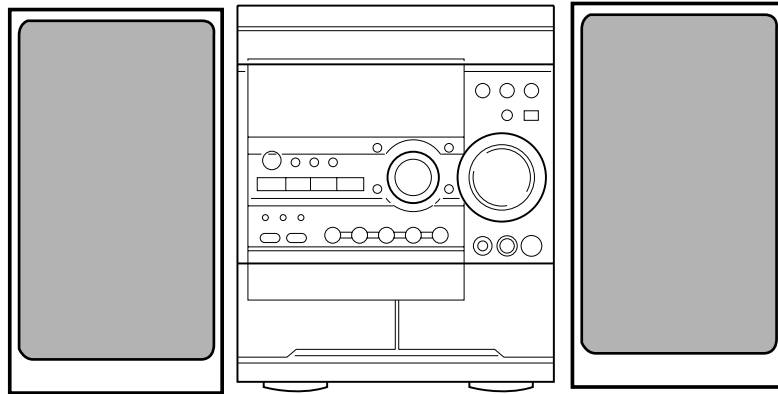


NSX-RV15

HR(S), HRJ(S)
HT(S)



SERVICE MANUAL

CD STEREO SYSTEM

BASIC TAPE MECHANISM : CMAT6Z2(1+1)ALPS

BASIC CD MECHANISM : BZG-2 MVSD5GNM HR(S)

BASIC CD MECHANISM : BZG-2 MVSD5GNC2 HT(S)

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX-RV15 HR	CX-SNRV15	SX-SNR10	RC-CAS13(VS)
NSX-RV15 HRJ	CX-SNRV15	SX-SNR11	
NSX-RV15 HT	CX-SNRV15	SX-SNR10	

This Service Manual is the "Revision Publishing" and replaces "Simple Manual" NSX-RV15 (HR) (S/MCode 09-024-360-1T1).

If requiring information about the CD mechanism, see Service Manual of BZG-2 (S/M Code No. 09-023-353-2NC).

Note: The model HRJ(S) is the same as the model HR(S). The only difference is that the speaker is different.

aiwa

S/M Code No. 09-024-360-1R1

REVISION

DATA

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MAIN UNIT CX-NRV15

TUNER

FM tuning range	87.5 MHz to 108 MHz
FM usable sensitivity (IHF)	13.2 dBf
FM antenna terminals	75 ohms (unbalanced)
AM tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
AM usable sensitivity	350 µV/m
AM antenna	Loop antenna

AMPLIFIER

Power output	Rated: 17 W + 17 W (6 ohms, T.H.D. 1 %, 1 kHz) Reference: 20 W + 20 W (6 ohms, T.H.D. 10 %, 1 kHz)
Total harmonic distortion	0.08 % (10 W, 1 kHz, 6 ohms, DIN AUDIO)
Inputs	VIDEO/AUX: 500 mV MIC: 1.0 mV (10 K ohms)
Outputs	SPEAKERS: 6 ohms or more VIDEO OUT: 1.0 Vp-p (75 ohms) PHONES: 32 ohms or more

CASSETTE DECK

Track format	4 tracks, 2 channels stereo
Frequency response	50 Hz - 15 kHz
Recording system	AC bias
Heads	DECK 1: playback x 1 DECK 2: recording/playback x 1, erase x 1

DISC PLAYER

Laser	Semiconductor laser ($\lambda = 780 \text{ nm}$)
D/A converter	1 bit dual
Signal-to-noise ratio	90 dB (1 kHz, 0 dB)
Harmonic distortion	0.05 % (1 kHz, 0 dB)
Video signal	NTSC/PAL color system (selectable)
Video data	MPEG 1
Audio data	MPEG 1, Layer 2 (VCD) MPEG 1, Layer 3 (MP3-CD)

GENERAL

Power requirements	220 V/230 - 240 V AC (Switchable), 50 Hz/60 Hz
Power consumption	76 W
Dimensions (W x H x D)	260 x 324 x 315 mm
Weight	5.2 kg

FRONT SPEAKERS SX-NR10

Speaker system	1 way, bass reflex (magnetic shielded)
Speaker unit	Full range: 100 mm cone
Impedance	6 ohms
Dimensions (W x H x D)	210 x 324 x 202 mm
Weight	2.8 kg

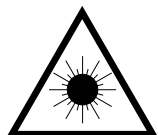
- Design and specifications are subject to change without notice.

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 PICK-UP BLOCK.



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

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylit-tävälle 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

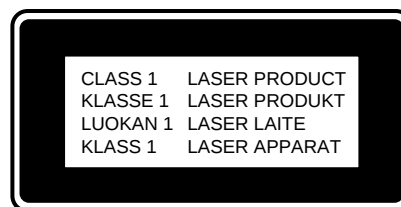
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

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

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

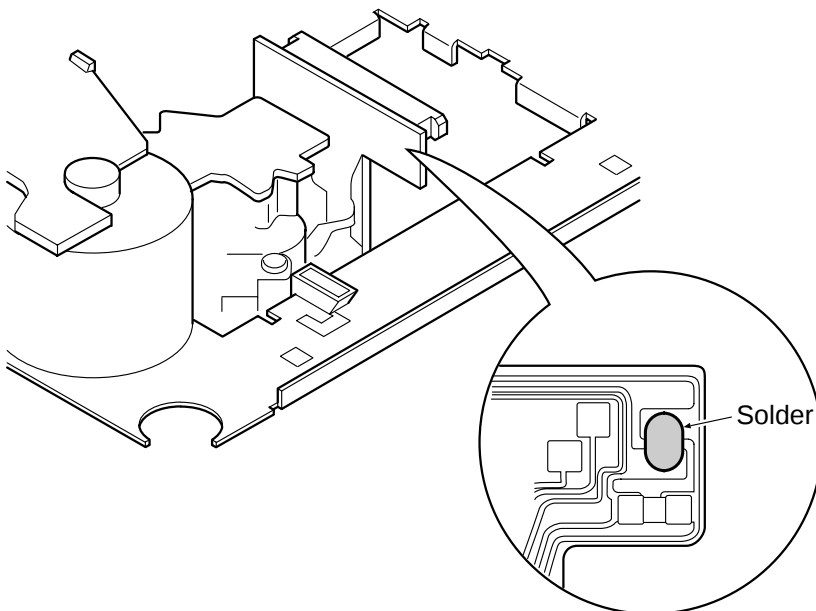
The CLASS 1 LASER PRODUCT label is located on the rear exterior.



Precaution to replace Optical block (BZG-2) (KSM-213RSCM)

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.



NOTE ON BEFORE STARTING REPAIR -1/2

1. Forced discharge of electrolytic capacitor of power supply block

When repair is going to be attempted in the set that uses relay circuit in the power supply block, electric potential is kept charged across the electrolytic capacitors (C101, 102) even though AC power cord is removed. If repair is attempted in this condition, secondary defect can occur.

In order to prevent the secondary trouble, perform the following measures before starting repair work.

Discharge procedure

- ① Remove the AC power cord.
- ② Connect a discharging resistor at an end of lead wire that has clips at both ends. Connect the other end of the lead wire to metal chassis.
- ③ Contact the other end of the discharging resistor to the positive (+) side (+VH) of C101. (For two seconds)
- ④ Contact the same end of the discharging resistor as step ③ to the negative (-) side (-VH) of C102 in the same way. (For two seconds)
- ⑤ Check that voltage across C101 and C102 has decreased to 1 V or less using a multimeter or an oscilloscope.

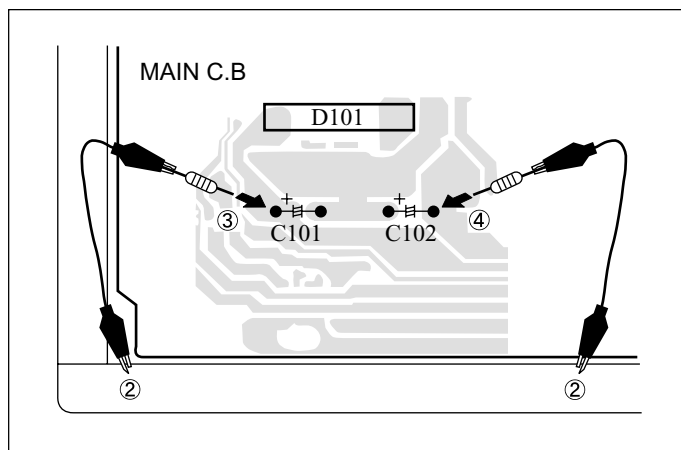


Fig-1

Select a discharging resistor referring to the following table.

Charging voltage (V) (C101, 102)	Discharging resistor (Ω)	Rated power (W)	Parts number
25-48	100	3	87-A00-247-090
49-140	220	5	87-A00-232-090

Note: The reference numbers (C101, C102) of the electrolytic capacitors can change depending on the models. Be sure to check the reference numbers of the charging capacitors on schematic diagram before starting the discharging work.

2. Check items before exchanging the MICROCOMPUTER

Be sure to check the following items before exchanging the MICROCOMPUTER. Exchange the MICROCOMPUTER after confirming that the MICROCOMPUTER is surely defective.

2-1. Regarding the HOLD terminal of the MICROCOMPUTER

When the HOLD terminal (INPUT) of the MICROCOMPUTER is H, the MICROCOMPUTER is judged to be operating correctly. When this terminal is L, the main power cannot be turned on. Therefore, be sure to check the terminal voltage of the HOLD terminal before exchange.

When the MICROCOMPUTER is not defective, the HOLD terminal can also go L when the POWER AMPLIFIER has any abnormalities that triggers the abnormality detection circuit on the MAIN C. B. that sets the HOLD terminal to L.

Good or no good judgement of the MICROCOMPUTER

- ① Turn on the AC main power.
- ② Confirm that the main power is turned on and the HOLD terminal of the MICROCOMPUTER keeps the H level or not.
- ③ When the HOLD terminal is L level, the abnormality detection circuit is judged to be working correctly and the MICROCOMPUTER is judged to be good.

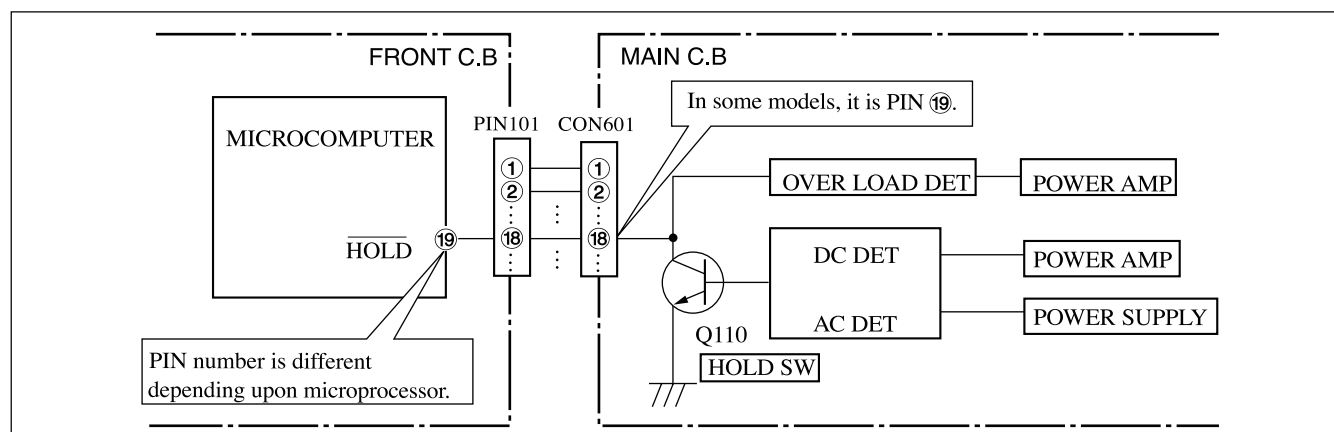


Fig-2-1

NOTE ON BEFORE STARTING REPAIR -2/2

In such a case, check also if the POWER AMPLIFIER circuit or power supply circuit has any abnormalities or not.

2-2. Regarding reset

There are cases that the machine does not work correctly because the MICROCOMPUTER is not reset even though the AC power cord is re-inserted, or the software reset (pressing the STOP key + POWER key) is performed.

When the above described phenomenon occurs, it can lead to wrong judgement as if the MICROCOMPUTER is defective and to exchange the MICROCOMPUTER. In such a case, perform the forced-reset by the following procedure and check good or no good of the MICROCOMPUTER.

- ① Remove the AC power cord.

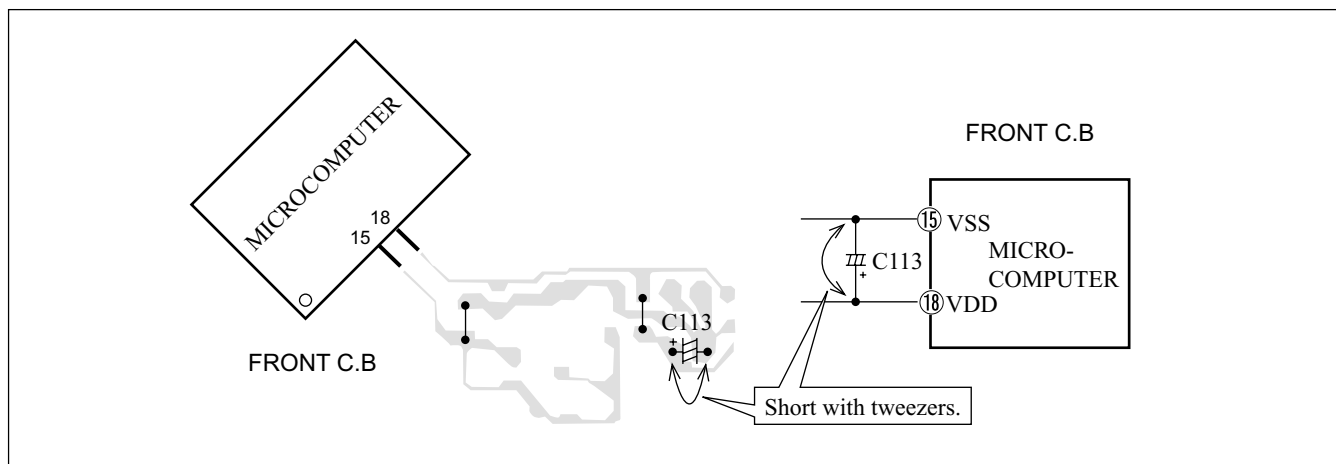


Fig-2-2

- ② Short both ends of the electrolytic capacitor C113 that is connected to VDD of the MICROCOMPUTER with tweezers.
- ③ Connect the AC power cord again. If the MICROCOMPUTER returns to the normal operation, the MICROCOMPUTER is good.

Note: The reference number or MICROCOMPUTER pin number of transistor (Q110) and electrolytic capacitor (C113) can change depending on the models. Be sure to check the reference numbers on schematic diagram before starting the discharging work.

2-3. Confirmation of soldering state of MICROCOMPUTER

Check the soldering state of the MICROCOMPUTER in addition to the above described procedures. Be sure to exchange the MICROCOMPUTER after surely confirming that the trouble is not caused by poor soldering but the MICROCOMPUTER itself.

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	
					CX-SNRV15 HRSM	CX-SNRV15 HTSC1
		0	AS1001	87-006-225-010 ANT, LOOP ANT NC2	a	b
		0	AS1002	87-A80-167-010 CORD, PIN 1PY 150CM	a	b
		0	AS1003	87-A90-173-010 F-BEAD, 9-20-21 ZCAT2017-0930-M	a	b
		X	AS1004	87-A90-230-010 CABLE TIE, CV100(N)	a	b
	!	0	AS1005	87-A91-017-010 PLUG, CONVERSION JT-0476	a	b
		0	AS1006	87-A92-345-010 ANT, WIRE FM(SEMI-ST)	a	b
		0	AS1007	8C-NH8-702-010 RC UNIT, RC-CAS13(VS)	a	b
		X	AS1008	87-B50-079-010 LIST, FACILITY(B)-0007	a	b
		X	AS1009	87-B50-112-010 WARR-CARD, TAIWAN-0203	.	b
		0	AS1010	8C-NHA-911-010 IB, HR(ECAIT)M NSX-RV15	a	.
		0	AS1010	8C-NHA-921-010 IB, HT(EC)BF NSX-RV15	.	b

ELECTRICAL PARTS LIST -1/16

! = ⚠ SAFTY PARTS

C = Components marked

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UNIT-NAME		! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
FRONT C.B		O C	0108	87-010-785-080	C-CAP,U 0.015-25 K B GRM	a	b
FRONT C.B		O C	0153	87-010-787-080	C-CAP,U 0.022-25 K B GRM	a	b
FRONT C.B		O C	0154	87-A12-078-040	CAP,E 47-35 SMG	a	.
FRONT C.B		O C	0154	87-010-246-040	CAP,E 47-35 M 11L SME	.	b
FRONT C.B		O C	0155	87-A12-090-040	CAP,E 4.7-50 SMG	a	.
FRONT C.B		O C	0155	87-010-404-040	CAP,E 4.7-50 M 11L SME	.	b
FRONT C.B		O C	0156	87-A12-090-040	CAP,E 4.7-50 SMG	a	.
FRONT C.B		O C	0156	87-010-404-040	CAP,E 4.7-50 M 11L SME	.	b
FRONT C.B		O C	0301	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a	b
FRONT C.B		O C	0351	87-A10-353-080	C-CAP,U 0.22-10 K B	a	b
FRONT C.B		O C	0361	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b
FRONT C.B		O C	0362	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b
FRONT C.B		O C	0371	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b
FRONT C.B		O C	0372	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b
FRONT C.B		X C	0451	88-108-000-080	C-JUMPER,U	a	b
FRONT C.B		O C	0601	87-A12-069-040	CAP,E 22-25 SMG	a	.
FRONT C.B		O C	0601	87-010-382-040	CAP,E 22-25 M 11L SME	.	b
FRONT C.B		O C	0801	87-A11-058-080	C-CAP,U 0.22-10 K B	a	.
FRONT C.B		O C	0801	87-A10-353-080	C-CAP,U 0.22-10 K B	.	b
FRONT C.B		O C	0803	87-012-280-080	C-CAP,U 3300P-50 K B GRM	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
FRONT C.B		O C	0804	87-016-116-080	C-CAP,U 0.015-25 J B CB	a	.
FRONT C.B		O C	0804	87-A10-592-080	C-CAP,S 0.015-50 J B	.	b
FRONT C.B		O C	0806	87-012-273-080	C-CAP,U 820P-50 K B GRM	a	b
FRONT C.B		O C	0808	87-A12-083-040	CAP,E 0.1-50 SMG	a	.
FRONT C.B		O C	0808	87-010-544-040	CAP,E 0.1-50 M 11L SME	.	b
FRONT C.B		O C	0809	87-A12-090-040	CAP,E 4.7-50 SMG	a	.
FRONT C.B		O C	0809	87-010-404-040	CAP,E 4.7-50 M 11L SME	.	b
FRONT C.B		O C	0810	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
FRONT C.B		O C	0811	87-A12-052-080	C-CAP,S 0.033-25 J B	a	b
FRONT C.B		O C	0812	87-012-285-080	C-CAP,U 8200P-50 K B GRM	a	b
FRONT C.B		O C	0901	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT C.B		O C	0902	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT C.B		O C	0903	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT C.B		O C	0904	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT C.B		O C	0905	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT C.B		O C	0906	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT C.B		O C	0907	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT C.B		O C	0908	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT C.B		O C	0909	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT C.B		O C	0910	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
FRONT C.B		O C	0911	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b
FRONT C.B		O C	0912	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
FRONT C.B		O C	0913	87-A10-189-040	CAP,E 220-10 M 5L	a	b
FRONT C.B		O C	0915	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
FRONT C.B		O C	0916	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
FRONT C.B		O C	0917	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
FRONT C.B		O C	0919	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
FRONT C.B		O C	0920	87-010-829-080	C-CAP,U 0.047-16 Z F CM/CB	a	b
FRONT C.B		O C	0921	87-012-282-080	C-CAP,U 4700P-50 K B GRM	a	b
FRONT C.B		O C	0922	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT C.B		O C	0923	87-016-116-080	C-CAP,U 0.015-25 J B CB	a	b
FRONT C.B		O C	0924	87-016-116-080	C-CAP,U 0.015-25 J B CB	a	b
FRONT C.B		O C	0925	87-016-116-080	C-CAP,U 0.015-25 J B CB	a	b
FRONT C.B		O C	0931	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT C.B		O C	0932	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
FRONT C.B		O C	0951	87-012-172-080	C-CAP,U 10P-50 D CH GRM	a	b
FRONT C.B		O C	0952	87-010-854-080	C-CAP,S 560P-50 J CH CMC	a	b
FRONT C.B		O C	0953	87-012-349-080	C-CAP,S 1000P-50 J CH GRM	a	b
FRONT C.B		O C	0961	87-A12-075-040	CAP,E 10-35 SMG	a	.
FRONT C.B		O C	0961	87-010-391-040	CAP,E 10-35 M 11L SME	.	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
FRONT C.B		O C	0962	87-012-336-080	C-CAP,U 330P-50 J SL GRM	a	b
FRONT C.B		O C	0963	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
FRONT C.B		O CN	0103	87-099-013-010	CONN,11P V BLK 6216	a	b
FRONT C.B		O CN	0701	87-099-720-010	CONN,30P BLK TYK-B(P)	a	b
FRONT C.B		O CN	0731	87-099-196-010	CONN,8P V BLK 6216	a	b
FRONT C.B		S D	0103	87-020-465-080	DIODE,1SS133	a	.
FRONT C.B		S D	0103	87-A40-291-080	DIODE,1N4148M (CPT)	.	b
FRONT C.B		S D	0104	87-020-465-080	DIODE,1SS133	a	.
FRONT C.B		S D	0104	87-A40-291-080	DIODE,1N4148M (CPT)	.	b
FRONT C.B		S D	0301	87-A40-234-080	ZENER,MTZJ5.6A	a	b
FRONT C.B		S D	0302	87-020-465-080	DIODE,1SS133	a	.
FRONT C.B		S D	0302	87-A40-291-080	DIODE,1N4148M (CPT)	.	b
FRONT C.B		S D	0601	87-A40-269-080	C-DIODE,MC2836	a	b
FRONT C.B		S D	0801	87-020-465-080	DIODE,1SS133	a	.
FRONT C.B		S D	0801	87-A40-291-080	DIODE,1N4148M (CPT)	.	b
FRONT C.B		S D	0991	87-020-465-080	DIODE,1SS133	a	.
FRONT C.B		S D	0991	87-A40-291-080	DIODE,1N4148M (CPT)	.	b
FRONT C.B		O FL	0201	8C-NF9-615-010	FL,HUA-13SS09T	.	b
FRONT C.B		S IC	0901	8C-NH9-610-030	C-IC,UPD780228GF-091-3BA	a	b
FRONT C.B		S IC	0961	87-A21-831-010	IC,SPS-442-1-F1	a	b

ELECTRICAL PARTS LIST -2/16

! = ⚠ SAFTY PARTS

C = Components marked

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UNIT-NAME		! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
FRONT	C.B	X	JR 0101	88-108-000-080	C- JUMPER, U	a	b
FRONT	C.B	X	JR 0621	88-108-000-080	C- JUMPER, U	a	b
FRONT	C.B	X	JR 0901	88-108-000-080	C- JUMPER, U	a	b
FRONT	C.B	X	JR 0902	88-108-000-080	C- JUMPER, U	a	b
FRONT	C.B	X	JR 0903	88-108-000-080	C- JUMPER, U	a	b
FRONT	C.B	X	JR 0904	88-108-000-080	C- JUMPER, U	a	b
FRONT	C.B	X	JR 0905	88-108-000-080	C- JUMPER, U	a	b
FRONT	C.B	X	JR 0965	88-108-000-080	C- JUMPER, U	a	b
FRONT	C.B	X	JW 0903	88-121-102-080	RES, 1K-1/8W J	a	b
FRONT	C.B	O	L 0951	87-A50-655-010	COIL, CLK 4.19MHZ (TOKO) 7KLY	a	b
FRONT	C.B	S	Q 0102	87-A30-076-080	C- TR, 2SC3052F	a	b
FRONT	C.B	S	Q 0104	87-A30-538-040	C- TR, SRA2202S	a	b
FRONT	C.B	S	Q 0301	87-A30-494-080	TR, 2SA1980G	a	b
FRONT	C.B	S	Q 0302	87-A30-076-080	C- TR, 2SC3052F	a	b
FRONT	C.B	S	Q 0303	87-A30-076-080	C- TR, 2SC3052F	a	b
FRONT	C.B	S	Q 0451	87-A30-076-080	C- TR, 2SC3052F	a	b
FRONT	C.B	S	Q 0601	87-A30-495-080	TR, 2SA1981Y	a	b
FRONT	C.B	S	Q 0602	87-A30-495-080	TR, 2SA1981Y	a	b
FRONT	C.B	S	Q 0603	87-A30-200-080	TR, 2SA1585SR	a	b
FRONT	C.B	S	Q 0801	87-A30-076-080	C- TR, 2SC3052F	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
FRONT	C.B	S	Q 0802	87-A30-075-080	C- TR, 2SA1235F	a	b
FRONT	C.B	S	Q 0803	87-A30-076-080	C- TR, 2SC3052F	a	b
FRONT	C.B	S	Q 0804	87-A30-076-080	C- TR, 2SC3052F	a	b
FRONT	C.B	S	Q 0805	87-A30-076-080	C- TR, 2SC3052F	a	b
FRONT	C.B	S	Q 0901	87-A30-538-040	C- TR, SRA2202S	a	b
FRONT	C.B	O	R 0109	88-108-224-080	C- RES, U 220K-1/16W J	a	b
FRONT	C.B	O	R 0110	88-108-153-080	C- RES, U 15K-1/16W J	a	b
FRONT	C.B	X	R 0111	88-108-333-080	C- RES, U 33K-1/16W J	a	b
FRONT	C.B	O	R 0112	88-108-224-080	C- RES, U 220K-1/16W J	a	b
FRONT	C.B	O	R 0114	88-108-103-080	C- RES, U 10K-1/16W J	a	b
FRONT	C.B	X	R 0115	88-108-183-080	C- RES, U 18K-1/16W J	a	b
FRONT	C.B	X	R 0116	88-108-124-080	C- RES, U 120K-1/16W J	a	b
FRONT	C.B	X	R 0151	88-100-000-010	PLATING- JW, 0.58 SN95	a	b
FRONT	C.B	X	R 0152	88-100-000-010	PLATING- JW, 0.58 SN95	a	b
FRONT	C.B	X	R 0153	88-128-821-080	C- RES, 820-1/8W J	a	b
FRONT	C.B	X	R 0154	88-128-821-080	C- RES, 820-1/8W J	a	b
FRONT	C.B	O	R 0155	88-108-332-080	C- RES, U 3.3K-1/16W J	a	b
FRONT	C.B	O	R 0156	88-108-332-080	C- RES, U 3.3K-1/16W J	a	b
FRONT	C.B	X	R 0161	88-108-000-080	C- JUMPER, U	a	b
FRONT	C.B	X	R 0162	88-108-000-080	C- JUMPER, U	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
FRONT	C.B	X	R 0163	88-108-000-080	C- JUMPER, U	a	b
FRONT	C.B	X	R 0164	88-108-000-080	C- JUMPER, U	a	b
FRONT	C.B	X	R 0165	88-108-000-080	C- JUMPER, U	a	b
FRONT	C.B	X	R 0166	88-108-000-080	C- JUMPER, U	a	b
FRONT	C.B	X	R 0301	88-108-104-080	C- RES, U 100K-1/16W J	a	b
FRONT	C.B	X	R 0302	88-108-472-080	C- RES, U 4.7K-1/16W J	a	b
FRONT	C.B	O	R 0303	88-108-153-080	C- RES, U 15K-1/16W J	a	b
FRONT	C.B	O	R 0304	88-108-102-080	C- RES, U 1K-1/16W J	a	b
FRONT	C.B	X	R 0306	88-108-471-080	C- RES, U 470-1/16W J	a	b
FRONT	C.B	O	R 0321	88-108-103-080	C- RES, U 10K-1/16W J	a	b
FRONT	C.B	O	R 0322	88-108-102-080	C- RES, U 1K-1/16W J	a	b
FRONT	C.B	X	R 0323	88-108-821-080	C- RES, U 820-1/16W J	a	b
FRONT	C.B	O	R 0324	88-108-102-080	C- RES, U 1K-1/16W J	a	b
FRONT	C.B	X	R 0325	88-108-122-080	C- RES, U 1.2K-1/16W J	a	b
FRONT	C.B	X	R 0326	88-121-122-080	RES, 1.2K-1/8W J	a	b
FRONT	C.B	X	R 0327	88-108-182-080	C- RES, U 1.8K-1/16W J	a	b
FRONT	C.B	X	R 0328	88-121-182-080	RES, 1.8K-1/8W J	a	b
FRONT	C.B	O	R 0329	88-108-272-080	C- RES, U 2.7K-1/16W J	a	b
FRONT	C.B	O	R 0330	88-108-332-080	C- RES, U 3.3K-1/16W J	a	b
FRONT	C.B	X	R 0331	88-121-472-080	RES, 4.7K-1/8W J	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
FRONT	C.B	X	R 0332	88-108-682-080	C- RES, U 6.8K-1/16W J	a	b
FRONT	C.B	O	R 0333	88-108-103-080	C- RES, U 10K-1/16W J	a	b
FRONT	C.B	X	R 0334	88-108-183-080	C- RES, U 18K-1/16W J	a	b
FRONT	C.B	O	R 0335	88-108-473-080	C- RES, U 47K-1/16W J	a	b
FRONT	C.B	O	R 0341	88-108-103-080	C- RES, U 10K-1/16W J	a	b
FRONT	C.B	O	R 0342	88-108-102-080	C- RES, U 1K-1/16W J	a	b
FRONT	C.B	X	R 0343	88-108-821-080	C- RES, U 820-1/16W J	a	b
FRONT	C.B	O	R 0344	88-108-102-080	C- RES, U 1K-1/16W J	a	b
FRONT	C.B	X	R 0345	88-108-122-080	C- RES, U 1.2K-1/16W J	a	b
FRONT	C.B	X	R 0346	88-108-122-080	C- RES, U 1.2K-1/16W J	a	b
FRONT	C.B	X	R 0347	88-108-182-080	C- RES, U 1.8K-1/16W J	a	b
FRONT	C.B	X	R 0348	88-108-182-080	C- RES, U 1.8K-1/16W J	a	b
FRONT	C.B	O	R 0349	88-108-272-080	C- RES, U 2.7K-1/16W J	a	b
FRONT	C.B	O	R 0350	88-108-332-080	C- RES, U 3.3K-1/16W J	a	b
FRONT	C.B	X	R 0351	88-108-472-080	C- RES, U 4.7K-1/16W J	a	b
FRONT	C.B	X	R 0352	88-121-682-080	RES, 6.8K-1/8W J	a	b
FRONT	C.B	O	R 0361	88-108-103-080	C- RES, U 10K-1/16W J	a	b
FRONT	C.B	O	R 0362	88-108-103-080	C- RES, U 10K-1/16W J	a	b
FRONT	C.B	X	R 0363	88-108-100-080	C- RES, U 10-1/16W J	a	b
FRONT	C.B	X	R 0364	88-108-100-080	C- RES, U 10-1/16W J	a	b

ELECTRICAL PARTS LIST -3/16

! =  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.

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UNIT-NAME		! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
FRONT	C.B		O R	0371	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT	C.B		O R	0372	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT	C.B		X R	0373	88-108-100-080	C-RES,U 10-1/16W J	a
FRONT	C.B		X R	0374	88-108-100-080	C-RES,U 10-1/16W J	a
FRONT	C.B		O R	0451	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT	C.B		X R	0452	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	C.B		X R	0453	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	C.B		X R	0454	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	C.B		O R	0601	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT	C.B		X R	0602	88-108-222-080	C-RES,U 2.2K-1/16W J	a
FRONT	C.B		O R	0603	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT	C.B		X R	0604	88-108-222-080	C-RES,U 2.2K-1/16W J	a
FRONT	C.B		O R	0605	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT	C.B		O R	0606	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	C.B		X R	0607	88-108-000-080	C- JUMPER,U	a
FRONT	C.B		O R	0611	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	C.B		O R	0612	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	C.B		O R	0613	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	C.B		O R	0614	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	C.B		O R	0615	88-108-473-080	C-RES,U 47K-1/16W J	a
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
FRONT	C.B		O R	0617	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	C.B		O R	0618	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	C.B		O R	0704	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	C.B		O R	0705	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	C.B		O R	0706	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	C.B		O R	0707	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	C.B		X R	0708	88-121-102-080	RES,1K-1/8W J	a
FRONT	C.B		O R	0709	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT	C.B		X R	0710	88-128-101-080	C-RES, 100-1/8W J	a
FRONT	C.B		O R	0711	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT	C.B		O R	0712	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT	C.B		O R	0713	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT	C.B		X R	0719	88-108-100-080	C-RES,U 10-1/16W J	a
FRONT	C.B		O R	0720	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT	C.B		O R	0721	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT	C.B		O R	0730	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	C.B		O R	0732	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT	C.B		O R	0733	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT	C.B		O R	0734	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	C.B		O R	0735	88-108-102-080	C-RES,U 1K-1/16W J	a
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
FRONT	C.B		O R	0740	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	C.B		O R	0741	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	C.B		O R	0742	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	C.B		X R	0743	88-108-474-080	C-RES,U 470K-1/16W J	a
FRONT	C.B		O R	0744	88-108-823-080	C-RES,U 82K-1/16W J	a
FRONT	C.B		X R	0745	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	C.B		X R	0749	88-108-474-080	C-RES,U 470K-1/16W J	a
FRONT	C.B		O R	0803	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	C.B		O R	0804	88-108-224-080	C-RES,U 220K-1/16W J	a
FRONT	C.B		X R	0805	88-108-273-080	C-RES,U 27K-1/16W J	a
FRONT	C.B		O R	0806	88-108-562-080	C-RES,U 5.6K-1/16W J	a
FRONT	C.B		X R	0807	88-108-000-080	C- JUMPER,U	a
FRONT	C.B		X R	0808	88-121-101-080	RES,100-1/8W J	a
FRONT	C.B		O R	0809	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT	C.B		X R	0810	88-108-182-080	C-RES,U 1.8K-1/16W J	a
FRONT	C.B		O R	0811	88-108-224-080	C-RES,U 220K-1/16W J	a
FRONT	C.B		O R	0813	88-108-224-080	C-RES,U 220K-1/16W J	a
FRONT	C.B		O R	0815	88-108-272-080	C-RES,U 2.7K-1/16W J	a
FRONT	C.B		X R	0816	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	C.B		O R	0818	88-108-224-080	C-RES,U 220K-1/16W J	a
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
FRONT	C.B		X R	0819	88-108-222-080	C-RES,U 2.2K-1/16W J	a
FRONT	C.B		O R	0820	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT	C.B		X R	0821	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	C.B		O R	0822	88-108-224-080	C-RES,U 220K-1/16W J	a
FRONT	C.B		X R	0823	88-100-000-010	PLATING-JW, 0.58 SN95	a
FRONT	C.B		X R	0824	88-100-000-010	PLATING-JW, 0.58 SN95	a
FRONT	C.B		X R	0825	88-100-000-010	PLATING-JW, 0.58 SN95	a
FRONT	C.B		X R	0826	88-108-000-080	C- JUMPER,U	a
FRONT	C.B		O R	0827	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT	C.B		X R	0901	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	C.B		X R	0902	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	C.B		X R	0903	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	C.B		X R	0904	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	C.B		X R	0905	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	C.B		X R	0906	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	C.B		X R	0907	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	C.B		X R	0908	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	C.B		X R	0909	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	C.B		X R	0910	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT	C.B		X R	0911	88-108-104-080	C-RES,U 100K-1/16W J	a

ELECTRICAL PARTS LIST -4/16

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UNIT-NAME		! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
FRONT	C.B	X R	0912	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0913	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0914	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0915	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0916	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0917	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0918	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0919	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0920	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0921	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0922	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0923	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0924	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0925	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0926	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0927	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0928	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0929	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0930	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0931	88-108-104-080	C-RES,U 100K-1/16W J	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
FRONT	C.B	X R	0932	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0933	88-121-104-080	RES,100K-1/8W J	a	b
FRONT	C.B	X R	0934	88-108-683-080	C-RES,U 68K-1/16W J	a	b
FRONT	C.B	X R	0935	88-108-683-080	C-RES,U 68K-1/16W J	a	b
FRONT	C.B	X R	0936	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0937	88-128-472-080	C-RES, 4.7K-1/8W J	a	b
FRONT	C.B	X R	0938	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
FRONT	C.B	X R	0939	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
FRONT	C.B	X R	0940	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0941	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	O R	0942	88-108-103-080	C-RES,U 10K-1/16W J	a	b
FRONT	C.B	X R	0943	88-121-472-080	RES,4.7K-1/8W J	a	b
FRONT	C.B	X R	0946	88-108-000-080	C-JUMPER,U	a	b
FRONT	C.B	X R	0947	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	O R	0951	88-108-102-080	C-RES,U 1K-1/16W J	a	b
FRONT	C.B	X R	0955	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0956	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	X R	0957	88-108-104-080	C-RES,U 100K-1/16W J	a	b
FRONT	C.B	O R	0958	88-108-103-080	C-RES,U 10K-1/16W J	a	b
FRONT	C.B	O R	0959	88-108-103-080	C-RES,U 10K-1/16W J	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
FRONT	C.B	X R	0961	88-121-181-080	RES,180-1/8W J	a	b
FRONT	C.B	O R	0963	88-108-563-080	C-RES,U 56K-1/16W J	a	b
FRONT	C.B	O R	0969	88-108-103-080	C-RES,U 10K-1/16W J	a	b
FRONT	C.B	O R	0981	88-108-103-080	C-RES,U 10K-1/16W J	a	b
FRONT	C.B	O R	0982	88-108-103-080	C-RES,U 10K-1/16W J	a	b
FRONT	C.B	O R	0983	88-108-103-080	C-RES,U 10K-1/16W J	a	b
FRONT	C.B	O R	0984	88-108-103-080	C-RES,U 10K-1/16W J	a	b
FRONT	C.B	X R	0985	88-121-103-080	RES,10K-1/8W J	a	b
FRONT	C.B	X R	0986	88-121-103-080	RES,10K-1/8W J	a	b
FRONT	C.B	O R	0987	88-108-103-080	C-RES,U 10K-1/16W J	a	b
FRONT	C.B	O R	0988	88-108-103-080	C-RES,U 10K-1/16W J	a	b
FRONT	C.B	O R	0989	88-108-103-080	C-RES,U 10K-1/16W J	a	b
FRONT	C.B	O S	0321	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0322	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0323	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0324	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0325	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0326	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0327	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0328	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
FRONT	C.B	O S	0329	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0330	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0331	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0332	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0333	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0334	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0335	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0341	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0342	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0343	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0344	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0345	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0346	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0347	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0348	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0349	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0350	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0351	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0352	87-A90-164-080	SW,TACT SKQÑAB(N)	a	b
FRONT	C.B	O S	0361	87-A92-370-010	SW,RTRY RE012307PVB30F	a	b

ELECTRICAL PARTS LIST -5/16

! = ⚠ 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	
					CX-SNRV15 HRSM	CX-SNRV15 HTSC1
FRONT C.B	O S	0371	87-A92-371-010	SW, RTRY RE0123PVB30F	a	b
HP C.B	O C	0251	87-010-176-080	C-CAP, S 680P-50 J SL C2012	a	b
HP C.B	O C	0252	87-010-176-080	C-CAP, S 680P-50 J SL C2012	a	b
HP C.B	O J	0230	87-A60-420-010	JACK, 3.5 ST (MSC)	a	b
HP C.B	X R	0230	88-130-331-080	RES, 330-1/4W J	a	b
HP C.B	X R	0231	88-130-331-080	RES, 330-1/4W J	a	b
HP C.B	X R	0234	88-128-222-080	C-RES, 2.2K-1/8W J	a	b
HP C.B	X R	0235	88-128-222-080	C-RES, 2.2K-1/8W J	a	b
HP C.B	O WH	0230	87-A90-459-010	HLDR, WIRE 2.5-5P	a	b
MAIN C.B	O C	0003	87-010-759-080	C-CAP, U 0.1-25 Z F CM/CB	a	b
MAIN C.B	O C	0004	87-010-759-080	C-CAP, U 0.1-25 Z F CM/CB	a	b
MAIN C.B	O C	0005	87-010-759-080	C-CAP, U 0.1-25 Z F CM/CB	a	b
MAIN C.B	O C	0006	87-010-759-080	C-CAP, U 0.1-25 Z F CM/CB	a	b
MAIN C.B	O C	0013	87-012-282-080	C-CAP, U 4700P-50 K B GRM	a	b
MAIN C.B	O C	0014	87-A12-071-080	CAP, E 47-25 SMG	a	b
MAIN C.B	O C	0014	87-010-260-080	CAP, E 47-25 M 11L SME	.	b
MAIN C.B	O C	0018	87-012-286-080	C-CAP, U 0.01-25 K B GRM	a	b
MAIN C.B	O C	0019	87-A12-777-090	CAP, E 3300-25 M 85 SKR	a	b
MAIN C.B	O C	0019	87-A12-440-000	CAP, E 3300-35 M 85 IV LELON	.	b
MAIN C.B	O C	0021	87-A12-777-090	CAP, E 3300-25 M 85 SKR	a	b
					CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B	O C	0021	87-A12-440-000	CAP, E 3300-35 M 85 IV LELON	.	b
MAIN C.B	O C	0022	87-A12-777-090	CAP, E 3300-25 M 85 SKR	a	b
MAIN C.B	O C	0022	87-A12-440-000	CAP, E 3300-35 M 85 IV LELON	.	b
MAIN C.B	O C	0025	87-A12-072-080	CAP, E 100-25 SMG	a	b
MAIN C.B	O C	0025	87-010-384-080	CAP, E 100-25 M 11L SME	.	b
MAIN C.B	O C	0026	87-A12-072-080	CAP, E 100-25 SMG	a	b
MAIN C.B	O C	0026	87-010-384-080	CAP, E 100-25 M 11L SME	.	b
MAIN C.B	O C	0027	87-A12-072-080	CAP, E 100-25 SMG	a	b
MAIN C.B	O C	0027	87-010-384-080	CAP, E 100-25 M 11L SME	.	b
MAIN C.B	O C	0028	87-A12-072-080	CAP, E 100-25 SMG	a	b
MAIN C.B	O C	0028	87-010-384-080	CAP, E 100-25 M 11L SME	.	b
MAIN C.B	O C	0030	87-A12-095-080	CAP, E 100-50 SMG	a	b
MAIN C.B	O C	0030	87-010-247-080	CAP, E 100-50 M SME	.	b
MAIN C.B	O C	0031	87-A12-317-080	C-CAP, U 0.1-50 Z F	a	b
MAIN C.B	O C	0034	87-A12-071-080	CAP, E 47-25 SMG	a	b
MAIN C.B	O C	0034	87-010-260-080	CAP, E 47-25 M 11L SME	.	b
MAIN C.B	O C	0035	87-A12-091-080	CAP, E 10-50 SMG	a	b
MAIN C.B	O C	0035	87-010-405-080	CAP, E 10-50 M 11L SME	.	b
MAIN C.B	O C	0036	87-A12-071-080	CAP, E 47-25 SMG	a	b
MAIN C.B	O C	0036	87-010-260-080	CAP, E 47-25 M 11L SME	.	b
					CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B	O C	0060	87-A12-089-080	CAP, E 3.3-50 SMG	a	b
MAIN C.B	O C	0060	87-010-403-080	CAP, E 3.3-50 M 11L SME	.	b
MAIN C.B	O C	0061	87-A12-071-080	CAP, E 47-25 SMG	a	b
MAIN C.B	O C	0061	87-010-260-080	CAP, E 47-25 M 11L SME	.	b
MAIN C.B	O C	0083	87-A12-073-080	CAP, E 220-25 SMG	a	b
MAIN C.B	O C	0083	87-010-385-080	CAP, E 220-25 M SME	.	b
MAIN C.B	O C	0097	87-010-831-080	C-CAP, U 0.1-16 Z F GRM	a	b
MAIN C.B	O C	0099	87-010-831-080	C-CAP, U 0.1-16 Z F GRM	a	b
MAIN C.B	O C	0101	87-012-284-080	C-CAP, U 6800P-50 K B GRM	a	b
MAIN C.B	O C	0102	87-012-284-080	C-CAP, U 6800P-50 K B GRM	a	b
MAIN C.B	O C	0103	87-A12-085-080	CAP, E 0.33-50 SMG	a	b
MAIN C.B	O C	0103	87-010-546-080	CAP, E 0.33-50 M 11L SME	.	b
MAIN C.B	O C	0104	87-A12-085-080	CAP, E 0.33-50 SMG	a	b
MAIN C.B	O C	0104	87-010-546-080	CAP, E 0.33-50 M 11L SME	.	b
MAIN C.B	O C	0107	87-A12-088-080	CAP, E 2.2-50 SMG	a	b
MAIN C.B	O C	0107	87-010-402-080	CAP, E 2.2-50 M 11L SME	.	b
MAIN C.B	O C	0108	87-A12-088-080	CAP, E 2.2-50 SMG	a	b
MAIN C.B	O C	0108	87-010-402-080	CAP, E 2.2-50 M 11L SME	.	b
MAIN C.B	O C	0111	87-A12-070-080	CAP, E 33-25 SMG	a	b
MAIN C.B	O C	0111	87-010-383-080	CAP, E 33-25 M 11L SME	.	b
					CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B	O C	0112	87-A12-070-080	CAP, E 33-25 SMG	a	b
MAIN C.B	O C	0112	87-010-383-080	CAP, E 33-25 M 11L SME	.	b
MAIN C.B	O C	0113	87-A12-087-080	CAP, E 1-50 SMG	a	b
MAIN C.B	O C	0113	87-010-401-080	CAP, E 1-50 M 11L SME	.	b
MAIN C.B	O C	0114	87-A12-087-080	CAP, E 1-50 SMG	a	b
MAIN C.B	O C	0114	87-010-401-080	CAP, E 1-50 M 11L SME	.	b
MAIN C.B	O C	0115	87-A10-260-080	C-CAP, U 0.1-16 K B	a	b
MAIN C.B	O C	0117	87-A12-317-080	C-CAP, U 0.1-50 Z F	a	b
MAIN C.B	O C	0117	87-012-368-080	C-CAP, S 0.1-50 Z F GRM	.	b
MAIN C.B	O C	0118	87-A12-317-080	C-CAP, U 0.1-50 Z F	a	b
MAIN C.B	O C	0118	87-012-368-080	C-CAP, S 0.1-50 Z F GRM	.	b
MAIN C.B	O C	0119	87-012-286-080	C-CAP, U 0.01-25 K B GRM	a	b
MAIN C.B	O C	0120	87-012-286-080	C-CAP, U 0.01-25 K B GRM	a	b
MAIN C.B	O C	0123	87-A10-978-080	C-CAP, U 820P-25 J CH	a	b
MAIN C.B	O C	0123	87-010-177-080	C-CAP, S 820P-50 J SL C2012	.	b
MAIN C.B	O C	0124	87-A10-978-080	C-CAP, U 820P-25 J CH	a	b
MAIN C.B	O C	0124	87-010-177-080	C-CAP, S 820P-50 J SL C2012	.	b
MAIN C.B	O C	0125	87-012-188-080	C-CAP, U 47P-50 J CH GRM	a	b
MAIN C.B	O C	0126	87-012-188-080	C-CAP, U 47P-50 J CH GRM	a	b
MAIN C.B	O C	0133	87-012-282-080	C-CAP, U 4700P-50 K B GRM	a	b

ELECTRICAL PARTS LIST -6/16

! = ⚠ SAFTY PARTS

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UNIT-NAME		! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN	C.B	O	C	0140	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a
MAIN	C.B	O	C	0225	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	C.B	O	C	0225	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	.
MAIN	C.B	O	C	0226	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	C.B	O	C	0226	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	.
MAIN	C.B	O	C	0227	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	C.B	O	C	0227	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	.
MAIN	C.B	O	C	0228	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	C.B	O	C	0228	87-012-368-080	C-CAP,S 0.1-50 Z F GRM	.
MAIN	C.B	O	C	0241	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a
MAIN	C.B	O	C	0301	87-012-275-080	C-CAP,U 1200P-50 K B GRM	a
MAIN	C.B	O	C	0302	87-012-275-080	C-CAP,U 1200P-50 K B GRM	a
MAIN	C.B	O	C	0303	87-012-275-080	C-CAP,U 1200P-50 K B GRM	a
MAIN	C.B	O	C	0304	87-012-275-080	C-CAP,U 1200P-50 K B GRM	a
MAIN	C.B	O	C	0305	87-A10-039-080	C-CAP,U 470P-50 J CH	a
MAIN	C.B	O	C	0310	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a
MAIN	C.B	O	C	0363	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a
MAIN	C.B	O	C	0451	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a
MAIN	C.B	O	C	0452	87-A12-092-080	CAP,E 22-50 SMG	a
MAIN	C.B	O	C	0452	87-010-406-080	CAP,E 22-50 M 11L SME	.
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN	C.B	O	C	0453	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN	C.B	O	C	0454	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN	C.B	O	C	0455	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN	C.B	O	C	0456	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN	C.B	X	C	0457	88-708-730-810	CAP,M 5600P-100 J	a
MAIN	C.B	O	C	0458	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a
MAIN	C.B	O	C	0459	87-012-271-080	C-CAP,U 560P-50 K B GRM	a
MAIN	C.B	O	C	0460	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN	C.B	O	C	0461	87-012-158-080	C-CAP,S 390P-50 J CH GRM	a
MAIN	C.B	O	C	0462	87-012-158-080	C-CAP,S 390P-50 J CH GRM	a
MAIN	C.B	O	C	0463	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a
MAIN	C.B	O	C	0464	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a
MAIN	C.B	O	C	0601	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a
MAIN	C.B	O	C	0602	87-012-188-080	C-CAP,U 47P-50 J CH GRM	a
MAIN	C.B	O	C	0603	87-A12-062-080	CAP,E 100-10 SMG	a
MAIN	C.B	O	C	0603	87-010-263-080	CAP,E 100-10 M 11L SME	.
MAIN	C.B	O	C	0604	87-A12-062-080	CAP,E 100-10 SMG	a
MAIN	C.B	O	C	0604	87-010-263-080	CAP,E 100-10 M 11L SME	.
MAIN	C.B	X	C	0605	88-700-740-810	CAP,M 6800P-50 J AMZV	a
MAIN	C.B	X	C	0606	88-700-740-810	CAP,M 6800P-50 J AMZV	a
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN	C.B	O	C	0607	87-A10-039-080	C-CAP,U 470P-50 J CH	a
MAIN	C.B	O	C	0608	87-A10-039-080	C-CAP,U 470P-50 J CH	a
MAIN	C.B	O	C	0609	87-A12-087-080	CAP,E 1-50 SMG	a
MAIN	C.B	O	C	0609	87-010-401-080	CAP,E 1-50 M 11L SME	.
MAIN	C.B	O	C	0610	87-A12-087-080	CAP,E 1-50 SMG	a
MAIN	C.B	O	C	0610	87-010-401-080	CAP,E 1-50 M 11L SME	.
MAIN	C.B	O	C	0611	87-A12-790-080	C-CAP,U 560P-50 J CH	a
MAIN	C.B	O	C	0612	87-A12-790-080	C-CAP,U 560P-50 J CH	a
MAIN	C.B	O	C	0613	87-012-280-080	C-CAP,U 3300P-50 K B GRM	a
MAIN	C.B	O	C	0614	87-012-280-080	C-CAP,U 3300P-50 K B GRM	a
MAIN	C.B	O	C	0615	87-A12-084-080	CAP,E 0.22-50 SMG	a
MAIN	C.B	O	C	0615	87-010-545-080	CAP,E 0.22-50 M 11L SME	.
MAIN	C.B	O	C	0616	87-A12-084-080	CAP,E 0.22-50 SMG	a
MAIN	C.B	O	C	0616	87-010-545-080	CAP,E 0.22-50 M 11L SME	.
MAIN	C.B	O	C	0617	87-A12-084-080	CAP,E 0.22-50 SMG	a
MAIN	C.B	O	C	0617	87-010-545-080	CAP,E 0.22-50 M 11L SME	.
MAIN	C.B	O	C	0618	87-A12-084-080	CAP,E 0.22-50 SMG	a
MAIN	C.B	O	C	0618	87-010-545-080	CAP,E 0.22-50 M 11L SME	.
MAIN	C.B	O	C	0625	87-012-198-080	C-CAP,U 180P-50 J CH GRM	a
MAIN	C.B	O	C	0626	87-012-198-080	C-CAP,U 180P-50 J CH GRM	a
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN	C.B	O	C	0627	87-012-284-080	C-CAP,U 6800P-50 K B GRM	a
MAIN	C.B	O	C	0628	87-012-284-080	C-CAP,U 6800P-50 K B GRM	a
MAIN	C.B	O	C	0629	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN	C.B	O	C	0630	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a
MAIN	C.B	O	C	0631	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a
MAIN	C.B	O	C	0632	87-012-278-080	C-CAP,U 2200P-50 K B GRM	a
MAIN	C.B	O	C	0641	87-A12-085-080	CAP,E 0.33-50 SMG	a
MAIN	C.B	O	C	0641	87-010-546-080	CAP,E 0.33-50 M 11L SME	.
MAIN	C.B	O	C	0642	87-A12-085-080	CAP,E 0.33-50 SMG	a
MAIN	C.B	O	C	0642	87-010-546-080	CAP,E 0.33-50 M 11L SME	.
MAIN	C.B	O	C	0651	87-A12-063-080	CAP,E 220-10 SMG	a
MAIN	C.B	O	C	0651	87-010-248-080	CAP,E 220-10 M 11L SME	.
MAIN	C.B	O	C	0652	87-A12-071-080	CAP,E 47-25 SMG	a
MAIN	C.B	O	C	0652	87-010-260-080	CAP,E 47-25 M 11L SME	.
MAIN	C.B	O	C	0655	87-A12-090-080	CAP,E 4.7-50 SMG	a
MAIN	C.B	O	C	0655	87-010-404-080	CAP,E 4.7-50 M 11L SME	.
MAIN	C.B	O	C	0656	87-010-784-080	C-CAP,U 0.012-25 K B GRM	a
MAIN	C.B	O	C	0663	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a
MAIN	C.B	O	C	0664	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a
MAIN	C.B	O	C	0665	87-A10-504-080	C-CAP,U 0.047-16 K B	a

ELECTRICAL PARTS LIST -7/16

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						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		O C	0666	87-A10-504-080	C-CAP,U 0.047-16 K B	a	b
MAIN C.B		O C	0677	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0771	87-A12-062-080	CAP,E 100-10 SMG	a	.
MAIN C.B		O C	0771	87-010-263-080	CAP,E 100-10 M 11L SME	.	b
MAIN C.B		O C	0772	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		X C	0781	88-108-000-080	C-JUMPER,U	a	b
MAIN C.B		O C	0782	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0783	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0784	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0785	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0786	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0788	87-012-167-080	C-CAP,U 5P-50 C CH GRM	a	b
MAIN C.B		O C	0789	87-016-117-080	C-CAP,U 0.018-25 J B	a	b
MAIN C.B		O C	0790	87-016-117-080	C-CAP,U 0.018-25 J B	a	b
MAIN C.B		O C	0791	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
MAIN C.B		O C	0792	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0793	87-A12-090-080	CAP,E 4.7-50 SMG	a	.
MAIN C.B		O C	0793	87-010-404-080	CAP,E 4.7-50 M 11L SME	.	b
MAIN C.B		O C	0795	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0796	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		O C	0797	87-A12-091-080	CAP,E 10-50 SMG	a	.
MAIN C.B		O C	0797	87-010-405-080	CAP,E 10-50 M 11L SME	.	b
MAIN C.B		O C	0798	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0799	87-A12-065-080	CAP,E 33-16 SMG	a	.
MAIN C.B		O C	0799	87-010-265-080	CAP,E 33-16 M 11L SME	.	b
MAIN C.B		O C	0800	87-010-829-080	C-CAP,U 0.047-16 Z F CM/CB	a	b
MAIN C.B		O C	0801	87-A12-089-080	CAP,E 3.3-50 SMG	a	.
MAIN C.B		O C	0801	87-010-403-080	CAP,E 3.3-50 M 11L SME	.	b
MAIN C.B		O C	0802	87-010-829-080	C-CAP,U 0.047-16 Z F CM/CB	a	b
MAIN C.B		O C	0803	87-010-787-080	C-CAP,U 0.022-25 K B GRM	a	b
MAIN C.B		O C	0804	87-A12-062-080	CAP,E 100-10 SMG	a	.
MAIN C.B		O C	0804	87-010-263-080	CAP,E 100-10 M 11L SME	.	b
MAIN C.B		O C	0807	87-A12-086-080	CAP,E 0.47-50 SMG	a	.
MAIN C.B		O C	0807	87-010-400-080	CAP,E 0.47-50 M 11L SME	.	b
MAIN C.B		O C	0808	87-A12-087-080	CAP,E 1-50 SMG	a	.
MAIN C.B		O C	0808	87-010-401-080	CAP,E 1-50 M 11L SME	.	b
MAIN C.B		O C	0809	87-A12-087-080	CAP,E 1-50 SMG	a	.
MAIN C.B		O C	0809	87-010-401-080	CAP,E 1-50 M 11L SME	.	b
MAIN C.B		O C	0810	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
MAIN C.B		O C	0814	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		O C	0815	87-A12-086-080	CAP,E 0.47-50 SMG	a	.
MAIN C.B		O C	0815	87-010-400-080	CAP,E 0.47-50 M 11L SME	.	b
MAIN C.B		O C	0816	87-A12-086-080	CAP,E 0.47-50 SMG	a	.
MAIN C.B		O C	0816	87-010-400-080	CAP,E 0.47-50 M 11L SME	.	b
MAIN C.B		O C	0821	87-A12-091-080	CAP,E 10-50 SMG	a	.
MAIN C.B		O C	0821	87-010-405-080	CAP,E 10-50 M 11L SME	.	b
MAIN C.B		X C	0822	88-108-000-080	C-JUMPER,U	a	b
MAIN C.B		O C	0823	87-010-177-080	C-CAP,S 820P-50 J SL C2012	a	b
MAIN C.B		O C	0824	87-A12-090-080	CAP,E 4.7-50 SMG	a	.
MAIN C.B		O C	0824	87-010-404-080	CAP,E 4.7-50 M 11L SME	.	b
MAIN C.B		O C	0825	87-010-596-080	C-CAP,S 0.047-16 K R C2012	a	b
MAIN C.B		O C	0842	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0843	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0844	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0845	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0846	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		X C	0847	88-108-000-080	C-JUMPER,U	a	b
MAIN C.B		X C	0848	88-108-000-080	C-JUMPER,U	a	b
MAIN C.B		O C	0849	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0850	87-A12-071-080	CAP,E 47-25 SMG	a	.
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		O C	0850	87-010-260-080	CAP,E 47-25 M 11L SME	.	b
MAIN C.B		O C	0851	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0852	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0853	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0860	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O C	0901	87-012-169-080	C-CAP,U 7P-50 D CH GRM	a	b
MAIN C.B		X C	0906	88-108-000-080	C-JUMPER,U	a	b
MAIN C.B		O C	0909	87-A10-915-080	C-CAP,U 1000P-25 J CH	a	b
MAIN C.B		O C	0911	87-012-167-080	C-CAP,U 5P-50 C CH GRM	a	b
MAIN C.B		O C	0912	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
MAIN C.B		O C	0914	86-ZA1-616-080	C-CAP,U 0.01-50 K B (MUR)	a	b
MAIN C.B		O C	0915	86-ZA1-616-080	C-CAP,U 0.01-50 K B (MUR)	a	b
MAIN C.B		O C	0917	87-012-164-080	C-CAP,U 2P-50 C CH GRM	a	b
MAIN C.B		O C	0920	87-012-180-080	C-CAP,U 22P-50 J CH GRM	a	b
MAIN C.B		O C	0921	87-012-186-080	C-CAP,U 39P-50 J CH GRM	a	b
MAIN C.B		O C	0922	87-012-174-080	C-CAP,U 12P-50 J CH GRM	a	b
MAIN C.B		O C	0923	87-A10-039-080	C-CAP,U 470P-50 J CH	a	b
MAIN C.B		O C	0924	87-012-162-080	C-CAP,U 1P-50 C CH GRM	a	b
MAIN C.B		O C	0926	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
MAIN C.B		O C	0931	87-A12-319-080	C-CAP,U 0.1-25 K B	a	b

ELECTRICAL PARTS LIST -8/16

! = ⚠ 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.

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UNIT-NAME		! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN	C.B	X C	0940	88-108-000-080	C-JUMPER,U	a	b
MAIN	C.B	O C	0959	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
MAIN	C.B	O C	0960	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
MAIN	C.B	O C	0961	87-012-169-080	C-CAP,U 7P-50 D CH GRM	a	b
MAIN	C.B	O C	0962	87-A12-087-080	CAP,E 1-50 SMG	a	.
MAIN	C.B	O C	0962	87-010-401-080	CAP,E 1-50 M 11L SME	.	b
MAIN	C.B	O C	0963	87-A12-319-080	C-CAP,U 0.1-25 K B	a	b
MAIN	C.B	O C	0971	87-A12-067-080	CAP,E 330-16 SMG	a	.
MAIN	C.B	O C	0971	87-010-381-080	CAP,E 330-16 M SME	.	b
MAIN	C.B	O C	0972	87-A12-090-080	CAP,E 4.7-50 SMG	a	.
MAIN	C.B	O C	0972	87-010-404-080	CAP,E 4.7-50 M 11L SME	.	b
MAIN	C.B	O C	0973	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN	C.B	O C	0974	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN	C.B	O C	0979	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
MAIN	C.B	O C	0981	87-A12-071-080	CAP,E 47-25 SMG	a	.
MAIN	C.B	O C	0981	87-010-260-080	CAP,E 47-25 M 11L SME	.	b
MAIN	C.B	O C	0982	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
MAIN	C.B	O C	0983	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN	C.B	O C	0984	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN	C.B	O C	0987	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN	C.B	O C	0988	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN	C.B	O C	0991	87-012-176-080	C-CAP,U 15P-50 J CH GRM	a	b
MAIN	C.B	O C	0992	87-012-176-080	C-CAP,U 15P-50 J CH GRM	a	b
MAIN	C.B	O C	0993	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b
MAIN	C.B	O C	0995	87-012-274-080	C-CAP,U 1000P-50 K B GRM	a	b
MAIN	C.B	O C	0997	87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
MAIN	C.B	O C	0998	87-A12-071-080	CAP,E 47-25 SMG	a	.
MAIN	C.B	O C	0998	87-010-260-080	CAP,E 47-25 M 11L SME	.	b
MAIN	C.B	O C	0999	87-A11-155-080	CAP,TC U 0.01-16 Z F	a	b
MAIN	C.B	O CF	0831	87-008-261-010	FLTR,CF SFE10.7MA5	a	b
						a	b
MAIN	C.B	O CF	0832	87-008-261-010	FLTR,CF SFE10.7MA5	a	b
MAIN	C.B	X CLP0301	87-A60-884-010	PIN,DIA1 COATING-SHS	a	b	
MAIN	C.B	X CLP0304	87-A60-884-010	PIN,DIA1 COATING-SHS	a	b	
MAIN	C.B	O CN 0301	87-A60-620-010	CONN,3P V 2MM JMT	a	b	
MAIN	C.B	O CN 0302	87-A60-625-010	CONN,8P V 2MM JMT	a	b	
MAIN	C.B	O CN 0601	87-099-719-010	CONN,30P H BLK TYK-B(X)	a	b	
MAIN	C.B	O CN 0603	87-099-667-010	CONN,8P V TUC-P08P-B1	a	b	
MAIN	C.B	O CN 0604	87-099-196-010	CONN,8P V BLK 6216	a	b	
MAIN	C.B	S D 0005	87-A40-553-080	DIODE,1N4003 LES	a	b	
MAIN	C.B	S D 0006	87-A40-553-080	DIODE,1N4003 LES	a	b	
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN	C.B	S D 0007	87-A40-455-090	DIODE,RL203 GW	a	b	
MAIN	C.B	S D 0008	87-A40-455-090	DIODE,RL203 GW	a	b	
MAIN	C.B	S D 0009	87-A40-393-090	DIODE,1N5402GW(F20)	a	b	
MAIN	C.B	S D 0010	87-A40-393-090	DIODE,1N5402GW(F20)	a	b	
MAIN	C.B	S D 0011	87-A40-270-080	C-DIODE,MC2838	a	b	
MAIN	C.B	S D 0012	87-020-465-080	DIODE,1SS133	a	.	
MAIN	C.B	S D 0012	87-A40-291-080	DIODE,1N4148M (CPT)	.	b	
MAIN	C.B	S D 0013	87-A40-345-080	ZENER,MTZJ10C	a	b	
MAIN	C.B	S D 0025	87-A40-553-080	DIODE,1N4003 LES	a	b	
MAIN	C.B	S D 0026	87-A40-553-080	DIODE,1N4003 LES	a	b	
						a	b
MAIN	C.B	S D 0027	87-A40-553-080	DIODE,1N4003 LES	a	b	
MAIN	C.B	S D 0028	87-A40-553-080	DIODE,1N4003 LES	a	b	
MAIN	C.B	S D 0029	87-A40-336-080	ZENER,MTZJ27D T-72	a	b	
MAIN	C.B	S D 0033	87-020-465-080	DIODE,1SS133	a	.	
MAIN	C.B	S D 0033	87-A40-291-080	DIODE,1N4148M (CPT)	.	b	
MAIN	C.B	S D 0060	87-020-465-080	DIODE,1SS133	a	.	
MAIN	C.B	S D 0060	87-A40-291-080	DIODE,1N4148M (CPT)	.	b	
MAIN	C.B	S D 0063	87-A40-270-080	C-DIODE,MC2838	a	b	
MAIN	C.B	S D 0064	87-A40-269-080	C-DIODE,MC2836	a	b	
MAIN	C.B	S D 0092	87-A40-270-080	C-DIODE,MC2838	a	b	
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN	C.B	S D 0101	87-A40-269-080	C-DIODE,MC2836	a	b	
MAIN	C.B	S D 0103	87-020-465-080	DIODE,1SS133	a	.	
MAIN	C.B	S D 0103	87-A40-291-080	DIODE,1N4148M (CPT)	.	b	
MAIN	C.B	S D 0104	87-020-465-080	DIODE,1SS133	a	.	
MAIN	C.B	S D 0104	87-A40-291-080	DIODE,1N4148M (CPT)	.	b	
MAIN	C.B	S D 0105	87-A40-269-080	C-DIODE,MC2836	a	b	
MAIN	C.B	S D 0106	87-A40-269-080	C-DIODE,MC2836	a	b	
MAIN	C.B	S D 0107	87-A40-270-080	C-DIODE,MC2838	a	b	
MAIN	C.B	S D 0108	87-A40-270-080	C-DIODE,MC2838	a	b	
MAIN	C.B	S D 0160	87-A40-270-080	C-DIODE,MC2838	a	b	
						a	b
MAIN	C.B	S D 0280	87-A40-269-080	C-DIODE,MC2836	a	b	
MAIN	C.B	S D 0281	87-A40-270-080	C-DIODE,MC2838	a	b	
MAIN	C.B	S D 0301	87-A40-269-080	C-DIODE,MC2836	a	b	
MAIN	C.B	S D 0661	87-A40-438-080	ZENER,MTZJ4.7A	a	b	
MAIN	C.B	S D 0662	87-A40-438-080	ZENER,MTZJ4.7A	a	b	
MAIN	C.B	X D 0801	88-100-000-010	PLATING-JW, 0.58 SN95	a	b	
MAIN	C.B	S D 0803	87-020-465-080	DIODE,1SS133	a	.	
MAIN	C.B	S D 0803	87-A40-291-080	DIODE,1N4148M (CPT)	.	b	
MAIN	C.B	O D 0902	87-A40-916-040	C-VARI-CAP,HVC202A	a	b	
MAIN	C.B	O D 0903	87-A40-916-040	C-VARI-CAP,HVC202A	a	b	

ELECTRICAL PARTS LIST -9/16

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UNIT-NAME		! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		X D	0944	88-100-000-010	PLATING-JW, 0.58 SN95	a	b
MAIN C.B		O D	0951	87-A40-799-040	C-VARI-CAP, KV1610S	a	b
MAIN C.B		S D	0991	87-017-149-080	ZENER, HZS6A2L	a	b
MAIN C.B		S D	0994	87-020-465-080	DIODE, 1SS133	a	.
MAIN C.B		S D	0994	87-A40-291-080	DIODE, 1N4148M (CPT)	.	b
MAIN C.B		X FB	0601	88-118-000-080	C-JUMPER, S	a	b
MAIN C.B		X FB	0602	88-118-000-080	C-JUMPER, S	a	b
MAIN C.B		X FB	0603	88-100-000-010	PLATING-JW, 0.58 SN95	a	b
MAIN C.B		S IC	0001	87-A21-365-010	IC, NJM7808FA(A)	a	b
MAIN C.B		S IC	0601	87-A22-236-040	C-IC, BD3881FV	a	b
MAIN C.B		S IC	0801	87-A22-060-010	IC, LA1845N-A	a	b
MAIN C.B		S IC	0991	87-A21-928-010	IC, LC72131D-N	a	b
MAIN C.B		O J	0203	87-A60-238-010	TERMINAL, SP 4P (MSC)	a	b
MAIN C.B		O J	0602	87-A60-881-010	JACK, PIN 2P MSP 242V05 PBSN	a	b
MAIN C.B		O J	0831	87-A60-202-010	TERMINAL, ANT 4P MSP-154V-02	a	b
MAIN C.B		X JR	0011	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0012	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0111	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0112	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0113	88-108-000-080	C-JUMPER, U	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		X JR	0114	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0211	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0301	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0302	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0303	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0304	88-129-000-080	C-JUMPER, 3216	a	b
MAIN C.B		X JR	0305	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0306	88-129-000-080	C-JUMPER, 3216	a	b
MAIN C.B		X JR	0401	88-129-000-080	C-JUMPER, 3216	a	b
MAIN C.B		X JR	0402	88-129-000-080	C-JUMPER, 3216	a	b
MAIN C.B		X JR	0403	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0404	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0602	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0603	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0604	88-129-000-080	C-JUMPER, 3216	a	b
MAIN C.B		X JR	0605	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0606	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0607	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0781	88-129-000-080	C-JUMPER, 3216	a	b
MAIN C.B		X JR	0785	88-108-000-080	C-JUMPER, U	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		X JR	0786	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0801	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0802	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0803	88-129-000-080	C-JUMPER, 3216	a	b
MAIN C.B		X JR	0804	88-129-000-080	C-JUMPER, 3216	a	b
MAIN C.B		X JR	0834	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0835	88-108-561-080	C-RES, U 560-1/16W J	a	b
MAIN C.B		X JR	0902	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0904	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0906	88-129-000-080	C-JUMPER, 3216	a	b
MAIN C.B		X JR	0907	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0943	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0946	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0950	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0951	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0952	88-129-000-080	C-JUMPER, 3216	a	b
MAIN C.B		X JR	0954	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0955	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0964	88-129-000-080	C-JUMPER, 3216	a	b
MAIN C.B		X JR	0971	88-129-000-080	C-JUMPER, 3216	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		X JR	0972	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0973	88-129-000-080	C-JUMPER, 3216	a	b
MAIN C.B		X JR	0974	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0976	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0977	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		X JR	0991	88-108-000-080	C-JUMPER, U	a	b
MAIN C.B		O L	0201	87-A50-610-010	COIL, 1UH K(MDEC)	a	.
MAIN C.B		O L	0201	87-A50-611-010	COIL, 1UH K(CS)	.	b
MAIN C.B		O L	0202	87-A50-610-010	COIL, 1UH K(MDEC)	a	.
MAIN C.B		O L	0202	87-A50-611-010	COIL, 1UH K(CS)	.	b
MAIN C.B		O L	0451	87-007-342-010	COIL, OSC 85KHZ BIAS	a	b
MAIN C.B		O L	0801	87-A50-608-010	COIL, FM DET-N(TOK)	a	b
MAIN C.B		O L	0802	87-A91-551-010	FLTR, PCFJZH-450 L(TOK)	a	b
MAIN C.B		O L	0811	87-005-847-080	COIL, 2.2UH K CECS	a	b
MAIN C.B		O L	0832	87-005-847-080	COIL, 2.2UH K CECS	a	b
MAIN C.B		O L	0901	87-A50-110-010	COIL, FM BPF EX	a	b
MAIN C.B		O L	0903	86-ZA1-624-010	COIL, FM RF-1	a	b
MAIN C.B		O L	0904	86-ZA1-622-010	COIL, FM ANT/RF-U	a	b
MAIN C.B		O L	0906	87-005-847-080	COIL, 2.2UH K CECS	a	b
MAIN C.B		O L	0907	86-ZA1-627-010	COIL, FM OSC-U	a	b

ELECTRICAL PARTS LIST -10/16

! = ⚠ 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.

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UNIT-NAME		! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		O L	0908	88-ZA1-624-010	COIL,FM IFT 7-6.2 (COILS)	a	b
MAIN C.B		O L	0952	87-A50-752-010	COIL,MW ANT(2B)	a	b
MAIN C.B		O L	0953	87-A50-753-010	COIL,MW OSC(2B)	a	b
MAIN C.B		S Q	0001	87-A30-494-080	TR,2SA1980G	a	b
MAIN C.B		S Q	0002	87-A30-494-080	TR,2SA1980G	a	b
MAIN C.B		S Q	0003	87-A30-076-080	C-TR,2SC3052F	a	b
MAIN C.B		S Q	0009	87-A30-494-080	TR,2SA1980G	a	b
MAIN C.B		S Q	0010	87-A30-076-080	C-TR,2SC3052F	a	b
MAIN C.B		S Q	0011	89-213-702-010	TR,2SB1370E	a	b
MAIN C.B		S Q	0012	87-A30-630-080	TR,2SC5343GL	a	b
MAIN C.B		S Q	0013	87-A30-076-080	C-TR,2SC3052F	a	b
MAIN C.B		S Q	0014	87-A30-075-080	C-TR,2SA1235F	a	b
MAIN C.B		S Q	0060	87-A30-076-080	C-TR,2SC3052F	a	b
MAIN C.B		S Q	0061	87-A30-075-080	C-TR,2SA1235F	a	b
MAIN C.B		S Q	0062	87-A30-076-080	C-TR,2SC3052F	a	b
MAIN C.B		S Q	0063	87-A30-075-080	C-TR,2SA1235F	a	b
MAIN C.B		S Q	0064	87-A30-076-080	C-TR,2SC3052F	a	b
MAIN C.B		S Q	0101	87-A30-257-080	C-TR,2SD1306E	a	b
MAIN C.B		S Q	0102	87-A30-257-080	C-TR,2SD1306E	a	b
MAIN C.B		S Q	0103	87-A30-075-080	C-TR,2SA1235F	a	b
MAIN C.B		S Q	0104	87-A30-075-080	C-TR,2SA1235F	a	b
MAIN C.B		S Q	0105	87-A30-075-080	C-TR,2SA1235F	a	b
MAIN C.B		S Q	0106	87-A30-075-080	C-TR,2SA1235F	a	b
MAIN C.B		S Q	0107	87-A30-076-080	C-TR,2SC3052F	a	b
MAIN C.B		S Q	0108	87-A30-076-080	C-TR,2SC3052F	a	b
MAIN C.B		S Q	0109	87-A30-076-080	C-TR,2SC3052F	a	b
MAIN C.B		S Q	0110	87-A30-076-080	C-TR,2SC3052F	a	b
MAIN C.B		S Q	0111	87-A30-630-080	TR,2SC5343GL	a	b
MAIN C.B		S Q	0112	87-A30-630-080	TR,2SC5343GL	a	b
MAIN C.B		S Q	0113	87-A30-076-080	C-TR,2SC3052F	a	b
MAIN C.B		S Q	0114	87-A30-076-080	C-TR,2SC3052F	a	b
MAIN C.B		S Q	0117	87-A30-255-010	TR,2SB1342	a	b
MAIN C.B		S Q	0118	87-A30-255-010	TR,2SB1342	a	b
MAIN C.B		S Q	0119	87-A30-256-010	TR,2SD1933	a	b
MAIN C.B		S Q	0120	87-A30-256-010	TR,2SD1933	a	b
MAIN C.B		S Q	0123	87-A30-075-080	C-TR,2SA1235F	a	b
MAIN C.B		S Q	0124	87-A30-075-080	C-TR,2SA1235F	a	b
MAIN C.B		S Q	0126	87-A30-075-080	C-TR,2SA1235F	a	b
MAIN C.B		S Q	0130	87-A30-076-080	C-TR,2SC3052F	a	b
MAIN C.B		S Q	0131	87-A30-075-080	C-TR,2SA1235F	a	b
MAIN C.B		S Q	0280	87-A30-538-040	C-TR,SRA2202S	a	b
MAIN C.B		S Q	0281	87-A30-075-080	C-TR,2SA1235F	a	b
MAIN C.B		S Q	0301	87-A30-091-080	FET,2SJ460	a	b
MAIN C.B		S Q	0302	87-A30-091-080	FET,2SJ460	a	b
MAIN C.B		S Q	0303	87-A30-090-080	FET,2SK2541	a	b
MAIN C.B		S Q	0304	87-A30-090-080	FET,2SK2541	a	b
MAIN C.B		S Q	0305	87-A30-091-080	FET,2SJ460	a	b
MAIN C.B		S Q	0306	87-A30-091-080	FET,2SJ460	a	b
MAIN C.B		S Q	0307	87-A30-090-080	FET,2SK2541	a	b
MAIN C.B		S Q	0308	87-A30-090-080	FET,2SK2541	a	b
MAIN C.B		S Q	0309	87-A30-090-080	FET,2SK2541	a	b
MAIN C.B		S Q	0451	87-A30-630-080	TR,2SC5343GL	a	b
MAIN C.B		S Q	0452	87-A30-076-080	C-TR,2SC3052F	a	b
MAIN C.B		S Q	0453	89-333-317-880	TR,2SC3331(T/U)	a	b
MAIN C.B		S Q	0454	89-333-317-880	TR,2SC3331(T/U)	a	b
MAIN C.B		S Q	0601	87-A30-538-040	C-TR,SRA2202S	a	b
MAIN C.B		S Q	0651	87-A30-087-080	C-FET,2SK2158	a	b
MAIN C.B		S Q	0652	87-A30-087-080	C-FET,2SK2158	a	b
MAIN C.B		S Q	0653	87-A30-076-080	C-TR,2SC3052F	a	b
MAIN C.B		S Q	0835	87-A30-521-080	C-TR,2SC5345SF/S(0)	a	b
MAIN C.B		S Q	0836	87-A30-677-040	C-TR,SRA2207S	a	b
MAIN C.B		S Q	0901	89-503-602-080	C-FET,2SK360E	a	b
MAIN C.B		S Q	0902	87-A30-664-080	C-TR,2SC2620B	a	b
MAIN C.B		S Q	0904	87-A30-699-040	C-TR,2SC5477-T22	a	b
MAIN C.B		S Q	0981	87-A30-494-080	TR,2SA1980G	a	b
MAIN C.B		S Q	0982	87-A30-076-080	C-TR,2SC3052F	a	b
MAIN C.B		S Q	0983	87-A30-076-080	C-TR,2SC3052F	a	b
MAIN C.B		X R	0001	88-100-000-010	PLATING-JW, 0.58 SN95	a	b
MAIN C.B		X R	0005	88-100-000-010	PLATING-JW, 0.58 SN95	a	b
MAIN C.B		O R	0009	88-108-223-080	C-RES,U 22K-1/16W J	a	b
MAIN C.B		O R	0010	88-108-223-080	C-RES,U 22K-1/16W J	a	b
MAIN C.B		X R	0011	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN C.B		X R	0012	88-118-472-080	C-RES,S 4.7K-1/10W J	a	b
MAIN C.B		X R	0013	88-118-472-080	C-RES,S 4.7K-1/10W J	a	b
MAIN C.B		X R	0014	88-118-100-080	C-RES,S 10-1/10W J	a	b
MAIN C.B		X R	0015	88-108-104-080	C-RES,U 100K-1/16W J	a	b
MAIN C.B		X R	0016	88-108-104-080	C-RES,U 100K-1/16W J	a	b
MAIN C.B		X R	0017	88-108-104-080	C-RES,U 100K-1/16W J	a	b
MAIN C.B		X R	0018	88-108-104-080	C-RES,U 100K-1/16W J	a	b
MAIN C.B		X R	0019	88-108-104-080	C-RES,U 100K-1/16W J	a	b

ELECTRICAL PARTS LIST -11/16

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UNIT-NAME		! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		X R	0020	88-129-000-080	C-JUMPER, 3216	a	b
MAIN C.B		X R	0024	88-118-103-080	C-RES,S 10K-1/10W J	a	b
MAIN C.B		X R	0026	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN C.B		X R	0027	88-118-000-080	C-JUMPER,S	a	b
MAIN C.B		X R	0028	88-108-221-080	C-RES,U 220-1/16W J	a	b
MAIN C.B		O R	0029	88-108-223-080	C-RES,U 22K-1/16W J	a	b
MAIN C.B		X R	0031	88-108-154-080	C-RES,U 150K-1/16W J	a	b
MAIN C.B		X R	0032	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN C.B		X R	0035	88-118-123-080	C-RES,S 12K-1/10W J	a	b
MAIN C.B		X R	0036	88-130-182-080	RES,1.8K-1/4W J	a	b
MAIN C.B		X R	0042	88-121-331-080	RES,330-1/8W J	a	b
MAIN C.B		X R	0043	88-121-331-080	RES,330-1/8W J	a	b
MAIN C.B		X R	0044	88-121-331-080	RES,330-1/8W J	a	b
MAIN C.B		X R	0045	88-121-331-080	RES,330-1/8W J	a	b
MAIN C.B		X R	0046	88-121-821-080	RES,820-1/8W J	a	b
MAIN C.B		O R	0052	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		X R	0056	88-108-680-080	C-RES,U 68-1/16W J	a	b
MAIN C.B		X R	0057	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN C.B		O R	0058	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		X R	0059	88-108-221-080	C-RES,U 220-1/16W J	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		X R	0060	88-108-471-080	C-RES,U 470-1/16W J	a	b
MAIN C.B		O R	0061	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		O R	0065	88-108-123-080	C-RES,U 12K-1/16W J	a	b
MAIN C.B		X R	0066	88-108-104-080	C-RES,U 100K-1/16W J	a	b
MAIN C.B		O R	0076	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		O R	0081	88-108-101-080	C-RES,U 100-1/16W J	a	b
MAIN C.B		X R	0091	88-130-471-080	RES,470-1/4W J	a	b
MAIN C.B		X R	0092	88-130-471-080	RES,470-1/4W J	a	b
MAIN C.B		X R	0103	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN C.B		X R	0104	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		X R	0105	88-108-273-080	C-RES,U 27K-1/16W J	a	b
MAIN C.B		X R	0106	88-108-273-080	C-RES,U 27K-1/16W J	a	b
MAIN C.B		O R	0107	88-108-101-080	C-RES,U 100-1/16W J	a	b
MAIN C.B		O R	0108	88-108-101-080	C-RES,U 100-1/16W J	a	b
MAIN C.B		X R	0111	88-118-102-080	C-RES,S 1K-1/10W J	a	b
MAIN C.B		X R	0112	88-118-102-080	C-RES,S 1K-1/10W J	a	b
MAIN C.B		X R	0113	88-118-273-080	C-RES,S 27K-1/10W J	a	b
MAIN C.B		X R	0114	88-118-273-080	C-RES,S 27K-1/10W J	a	b
MAIN C.B		X R	0117	88-128-103-080	C-RES, 10K-1/8W J	a	b
MAIN C.B		X R	0118	88-128-103-080	C-RES, 10K-1/8W J	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		X R	0119	88-118-101-080	C-RES,S 100-1/10W J	a	b
MAIN C.B		X R	0120	88-118-101-080	C-RES,S 100-1/10W J	a	b
MAIN C.B		X R	0121	88-118-101-080	C-RES,S 100-1/10W J	a	b
MAIN C.B		X R	0122	88-118-101-080	C-RES,S 100-1/10W J	a	b
MAIN C.B		X R	0123	88-128-102-080	C-RES, 1K-1/8W J	a	b
MAIN C.B		X R	0124	88-128-102-080	C-RES, 1K-1/8W J	a	b
MAIN C.B		X R	0125	88-128-102-080	C-RES, 1K-1/8W J	a	b
MAIN C.B		X R	0126	88-128-102-080	C-RES, 1K-1/8W J	a	b
MAIN C.B		X R	0127	88-118-390-080	C-RES,S 39-1/10W J	a	b
MAIN C.B		X R	0128	88-118-390-080	C-RES,S 39-1/10W J	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		X R	0129	88-128-109-080	C-RES, 1-1/8W J	a	b
MAIN C.B		X R	0130	88-128-109-080	C-RES, 1-1/8W J	a	b
MAIN C.B		X R	0131	88-128-109-080	C-RES, 1-1/8W J	a	b
MAIN C.B		X R	0132	88-128-109-080	C-RES, 1-1/8W J	a	b
MAIN C.B		X R	0133	88-108-122-080	C-RES,U 1.2K-1/16W J	a	b
MAIN C.B		X R	0134	88-108-122-080	C-RES,U 1.2K-1/16W J	a	b
MAIN C.B		X R	0135	88-108-182-080	C-RES,U 1.8K-1/16W J	a	b
MAIN C.B		X R	0136	88-108-182-080	C-RES,U 1.8K-1/16W J	a	b
MAIN C.B		O R	0137	88-108-101-080	C-RES,U 100-1/16W J	a	b
MAIN C.B		O R	0138	88-108-101-080	C-RES,U 100-1/16W J	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		O R	0139	88-108-562-080	C-RES,U 5.6K-1/16W J	a	b
MAIN C.B		O R	0140	88-108-562-080	C-RES,U 5.6K-1/16W J	a	b
MAIN C.B		X R	0141	88-118-102-080	C-RES,S 1K-1/10W J	a	b
MAIN C.B		X R	0142	88-118-102-080	C-RES,S 1K-1/10W J	a	b
MAIN C.B		X R	0143	88-128-109-080	C-RES, 1-1/8W J	a	b
MAIN C.B		X R	0144	88-128-109-080	C-RES, 1-1/8W J	a	b
MAIN C.B		X R	0145	88-128-109-080	C-RES, 1-1/8W J	a	b
MAIN C.B		X R	0146	88-128-109-080	C-RES, 1-1/8W J	a	b
MAIN C.B		X R	0157	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN C.B		X R	0158	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		O R	0159	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		X R	0160	88-118-103-080	C-RES,S 10K-1/10W J	a	b
MAIN C.B		X R	0165	88-118-152-080	C-RES,S 1.5K-1/10W J	a	b
MAIN C.B		X R	0166	88-118-152-080	C-RES,S 1.5K-1/10W J	a	b
MAIN C.B		O R	0167	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		X R	0168	88-118-473-080	C-RES,S 47K-1/10W J	a	b
MAIN C.B		X R	0171	88-118-222-080	C-RES,S 2.2K-1/10W J	a	b
MAIN C.B		X R	0172	88-118-222-080	C-RES,S 2.2K-1/10W J	a	b
MAIN C.B		X R	0173	88-118-182-080	C-RES,S 1.8K-1/10W J	a	b
MAIN C.B		X R	0174	88-118-182-080	C-RES,S 1.8K-1/10W J	a	b

ELECTRICAL PARTS LIST -12/16

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						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		X R	0175	88-118-331-080	C-RES,S 330-1/10W J	a	b
MAIN C.B		X R	0176	88-118-331-080	C-RES,S 330-1/10W J	a	b
MAIN C.B		X R	0178	88-118-103-080	C-RES,S 10K-1/10W J	a	b
MAIN C.B		O R	0179	88-108-473-080	C-RES,U 47K-1/16W J	a	b
MAIN C.B		O R	0180	88-108-473-080	C-RES,U 47K-1/16W J	a	b
MAIN C.B		X R	0181	88-108-392-080	C-RES,U 3.9K-1/16W J	a	b
MAIN C.B		X R	0182	88-108-392-080	C-RES,U 3.9K-1/16W J	a	b
MAIN C.B		X R	0183	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b
MAIN C.B		X R	0184	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b
MAIN C.B		X R	0185	88-108-683-080	C-RES,U 68K-1/16W J	a	b
MAIN C.B		X R	0186	88-108-105-080	C-RES,U 1M-1/16W J	a	b
MAIN C.B		X R	0187	88-108-000-080	C- JUMPER,U	a	b
MAIN C.B		X R	0247	88-130-100-080	RES,10-1/4W J	a	b
MAIN C.B		X R	0248	88-130-100-080	RES,10-1/4W J	a	b
MAIN C.B		X R	0249	88-128-100-080	C-RES, 10-1/8W J	a	b
MAIN C.B		X R	0250	88-128-100-080	C-RES, 10-1/8W J	a	b
MAIN C.B		X R	0280	88-118-473-080	C-RES,S 47K-1/10W J	a	b
MAIN C.B		X R	0281	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b
MAIN C.B		X R	0282	88-118-103-080	C-RES,S 10K-1/10W J	a	b
MAIN C.B		X R	0283	88-118-224-080	C-RES,S 220K-1/10W J	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		X R	0284	88-118-224-080	C-RES,S 220K-1/10W J	a	b
MAIN C.B		X R	0285	88-118-333-080	C-RES,S 33K-1/10W J	a	b
MAIN C.B		X R	0286	88-118-473-080	C-RES,S 47K-1/10W J	a	b
MAIN C.B		X R	0287	88-118-473-080	C-RES,S 47K-1/10W J	a	b
MAIN C.B		X R	0301	88-108-393-080	C-RES,U 39K-1/16W J	a	b
MAIN C.B		X R	0302	88-108-393-080	C-RES,U 39K-1/16W J	a	b
MAIN C.B		O R	0303	88-108-823-080	C-RES,U 82K-1/16W J	a	b
MAIN C.B		O R	0304	88-108-823-080	C-RES,U 82K-1/16W J	a	b
MAIN C.B		O R	0305	88-108-224-080	C-RES,U 220K-1/16W J	a	b
MAIN C.B		X R	0451	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b
MAIN C.B		X R	0453	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN C.B		X R	0454	88-121-829-080	RES,8.2-1/8W J	a	b
MAIN C.B		X R	0455	88-108-183-080	C-RES,U 18K-1/16W J	a	b
MAIN C.B		X R	0456	88-108-183-080	C-RES,U 18K-1/16W J	a	b
MAIN C.B		X R	0457	88-108-104-080	C-RES,U 100K-1/16W J	a	b
MAIN C.B		O R	0458	88-108-563-080	C-RES,U 56K-1/16W J	a	b
MAIN C.B		X R	0459	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN C.B		X R	0469	88-108-150-080	C-RES,U 15-1/16W J	a	b
MAIN C.B		X R	0601	88-108-820-080	C-RES,U 82-1/16W J	a	b
MAIN C.B		X R	0602	88-108-820-080	C-RES,U 82-1/16W J	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		X R	0603	88-108-394-080	C-RES,U 390K-1/16W J	a	b
MAIN C.B		X R	0604	88-108-394-080	C-RES,U 390K-1/16W J	a	b
MAIN C.B		X R	0605	88-108-122-080	C-RES,U 1.2K-1/16W J	a	b
MAIN C.B		X R	0606	88-108-122-080	C-RES,U 1.2K-1/16W J	a	b
MAIN C.B		X R	0607	88-108-183-080	C-RES,U 18K-1/16W J	a	b
MAIN C.B		X R	0608	88-108-183-080	C-RES,U 18K-1/16W J	a	b
MAIN C.B		X R	0613	88-108-273-080	C-RES,U 27K-1/16W J	a	b
MAIN C.B		X R	0614	88-108-273-080	C-RES,U 27K-1/16W J	a	b
MAIN C.B		O R	0615	88-108-153-080	C-RES,U 15K-1/16W J	a	b
MAIN C.B		O R	0616	88-108-153-080	C-RES,U 15K-1/16W J	a	b
MAIN C.B		O R	0617	88-108-153-080	C-RES,U 15K-1/16W J	a	b
MAIN C.B		O R	0619	88-108-153-080	C-RES,U 15K-1/16W J	a	b
MAIN C.B		O R	0621	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
MAIN C.B		O R	0622	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
MAIN C.B		X R	0623	88-108-182-080	C-RES,U 1.8K-1/16W J	a	b
MAIN C.B		X R	0624	88-108-182-080	C-RES,U 1.8K-1/16W J	a	b
MAIN C.B		X R	0625	88-108-682-080	C-RES,U 6.8K-1/16W J	a	b
MAIN C.B		X R	0626	88-108-682-080	C-RES,U 6.8K-1/16W J	a	b
MAIN C.B		X R	0627	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b
MAIN C.B		X R	0628	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		O R	0629	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		O R	0630	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		X R	0631	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b
MAIN C.B		X R	0632	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b
MAIN C.B		X R	0633	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b
MAIN C.B		X R	0634	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b
MAIN C.B		O R	0635	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MAIN C.B		O R	0636	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MAIN C.B		O R	0637	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MAIN C.B		O R	0638	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MAIN C.B		X R	0639	88-108-183-080	C-RES,U 18K-1/16W J	a	b
MAIN C.B		X R	0640	88-108-183-080	C-RES,U 18K-1/16W J	a	b
MAIN C.B		X R	0641	88-121-223-080	RES,22K-1/8W J	a	b
MAIN C.B		X R	0642	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b
MAIN C.B		X R	0643	88-108-104-080	C-RES,U 100K-1/16W J	a	b
MAIN C.B		X R	0644	88-108-104-080	C-RES,U 100K-1/16W J	a	b
MAIN C.B		X R	0645	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN C.B		X R	0646	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN C.B		O R	0649	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
MAIN C.B		O R	0650	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b

ELECTRICAL PARTS LIST -13/16

! = ⚠ 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	
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		O R	0651	88-108-101-080	C-RES,U 100-1/16W J	a	b
MAIN C.B		O R	0652	88-108-101-080	C-RES,U 100-1/16W J	a	b
MAIN C.B		X R	0656	88-121-394-080	RES,390K-1/8W J	a	b
MAIN C.B		X R	0657	88-108-274-080	C-RES,U 270K-1/16W J	a	b
MAIN C.B		X R	0658	88-108-274-080	C-RES,U 270K-1/16W J	a	b
MAIN C.B		X R	0659	88-108-394-080	C-RES,U 390K-1/16W J	a	b
MAIN C.B		X R	0660	88-108-274-080	C-RES,U 270K-1/16W J	a	b
MAIN C.B		X R	0661	88-108-392-080	C-RES,U 3.9K-1/16W J	a	b
MAIN C.B		X R	0662	88-108-392-080	C-RES,U 3.9K-1/16W J	a	b
MAIN C.B		O R	0669	88-108-223-080	C-RES,U 22K-1/16W J	a	b
MAIN C.B		O R	0670	88-108-223-080	C-RES,U 22K-1/16W J	a	b
MAIN C.B		O R	0672	88-108-223-080	C-RES,U 22K-1/16W J	a	b
MAIN C.B		X R	0673	88-108-392-080	C-RES,U 3.9K-1/16W J	a	b
MAIN C.B		X R	0674	88-108-273-080	C-RES,U 27K-1/16W J	a	b
MAIN C.B		O R	0676	88-108-563-080	C-RES,U 56K-1/16W J	a	b
MAIN C.B		O R	0677	88-108-223-080	C-RES,U 22K-1/16W J	a	b
MAIN C.B		O R	0678	88-108-223-080	C-RES,U 22K-1/16W J	a	b
MAIN C.B		X R	0789	88-108-273-080	C-RES,U 27K-1/16W J	a	b
MAIN C.B		O R	0790	87-012-286-080	C-CAP,U 0.01-25 K B GRM	a	b
MAIN C.B		O R	0791	88-108-102-080	C-RES,U 1K-1/16W J	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		X R	0793	88-108-000-080	C-JUMPER,U	a	b
MAIN C.B		X R	0795	88-108-000-080	C-JUMPER,U	a	b
MAIN C.B		O R	0801	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		O R	0802	88-108-223-080	C-RES,U 22K-1/16W J	a	b
MAIN C.B		X R	0803	88-128-183-080	C-RES, 18K-1/8W J	a	b
MAIN C.B		X R	0804	88-108-000-080	C-JUMPER,U	a	b
MAIN C.B		O R	0805	88-108-332-080	C-RES,U 3.3K-1/16W J	a	b
MAIN C.B		X R	0806	88-108-682-080	C-RES,U 6.8K-1/16W J	a	b
MAIN C.B		O R	0809	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MAIN C.B		O R	0810	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MAIN C.B		X R	0811	88-108-000-080	C-JUMPER,U	a	b
MAIN C.B		X R	0812	88-108-000-080	C-JUMPER,U	a	b
MAIN C.B		O R	0813	88-108-224-080	C-RES,U 220K-1/16W J	a	b
MAIN C.B		X R	0814	88-108-105-080	C-RES,U 1M-1/16W J	a	b
MAIN C.B		X R	0815	88-121-682-080	RES,6.8K-1/8W J	a	b
MAIN C.B		O R	0818	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		X R	0821	88-108-000-080	C-JUMPER,U	a	b
MAIN C.B		X R	0823	88-108-333-080	C-RES,U 33K-1/16W J	a	b
MAIN C.B		O R	0826	88-108-223-080	C-RES,U 22K-1/16W J	a	b
MAIN C.B		X R	0832	88-108-391-080	C-RES,U 390-1/16W J	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		X R	0840	88-108-221-080	C-RES,U 220-1/16W J	a	b
MAIN C.B		O R	0850	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		X R	0851	88-108-000-080	C-JUMPER,U	a	b
MAIN C.B		O R	0852	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		O R	0853	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MAIN C.B		X R	0854	88-108-331-080	C-RES,U 330-1/16W J	a	b
MAIN C.B		X R	0855	88-108-183-080	C-RES,U 18K-1/16W J	a	b
MAIN C.B		O R	0856	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		X R	0857	88-108-181-080	C-RES,U 180-1/16W J	a	b
MAIN C.B		O R	0858	88-108-101-080	C-RES,U 100-1/16W J	a	b
MAIN C.B		O R	0860	88-108-101-080	C-RES,U 100-1/16W J	a	b
MAIN C.B		X R	0903	88-108-221-080	C-RES,U 220-1/16W J	a	b
MAIN C.B		O R	0904	88-108-473-080	C-RES,U 47K-1/16W J	a	b
MAIN C.B		O R	0905	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MAIN C.B		X R	0906	88-108-564-080	C-RES,U 560K-1/16W J	a	b
MAIN C.B		X R	0908	88-108-000-080	C-JUMPER,U	a	b
MAIN C.B		X R	0911	88-108-121-080	C-RES,U 120-1/16W J	a	b
MAIN C.B		O R	0912	88-108-473-080	C-RES,U 47K-1/16W J	a	b
MAIN C.B		X R	0913	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MAIN C.B		X R	0914	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		X R	0918	88-108-000-080	C-JUMPER,U	a	b
MAIN C.B		X R	0945	88-108-104-080	C-RES,U 100K-1/16W J	a	b
MAIN C.B		X R	0962	88-121-102-080	RES,1K-1/8W J	a	b
MAIN C.B		X R	0963	88-108-330-080	C-RES,U 33-1/16W J	a	b
MAIN C.B		O R	0968	88-108-822-080	C-RES,U 8.2K-1/16W J	a	b
MAIN C.B		O R	0975	88-108-562-080	C-RES,U 5.6K-1/16W J	a	b
MAIN C.B		O R	0976	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MAIN C.B		O R	0977	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MAIN C.B		X R	0978	88-108-681-080	C-RES,U 680-1/16W J	a	b
MAIN C.B		O R	0979	88-108-123-080	C-RES,U 12K-1/16W J	a	b
MAIN C.B		X R	0980	88-108-684-080	C-RES,U 680K-1/16W J	a	b
MAIN C.B		X R	0981	88-121-471-080	RES,470-1/8W J	a	b
MAIN C.B		X R	0982	88-108-682-080	C-RES,U 6.8K-1/16W J	a	b
MAIN C.B		X R	0983	88-108-392-080	C-RES,U 3.9K-1/16W J	a	b
MAIN C.B		O R	0984	88-108-562-080	C-RES,U 5.6K-1/16W J	a	b
MAIN C.B		X R	0985	88-121-471-080	RES,470-1/8W J	a	b
MAIN C.B		X R	0986	88-121-221-080	RES,220-1/8W J	a	b
MAIN C.B		X R	0987	88-121-472-080	RES,4.7K-1/8W J	a	b
MAIN C.B		O R	0988	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		X R	0989	88-121-102-080	RES,1K-1/8W J	a	b

ELECTRICAL PARTS LIST -14/16

! =  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	
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		O R	0990	88-108-563-080	C-RES,U 56K-1/16W J	a	b
MAIN C.B		O R	0991	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
MAIN C.B		O R	0992	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		O R	0993	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
MAIN C.B		O R	0994	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		O R	0995	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
MAIN C.B		O R	0996	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		X R	0997	88-108-154-080	C-RES,U 150K-1/16W J	a	b
MAIN C.B		O R	0998	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MAIN C.B		O R	0999	88-108-103-080	C-RES,U 10K-1/16W J	a	b
MAIN C.B		O RY	0001	87-A91-339-010	RELAY,AC DC12V G5PA-2	a	b
MAIN C.B		O	SFR0451	87-024-435-080	SFR,33K H RH063MC	a	b
MAIN C.B		O	SFR0452	87-024-435-080	SFR,33K H RH063MC	a	b
MAIN C.B		X SH	0831	87-A90-023-010	SHLD-PLATE,ANT	a	b
MAIN C.B		X SH	0901	8B-ZA3-619-010	SHLD-CASE,BZA-3 EZ	a	b
MAIN C.B		O TH	0101	87-A91-042-080	C-THMS,100K 55001	a	b
MAIN C.B		O TH	0102	87-A91-042-080	C-THMS,100K 55001	a	b
MAIN C.B		O W	0101	8B-NF1-640-010	F-CABLE,5P 2.5 250MM	a	b
MAIN C.B		O WH	0001	87-A90-459-010	HLDR,WIRE 2.5-5P	a	b
MAIN C.B		O WH	0101	87-A90-459-010	HLDR,WIRE 2.5-5P	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MAIN C.B		O X	0992	87-A70-306-010	VIB,XTAL 4.500MHZ CSA-309ST	a	b
MIC C.B		O C	0401	87-012-282-080	C-CAP,U 4700P-50 K B GRM	a	b
MIC C.B		O C	0402	87-A10-918-040	CAP,E 100-16 SMG	a	.
MIC C.B		O C	0402	87-010-112-040	CAP,E 100-16 M 11L SME	.	b
MIC C.B		O C	0403	87-A12-084-040	CAP,E 0.22-50 SMG	a	.
MIC C.B		O C	0403	87-010-545-040	CAP,E 0.22-50 M 11L SME	.	b
MIC C.B		O C	0404	87-012-191-080	C-CAP,U 68P-50 J CH GRM	a	b
MIC C.B		O C	0405	87-A12-084-040	CAP,E 0.22-50 SMG	a	.
MIC C.B		O C	0405	87-010-545-040	CAP,E 0.22-50 M 11L SME	.	b
MIC C.B		O C	0406	87-A12-084-040	CAP,E 0.22-50 SMG	a	.
MIC C.B		O C	0406	87-010-545-040	CAP,E 0.22-50 M 11L SME	.	b
MIC C.B		O C	0407	87-A12-091-040	CAP,E 10-50 SMG	a	.
MIC C.B		O C	0407	87-010-405-040	CAP,E 10-50 M 11L SME	.	b
MIC C.B		O C	0408	87-012-195-080	C-CAP,U 100P-50 J CH GRM	a	b
MIC C.B		O C	0409	87-A12-065-040	CAP,E 33-16 SMG	a	.
MIC C.B		O C	0409	87-010-265-040	CAP,E 33-16 M 11L SME	.	b
MIC C.B		O C	0410	87-010-829-080	C-CAP,U 0.047-16 Z F CM/CB	a	b
MIC C.B		O C	0413	87-A10-978-080	C-CAP,U 820P-25 J CH	a	.
MIC C.B		O C	0413	87-010-177-080	C-CAP,S 820P-50 J SL C2012	.	b
MIC C.B		O FB	0401	87-008-372-080	FLTR,EMI BL01 RN1	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MIC C.B		O J	0401	87-A61-242-010	JACK,6.3 BLK MONO W/SW V KM	a	.
MIC C.B		O J	0401	87-A61-243-010	JACK,6.3 BLK MONO W/SW V MSC	.	b
MIC C.B		X JR	0402	88-108-000-080	C-JUMPER,U	a	b
MIC C.B		X JR	0403	88-108-000-080	C-JUMPER,U	a	b
MIC C.B		X JR	0404	88-108-000-080	C-JUMPER,U	a	b
MIC C.B		X JR	0405	88-108-000-080	C-JUMPER,U	a	b
MIC C.B		S Q	0401	87-A30-076-080	C-TR,2SC3052F	a	b
MIC C.B		S Q	0402	87-A30-075-080	C-TR,2SA1235F	a	b
MIC C.B		S Q	0403	87-A30-076-080	C-TR,2SC3052F	a	b
MIC C.B		S Q	0404	87-A30-075-080	C-TR,2SA1235F	a	b
MIC C.B		S Q	0405	87-A30-087-080	C-FET,2SK2158	a	b
MIC C.B		S Q	0406	87-A30-076-080	C-TR,2SC3052F	a	b
MIC C.B		X R	0401	88-108-472-080	C-RES,U 4.7K-1/16W J	a	b
MIC C.B		X R	0402	88-108-104-080	C-RES,U 100K-1/16W J	a	b
MIC C.B		X R	0403	88-128-101-080	C-RES, 100-1/8W J	a	b
MIC C.B		X R	0404	88-108-222-080	C-RES,U 2.2K-1/16W J	a	b
MIC C.B		O R	0405	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MIC C.B		X R	0406	88-108-334-080	C-RES,U 330K-1/16W J	a	b
MIC C.B		X R	0407	88-108-333-080	C-RES,U 33K-1/16W J	a	b
MIC C.B		O R	0408	88-108-562-080	C-RES,U 5.6K-1/16W J	a	b
						CX-SNRV15 HRSM	CX-SNRV15 HTSC1
MIC C.B		O R	0409	88-108-101-080	C-RES,U 100-1/16W J	a	b
MIC C.B		O R	0410	88-108-153-080	C-RES,U 15K-1/16W J	a	b
MIC C.B		X R	0411	88-108-561-080	C-RES,U 560-1/16W J	a	b
MIC C.B		X R	0412	88-108-274-080	C-RES,U 270K-1/16W J	a	b
MIC C.B		O R	0413	88-108-223-080	C-RES,U 22K-1/16W J	a	b
MIC C.B		O R	0414	88-108-102-080	C-RES,U 1K-1/16W J	a	b
MIC C.B		X R	0415	88-108-000-080	C-JUMPER,U	a	b
MIC C.B		O R	0416	88-108-224-080	C-RES,U 220K-1/16W J	a	b
MIC C.B		X R	0417	88-108-334-080	C-RES,U 330K-1/16W J	a	b
MIC C.B		X R	0418	88-108-154-080	C-RES,U 150K-1/16W J	a	b
MIC C.B		O VR	0401	86-NFA-607-010	VR,RTRY 10K15AX1 1 V XV0121PVN	a	b
PT C.B		O C	0091	87-010-831-080	C-CAP,U 0.1-16 Z F GRM	a	b
PT C.B		! S F	0090	87-A91-213-010	FUSE,1.25A 250V T 50T	.	b
PT C.B		! O FC	0091	87-A90-160-080	FUSE CLAMP,FC 51F	.	b
PT C.B		! O FC	0092	87-A90-160-080	FUSE CLAMP,FC 51F	.	b
PT C.B		! O PT	0001	8C-NHA-601-010	PT,HR/HT CNH-A	a	b
PT C.B		! O S	0001	87-A90-165-010	SW,SL 1-2-3 SWS2301	.	b
PT C.B		! O S	0002	87-A90-234-010	SW,SL 1-2-2 SWS2201	a	.
PT C.B		! O T	0001	87-A60-317-010	TERMINAL, 1P MSC	a	b
PT C.B		! O T	0002	87-A60-317-010	TERMINAL, 1P MSC	a	b

ELECTRICAL PARTS LIST -15/16

! = ⚠ 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.

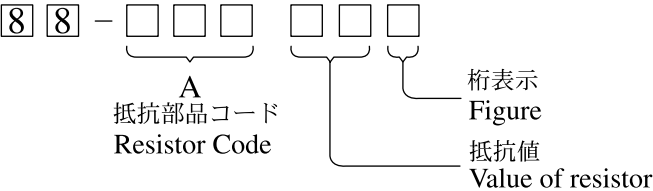
UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
					CX-SNRV15 HRSM	CX-SNRV15 HTSC1
PT C.B	!	O W	0001 87-A80-157-010	AC CORD ASSY,E BLK CC	a	.
PT C.B	!	O W	0001 87-A80-092-010	AC CORD ASSY,E BLK SUN FAI	.	b
PT C.B		O W	0099 8C-NFA-605-010	F-CABLE, 5P 2.5 480MM	a	b
PT C.B		O WH	0002 87-A90-459-010	HLDR,WIRE 2.5-5P	a	b
VF C.B		O C	0681 87-A10-504-080	C-CAP,U 0.047-16 K B	a	b
VF C.B		O C	0682 87-010-787-080	C-CAP,U 0.022-25 K B GRM	a	b
VF C.B		O C	0683 87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
VF C.B		O C	0685 87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
VF C.B		O C	0687 87-A11-058-080	C-CAP,U 0.22-10 K B	a	b
VF C.B		O C	0688 87-A11-058-080	C-CAP,U 0.22-10 K B	a	b
VF C.B		O C	0689 87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
VF C.B		O C	0690 87-010-759-080	C-CAP,U 0.1-25 Z F CM/CB	a	b
VF C.B		O CN	0681 87-A61-747-010	CONN,8P H GRY TUC-P08X-C1	a	b
VF C.B		S IC	0681 87-A21-419-040	C-IC,NJM14558MD-TE2	a	b
VF C.B		S IC	0682 87-017-726-040	C-IC,BU4052BCF	a	b
VF C.B		O R	0681 88-108-473-080	C-RES,U 47K-1/16W J	a	b
VF C.B		O R	0682 88-108-473-080	C-RES,U 47K-1/16W J	a	b
VF C.B		O R	0683 88-108-223-080	C-RES,U 22K-1/16W J	a	b
VF C.B		O R	0684 88-108-223-080	C-RES,U 22K-1/16W J	a	b
VF C.B		O R	0685 88-108-223-080	C-RES,U 22K-1/16W J	a	b
					CX-SNRV15 HRSM	CX-SNRV15 HTSC1
VF C.B		O R	0686 88-108-223-080	C-RES,U 22K-1/16W J	a	b
VF C.B		O R	0687 88-108-223-080	C-RES,U 22K-1/16W J	a	b
VF C.B		O R	0688 88-108-223-080	C-RES,U 22K-1/16W J	a	b
VF C.B		O R	0689 88-108-223-080	C-RES,U 22K-1/16W J	a	b
VF C.B		O R	0690 88-108-103-080	C-RES,U 10K-1/16W J	a	b
VF C.B		X R	0691 88-108-105-080	C-RES,U 1M-1/16W J	a	b
VF C.B		X R	0692 88-108-105-080	C-RES,U 1M-1/16W J	a	b

- 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

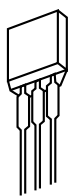
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード : A Resistor Code : A
				外形／Form	L	W	t	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION-1/1



B C E

2SA1980G
2SC5343



E C B

2SA1585SR



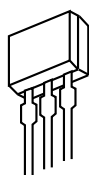
E C B

2SC3331(T/U)



E C B

2SA1981Y



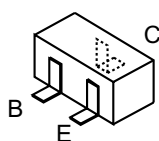
S D G

2SK2541
2SJ460



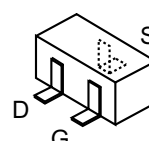
G D S

2SB1342
2SB1370
2SD1933
2SC5477

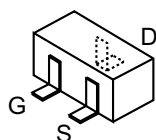


SRA2202S
2SA1235F
2SC2620B

2SC3052F
2SC5345SF
2SD1306E

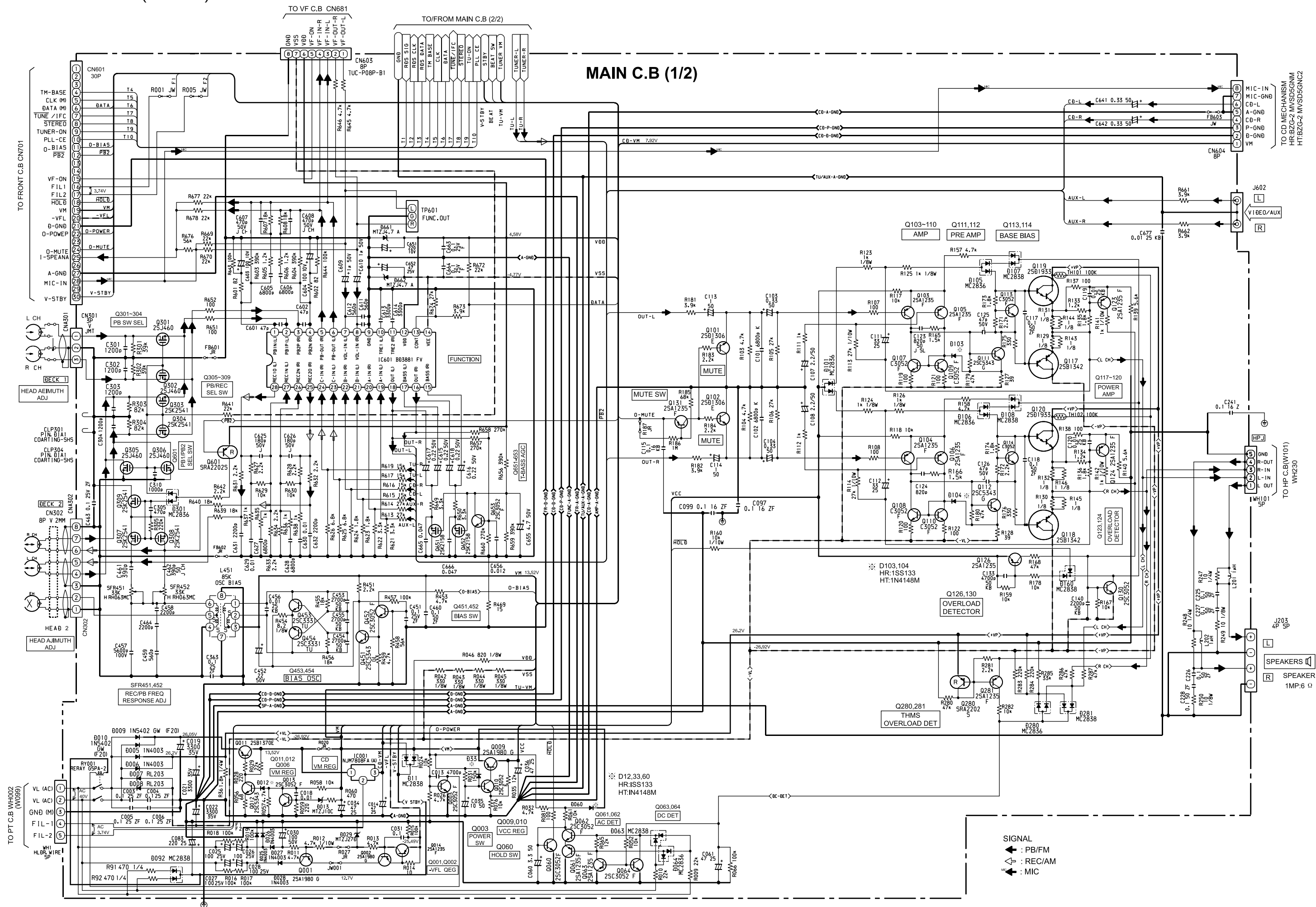


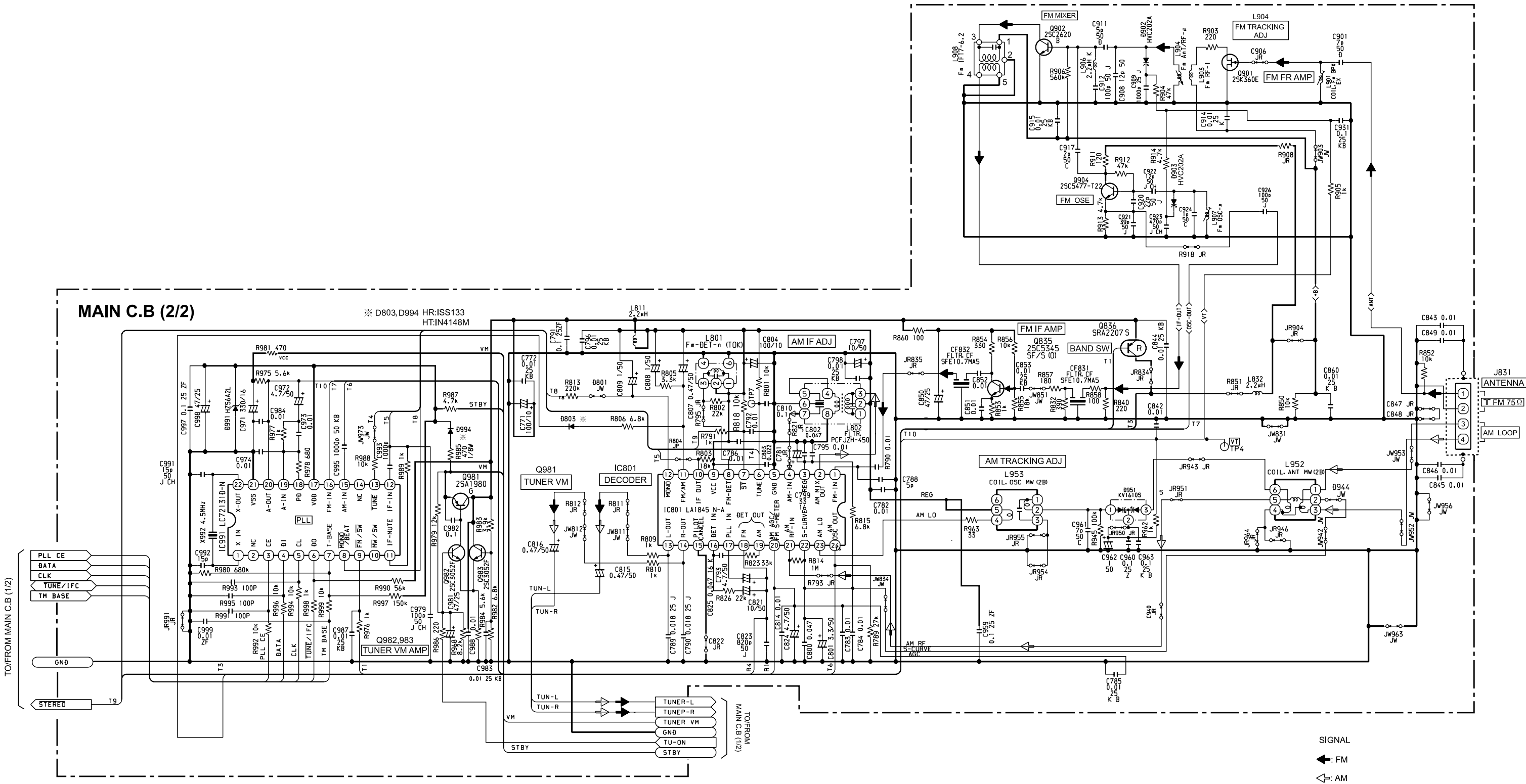
2SK360E



2SK2158

SCHEMATIC DIAGRAM-1/6 (MAIN 1/2)





32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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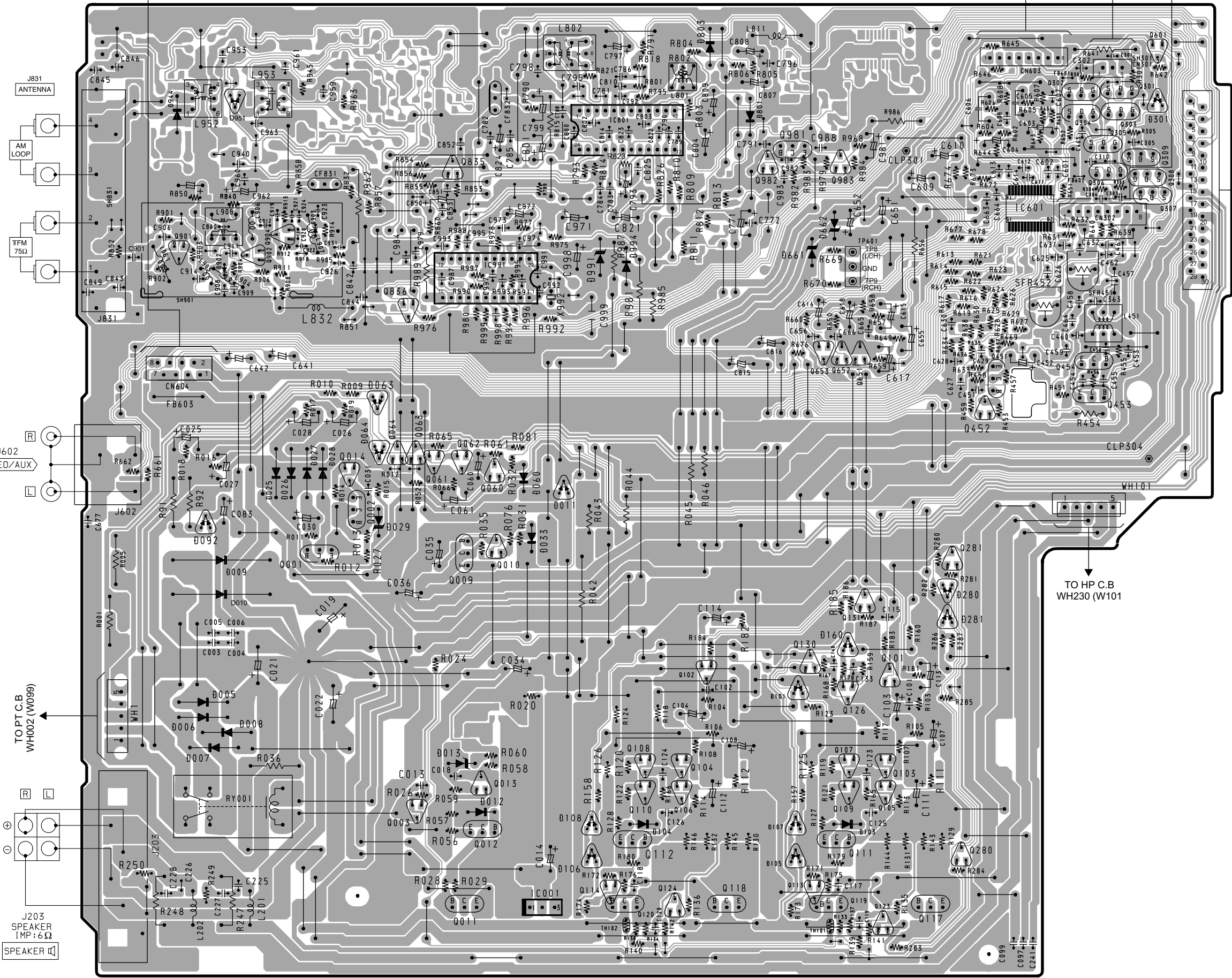
MAIN C.B

TO CD MECHANISM
HR : BZG2 MVSD5GNM
HT : BZG2 MVSD5GNC2

TO VF C.B CN681
TO TAPE MECHANISM
CMAT6Z2(1+1)ALPS

TO FRONT C.B CN701

TO HP C.B
WH230 (W101)



J831
ANTENNA

AM
LOOP

YFM
75Ω

J602
VIDEO/AUX

TO PT C.B
WH002 (W099)

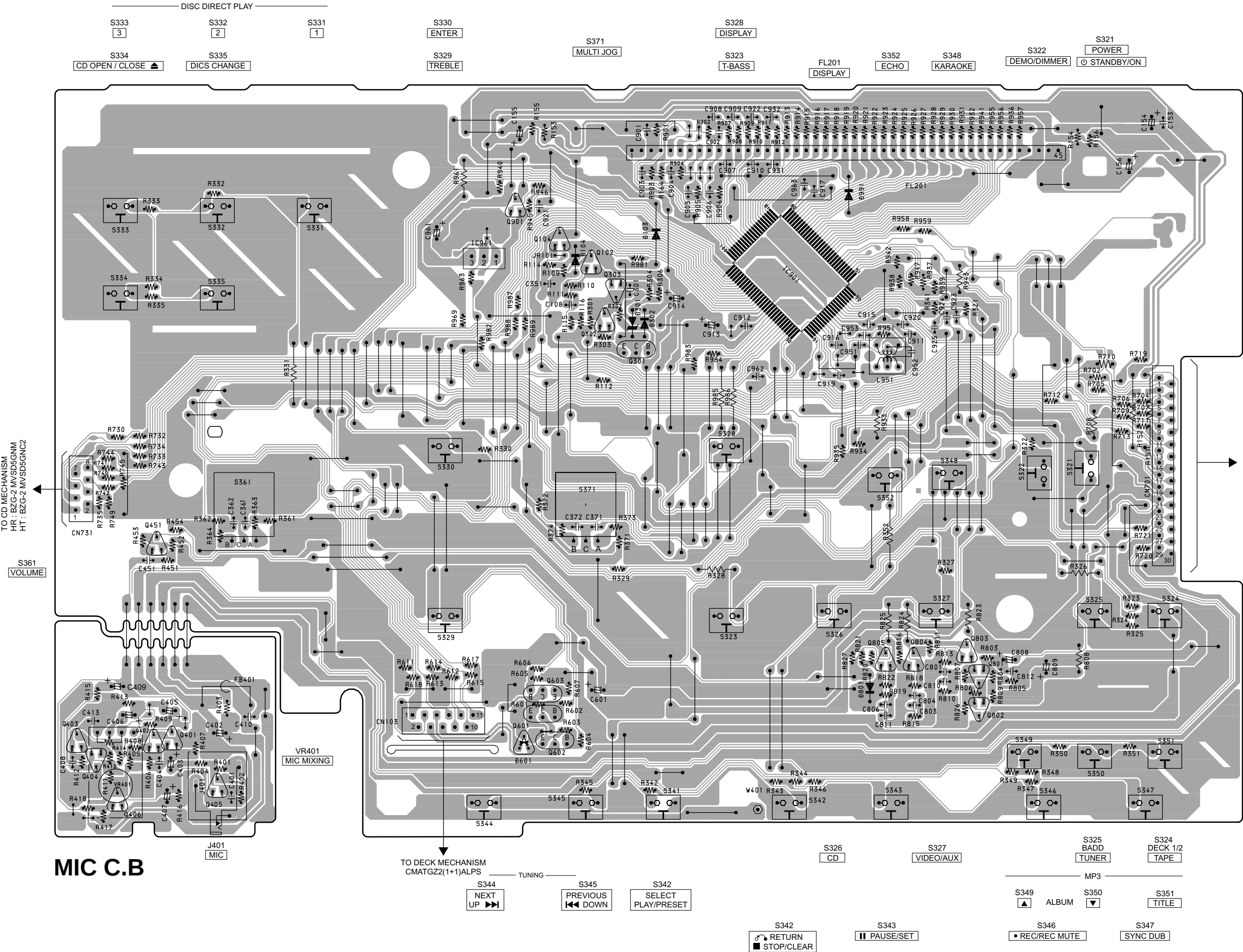
J203
SPEAKER
IMP: 6Ω

SPEAKER

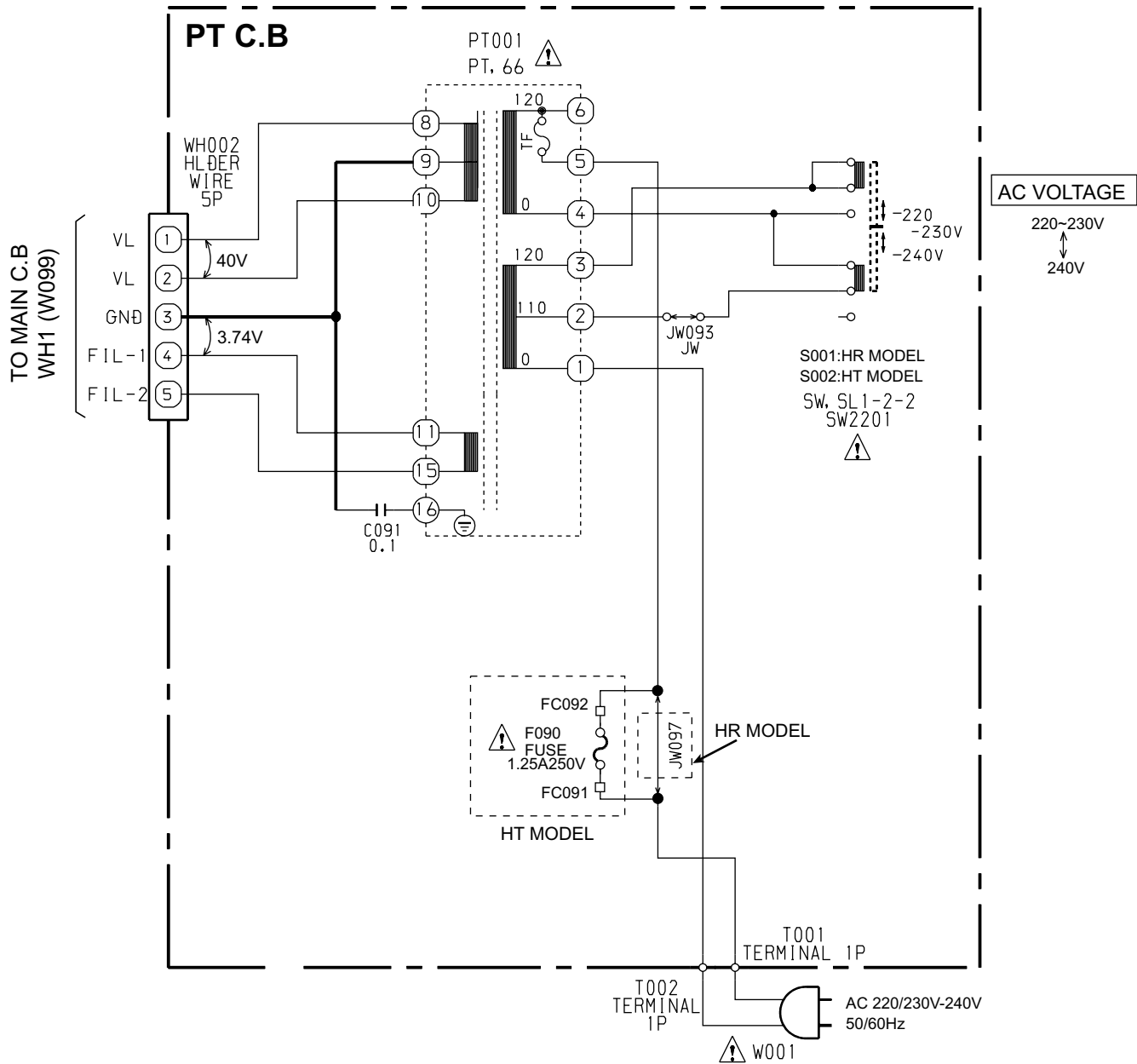
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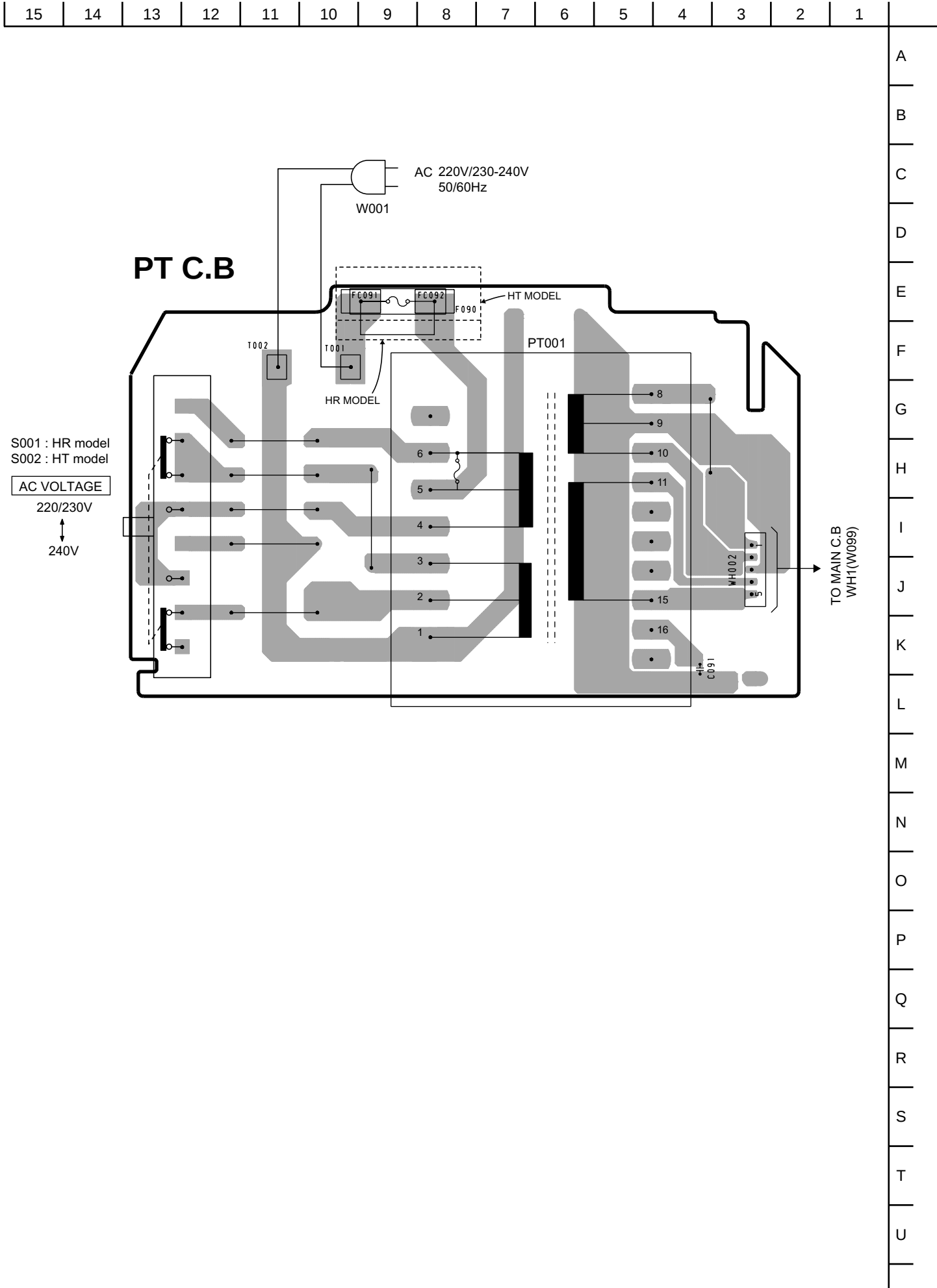
FRONT C.B

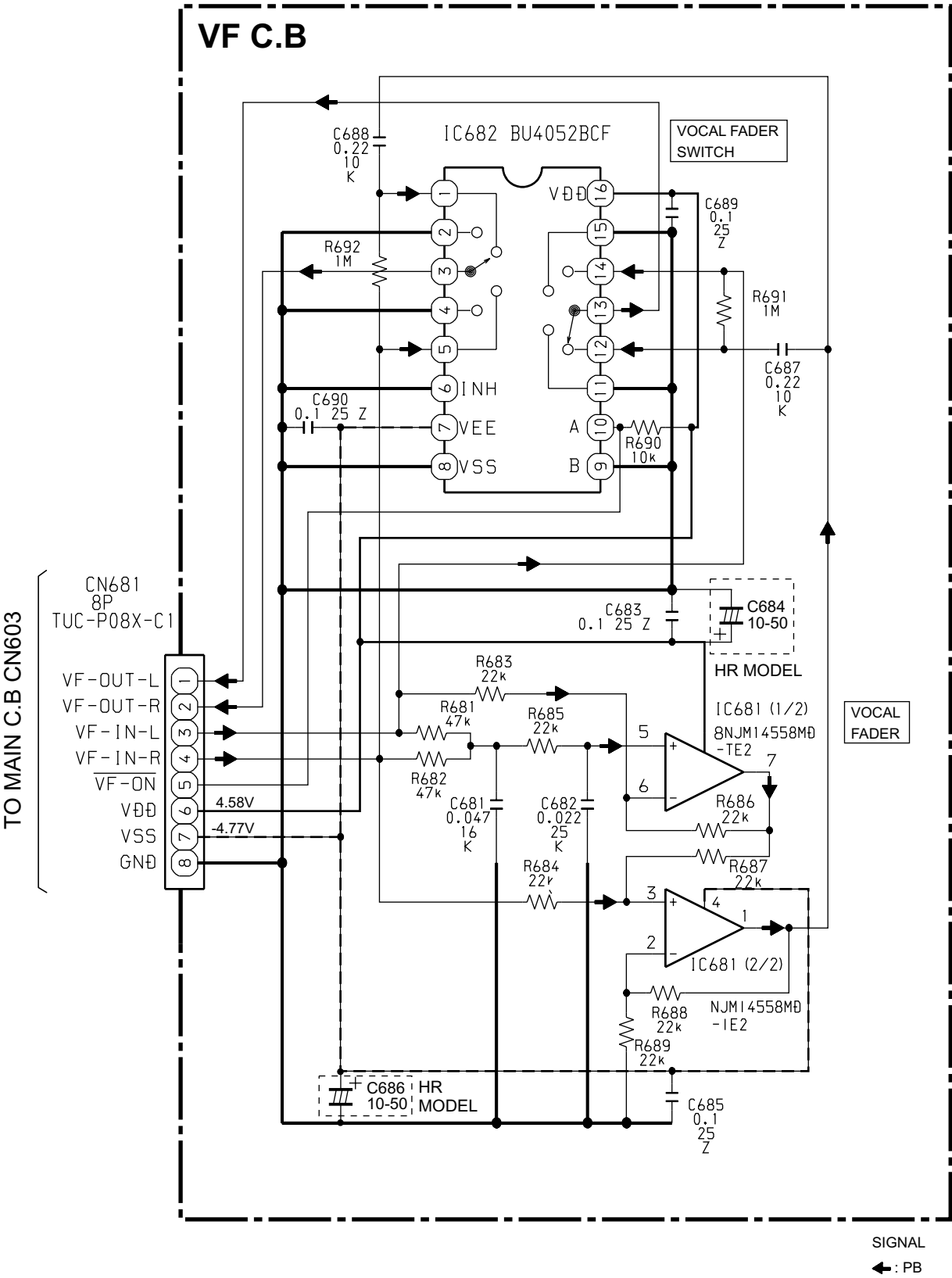


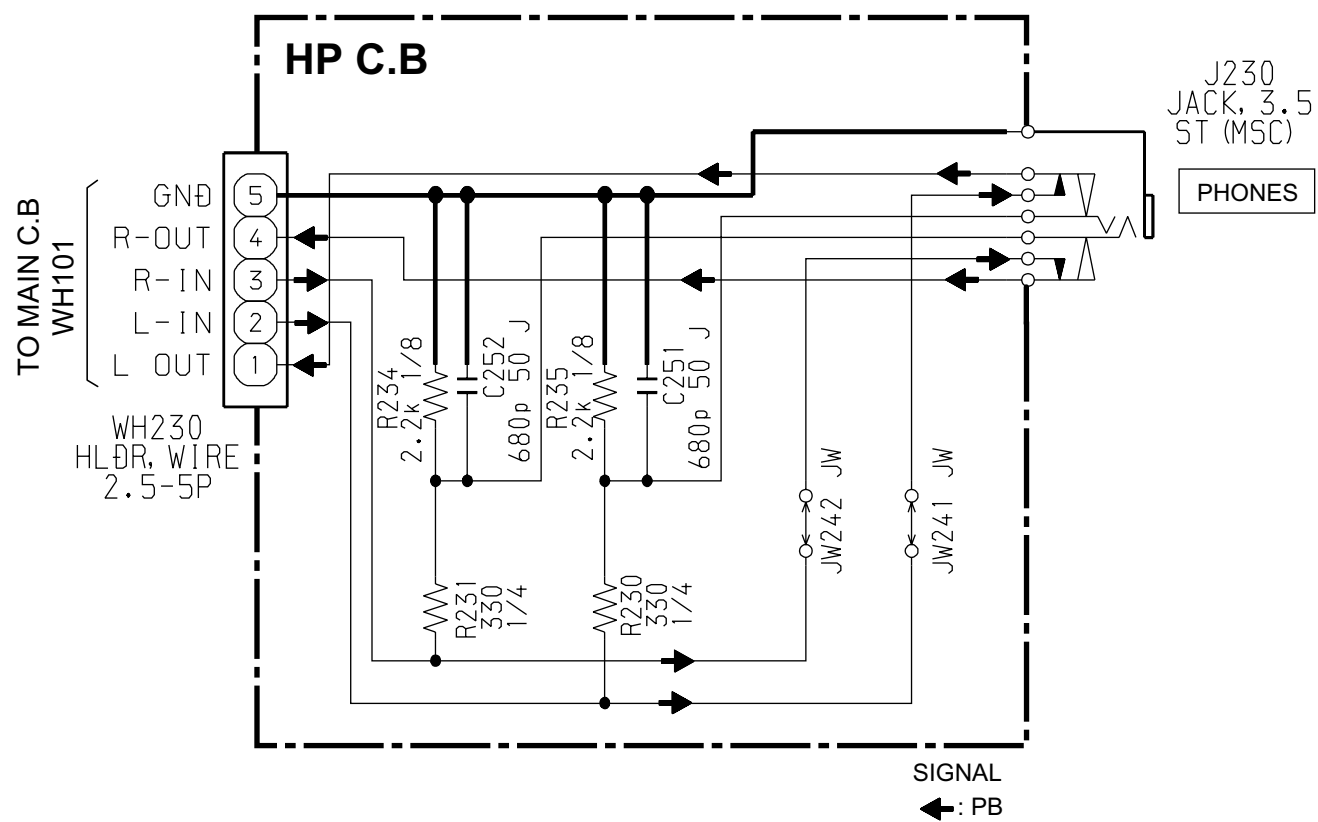
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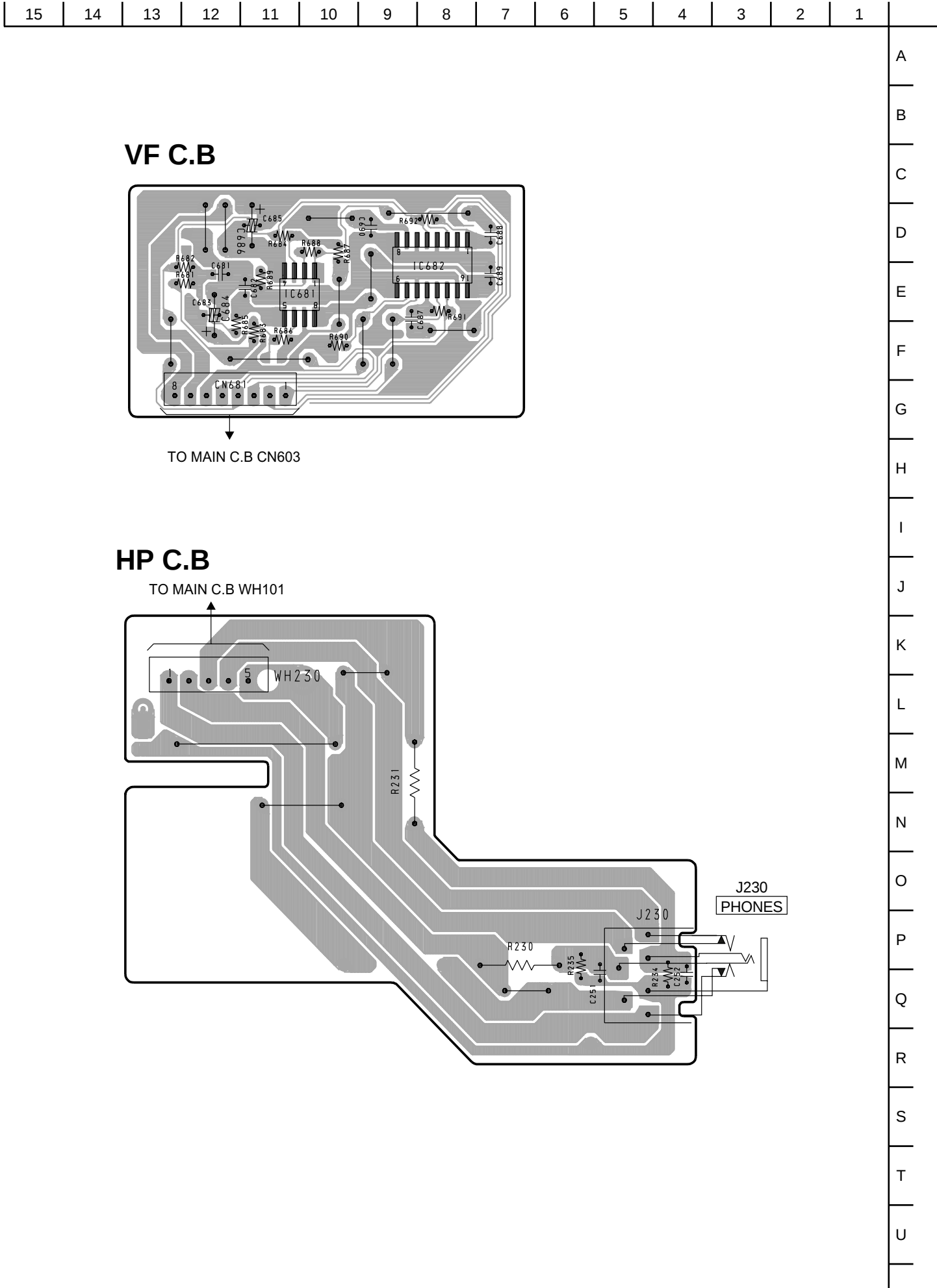


WIRING-3/5(PT)



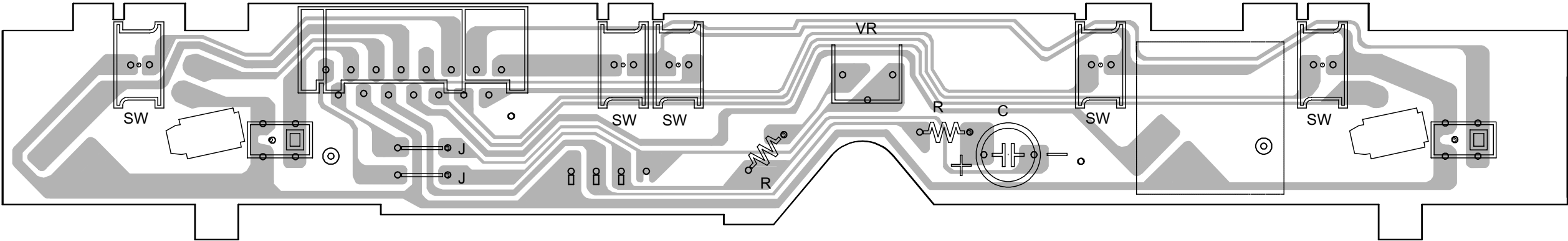




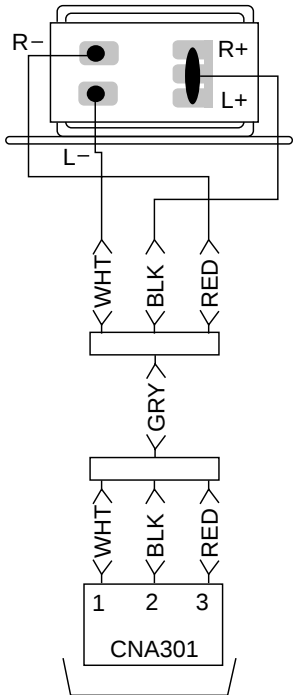


	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
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DECK C.B

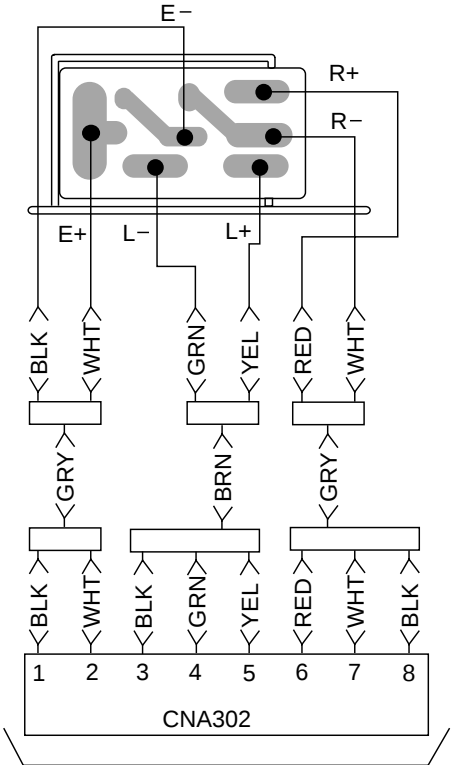


DECK 1
P HEAD



TO MAIN C.B
CN301

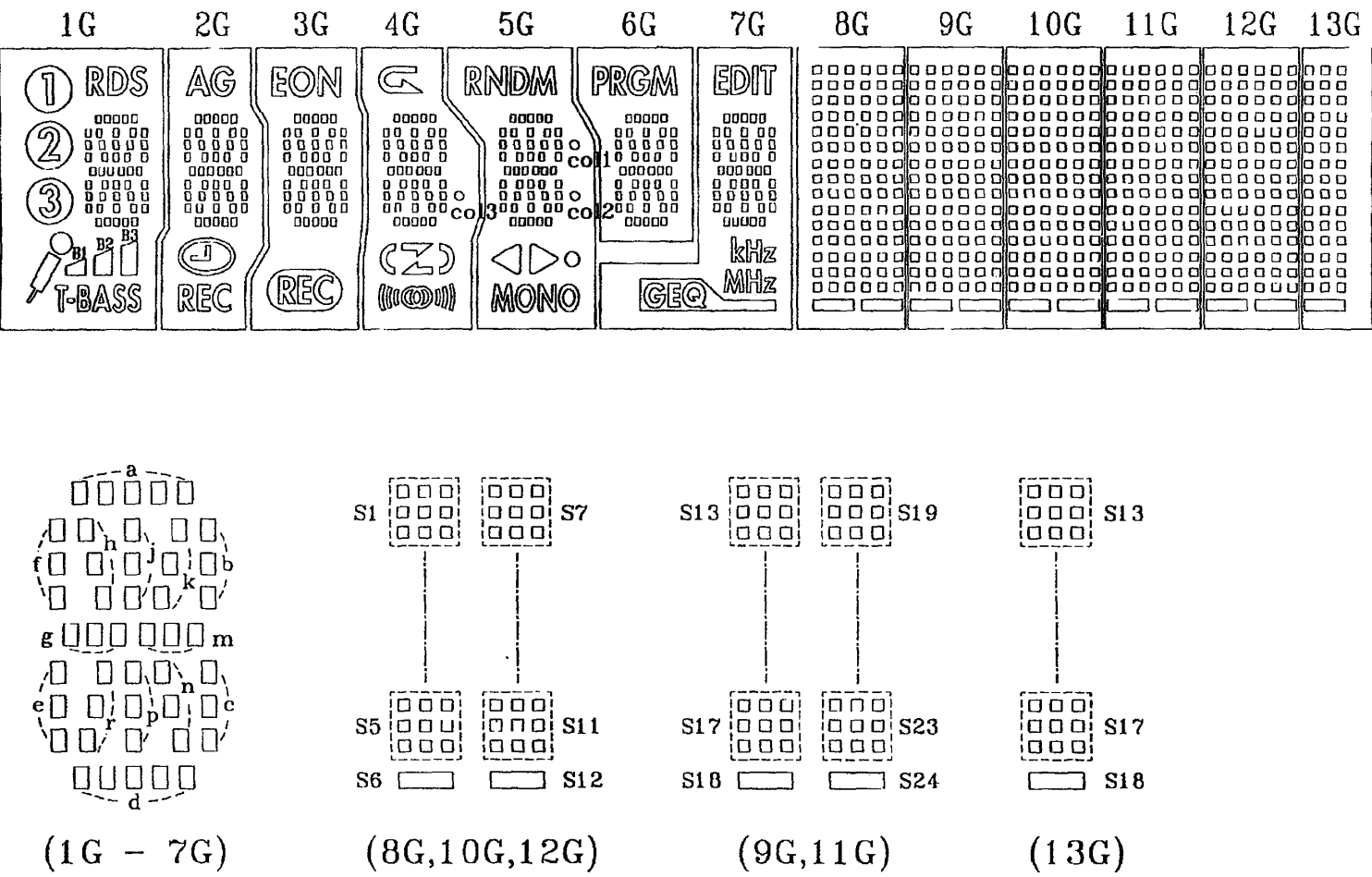
DECK 2
E / RP HEAD



TO MAIN C.B
CN302

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GRIDASSIGNMENT

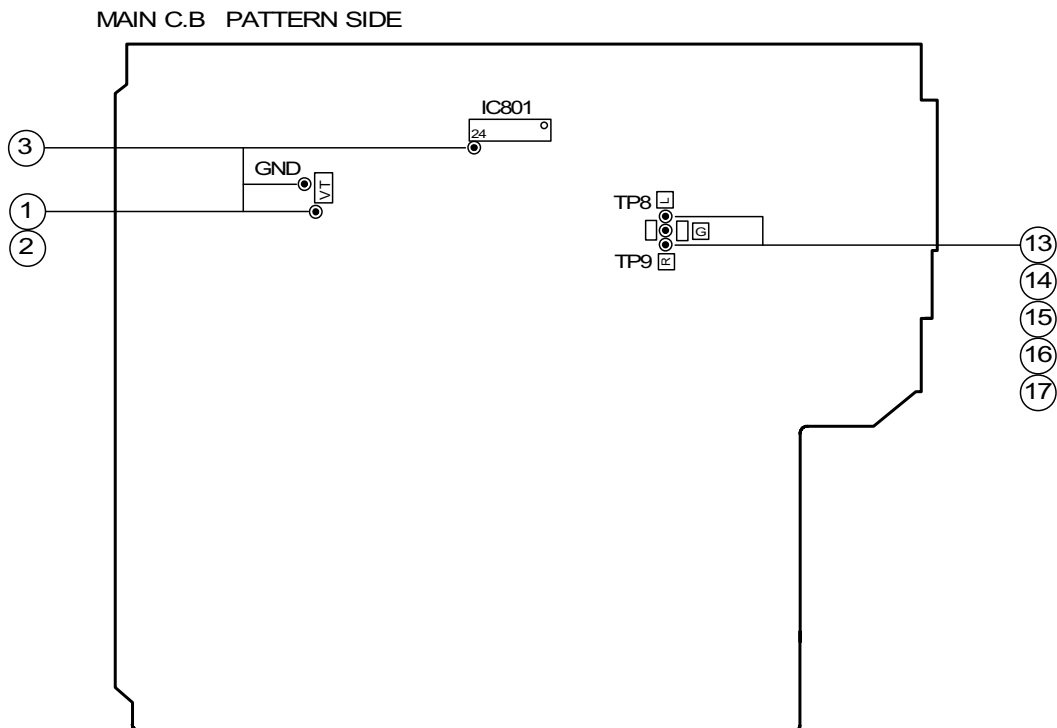
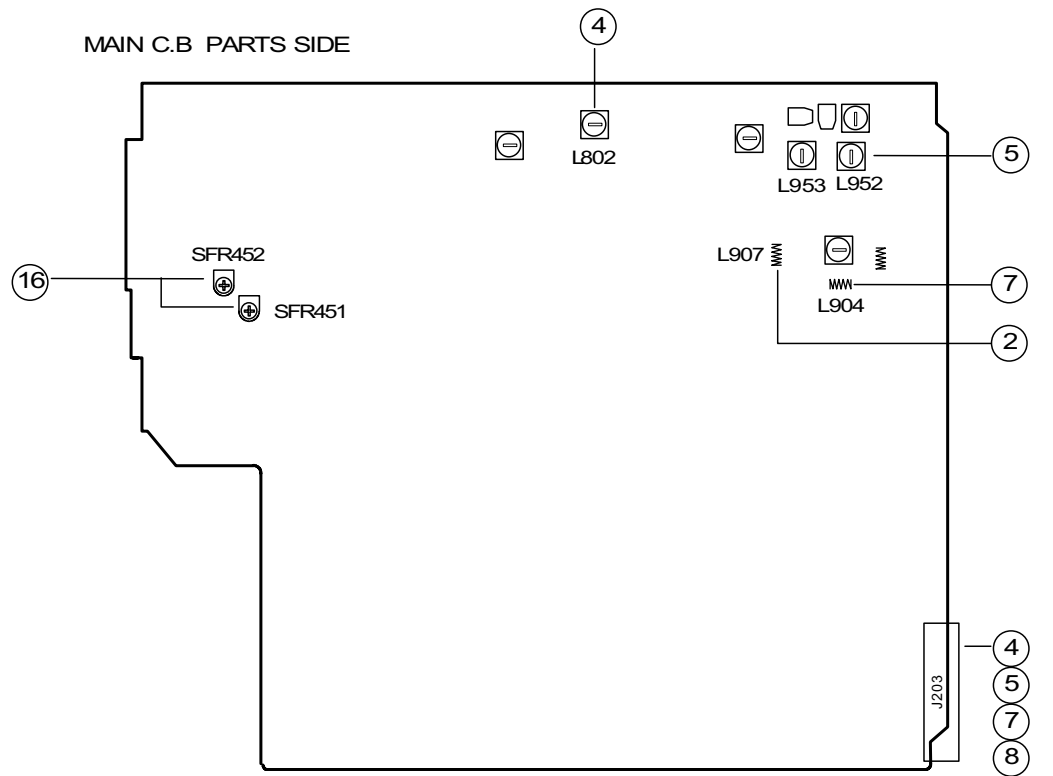


ANODE CONNECTION

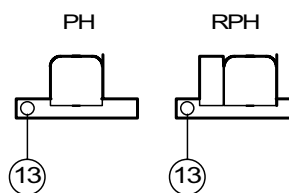
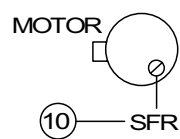
	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G	12G	13G
P1	RDS	AG	EON	⏮	RNDM	PRGM	EDIT	S1	—	S1	—	S1	—
P2	a	a	a	a	a	a	a	S7	—	S7	—	S7	—
P3	h	h	h	h	h	h	h	—	S13	—	S13	—	S13
P4	j	j	j	j	j	j	j	—	S19	—	S19	—	—
P5	k	k	k	k	k	k	k	S2	—	S2	—	S2	—
P6	b	b	b	b	b	b	b	S8	—	S8	—	S8	—
P7	f	f	f	f	f	f	f	—	S14	—	S14	—	S14
P8	m	m	m	m	m	m	m	—	S20	—	S20	—	—
P9	g	g	g	g	g	g	g	S3	—	S3	—	S3	—
P10	c	c	c	c	c	c	c	S9	—	S9	—	S9	—
P11	e	e	e	e	e	e	e	—	S15	—	S15	—	S15
P12	r	r	r	r	r	r	r	—	S21	—	S21	—	—
P13	p	p	p	p	p	p	p	S4	—	S4	—	S4	—
P14	n	n	n	n	n	n	n	S10	—	S10	—	S10	—
P15	d	d	d	d	d	d	d	—	S16	—	S16	—	S16
P16	①	⏪	REC	col3	col1	—	kHz	—	S22	—	S22	—	—
P17	②	REC	—	⏮	col2	—	MHz	S5	—	S5	—	S5	—
P18	③	—	—	Σ	o	—	GEQ	S11	—	S11	—	S11	—
P19	T-BASS	—	—	⏭	▷	—	—	—	S17	—	S17	—	S17
P20	—	—	—	⏮	◀	—	—	—	S23	—	S23	—	—
P21	B1	—	—	—	MONO	—	—	S6	—	S6	—	S6	—
P22	B2	—	—	—	—	—	—	S12	—	S12	—	S12	—
P23	B3	—	—	—	—	—	—	—	S18	—	S18	—	S18
P24	—	—	—	—	—	—	—	—	S24	—	S24	—	—

ELECTRICAL ADJUSTMENT-1/6

ADJUSTMENT <TUNER/DECK>



DECK C.B



ELECTRICAL ADJUSTMENT-2/6

1. Pressing any function key during PLAY stops the test mode.
2. After repeating the focus search for three times, then the gain is changed to the CR-RW gain value from the 4th focus search.
3. Do not keep pressing the FF button or the RWD button. If the FF button or the RWD button is kept pressed when the optical pickup stays in the innermost track or in the outermost track, the gear can be damaged because the sled motor keeps rotating.
4. Align the alphabetical letters in the front of the MAIN C.B and the DECK C.B with the alphabetical letters printed on conductor side of the boards.

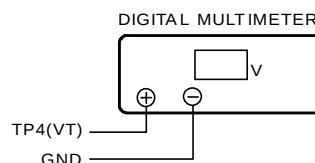
<TUNER Section>

1. VT Check (AM)

Conditions

- Measuring equipment: Digital multimeter
- Test point: TP4 (VT) and GND

- 1) Connect a digital multimeter between TP4 (VT) and GND.
- 2) Set the function switch to AM and tune the reception frequency to 1,602 kHz.
- 3) Check that the digital multimeter reading is 9.0 V or less.
- 4) Tune the reception frequency to 531 kHz.
- 5) Check that the digital multimeter reading is 0.5 V.



2. VT Adjustment and Check (FM)

Conditions

- Measuring equipment: Digital multimeter
- Test point: TP4 (VT) and GND
- Adjustment location: L907

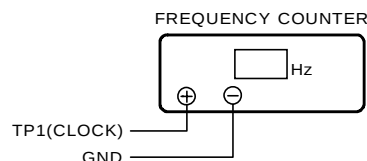
- 1) Connect a digital multimeter between TP4 (VT) and GND.
- 2) Set the function switch to FM and tune the reception frequency to 108.0 MHz.
- 3) Adjust L907 until the digital multimeter reading is 7.0 ± 0.1 V.
- 4) Tune the reception frequency to 87.5 MHz.
- 5) Check that the digital multimeter reading is 1.5 V or less.

3. Clock Check

Conditions

- Measuring equipment: Frequency counter
- Test point: TP1 (CLOCK) and GND

- 1) Connect a frequency counter between TP1 (CLOCK) and GND.
- 2) Set the function switch to AM and tune the reception frequency to 1,602 kHz.
- 3) Check that the frequency counter reading is $2,052 \text{ kHz} \pm 45 \text{ H}$.

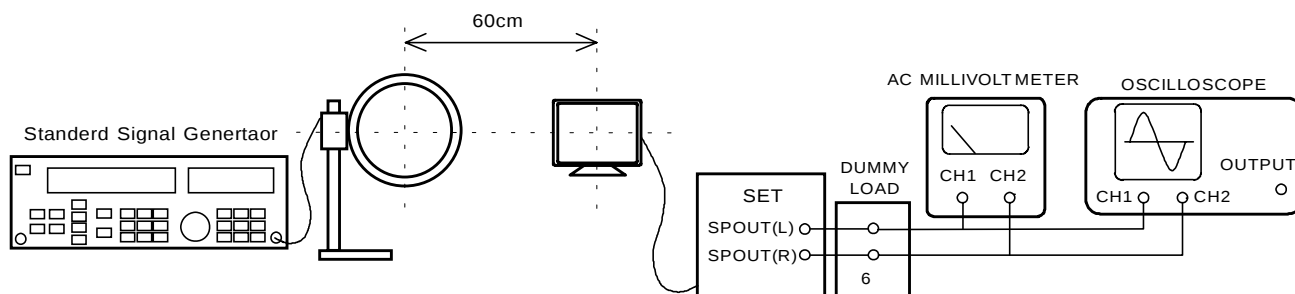


<AM Adjustment>

Before starting the AM adjustment, perform the preparation shown below.

Preparation

- Measuring equipment: Standard signal generator (S.S.G), loop antenna, oscilloscope, milli-volt meter and dummy resistor (6Ω)
- 1) Connect measuring equipment as shown below.
 - 2) Place loop antenna of signal generator 60 cm apart from the loop antenna of the receiver as shown.



ELECTRICAL ADJUSTMENT-3/6

4. IF Adjustment

Conditions: The same conditions as specified in Preparation.

- Adjustment point: L802

- 1) Set up the S.S.G. to AM, carrier 999 kHz, modulation degree 30% and source 1 kHz.
- 2) Tune the reception frequency to AM 999 kHz.
- 3) While observing the 1 kHz waveform with an oscilloscope, decrease the S.S.G. output level. (Decrease until small noise is visible on waveform.)
- 4) Adjust L802 until the milli-volt meter reading becomes maximum.

5. Tracking Adjustment

Conditions: The same conditions as specified in Preparation.

- Adjustment point: L952/L953

- 1) Set up the S.S.G. to AM, carrier 603 kHz, modulation degree 30% and source 1 kHz.
- 2) Tune the reception frequency to AM 900 kHz.
- 3) While observing the 1 kHz waveform with an oscilloscope, decrease the S.S.G. output level. (Decrease until small noise is visible on waveform.)
- 4) Adjust L952 until the milli-volt meter reading becomes maximum.
- 5) Set up the S.S.G. to AM, carrier 603 kHz, modulation degree 30% and source 1 kHz.
- 6) Set the unit to the receiving frequency at AM 603 kHz.
- 7) Adjust L953 until the milli-volt meter reading becomes maximum.
- 8) Repeat the above step 1 to 7 two to three times.

6. AM Auto Stop Check

Conditions: The same conditions as specified in Preparation.

- 1) Set up the S.S.G. to AM, carrier 999 kHz, modulation degree 30%, source 1 kHz and output 40 to 65 dBuV.
- 2) Let the NSX-RV15 start the Tuning Search. Check that the Tuning Search stops at AM 999 kHz automatically.

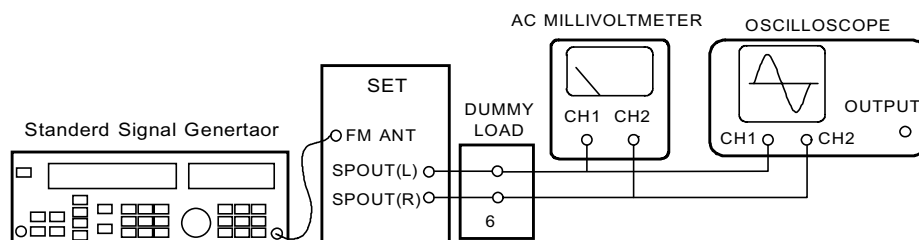
<FM Adjustment>

Before starting the FM adjustment, perform the preparation shown below.

Preparation

- Measuring equipment: Standard signal generator (S.S.G.), oscilloscope, milli-volt meter and dummy resistor (6Ω)

- 1) Connect measuring equipment as shown below.
- 2) Connect the S.S.G. output to antenna input of the NSX-RV15.



7. FM Tracking Adjustment

Conditions: The same conditions as specified in Preparation.

- Adjustment point: L904

- 1) Set up the S.S.G. to FM, carrier 87.5 MHz, modulation 75 kHz and source 1 kHz.
- 2) Tune the reception frequency to 87.5 MHz.
- 3) While observing the 1 kHz waveform with an oscilloscope, decrease the S.S.G. output level. (Decrease until small noise is visible on waveform.)
- 4) Adjust L904 until the milli-volt meter reading becomes maximum.

8. Separation Check

Conditions: The same conditions as specified in Preparation.

- 1) Set up the S.S.G. to FM, carrier 98 MHz, modulation 67.5 kHz, source 1 kHz and output 74 dBuV.
- 2) Switch the S.S.G. to PILOT ON and set the PILOT to 7.5 kHz.
- 3) Tune the reception frequency to FM 98 MHz.
- 4) Set the S.S.G. output to L-channel only. Check that the level difference between L-channel and R-channel is 22 dB or more.
- 5) Check the R-channel in the same way.

9. Auto Stop Check

Conditions: The same conditions as specified in Preparation.

- 1) Set up the S.S.G. to FM, carrier 98 MHz, modulation 75 kHz, source 1 kHz and output 35 dBuV or less.
- 2) Let the NSX-RV15 start the Tuning Search. Check that the Tuning Search stops at FM 98 MHz automatically.

ELECTRICAL ADJUSTMENT-4/6

<DECKSection>

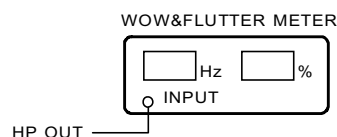
Preparation

- Measuring instruments: Wow-flutter meter / Oscilloscope / Milli-volt meter / Low frequency generator / Attenuator
- Test tape: TTA-100/TTA-300 (or TTA-310, 320) / TTA-200 / TTA-602 (or equivalent playback/record test tape)

10. Tape Speed Adjustment (DECK2)

Conditions

- Measuring equipment: Wow & flutter meter (frequency counter)
Test tape: TTA-100 (3 kHz)
Test point: HP OUT
Adjustment point: SFR1



- 1) Connect a wow & flutter meter to HP OUT (Headphones output).
- 2) Insert the test tape (TTA-100) in the DECK2. Play the center portion of the tape in the FWD mode. Adjust SFR1 until 3,000 Hz $\pm$ 45 Hz is obtained.

11. Tape Speed Adjustment (DECK1)

Conditions: The same conditions as item 10.

- 1) Insert the test tape (TTA-100) in the DECK1. Play the center portion of the tape in the FWD mode. Check that DECK1 tape speed is within $\pm$ 55 Hz of the DECK2 tape speed.

12. Wow and Flutter Check (DECK1, DECK2)

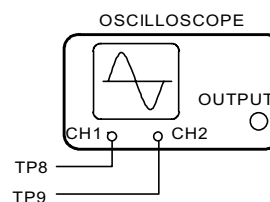
Conditions: The same conditions as item 10.

- 1) Connect a wow & flutter meter to HP OUT (Headphones output).
- 2) Set INDICATOR of the wow & flutter meter to JIS position. Set its mode to W RMS (WTD).
- 3) Insert the test tape (TTA-100) and play the center portion of the tape. Check that wow & flutter is 0.25% or less.

13. Head Azimuth Adjustment (DECK1, DECK2)

Conditions

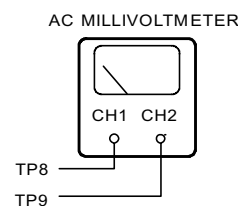
- Measuring equipment: Oscilloscope
Test tape: TTA-300 (10 kHz)
Test point: TP8 (L-ch), TP9 (R-ch)
Adjustment point: Head azimuth adjustment screw



- 1) Connect oscilloscope probes CH1 to TP8 (L-ch) and CH2 to TP9 (R-ch).
- 2) Set the V mode of an oscilloscope to ADD.
- 3) Insert the test tape (TTA-300) in the DECK1. Play the center portion of the tape in the FWD mode. Adjust the azimuth adjustment screw until the playback waveform becomes maximum when 10 kHz is played back.
- 4) Upon completion of adjustment, fix the screw with Bond Lock (1600B).
- 5) Perform the steps 3) and 4) on DECK2.

14. Playback Frequency Response Characteristics Check (DECK1, DECK2)

- Measuring equipment: Milli-volt meter
Test tape: TTA-300 (315 Hz/10 kHz)
Test point: TP8 (L-ch), TP9 (R-ch)



- 1) Connect oscilloscope probes CH1 to TP8 (L-ch) and CH2 to TP9 (R-ch).
- 2) Insert the test tape (TTA-300) in the DECK1. Play 315 Hz and 10 kHz segments.
- 3) Check that the 10 kHz signal level is within $\pm$ 3dB with respect to the 315 Hz output level that is the reference output.
- 4) Perform the steps 2) and 3) on DECK2.

15. Playback Sensitivity Check (DECK1, DECK2)

- Measuring equipment: Milli-volt meter
Test tape: TTA-200 (400 Hz)
Test point: TP8 (L-ch), TP9 (R-ch)

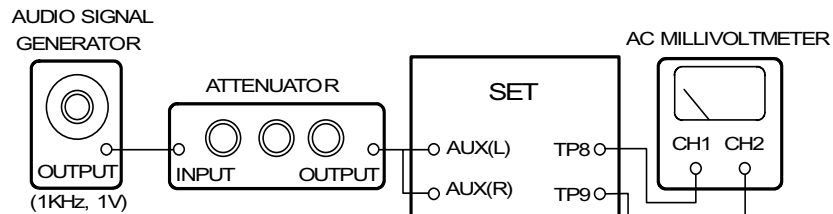
- 1) Connect oscilloscope probes CH1 to TP8 (L-ch) and CH2 to TP9 (R-ch).
- 2) Insert the test tape (TTA-200) in the DECK1. Play it back.
- 3) Check that the output level is within 110 mV within $\pm$ 3 dB.
- 4) Perform the steps 2) and 3) on DECK2.

ELECTRICAL ADJUSTMENT-5/6

16. Record/Playback Frequency Response Characteristics Adjustment (DECK2)

Conditions

- Measuring equipment: Milli-volt meter
Audio signal generator
(Low frequency oscillator)
Attenuator
- Test tape: TTA-602 (NORMAL)
- Test point: TP8 (L-ch), TP9 (R-ch)
- Input point: AUX (1 kHz/8 kHz)
- Adjustment point: SFR451 (L-ch), SFR452 (R-ch)



- 1) Connect a milli-voltmeter CH1 to TP8 (L-ch) and CH2 to TP9 (R-ch).
- 2) Connect an oscillator output to an attenuator. Connect an attenuator output to AUX of the NSX-RV15.
- 3) Insert the test tape (TTA-602) into DECK2 and record the 1 kHz signal from AUX.
- 4) Adjust the attenuator so that TP8 and TP9 output level become 10 mV.
- 5) Record the 1 kHz signal and 8 kHz signal alternately.
- 6) Adjust SFR451 (L-ch) and SFR452 (R-ch) so that the 8 kHz playback output level is within $0 \pm 1\text{dB}$ with respect to the 1 kHz output level that is the reference output.

17. Record/Playback Sensitivity Check (DECK2)

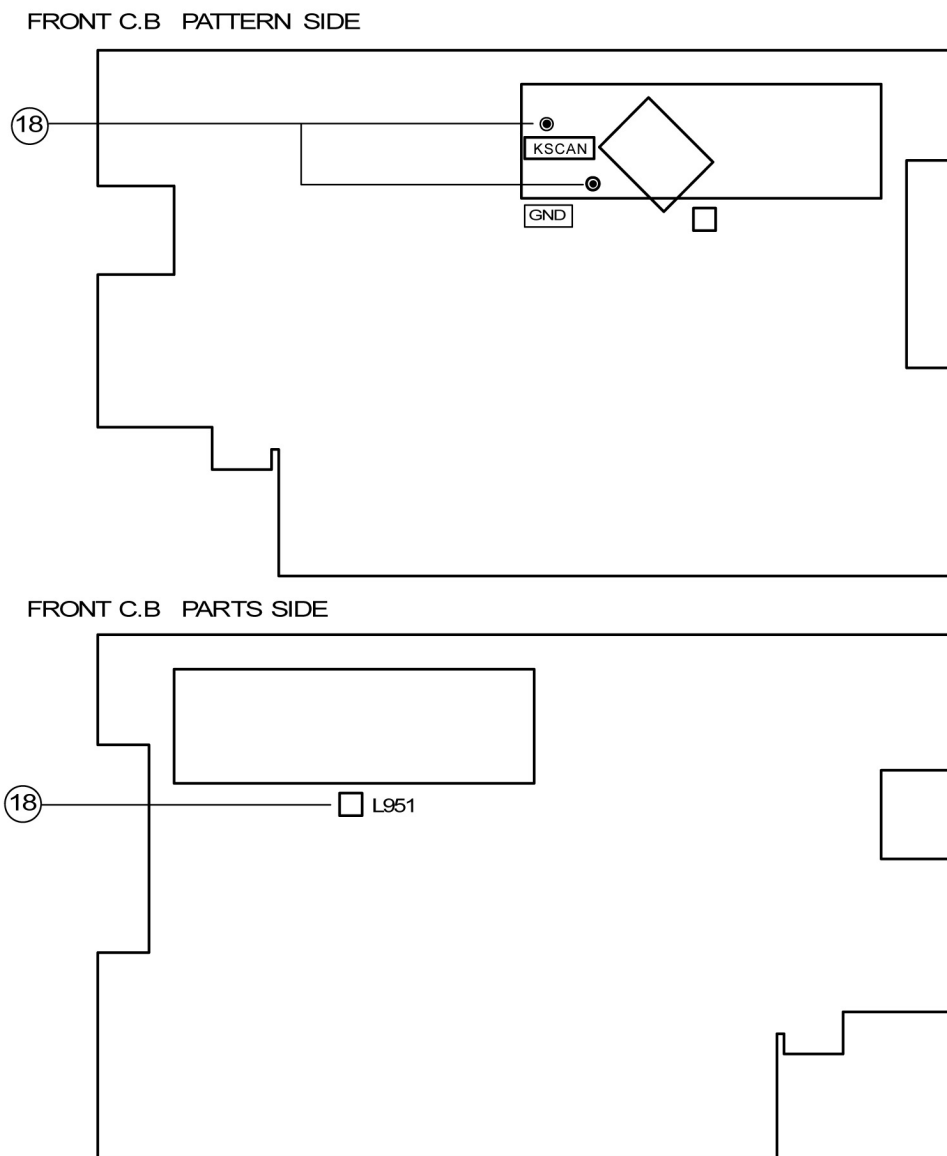
Conditions

- Measuring equipment: Same as item 16.
- Test tape: TTA-602 (NORMAL)
- Test point: TP8 (L-ch), TP9 (R-ch)
- Input point: AUX (1 kHz)

- 1) Insert the test tape (TTA-602) into DECK2 and record the 1 kHz signal from AUX.
- 2) Adjust the attenuator so that TP8 and TP9 output level become 100 mV.
- 3) Play back the 1 kHz portion and check that the 1 kHz playback output level is within $0 \text{ dB} \pm 2.5\text{dB}$ with respect to the record mode output level.

ELECTRICAL ADJUSTMENT-6/6

ADJUSTMENT <FRONT>



18. Clock Adjustment

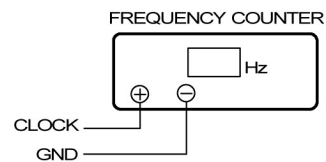
Requirement

Measuring equipment: frequency counter

Test point: TP3 (KSCAN), (GND)

Adjustment point: L951

- 1) While pressing and holding down the POWER button and FF button, insert the AC plug to outlet.
- 2) Adjust L951 so that the frequency counter indicates 72.743 ± 0.073 Hz.



CD TEST MODE-1/1

1. How to Start the CD Test Mode

While pressing the CD OPEN/CLOSE button, insert the AC plug to the power outlet.
When the test mode is started, the message [TEST] is displayed.

2. How to Exit the CD Test Mode

Press the POWER button, push other FUNCTION button or disconnect the AC plug.

3. Function Descriptions and Application of the CD Test Mode

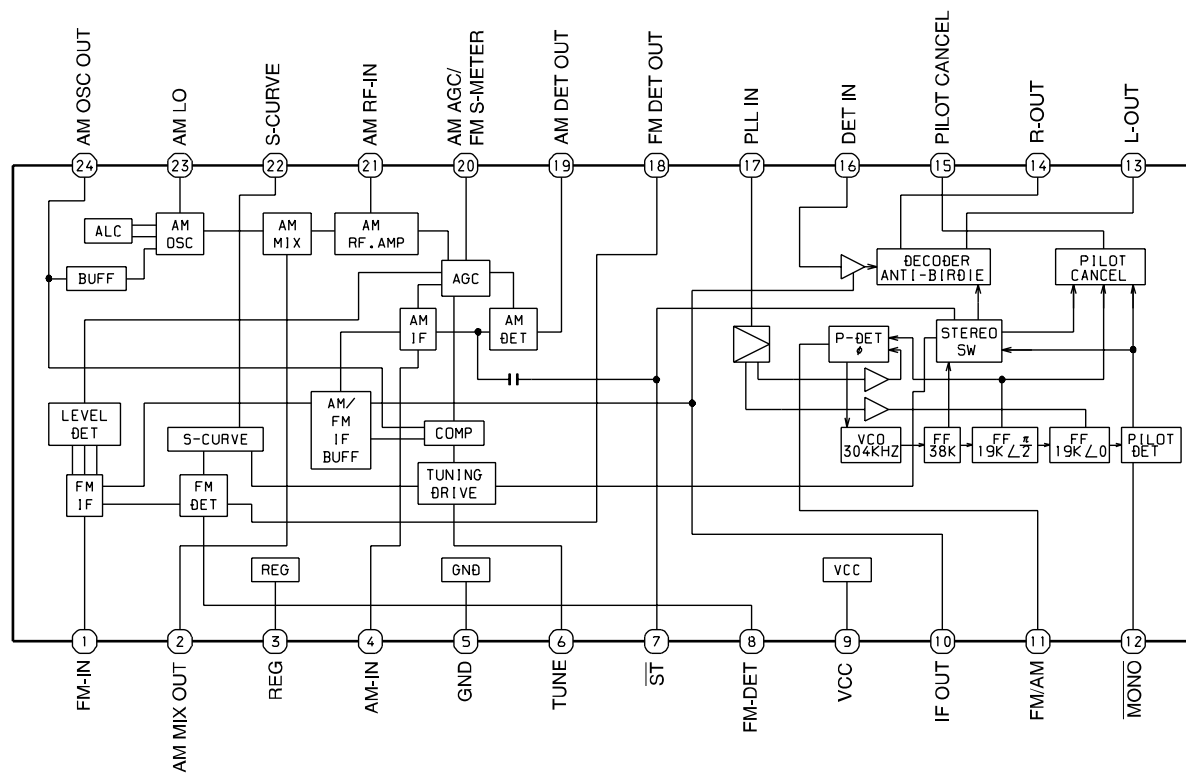
No	Mode	Operation	Display	Function	Checking item
1	Start mode		All indicators light	• All FL indicators light	• FL check • Microprocessor check
2	Search mode	STOP button	READING	• LD illuminates all the time • Focus search continuous operations *1,*2 • Spindle motor continuous kick	• APC circuit check • Laser current measurement • Focus search waveform check • Focus error waveform check (FOK in the search mode is ignored)
3	Play mode	Play button	Normal	• Normal playback • If TOC cannot be read, focus search is continued	• Each servo circuit is checked • FOK check • RF waveform check (About 1.1Vp-p)
4	Traverse mode	PAUSE button	Normal	• Tracking servo OFF/ON • Each time PAUSE button is pressed, the tracking servo repeats turning OFF/ON	• Tracking balance check

*1: The driver IC heats up and the protection circuit starts working when the focus search is continued for 10 minutes or longer.
There can be a case that operations can not be performed correctly.
In such a case, turn off the main power. After cooling down the machine, restart the machine.

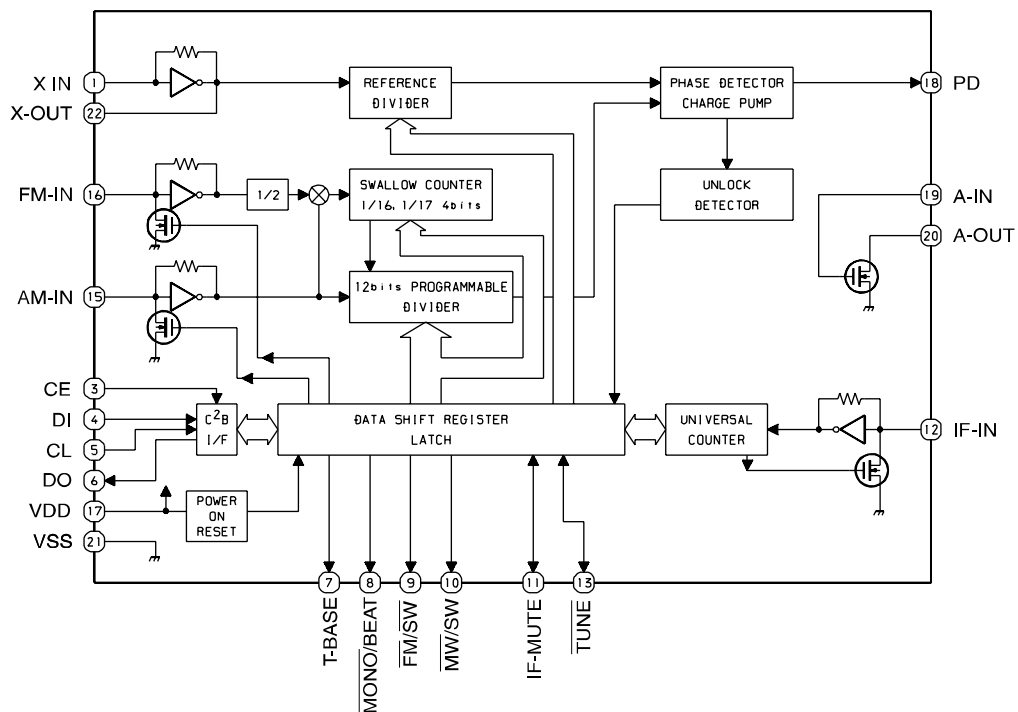
*2: After the focus search is executed three times, the gain is changed to the CD-RW gain from the fourth time.

IC BLOCK DIAGRAM-1/2

IC, LA1845

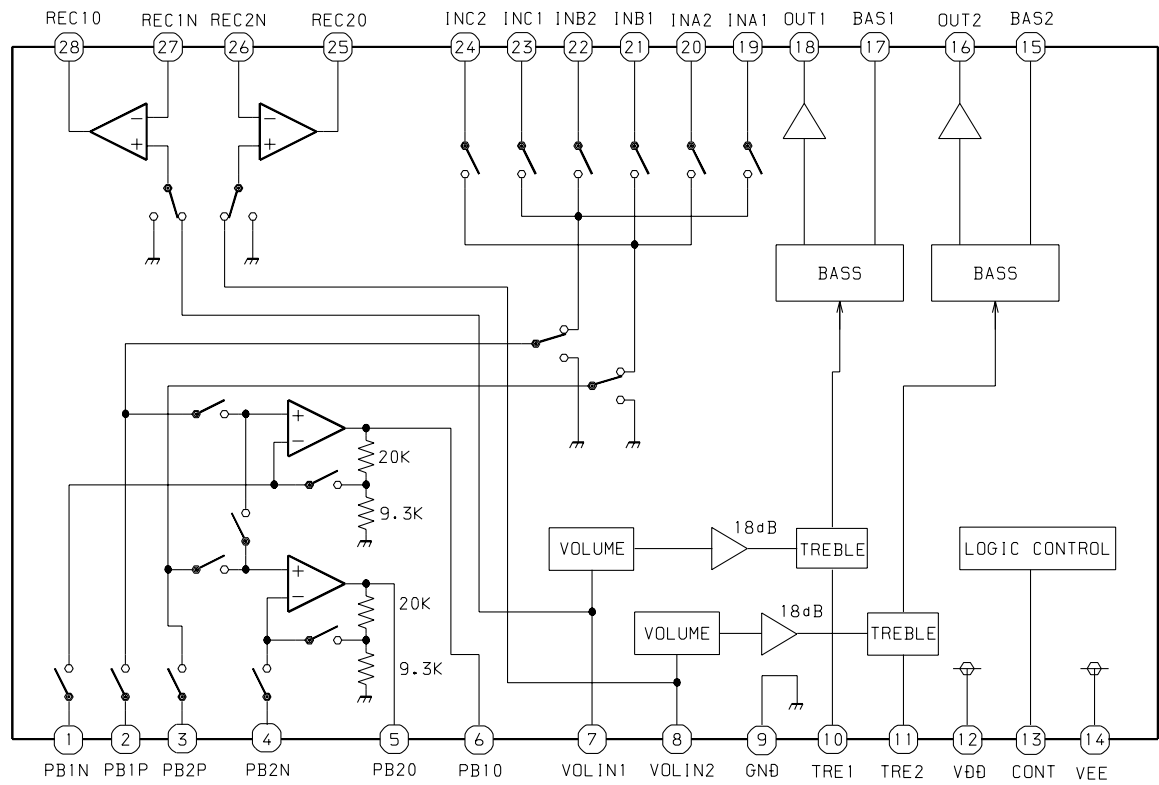


IC, LC72131D-N



IC BLOCK DIAGRAM-2/2

IC, BD3881FV

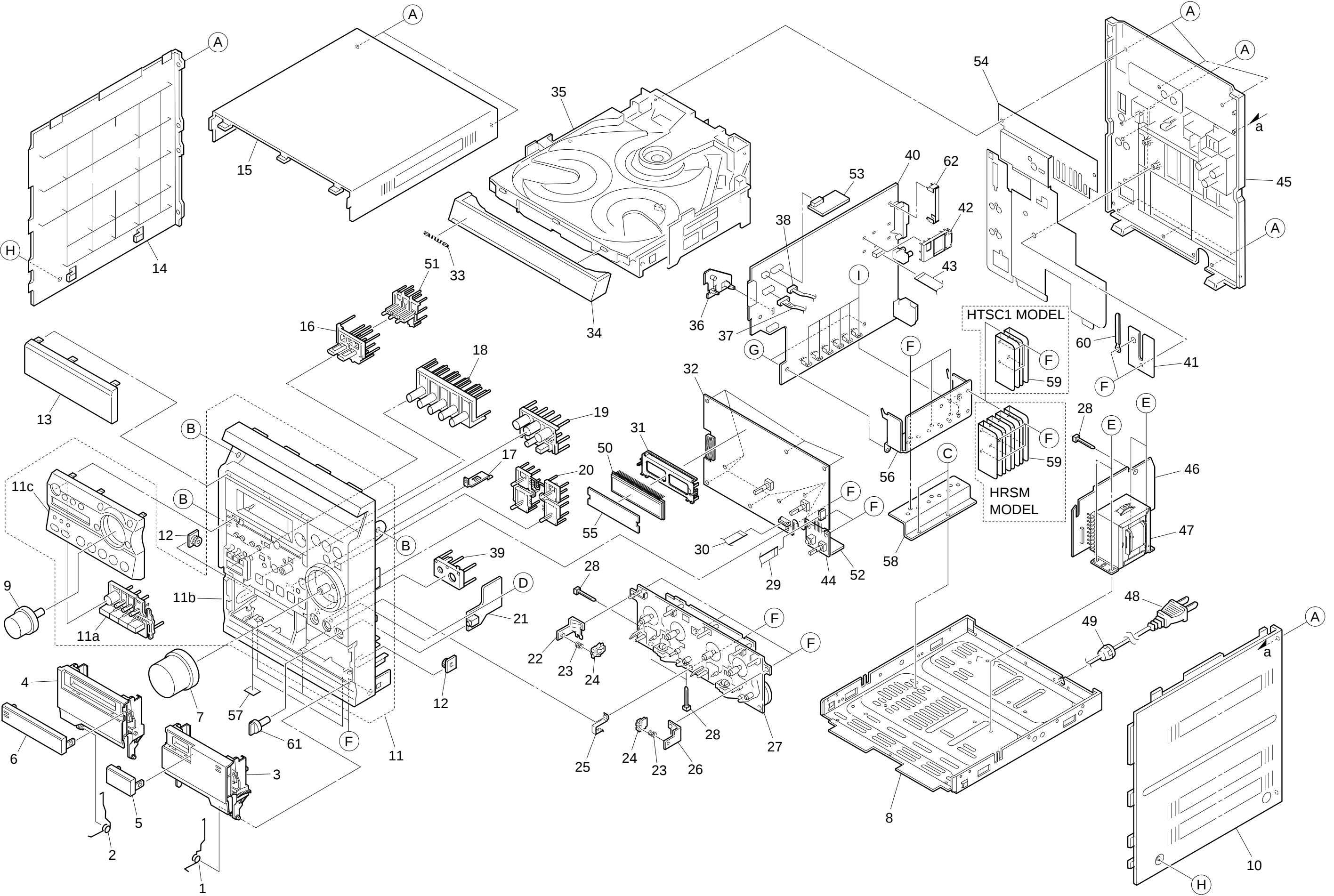


IC DESCRIPTION -1/1 (μPD780228GF-091-3BA)-1/2

Pin No.	Pin Name	I/O	Description
1	O-MOTOR	O	DECK motor output.
2	O-SOL1	O	DECK1 solenoid output.
3	O-SOL2	O	DECK2 solenoid output.
4	O-STBY LED	O	STBY output for shift registor.
5	O-MUTE	O	System mute ON/OFF output.
6	O-KSCAN	O	Initial scan timing output.
7	O-PLL_CE	O	PLL Chip Enable output for LC72131
8	I-TM_BASE	I	Time-Base signal input.
9	O-TU-ON	O	Tuner ON/OFF output.
10	O-PB2	O	DECK2 Play Back ON/OFF output.
11	O-VF	O	Vocal Fader ON/OFF output.
12	I-AUTO1	I	DECK1 detecting reel rotatoing switch input.
13	I-REA	I	DECK2 prevention for mistaken recording switch input.
14	I-CST1	I	DECK1 cassette detect switch input.
15	I-CST2	I	DECK2 cassette detect switch input.
16	I-AUTO2	I	DECK2 detecting reel rotatoing switch input.
17	IC	–	GND
18	VSS0	–	GND
19	VDD0	–	Power supply input.
20	O-POWER	O	System power supply ON/OFF output.
21	I-JOG_A	I	JOG rotary Encoder signal input (A/D).
22	I-JOG_B	I	
23	I-VOL_A	I	VOL rotary Encoder signal input (A/D).
24	I-VOL_B	I	
25	I-SUBQ	I	CD SUBQ serial input.
26	I-WRQ	I	CD IC control input.
27	I-DRF	I	
28	I-MIC	I	Microphone input for auto vocal fader ON/OFF.
29	I-RDS_DATA	I	Input Tuner RDS DATA.
30	RESET	I	Reset input.
31	O-DSC/O-DATA	I/O	Serial Data Latch output for BD3881FV/PULL Data output for LC72131.
32	O-CLK_SFT	O	Micon Clock Shift output.
33	I-IFC	I	TUNER IF count serial data input.
34	I-RMC	I	System Remote Control signal input.
35	I-DISH	I	CD turntable photo sensor signal input.
36	I-STEREO	I	Tuner stereo detected input.
37	VDD1	–	Power supply input.
38	X2	–	4.19MHz oscilltor circuit.
39	X1	–	
40	VSS1	–	GND
41	AVDD	–	Voltage for A/D converter.

IC DESCRIPTION -1/1 (μPD780228GF-091-3BA)-2/2

Pin No.	Pin Name	I/O	Description
42	I-HOLD	I	Power failure detected input “L” to stop clock and hold memory.
43	I-CDSW	I	CD mechanism switch A/D converter input.
44	I-SPEANA_1	I	A/D input for spectrum analyzer display.
45	I-SPEANA_2	I	
46	I-SPEANA_3	I	
47	I-KEY1	I	KEY Input (A/D).
48	I-KEY2	I	
49	I-TU_SIG	I	Signal LEVEL A/D input for RDS.
50	AVSS	–	GND
51	O-BIAS	O	BIAS output.
52	O-CD_CE	O	CD Chip Enable output.
53	O-CD_CLK	O	CD Serial clock output.
54	O-CD_DATA	O	CD Serial data output.
55	O-CLK	O	PLL Clock output for LC72131.
56–59	NC	–	No connected.
60	I-CAM2	I	DECK2 cam switch input.
61	I-CAM1	I	DECK1 cam switch input.
62–72	P24–P14	O	FL segment P24–P14 output.
73	P13/LW	O/I	FL segment P13 output./LW data input to diode.
74–78	P12–P8	O	FL segment P12–P8 output.
79	VDD2	–	Power supply input.
80	VLOAD	–	Power supply input for FL display.
81	P7		FL segment P7 output.
82	P6/WITHOUT-ECO	O/I	FL segment P6 output./WITHOUT-ECO data input to diode.
83–87	P5–P1	O	FL segment P5–P1 output.
88–100	G1–G13	O	FL grid G1–G13 output.



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	
					CX-SNRV15 HRSM	CX-SNRV15 HTSC1
		O MC1001	8A-NF8-282-010	SPR-T, EJECT 2	a	b
		O MC1002	8A-NF8-281-010	SPR-T, EJECT 1	a	b
		O MC1003	8C-NFA-006-010	BOX, CASS 2	a	b
		O MC1004	8C-NFA-005-010	BOX, CASS 1	a	b
		O MC1005	8C-NF8-006-010	WINDOW, CASS 2	a	b
		O MC1006	8C-NF8-005-010	WINDOW, CASS 1	a	b
		O MC1007	8C-NF9-001-010	KNOB, RTRY VOL	a	b
		X MC1008	8C-NF8-236-010	CHAS, MAIN CC 66-35 VCD	a	b
		O MC1009	8C-NF8-027-010	KNOB, RTRY JOG	a	b
		O MC1010	8C-NFA-032-010	PANEL, RIGHT	a	b
		O MC1011	8C-NHA-003-110	CABI, ASSY RV15	a	b
		O MC1011a	8C-NH8-007-010	KEY, POWER VCD	a	b
		X MC1011b	8C-NFA-015-110	CABI, FR H	a	b
		X MC1011c	8C-NHA-002-010	PANEL, FR VCD RV15	a	b
		O MC1012	8Z-NF6-210-010	DMPR, 150 N	a	b
		O MC1013	8C-NHA-001-010	WINDOW, DISP H	a	b
		O MC1014	8C-NFA-031-010	PANEL, LEFT	a	b
		O MC1015	8C-NFA-033-010	PANEL, TOP	a	b
		O MC1016	8C-NF5-010-010	KEY, REC EZ	a	.
		O MC1016	8C-NF8-029-010	KEY, REC EZ	.	b
					CX-SNRV15 HRSM	CX-SNRV15 HTSC1
		X MC1017	8C-NF9-202-010	PLATE, EARTH MIC	a	b
		O MC1018	8B-NF1-019-010	KEY, OPE	a	.
		O MC1018	8C-NF8-013-010	KEY, OPE	.	b
		O MC1019	8C-NF8-010-010	KEY, CD	a	b
		O MC1020	8C-NF8-011-010	KEY, ENTER	a	b
		X MC1021	8C-NHA-634-010	PWB, HP (FOR M/C MODEL)	a	.
		X MC1021	8C-NHA-654-010	PWB, HP (FOR M/C MODEL) B/F	.	b
		O MC1022	87-NF4-216-010	HLDR, LOCK 1	a	b
		O MC1023	86-NF9-224-010	SPR-C, LOCK	a	b
		O MC1024	82-NF5-229-010	PLATE, LOCK(*)	a	b
		X MC1025	8C-NF9-201-010	PLATE, EARTH MECHA	a	b
		O MC1026	87-NF4-217-110	HLDR, LOCK 2	a	b
		X MC1027	M8-CZK-292-170	CMAT6Z2(1+1)ALPS	a	b
		O MC1028	87-A90-193-010	HLDR, CV100 (B)	a	b
		O MC1029	88-908-301-110	FF-CABLE, 8P 1.25 300MM	a	b
		O MC1030	88-911-101-110	FF-CABLE, 11P 1.25 100MM	a	b
		O MC1031	8A-NFA-208-010	GUIDE, FL 100-25 ANFA	a	b
		X MC1032	8C-NF9-621-010	PWB, FRONT CNF-9	a	.
		X MC1032	8C-NFA-621-010	PWB, FRONT CNF-A B/F	.	b
		O MC1033	87-CE3-023-010	BADGE, AIWA 30N SILV	a	.
					CX-SNRV15 HRSM	CX-SNRV15 HTSC1
		O MC1033	87-B00-002-010	BADGE, AIWA 30 ABS SIL	.	b
		O MC1034	8C-NH8-004-010	PANEL, TRAY VCD	a	b
		X MC1035	M8-BZG-29P-030	BZG-2 MVSD5GNM	a	.
		X MC1035	M8-BZG-29T-070	BZG-2 MVSD5GNC2	.	b
		O MC1036	8A-NF8-206-010	HLDR, PWB M	a	b
		O MC1037	8C-NF9-606-010	CONN ASSY, 8P -RPB	a	b
		O MC1038	8C-NF9-605-010	CONN ASSY, 3P -PB	a	b
		O MC1039	8C-NFA-020-010	PLATE, MIC	a	b
		X MC1040	8C-NHA-631-010	PWB, MAIN CNH-A	a	.
		X MC1040	8C-NHA-651-010	PWB, MAIN CNH-A B/F	.	b
		X MC1041	8C-NF9-623-010	PWB, HLDR WIRE CNF-9	a	.
		X MC1041	8C-NFA-623-010	PWB, HLDR WIRE CNF-A B/F	.	b
		X MC1042	8B-ZA3-619-010	SHLD-CASE, BZA-3 EZ	a	b
		O MC1043	88-908-341-110	FF-CABLE, 8P 1.25 340MM	a	b
		X MC1044	8C-NF9-622-010	PWB, MIC CNF-9	a	.
		X MC1044	8C-NFA-622-010	PWB, MIC CNF-A B/F	.	b
		O MC1045	8C-NHA-012-010	CABI, REAR HR7SM	a	.
		O MC1045	8C-NHA-013-010	CABI, REAR HTSC	.	b
		X MC1046	8C-NHA-632-010	PWB, PT	a	.
		X MC1046	8C-NHA-652-010	PWB, PT B/F	.	b
					CX-SNRV15 HRSM	CX-SNRV15 HTSC1
	!	O MC1047	8C-NHA-601-010	PT, HR/HT CNH-A	a	b
	!	O MC1048	87-A80-157-010	AC CORD ASSY, E BLK CC	a	.
	!	O MC1048	87-A80-092-010	AC CORD ASSY, E BLK SUN FAI	.	b
		O MC1049	87-085-185-010	BUSHING, AC CORD(E) CM-22B	a	b
		O MC1050	8C-NF9-615-010	FL, HUA-13SS09T	a	b
		O MC1051	8B-NF1-020-010	KEY, RDS	a	b
		X MC1052	8C-NF9-624-010	PWB, HLDR MIC CNF-9	a	.
		X MC1052	8C-NFA-624-010	PWB, HLDR MIC CNF-A B/F	.	b
		X MC1053	8C-NHA-635-010	PWB, VF	a	.
		X MC1053	8C-NHA-655-010	PWB, VF B/F	.	b
		X MC1054	8C-NH8-201-010	PLATE, SHLD REAR	a	b
		X MC1055	8C-NF8-045-010	SH, FL	a	b
		X MC1056	8C-NHA-201-010	HT-SINK, TR VCD	a	b
		X MC1057	8B-NF9-204-010	CUSH, 11-8.5-2	a	b
		X MC1058	8C-NHA-202-010	HT-SINK, SUB C	a	b
		X MC1059	8C-NHA-203-010	HT-SINK, FIN 1C	a	b
		O MC1060	87-064-185-010	HLDR, WIRE PVC 0.5	a	b
		O MC1061	8C-NFA-019-010	KNOB, RTRY MIC	a	b
		X MC1062	87-A90-023-010	SHLD-PLATE, ANT	a	b
		O MC1A	87-B10-091-010	UTT2+3-10 W/O SLOT BLK	a	b

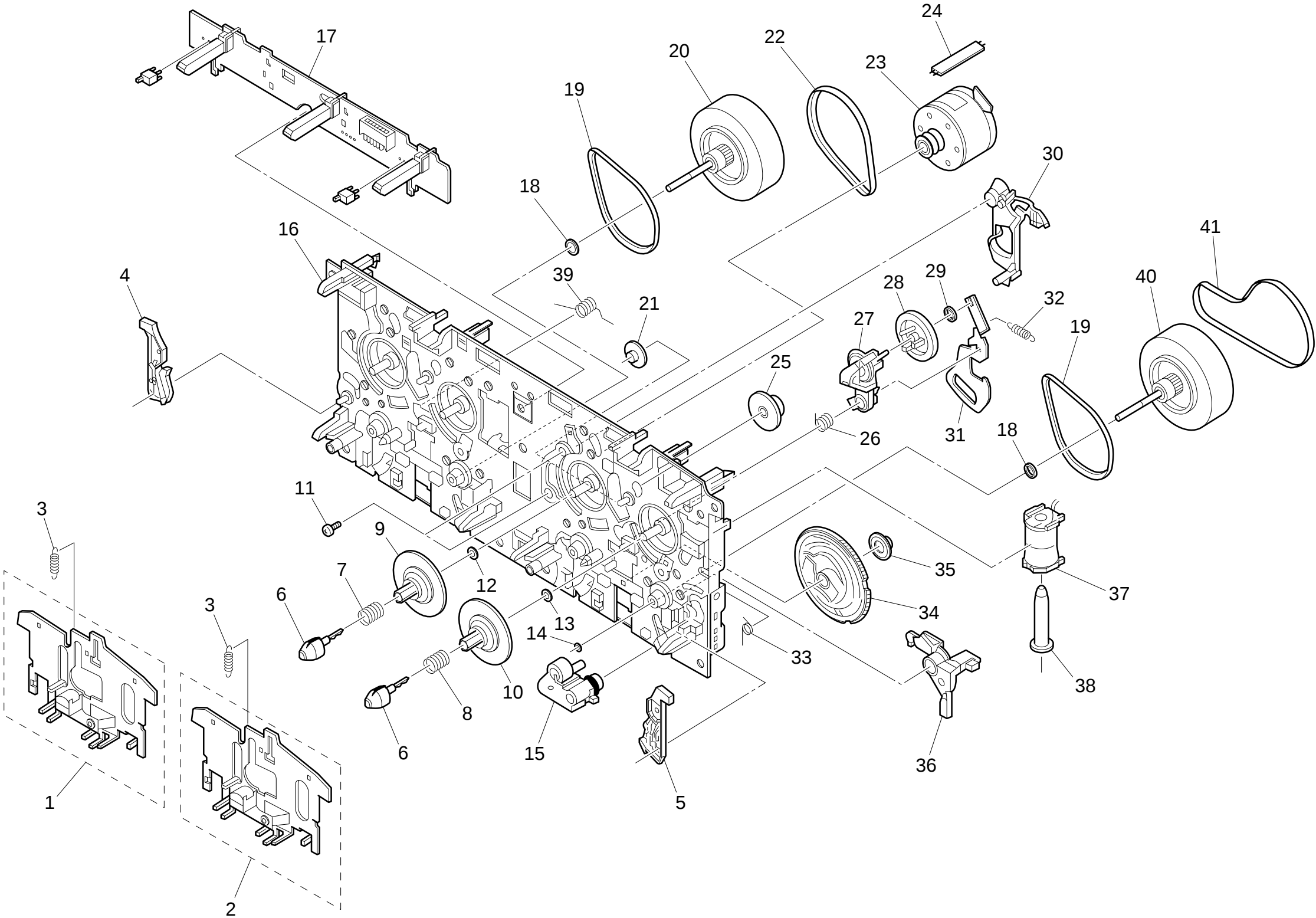
MECHANICAL PARTS LIST -2/2

! = ⚠ SAFETY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
					CX-SNRV15 HRSM	CX-SNRV15 HTSC1
	0	MC1B	87-721-096-410	QT2+3-10 W/O SLOT	a	b
	0	MC1C	87-B10-315-010	BVIT3B+3-8 R W/O	a	b
	0	MC1D	88-AR1-217-010	S-SCREW,BFT2+3-8	a	b
	0	MC1E	87-078-200-010	S-SCREW,ITC+4-8 R	a	b
	0	MC1F	87-067-703-010	BVT2+3-10 W/O SLOT	a	b
	0	MC1G	87-NF4-224-010	S-SCREW,IT3B+3-8 CU	a	b
	0	MC1H	87-078-165-010	UTT2+3-6 W/O SLOT BLK	a	b
	0	MC1I	87-067-001-010	S-SCREW,BVWST2+3-12 W/O SLOT	a	b

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



MECHANISM PARTS LIST -1/1 (CMAT6Z2(1+1)APLS)

! =  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.

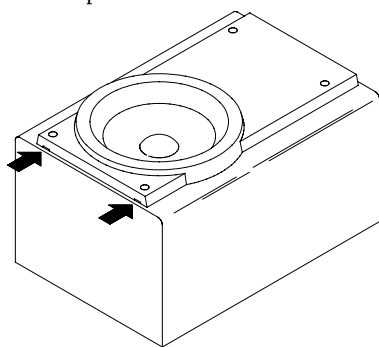
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
CMAT6Z222A					
	0	ST1001	SF-513-889-000	PLATE HD BLK	a
	0	ST1002	SF-513-888-000	PLATE HD BLK	a
	0	ST1003	SF-K32-T32-000	SPRING HB	a
	0	ST1004	SF-D58-H13-000	ARM INTERLOCK L	a
	0	ST1005	SF-D58-K13-000	ARM INTERLOCK R	a
	0	ST1006	SF-D53-M51-000	REEL FEATHER	a
	0	ST1007	SF-K32-U12-000	SP REEL (L)	a
	0	ST1008	SF-K32-V12-000	SP REEL (R)	a
	0	ST1009	SF-D56-GS3-000	REEL BASE	a
	0	ST1010	SF-D52-W51-000	REEL BASE	a
	0	ST1011	SF-G11-414-000	SCREW, PAN SW 2.6X5 ZN	a
	0	ST1012	SF-J11-131-000	PW, 4.1X0.13	a
	0	ST1013	SF-J11-135-000	PW, 4.1X0.25	a
	0	ST1014	SU-J16-F11-000	PW, 1.75X0.4	a
	0	ST1015	SF-514-135-000	ROLLER PINCH R BLK	a
	0	ST1016	SF-612-252-000	CHASSIS BASE BLK	a
	0	ST1017	SF-567-700-000	PWB CONTROL BLK	a
	0	ST1018	SF-J11-130-000	PW, 2.6X0.25	a
	0	ST1019	SF-F19-S31-000	F/R BELT	a
	0	ST1020	SF-R26-C11-000	ASSY F/W	a
CMAT6Z222A					
	0	ST1021	SF-D53-K52-000	PLAY GEAR (A)	a
	0	ST1022	SF-F19-N22-000	MAIN BELT	a
	0	ST1023	SF-525-349-000	MTR MAIN BLK	a
	X	ST1024	SW-G58-H03-000	2 CORE JUMPER LEAD	a
	0	ST1025	SF-D60-L12-000	FF GEAR (E)	a
	0	ST1026	SF-K35-K14-000	CAM SP	a
	0	ST1027	SF-522-063-000	CLUTCH ASSY BLK	a
	0	ST1028	SF-D60-B15-000	PULLEY F/R	a
	0	ST1029	SF-J11-117-000	WASHER 1.7X0.25	a
	0	ST1030	SF-D58-T12-000	LEVER BRAKE	a
	0	ST1031	SF-C65-W21-000	LEVER F/R	a
	0	ST1032	SF-K35-E14-000	SP ARM F/R	a
	0	ST1033	SF-K32-R21-000	SP ARM PLAY	a
	0	ST1034	SF-D61-C14-000	CAM GEAR	a
	0	ST1035	SF-D59-F12-000	BUSH	a
	0	ST1036	SF-D58-P15-000	ARM PLAY	a
	0	ST1037	SF-765-295-000	SOLENOID BLK	a
	0	ST1038	SF-L41-S22-000	PLANGER	a
	0	ST1039	SF-K34-Y11-000	B/C SP	a
	0	ST1040	SF-R26-D11-000	ASSY F/W	a
CMAT6Z222A					
	0	ST1041	SF-F19-N31-000	MAIN BELT	a

SPEAKER DISASSEMBLY INSTRUCTIONS-1/1

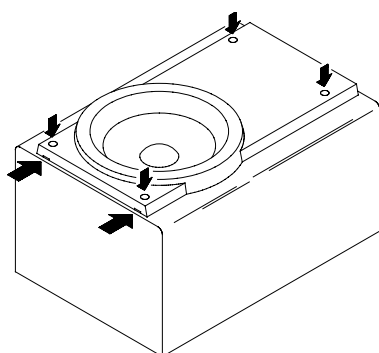
Type.1

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.



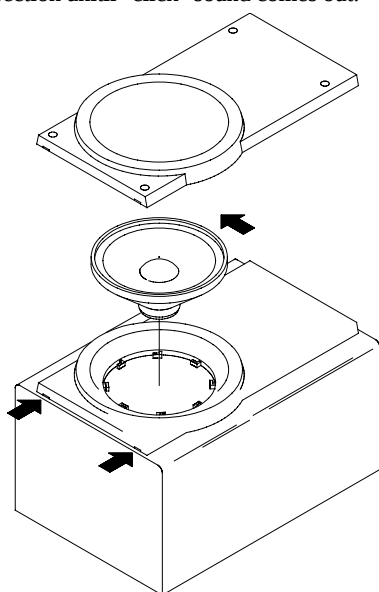
Type.2

Remove the grill frame and four pieces of rubber caps by pulling out with a flat-bladed screwdriver. Remove the screws from hold where installed rubber caps. Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.

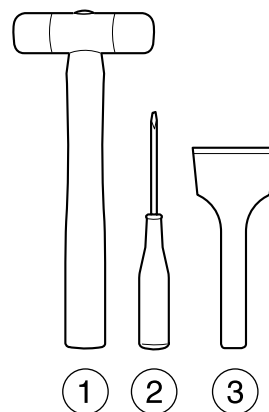


Type.3

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Turn the speaker unit to counterclockwise direction while inserting a flat-bladed screwdriver into one of the hollows around speaker unit, and then remove the speaker unit. After replacing the speaker unit, install it turning to clockwise direction until "click" sound comes out.



Type.4



TOOLS

- 1 Plastic head hammer
- 2 (-) flat head screwdriver
- 3 Cut chisel

How to Remove the PANEL, FR

1. Insert the (-) flat head screwdriver tip into the gap between the PANEL, FR and the PANEL, SPKR. Tap the head of the (-) flat head screwdriver with the plastic hammer head, and create the clearance as shown in Fig-1.
2. Insert the cut chisel in the clearance, and tap the head of the cut chisel with plastic hammer as shown in Fig-2, to remove the PANEL, FR.
3. Place the speaker horizontally. Tap head of the cut chisel with plastic hammer as shown in Fig-3, and remove the PANEL, FR completely.

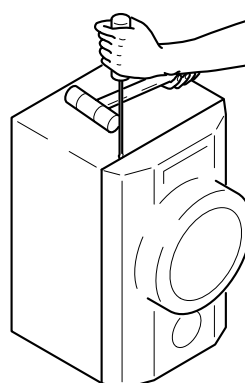


Fig-1

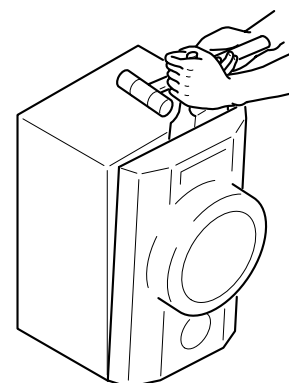


Fig-2

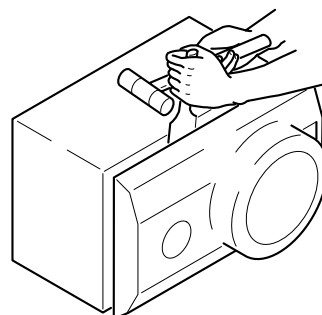


Fig-3

How to Attach the PANEL, FR

Attach the PANEL, FR to the PANEL, SPKR. Tap the four corners of the PANEL, FR with the plastic hammer to fit the PANEL, FR into the PANEL, SPKR completely.

SPEAKER PARTS LIST -1/2 (SX-SNR10)

! = ⚠ 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	
					SX-SNR10	SX-SNR10
					Y1SAN	YJS1N
	0	SP1001	8A-NSJ-006-010	BADGE, AIWA S35	a	b
	X	SP1002	8C-NSA-002-010	GRILLE, FRAME	a	b
	0	SP1003	8C-NSA-003-010	PANEL, BA DUCT	a	b
	0	SP1004	8C-NSA-004-010	PANEL, DUCT	a	b
	0	SP1005	8C-NSA-007-010	CORD, SPKR S	a	b
	0	SP1006	8C-NSA-011-010	GRILLE, FRAME ASSY S	a	b
	X	SP1007	8C-NSA-012-010	NET, S	a	b
	0	SP1008	8C-NSA-601-010	SPKR, 100	a	b
	X	SP1009	8Z-NS3-025-010	CORD, BUSH S	a	b

SPEAKER PARTS LIST -2/2 (SX-SNR11)

! = ⚠ SAFETY PARTS
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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
					SX-SNR11
					YJSN
	0	SP2001	8A-NSJ-006-010	BADGE, AIWA S35	a
	0	SP2002	8C-NSA-001-010	GRILLE, FRAME ASSY	a
	X	SP2003	8C-NSA-002-010	GRILLE, FRAME	a
	0	SP2004	8C-NSA-003-010	PANEL, BA DUCT	a
	0	SP2005	8C-NSA-004-010	PANEL, DUCT	a
	X	SP2006	8C-NSA-005-010	NET,	a
	0	SP2007	8C-NSA-007-010	CORD, SPKR S	a
	0	SP2008	8C-NSA-601-010	SPKR, 100	a
	X	SP2009	8Z-NS3-025-010	CORD, BUSH S	a

OTHERS PARTS LIST -1/3 (CX-SNRV15)

! =  SAFETY PARTS

C = Components marked

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
					CX-SNRV15 HRSM	CX-SNRV15 HTSC1
	X		87-063-173-010	CLOTH, N9295B BLK 30-10-0.35	a	b
	X		87-B40-281-010	LBL,BAR-CODE A 35X8	a	b
	X		87-057-995-010	LBL,CAUTION EFSD	a	b
	X		87-057-961-010	LBL,CAUTION TRIANGLE	a	b
	X		87-B40-098-010	BAG,PV 0.025-650-750 PL	a	b
	X		92-370-716-010	SH,FOAMED-MAT 0.31-700-500	a	b
	X		87-B40-085-010	BAG,PV 0.04-200-350 PL	a	b
	X		8C-NH9-971-010	LBL,POP HR7 R	a	b
	X		8C-NHA-970-010	LBL,POP HRJL	a	b
	X		87-056-614-010	BAG,PV 0.04-80-200	a	b
	X		8C-NH9-851-010	CUSHION,FRONT M	a	.
	X		8C-NH9-852-010	CUSHION,REAR M	a	.
	X		8C-NHA-016-010	LBL,CPA RV15	a	.
	X		8C-NFA-851-010	CUSHION,FRONT BFC	.	b
	X		8C-NFA-852-010	CUSHION,REAR BFC	.	b
	X		8C-NHA-017-010	LBL,SAFETY HT RV15	.	b
	X		87-B50-083-010	SH,ADDITIONAL CH-EN LIST	.	b

OTHERS PARTS LIST -2/3 (SX-SNR10)

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UNIT-NAME	! C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL	
					SX-SNR10	SX-SNR10
					Y1SAN	YJS1N
	X		8C-NSA-025-010	LBL, SPEC YS HYC	a	.
	X		8C-NSA-856-010	CUSHION, ASSY HYC	a	.
	X		8C-NSA-019-010	LBL, SPEC YJ TTT	.	b
	X		8C-NSA-854-010	CUSHION, ASSY TTT	.	b

! = SAFETY PARTS

C = Components marked

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[illegible]

