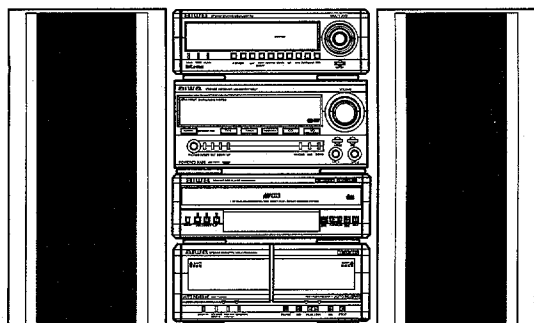


aiwa



XR-H1100 XR-AVH1200



COMPACT DISC STEREO
SYSTEM

- BASIC TAPE MECHANISM : 2ZM-3MK2 PR4NM
- BASIC CD MECHANISM : 4ZG-1 Z3NDSHM
- TYPE :EZ, K, HR

REVISION PUBLISHING

SYSTEM	AMPLIFIER	GRAPHIC EQUALIZER	CASSETTE DECK	CD PLAYER	SPEAKERS	REMOTE CONTROL
XR-H1100	MX-NH1100	GE-NH1100	FX-NH1100	DX-NH1100	SX-NAVH1200	RC-ZAS04
XR-AVH1200	MX-NAVH1200	GE-NAVH1200			SX-NAVH1200 SX-CR677	

- This Service Manual is the "Revision Publishing" and replaces "Simple Manual" XR-H1100 (EZ,K,HR), S/M Code No. 09-994-411-6T1, XR-AVH1200 (HR), S/M Code No. 09-995-411-7T1 and XR-AVH1200 (EZ,K), S/M Code No. 09-996-411-7T2.
- If requiring information about the CD mechanism, see Service Manual of 4ZG-1 (S/M Code No.09-992-325-4N2).

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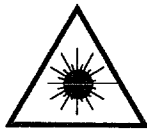
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PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

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 käyttäjän turvallisuusluokan 1 ylitävälle näkymättömälle lasersäteilylle.

WARNING!

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

CAUTION

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

ATTENTION

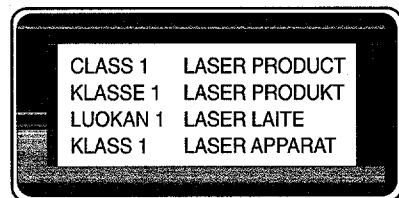
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

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

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

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



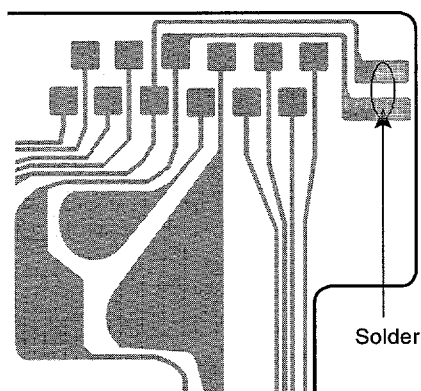
Precaution to replace Optical block

(KSS – 213F)

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 right figure.

PICK-UP Assy P.C.B



SPECIFICATIONS <XR-H1100>

<STEREO RECEIVER MX-NH1100>

<FM tuner section>

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	EZ,K: 16.8 dBf HR: 13.2 dBf
Antenna terminals	75 ohms (unbalanced)

<MW Tuner section>

Tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
Usable sensitivity	350 μ V/m
Antenna	Loop antenna

<LW Tuner section><EZ,K>

Tuning range	144 kHz to 290 kHz
Usable sensitivity	1400 μ V/m
Antenna	Loop antenna

<SW Tuner section><HR>

Tuning range	5.900 MHz to 17.900 MHz
Antenna	Wire antenna

<Amplifier section>

Power output	Rated: 65 W + 65 W EZ,K: (6 ohms, T.H.D. 1 %, 1 kHz/DIN 45500) HR: (1 kHz, T.H.D. 1 %, 6 ohms) Reference: 80 W + 80 W EZ,K: (6 ohms, T.H.D. 10 %, 1 kHz/DIN 45324) HR: (1 kHz, T.H.D. 10 %, 6 ohms) EZ,K: DIN MUSIC POWER: 145 W + 145 W
Total harmonic distortion	0.1 % (8 W, 1 kHz, 6 ohms, DIN AUDIO)
Inputs	VIDEO/AUX: 310 mV (adjustable) MD: 310 mV (adjustable) MIC 1, MIC 2: 1.2 mV (10 kohms)
Outputs	LINE OUT: 175 mV SPEAKERS: accept speakers of 6 ohms or more SURROUND SPEAKERS: accept speakers of 8 ohms to 16 ohms PHONES (stereo jack): accepts headphones of 32 ohms or more

<General>

Power requirements	EZ: 230 V AC, 50 Hz K: 230-240 V AC, 50 Hz HR: 120 V/ 220V-230V/ 240 V AC switchable 50/60 Hz
Power consumption	135 W
Dimensions of main unit (W x H x D)	284 x 122 x 337 mm
Weight of main unit	5.9 kg

<CASSETTE DECK FX-NH1100>

Track format	4 tracks, 2 channels stereo
Frequency response	Type II (high/CrO ₂) tape: 50 Hz - 16000 Hz Type I (normal) tape: 50 Hz - 15000 Hz
Signal-to-noise ratio	60 dB (Dolby B NR ON, Type II tape peak level)
Recording system	AC bias, AC erase
Heads	Deck 1: Playback head x 1 Deck 2: Recording/playback head x 1, erase head x 1
Dimensions of main unit (W x H x D)	284 x 122 x 315 mm
Weight of main unit	2.0 kg

<CD PLAYER DX-NH1100>

Laser	Semiconductor laser (λ = 780 nm)
D-A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.05 % (1 kHz, 0 dB)
Wow and flutter	Unmeasurable
Dimensions of main unit (W x H x D)	284 x 101 x 315 mm
Weight of main unit	2.3 kg

<GRAPHIC EQUALIZER GE-NH1100>

Dimensions of main unit (W x H x D)	284x 101 x 328 mm
Weight	1.7 kg

<SPEAKER SYSTEM SX-NAVH1200>

Cabinet type	3 way (magnetic shielded type)
Speakers	Woofer: 140 mm cone type x 2 Tweeter: 60 mm cone type Super tweeter: 20 mm ceramic type
Impedance	6 ohms
Output sound pressure level	88 dB/W/m
Dimensions (W x H x D)	250 x 443 x 250 mm
Weight	EZ,K: 7.0 kg HR: 6.0 kg

- Design and specifications are subject to change without notice.
- Manufactured under license from Dolby Laboratories Licensing Corporation.
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- The word "BBE" and the "BBE symbol" are trademarks of BBE Sound, Inc.
Under license from BBE Sound, Inc.

SPECIFICATIONS <XR-AVH1200>

<STEREO RECEIVER MX-NAVH1200>

<FM tuner section>

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	EZ,K: 16.8 dBf HR: 13.2 dBf
Antenna terminals	75 ohms (unbalanced)

<MW Tuner section>

Tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
Usable sensitivity	350 μ V/m
Antenna	Loop antenna

<LW Tuner section><EZ,K>

Tuning range	144 kHz to 290 kHz
Usable sensitivity	1400 μ V/m
Antenna	Loop antenna

<SW Tuner section><HR>

Tuning range	5.900 MHz to 17.900 MHz
Antenna	Wire antenna

<Amplifier section>

Power output	Front Rated: 65 W + 65 W EZ,K: (6 ohms, T.H.D. 1 %, 1 kHz/DIN 45500) HR: (1 kHz, T.H.D. 1 %, 6 ohms) Reference: 80 W + 80 W EZ,K: (6 ohms, T.H.D. 10 %, 1 kHz/DIN 45324) HR: (1 kHz, T.H.D. 10 %, 6 ohms) EZ,K: DIN MUSIC POWER: 150 W + 150 W Rear (Surround) Rated: 20 W + 20 W EZ,K: (8 ohms, T.H.D. 1 %, 1 kHz/DIN 45500) HR: (1 kHz, T.H.D. 1 %, 8 ohms) Reference: 25 W + 25 W EZ,K: (8 ohms, T.H.D. 10 %, 1 kHz/DIN 45324) HR: (1 kHz, T.H.D. 10 %, 8 ohms) EZ,K: DIN MUSIC POWER: 46 W + 46 W Center Rated: 20 W EZ,K: (8 ohms, T.H.D. 1 %, 1 kHz/DIN 45500) HR: (1 kHz, T.H.D. 1 %, 8 ohms) Reference: 25 W EZ,K: (8 ohms, T.H.D. 10 %, 1 kHz/DIN 45324) HR: (1 kHz, T.H.D. 10 %, 8 ohms) EZ,K: DIN MUSIC POWER: 46 W EZ,K: 0.1 % (8 W, 1 kHz, 6 ohms, DIN AUDIO/Front) HR: 0.1 % (8 W, 1 kHz, 6 ohms, DIN AUDIO)
Total harmonic distortion	
Inputs	VIDEO/AUX: 310 mV (adjustable) MD: 310 mV (adjustable) MIC 1, MIC 2: 1.2 mV (10 kohms) 5.1CH INPUT FRONT (L,R): 400 mV SURROUND (L,R): 400 mV CENTER: 400 mV SUB WOOFER: 400 mV LINE OUT: 175 mV SUB WOOFER<EZ,K>: 1V SPEAKERS: accept speakers of 6 ohms or more SURROUND SPEAKERS: accept speakers of 8 ohms to 16 ohms CENTER SPEAKER<EZ,K>: accept speakers of 8 ohms or more PHONES (stereo jack): accepts headphones of 32 ohms or more
Outputs	

<General>

Power requirements	EZ,K: 230 V AC, 50 Hz HR: 120 V/ 220V-230V/ 240 V AC switchable 50/60 Hz
Power consumption	EZ,HR: 155 W K: 160 W
Dimensions of main unit (W x H x D)	284 x 122 x 387 mm
Weight of main unit	5.9 kg

<CASSETTE DECK FX-NH1100>

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Frequency response	Type II (high/CrO ₂) tape: 50 Hz - 16000 Hz Type I (normal) tape: 50 Hz - 15000 Hz
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Recording system	AC bias, AC erase
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Impedance	6 ohms
Output sound pressure level	88 dB/W/m
Dimensions (W x H x D)	250 x 443 x 250 mm
Weight	EZ,K: 7.0 kg HR: 6.0 kg

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MODEL NO.

MX-NH1100/NAVH1200

ELECTRICAL MAIN PARTS LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF.NO.	PART NO.	KANRI NO.	DESCRIPTION	REF.NO.	PART NO.	KANRI NO.	DESCRIPTION
IC				87-A40-002-080			ZENER,MTZJ5.1C
	8Z-SP1-605-010		IC,UPD780228GF-034-3BA	87-A40-234-080			ZENER,MTZJ5.6A
	87-A20-914-010		IC,SPS-442-1-F	87-A40-442-080			ZENER,MTZJ9.1A
	87-A21-202-040		C-IC,M62445AFP	87-A40-270-080			C-DIODE MC2838
	87-A20-804-040		C-IC,NJM2152M	87-A40-500-080			ZENER,MTZJ30B
	87-017-888-080		IC,NJM4558MD	MAIN C.B			
	87-A20-869-040		C-IC,M62449FP	C101	87-010-917-090		CAP,E 3300-50 M SMG
	87-070-127-110		IC,LC72131 D	C102	87-010-917-090		CAP,E 3300-50 M SMG
	87-A20-913-010		IC,LA1837NL	C103	87-016-658-090		CAP,E 4700-35 SMG
	87-A21-051-040		C-IC,BU9990-03FS	C104	87-016-658-090		CAP,E 4700-35 SMG
	87-A21-097-040		C-IC,M62463AFP<1200>	C105	87-012-368-080		C-CAP,S 0.1-50 F
	87-A21-015-040		C-IC,M62491FP<1200>	C106	87-012-368-080		C-CAP,S 0.1-50 F
	87-A21-018-040		C-IC,M65849BFP631D	C107	87-012-368-080		C-CAP,S 0.1-50 F
	87-A20-440-040		C-IC,BU1920FS	C108	87-012-368-080		C-CAP,S 0.1-50 F
TRANSISTOR				C109	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-026-245-080		TR,DTC114ES	C110	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-026-610-080		TR,KTC3198GR	C111	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-A30-076-080		C-TR,2SC3052F	C112	87-010-196-080		CHIP CAPACITOR,0.1-25
	87-A30-083-080		TR,CSD1489B	C113	87-010-247-080		CAP, ELECT 100-50V
	87-A30-075-080		C-TR,2SA1235F	C114	87-010-385-080		CAP, ELECT 220-25V
	87-026-609-080		TR,KTA1266GR	C115	87-010-385-080		CAP, ELECT 220-25V
	89-213-702-010		TR,2SB1370 (1.8W)	C116	87-010-247-080		CAP, ELECT 100-50V
	87-A30-087-080		C-FET,2SK2158	C117	87-010-430-080		CAP, ELECT 100-63
	87-A30-257-080		C-TR,2SD1306E	C118	87-010-263-080		CAP, ELECT 100-10V
	87-A30-268-040		C-TR,2SA1514K(S)	C119	87-010-260-080		CAP, ELECT 47-25V
	87-A30-190-080		TR,CC5551	C120	87-010-403-080		CAP, ELECT 3.3-50V
	87-A30-071-080		C-TR,RT1N 144C	C121	87-010-174-080		CAP CHIP SL470P (K)
	87-A30-106-070		C-TR,CMBT5551	C122	87-010-403-080		CAP, ELECT 3.3-50V
	87-A30-072-080		C-TR,RT1P 144C	C123	87-010-247-080		CAP, ELECT 100-50V
	87-A30-073-080		C-TR,RT1N 141C	C124	87-010-112-080		CAP, ELECT 100-16V
	87-A30-074-080		C-TR,RT1P 141C	C125	87-010-235-080		CAP,E 470-16 SME
	87-026-263-080		C-TR,RN1410	C130	87-010-399-090		CAP,E 3300-35 SME<1200>
	89-333-266-080		C-TR,2SC326B	C131	87-010-399-090		CAP,E 3300-35 SME<1200>
	89-112-965-080		TR,2SA1296 (0.75W)	C132	87-012-368-080		C-CAP,S 0.1-50 F<1200>
	87-026-226-080		CHIP-TR,DTA143EK	C133	87-012-368-080		C-CAP,S 0.1-50 F<1200>
	87-A30-196-080		TR,2SC4115SRS	C190	87-010-196-080		CHIP CAPACITOR,0.1-25
	89-327-143-080		TR,2SC2714 (0.1W)	C201	87-010-322-080		C-CAP,S 100P-50 CH
	87-A30-086-070		C-TR,CSD1306E	C202	87-010-322-080		C-CAP,S 100P-50 CH
	89-503-602-080		C-FET,2SK360E	C209	87-010-405-080		CAP, ELECT 10-50V
	87-A30-108-010		TR,2SB1626	C210	87-010-405-080		CAP, ELECT 10-50V
	87-A30-109-010		TR,2SD2495	C211	87-010-183-080		C-CAP,S 2700P-50 B
	87-A30-186-010		FET,2SK3053	C212	87-010-183-080		C-CAP,S 2700P-50 B
	87-A30-137-010		TR,2SD2494	C213	87-010-187-080		CAP CHIP S5600P
	87-A30-138-010		TR,2SB1625	C214	87-010-187-080		CAP CHIP S5600P
DIODE				C215	87-010-405-080		CAP, ELECT 10-50V
	87-070-274-080		DIODE,1N4003 SEM	C216	87-010-405-080		CAP, ELECT 10-50V
	87-A40-547-090		DIODE,D5SBA20	C217	87-010-408-080		CAP, ELECT 47-50V
	87-017-447-010		DIODE,GBU4DL	C218	87-010-408-080		CAP, ELECT 47-50V
	87-020-465-080		DIODE,1SS133 (110MA)	C219	87-A10-516-080		C-CAP,S 100P-200 J CH
	87-A40-468-080		C-DIODE,HSM2836CTR	C220	87-A10-516-080		C-CAP,S 100P-200 J CH
	87-A40-469-080		C-DIODE,HSM2838CTR	C221	87-016-462-080		C-CAP,S 1-16 F
	87-A40-435-080		ZENER,MTZJ30D	C222	87-016-462-080		C-CAP,S 1-16 F
	87-A40-345-080		ZENER,MTZJ10C	C223	87-010-405-080		CAP, ELECT 10-50V
	87-A40-004-080		ZENER,MTZJ16A	C226	87-010-405-080		CAP, ELECT 10-50V
	87-070-345-080		DIODE,1N4148	C227	87-010-407-080		CAP, ELECT 33-50V
	87-017-931-080		ZENER,MTZJ5.6B	C229	87-010-407-080		CAP, ELECT 33-50V
	87-A40-370-090		DIODE,RK46-P20	C230	87-010-408-080		CAP, ELECT 47-50V
	87-070-136-080		ZENER,MTZJ5.1B	C231	87-010-186-080		CAP,CHIP 4700P
	87-A40-488-080		DIODE,1SS244	C232	87-010-186-080		CAP,CHIP 4700P
	87-A40-438-080		ZENER,MTZJ4.7A	C233	87-010-401-080		CAP, ELECT 1-50V
				C234	87-010-401-080		CAP, ELECT 1-50V
				C235	87-010-196-080		CHIP CAPACITOR,0.1-25

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C290	87-010-188-080		CAP,CHIP 6800P	C608	87-010-405-080		CAP, ELECT 10-50V
C301	87-010-402-080		CAP, ELECT 2.2-50V<1200>	C609	87-010-374-080		CAP, ELECT 47-10V
C302	87-010-402-080		CAP, ELECT 2.2-50V<1200>	C610	87-010-374-080		CAP, ELECT 47-10V
C303	87-010-178-080		CHIP CAP 1000P<1200>	C611	87-010-405-080		CAP, ELECT 10-50V
C304	87-010-178-080		CHIP CAP 1000P<1200>	C612	87-010-112-080		CAP, ELECT 100-16V
C305	87-010-404-080		CAP, ELECT 4.7-50V<1200>	C613	87-010-173-080		C-CAP,S 390P-50 SL
C306	87-010-404-080		CAP, ELECT 4.7-50V<1200>	C614	87-010-173-080		C-CAP,S 390P-50 SL
C307	87-010-322-080		C-CAP,S 100P-50 CH<1200>	C668	87-010-190-080		S CHIP F 0.01
C308	87-010-322-080		C-CAP,S 100P-50 CH<1200>	C701	87-010-402-080		CAP, ELECT 2.2-50V
C309	87-010-405-080		CAP, ELECT 10-50V<1200>	C702	87-010-402-080		CAP, ELECT 2.2-50V
C310	87-010-405-080		CAP, ELECT 10-50V<1200>	C703	87-016-669-080		C-CAP,S 0.1-25 K B
C313	87-010-260-080		CAP, ELECT 47-25V<1200>	C704	87-016-669-080		C-CAP,S 0.1-25 K B
C314	87-010-260-080		CAP, ELECT 47-25V<1200>	C705	87-016-460-080		C-CAP,S 0.22-16 B
C315	87-A10-596-080		C-CAP,S 100P-100 J CH<1200>	C706	87-016-460-080		C-CAP,S 0.22-16 B
C316	87-A10-596-080		C-CAP,S 100P-100 J CH<1200>	C707	87-012-365-080		C-CAP,S 0.027-25VBK
C317	87-010-544-080		CAP, ELECT 0.1-50V<1200>	C708	87-012-365-080		C-CAP,S 0.027-25VBK
C318	87-010-544-080		CAP, ELECT 0.1-50V<1200>	C709	87-010-956-080		CHIP-CAP,S 0.068-25B
C319	87-010-182-080		C-CAP,S 2200P-50 B<1200>	C710	87-010-956-080		CHIP-CAP,S 0.068-25B
C321	87-012-145-080		CAP, CHIP S 270P CH<1200>	C711	87-010-197-080		CAP, CHIP 0.01 DM
C322	87-012-145-080		CAP, CHIP S 270P CH<1200>	C712	87-010-197-080		CAP, CHIP 0.01 DM
C323	87-016-462-080		C-CAP,S 1-16 F<1200>	C713	87-010-198-080		CAP, CHIP 0.022
C324	87-016-462-080		C-CAP,S 1-16 F<1200>	C714	87-010-198-080		CAP, CHIP 0.022
C351	87-010-402-080		CAP, ELECT 2.2-50V<1200>	C715	87-010-183-080		C-CAP,S 2700P-50 B
C352	87-010-178-080		CHIP CAP 1000P<1200>	C716	87-010-183-080		C-CAP,S 2700P-50 B
C353	87-010-404-080		CAP, ELECT 4.7-50V<1200>	C717	87-010-188-080		CAP,CHIP 6800P
C354	87-010-322-080		C-CAP,S 100P-50 CH<1200>	C718	87-010-188-080		CAP,CHIP 6800P
C355	87-010-405-080		CAP, ELECT 10-50V<1200HR>	C719	87-010-178-080		CHIP CAP 1000P
C355	87-010-404-080		CAP, ELECT 4.7-50V<1200EZ,K>	C720	87-010-178-080		CHIP CAP 1000P
C357	87-010-260-080		CAP, ELECT 47-25V<1200>	C721	87-010-182-080		C-CAP,S 2200P-50 B
C358	87-A10-596-080		C-CAP,S 100P-100 J CH<1200>	C722	87-010-182-080		C-CAP,S 2200P-50 B
C359	87-010-544-080		CAP, ELECT 0.1-50V<1200>	C730	87-010-404-080		CAP, ELECT 4.7-50V
C360	87-012-145-080		CAP, CHIP S 270P CH<1200>	C731	87-010-112-080		CAP, ELECT 100-16V
C361	87-016-462-080		C-CAP,S 1-16 F<1200>	C735	87-010-322-080		C-CAP,S 100P-50 CH
C381	87-010-402-080		CAP, ELECT 2.2-50V<1200>	C736	87-010-322-080		C-CAP,S 100P-50 CH
C391	87-010-260-080		CAP, ELECT 47-25V<1200>	C737	87-010-322-080		C-CAP,S 100P-50 CH
C503	87-010-180-080		C-CER 1500P	C738	87-010-196-080		CHIP CAPACITOR,0.1-25
C504	87-010-180-080		C-CER 1500P	C900	87-010-178-080		CHIP CAP 1000P<1200>
C511	87-010-405-080		CAP, ELECT 10-50V	C901	87-010-182-080		C-CAP,S 2200P-50 B
C512	87-010-405-080		CAP, ELECT 10-50V	C902	87-010-182-080		C-CAP,S 2200P-50 B
C513	87-010-404-080		CAP, ELECT 4.7-50V	C903	87-010-196-080		CHIP CAPACITOR,0.1-25
C514	87-010-404-080		CAP, ELECT 4.7-50V	C904	87-010-196-080		CHIP CAPACITOR,0.1-25
C519	87-012-142-080		CAP, S 0.33-16	C905	87-010-196-080		CHIP CAPACITOR,0.1-25
C520	87-016-669-080		C-CAP,S 0.1-25 K B	C906	87-010-196-080		CHIP CAPACITOR,0.1-25
C521	87-016-083-080		C-CAP,S 0.15-16 RK	C907	87-010-190-080		S CHIP F 0.01
C522	87-010-183-080		C-CAP,S 2700P-50 B	C908	87-010-190-080		S CHIP F 0.01
C523	87-016-669-080		C-CAP,S 0.1-25 K B	C909	87-012-368-080		C-CAP,S 0.1-50 F
C525	87-010-404-080		CAP, ELECT 4.7-50V	C910	87-012-368-080		C-CAP,S 0.1-50 F
C526	87-010-404-080		CAP, ELECT 4.7-50V	C911	87-010-190-080		S CHIP F 0.01
C531	87-010-405-080		CAP, ELECT 10-50V	C912	87-010-190-080		S CHIP F 0.01<1200>
C532	87-010-263-080		CAP, ELECT 100-10V	C913	87-010-182-080		C-CAP,S 2200P-50 B<1200>
C533	87-010-263-080		CAP, ELECT 100-10V	C914	87-010-190-080		S CHIP F 0.01<1200(EZ,K)>
C534	87-010-406-080		CAP, ELECT 22-50	C915	87-010-190-080		S CHIP F 0.01<1200(EZ,K)>
C535	87-010-195-080		C-CAP,S 0.068-25 F	C916	87-010-190-080		S CHIP F 0.01<1200(EZ,K)>
C536	87-012-142-080		CAP, S 0.33-16	C917	87-010-190-080		S CHIP F 0.01<1200(EZ,K)>
C537	87-010-196-080		CHIP CAPACITOR,0.1-25	C920	87-012-157-080		C-CAP,S 330P-50 CH
C538	87-010-404-080		CAP, ELECT 4.7-50V	C921	87-012-157-080		C-CAP,S 330P-50 CH
C539	87-010-404-080		CAP, ELECT 4.7-50V	C922	87-012-157-080		C-CAP,S 330P-50 CH
C540	87-010-320-080		CHIP CAP 68P	C923	87-012-157-080		C-CAP,S 330P-50 CH
C541	87-010-320-080		CHIP CAP 68P	C924	87-012-157-080		C-CAP,S 330P-50 CH<EZ,K>
C542	87-010-320-080		CHIP CAP 68P	C925	87-012-157-080		C-CAP,S 330P-50 CH<EZ,K>
C545	87-010-196-080		CHIP CAPACITOR,0.1-25	C941	87-010-196-080		CHIP CAPACITOR,0.1-25<1200>
C547	87-010-401-080		CAP, ELECT 1-50V	C942	87-010-196-080		CHIP CAPACITOR,0.1-25<1200>
C548	87-010-401-080		CAP, ELECT 1-50V	C943	87-010-993-080		C-CAP,S 0.056-25 B<1200>
C601	87-010-401-080		CAP, ELECT 1-50V	C944	87-010-993-080		C-CAP,S 0.056-25 B<1200>
C602	87-010-401-080		CAP, ELECT 1-50V	C945	87-010-196-080		CHIP CAPACITOR,0.1-25<1200>
C603	87-010-182-080		C-CAP,S 2200P-50 B	C946	87-010-993-080		C-CAP,S 0.056-25 B<1200>
C604	87-010-182-080		C-CAP,S 2200P-50 B	C951	87-010-401-080		CAP, ELECT 1-50V
C605	87-010-369-080		C-CAP,S 0.033-25 K B	C952	87-010-263-080		CAP, ELECT 100-10V
C606	87-010-369-080		C-CAP,S 0.033-25 K B	C953	87-010-380-080		CAP, ELECT 47-16V
C607	87-010-405-080		CAP, ELECT 10-50V	CN121	87-049-919-010		CONN,3P EH V WHT

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
CN123	87-049-469-010		CONN,4P V	C202	87-010-264-040		CAP,E 100-10 5L
CN131	87-049-919-010		CONN,3P EH V WHT<1200>	C203	87-016-081-080		C-CAP,S 0.1-16 RK
CN601	87-099-196-010		CONN,8P 6216V<1100>	C204	87-010-981-040		CAP,E 22-35 5L SRE
CN611	87-099-194-010		CONN,6P 6216V<1200>	C205	87-010-194-080		CAP, CHIP 0.047
CN621	87-A60-063-010		CONN,4P V 9604S-04C<EZ,K>	C206	87-010-405-040		CAP,E 10-50
CN901	87-099-719-010		CONN,30P TYK-B(X)	C207	87-010-194-080		CAP, CHIP 0.047
CN902	87-009-877-010		CONN,9P FG	C208	87-A10-189-040		CAP,E 220-10
CN903	87-009-063-010		CONNECTOR 11P	C209	87-010-071-040		CAP,E 1-50 M 5L SRE
CN906	87-A60-058-010		CONN,10P V 9604S-10C	C211	87-012-140-080		CAP 470P
CN907	87-A60-057-010		CONN,11P V 9604S-11C	C220	87-016-669-080		C-CAP,S 0.1-25 K B
CN951	87-A60-109-010		CONN,2P V S2M-2W	C221	87-016-669-080		C-CAP,S 0.1-25 K B
FB179	87-008-372-080		FILTER,EMI BL OIRNI<1200(EZ,K)>	C222	87-010-401-040		CAP,E 1-50 SME
FB501	87-003-223-010		FERRITE BEAD BLO2RN2	C241	87-010-178-080		CHIP CAP 1000P
FB503	87-008-372-080		FILTER,EMI BL OIRNI<1200(EZ,K)>	C242	87-010-318-080		C-CAP,S 47P-50 CH
FB504	87-008-372-080		FILTER,EMI BL OIRNI<1200(EZ,K)>	C243	87-010-314-080		C-CAP,S 22P-50V
FB901	87-008-372-080		FILTER,EMI BL OIRNI	C244	87-010-316-080		C-CAP,S 33P-50 CH
FB902	87-008-372-080		FILTER,EMI BL OIRNI<1200(EZ,K)>	C247	87-016-669-080		C-CAP,S 0.1-25 K B
FB903	87-008-372-080		FILTER,EMI BL OIRNI<1200(EZ,K)>	C248	87-010-192-080		C-CAP,S 0.022-50 F
J901	87-A60-483-010		JACK,DIA6.3 BLK ST W/S KM<1200>	C251	87-010-197-080		CAP, CHIP 0.01 DM
J902	87-A60-617-010		TERMINAL,SP 4P (MSC)	C252	87-010-197-080		CAP, CHIP 0.01 DM
J903	87-A60-653-010		JACK,PIN 4P BLK/BLK<1100>	C253	87-A10-189-040		CAP,E 220-10
J903	87-A60-652-010		JACK,PIN 4P ORN/BLK<1200>	C254	87-010-197-080		CAP, CHIP 0.01 DM
J904	87-A60-684-010		JACK,PIN 6P OR/BLK/RED<1200>	C255	87-018-134-080		CAPACITOR,TC-U 0.01-16
J905	87-A60-658-010		JACK,PIN 6P WHITE/RED	C301	87-010-404-040		CAP,E 4.7-50 SME
L601	87-005-372-080		COIL,1MH-K LALO3<EZ,K>	C302	87-010-404-040		CAP,E 4.7-50 SME
L602	87-005-372-080		COIL,1MH-K LALO3<EZ,K>	C340	87-010-175-080		CAP 560P
L901	87-003-383-010		COIL,1UH-S	C341	87-010-175-080		CAP 560P
L902	87-003-383-010		COIL,1UH-S	C342	87-010-175-080		CAP 560P
L911	87-003-383-010		COIL,1UH-S<1200>	C343	87-010-175-080		CAP 560P
L912	87-003-383-010		COIL,1UH-S<1200>	C344	87-010-175-080		CAP 560P
L913	87-003-383-010		COIL,1UH-S<1200>	C345	87-010-175-080		CAP 560P
PIN611	87-099-570-010		CONN,13P TUC-P13P-B1<1200>	C346	87-010-175-080		CAP 560P
PIN612	87-099-568-010		CONN,11P TUC-P11P-B1<1200>	C347	87-010-175-080		CAP 560P
PR201	87-002-330-080		ICP-N5	C348	87-010-175-080		CAP 560P
R237	87-A00-262-080		RES,M/F 0.15-2W J	C349	87-010-175-080		CAP 560P
R238	87-A00-262-080		RES,M/F 0.15-2W J	C601	87-010-405-040		CAP,E 10-50
R239	87-A00-262-080		RES,M/F 0.15-2W J	C602	87-010-176-080		C-CAP,S 680P-50 SL
R240	87-A00-262-080		RES,M/F 0.15-2W J	C603	87-010-186-080		CAP,CHIP 4700P
R331	87-022-050-080		RES,M/F 0.22-1W J<1200>	C604	87-010-166-080		C-CAP,S 100P-50 SL
R332	87-022-050-080		RES,M/F 0.22-1W J<1200>	C605	87-010-321-080		CHIP CAPACITOR,82P(J)
R333	87-022-050-080		RES,M/F 0.22-1W J<1200>	C606	87-010-490-040		CAP, ELECT 0.1-50
R334	87-022-050-080		RES,M/F 0.22-1W J<1200>	C608	87-010-166-080		C-CAP,S 100P-50 SL
R366	87-022-050-080		RES,M/F 0.22-1W J<1200>	C609	87-010-545-040		CAP,E 0.22-50 SME
R367	87-022-050-080		RES,M/F 0.22-1W J<1200>	C610	87-010-177-080		C-CAP,S 820P-50 SL
R807	87-022-214-080		C-RES S100K-1/10WF<1200>	C611	87-010-981-040		CAP,E 22-35 5L SRE
R909	87-A00-440-050		RES,220-1/2W J RP	C614	87-010-248-040		CAP,E 220-10 SME
R910	87-A00-440-050		RES,220-1/2W J RP	C615	87-010-075-040		CAP,E 10-16 5L<1100>
R911	87-A00-440-050		RES,220-1/2W J RP	C615	87-010-498-040		CAP,E 10-16 GAS<1200>
R912	87-A00-440-050		RES,220-1/2W J RP	C619	87-016-526-080		C-CAP,S 0.47-16 BK
R913	87-A00-527-080		RES,10-1/4W J NAT	C801	87-010-170-080		S CHIP SL 220P(K)
R914	87-A00-527-080		RES,10-1/4W J NAT	C802	87-010-176-080		C-CAP,S 680P-50 SL
R915	87-A00-527-080		RES,10-1/4W J NAT	C803	87-010-187-080		CAP CHIP S5600P
R916	87-A00-527-080		RES,10-1/4W J NAT	C804	87-010-213-080		C-CAP,S 0.015-50 B
R941	87-A00-527-080		RES,10-1/4W J NAT<1200>	C806	87-010-494-040		CAP,E 1-50 GAS
R942	87-A00-527-080		RES,10-1/4W J NAT<1200>	C807	87-010-196-080		CHIP CAPACITOR,0.1-25
R945	87-A00-527-080		RES,10-1/4W J NAT<1200>	C809	87-012-155-080		C-CAP 180P-50CH
TH201	87-A91-081-080		C-THMS,100K-K 20P	C810	87-010-264-040		CAP,E 100-10 5L
TH202	87-A91-081-080		C-THMS,100K-K 20P	C811	87-010-552-040		CAP,E 22-16 GAS
W101	8Z-SP1-627-010		F-CABLE,7P 2.5 280MM	C812	87-010-560-040		CAP,E 10-50 GAS
W601	88-908-281-110		FF-CABLE,8P-1.25 280MM<1100>	C821	87-010-318-080		C-CAP,S 47P-50 CH
W611	88-906-301-110		FF-CABLE,6P-1.25<1200>	C822	87-010-318-080		C-CAP,S 47P-50 CH
W621	88-904-151-110		FF-CABLE,4P-1.25 150MM<1100>	C823	87-010-318-080		C-CAP,S 47P-50 CH
W906	88-910-071-110		FF-CABLE,10P-1.25 70MM	C901	87-012-141-080		CHIP-CAPACITOR,0.22-16F<1100>
W907	88-911-121-110		FF-CABLE,11P-1.25	C902	87-012-141-080		CHIP-CAPACITOR,0.22-16F<1100>
WH102	87-A90-460-010		HLDR,WIRE 2.5-7P	C903	87-016-526-080		C-CAP,S 0.47-16 BK<1100>
FRONT C.B				C904	87-010-183-080		C-CAP,S 2700P-50 B<1100>
C101	87-010-196-080		CHIP CAPACITOR,0.1-25	C905	87-010-176-080		C-CAP,S 680P-50 SL<1100>
C201	87-010-192-080		C-CAP,S 0.022-50 F	C906	87-016-552-080		C-CAP,S 0.082-16 B K<1100>
				C907	87-016-552-080		C-CAP,S 0.082-16 B K<1100>
				C908	87-010-183-080		C-CAP,S 2700P-50 B<1100>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
C909	87-010-176-080		C-CAP,S 680P-50 SL<1100>	C808	87-010-401-080		CAP, ELECT 1-50V
C910	87-012-142-080		CAP, S 0.33-16<1100>	C809	87-010-196-080		CHIP CAPACITOR,0.1-25
C911	87-010-196-080		CHIP CAPACITOR,0.1-25<1100>	C810	87-010-112-080		CAP, ELECT 100-16V
C912	87-016-526-080		C-CAP,S 0.47-16 BK<1100>	C811	87-010-402-080		CAP, ELECT 2.2-50V
C913	87-010-401-040		CAP,E 1-50 SME<1100>	C812	87-010-402-080		CAP, ELECT 2.2-50V
C914	87-010-494-040		CAP,E 1-50 GAS<1100>	C813	87-010-401-080		CAP, ELECT 1-50V
C915	87-010-184-080		CHIP CAPACITOR 3300P(K)<1100>	C814	87-010-401-080		CAP, ELECT 1-50V
C916	87-010-184-080		CHIP CAPACITOR 3300P(K)<1100>	C815	87-010-546-080		CAP, ELECT 0.33-50V
C917	87-010-553-040		CAP,E 47-16 GAS<1100>	C816	87-010-546-080		CAP, ELECT 0.33-50V
C918	87-010-196-080		CHIP CAPACITOR,0.1-25<1100>	C817	87-010-221-080		CAP, ELECT 470-10V
C919	87-010-264-040		CAP,E 100-10 5L<1100>	C818	87-A10-891-080		CAP,E 4.7-25 SME(K)
C920	87-010-318-080		C-CAP,S 47P-50 CH<1100>	C819	87-A10-800-080		C-CAP,S 6800P-16 J B CM
C921	87-010-318-080		C-CAP,S 47P-50 CH<1100>	C820	87-010-374-080		CAP, ELECT 47-10V
C922	87-010-318-080		C-CAP,S 47P-50 CH<1100>	C821	87-010-196-080		CHIP CAPACITOR,0.1-25
CN101	87-099-720-010		CONN,30P TYK-B(P)	C822	87-A10-804-080		C-CAP,S 0.1-25 J B
CN601	87-099-199-010		CONN,6P 6216 H<1200>	C823	87-A10-800-080		C-CAP,S 6800P-16 J B CM
CN901	87-099-201-010		CONN,8P 6216 H<1100>	C824	87-010-374-080		CAP, ELECT 47-10V
FB101	87-008-372-080		FILTER, EMI BL OIRNI	C825	87-010-196-080		CHIP CAPACITOR,0.1-25
FB601	87-008-372-080		FILTER, EMI BL OIRNI	C829	87-010-544-080		CAP, ELECT 0.1-50V
FL301	8Z-SP1-617-010		FL,10-BT-218GNK	C830	87-010-546-080		CAP, ELECT 0.33-50V
J601	87-A60-651-010		JACK,3.5MONO	C831	87-010-971-080		C-CAP,S 4700P-50 B J
J602	87-A60-651-010		JACK,3.5MONO	C832	87-012-349-080		C-CAP,S 1000P-50 CH
L101	87-005-130-080		COIL,10UH K<1100>	C837	87-010-971-080		C-CAP,S 4700P-50 B J
L801	87-A50-093-010		COIL,CLOCK 5.76MHZ	C838	87-012-349-080		C-CAP,S 1000P-50 CH
LED201	87-A40-589-040		LED,SLR-56VCT31 RED	C839	87-010-401-080		CAP, ELECT 1-50V
LED301	87-A40-619-040		LED,SLR-56PT-T31-W GRN	C840	87-010-401-080		CAP, ELECT 1-50V
LED302	87-A40-619-040		LED,SLR-56PT-T31-W GRN	C841	87-A10-799-080		C-CAP,S 5600P-16 J B CM
LED303	87-A40-619-040		LED,SLR-56PT-T31-W GRN	C842	87-A10-802-080		C-CAP,S 0.047-16 J B CM
LED304	87-A40-619-040		LED,SLR-56PT-T31-W GRN	C843	87-A10-229-080		C-CAP,S 0.68-10 K W5
LED305	87-A40-619-040		LED,SLR-56PT-T31-W GRN	C844	87-012-393-080		C-CAP,S 0.22-16 R K
LED306	87-A40-589-040		LED,SLR-56VCT31 RED<1100>	C845	87-012-393-080		C-CAP,S 0.22-16 R K
LED306	87-A40-606-040		LED,SLR-332VC<1200>	C846	87-010-404-080		CAP, ELECT 4.7-50V
LED307	87-A40-589-040		LED,SLR-56VCT31 RED<1100>	C847	87-010-404-080		CAP, ELECT 4.7-50V
LED307	87-A40-606-040		LED,SLR-332VC<1200>	C848	87-012-393-080		C-CAP,S 0.22-16 R K
LED308	87-A40-589-040		LED,SLR-56VCT31 RED<1100>	C849	87-012-393-080		C-CAP,S 0.22-16 R K
LED308	87-A40-606-040		LED,SLR-332VC<1200>	C850	87-016-081-080		C-CAP,S 0.1-16 RK
LED309	87-A40-589-040		LED,SLR-56VCT31 RED<1100>	C851	87-A10-802-080		C-CAP,S 0.047-16 J B CM
LED309	87-A40-606-040		LED,SLR-332VC<1200>	C852	87-A10-802-080		C-CAP,S 0.047-16 J B CM
LED310	87-A40-589-040		LED,SLR-56VCT31 RED<1100>	C853	87-016-081-080		C-CAP,S 0.1-16 RK
LED310	87-A40-606-040		LED,SLR-332VC<1200>	C854	87-016-081-080		C-CAP,S 0.1-16 RK
S301	87-A90-095-080		SW,TACT EVQ11G04M	C855	87-A10-801-080		C-CAP,S 0.022-16 J B CM
S302	87-A90-095-080		SW,TACT EVQ11G04M	C856	87-A10-801-080		C-CAP,S 0.022-16 J B CM
S303	87-A90-095-080		SW,TACT EVQ11G04M	C857	87-016-081-080		C-CAP,S 0.1-16 RK
S304	87-A90-095-080		SW,TACT EVQ11G04M	C861	87-010-196-080		CHIP CAPACITOR,0.1-25
S305	87-A90-095-080		SW,TACT EVQ11G04M	C863	87-010-263-080		CAP, ELECT 100-10V
S306	87-A90-095-080		SW,TACT EVQ11G04M	C865	87-016-460-080		C-CAP,S 0.22-16 B
S307	87-A90-095-080		SW,TACT EVQ11G04M	C866	87-010-194-080		CAP, CHIP 0.047
S308	87-A90-095-080		SW,TACT EVQ11G04M	C867	87-A10-201-080		C-CAP,S0.33-16 KB
S309	87-A90-095-080		SW,TACT EVQ11G04M	C868	87-A10-060-080		C-CAP,S 0.18-16 K B
S310	87-A90-095-080		SW,TACT EVQ11G04M	C878	87-010-401-080		CAP, ELECT 1-50V
S311	87-A90-095-080		SW,TACT EVQ11G04M	C879	87-010-179-080		CAP,CHIP S B1200P
S312	87-A90-095-080		SW,TACT EVQ11G04M	C880	87-010-179-080		CAP,CHIP S B1200P
S313	87-A90-095-080		SW,TACT EVQ11G04M	C890	87-012-358-080		C-CAP,S 0.47-10 F Z
S314	87-A90-095-080		SW,TACT EVQ11G04M	C891	87-010-401-080		CAP, ELECT 1-50V
S315	87-A90-095-080		SW,TACT EVQ11G04M	C892	87-010-401-080		CAP, ELECT 1-50V
S316	87-A90-095-080		SW,TACT EVQ11G04M<EZ,K>	C893	87-010-401-080		CAP, ELECT 1-50V
S317	87-A90-095-080		SW,TACT EVQ11G04M<EZ,K>	C894	87-010-263-080		CAP, ELECT 100-10V
S318	87-A90-095-080		SW,TACT EVQ11G04M<EZ,K>	C895	87-010-195-080		C-CAP,S 0.068-25 F
SW201	87-A91-342-010		SW,RTRY EC16B24104W/O D L20	C896	87-010-260-080		CAP, ELECT 47-25V
X201	87-A70-075-080		VIB,CER 4.19MHZ CRHF	CN401	87-099-559-010		CONN,13P TUC-P13X-B1<1200>
PRO C.B <1200>				CN402	87-099-557-010		CONN,11P TUC-P11X-B1<1200>
C801	87-010-176-080		C-CAP,S 680P-50 SL	TUNER C.B			
C802	87-010-176-080		C-CAP,S 680P-50 SL				
C803	87-010-958-080		CHIP -CAP,S 0.01-25BJ	C701	87-010-260-080		CAP, ELECT 47-25V
C804	87-010-958-080		CHIP -CAP,S 0.01-25BJ	C702	87-010-404-080		CAP, ELECT 4.7-50V
C805	87-010-958-080		CHIP -CAP,S 0.01-25BJ	C703	87-012-286-080		CAP, U 0.01-25
C806	87-010-958-080		CHIP -CAP,S 0.01-25BJ	C704	87-012-286-080		CAP, U 0.01-25
C807	87-010-401-080		CAP, ELECT 1-50V	C709	87-012-195-080		C-CAP,U 100P-50CH

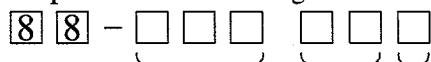
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C711	87-010-263-080		CAP, ELECT 100-10V	C859	87-012-286-080		CAP, U 0.01-25<EZ,K>
C712	87-010-196-080		CHIP CAPACITOR,0.1-25	C861	87-012-266-080		C-CAP,U 220P-50 B<1100(EZ,K)>
C713	87-012-286-080		CAP, U 0.01-25	C861	87-012-199-080		C-CAP,U 2200P-50 CH<1200(EZ,K)>
C714	87-012-286-080		CAP, U 0.01-25	C862	87-012-266-080		C-CAP,U 220P-50 B<1100(EZ,K)>
C715	87-012-195-080		C-CAP,U 100P-50CH<EZ,K>	C862	87-012-199-080		C-CAP,U 2200P-50 CH<1200(EZ,K)>
C717	87-012-286-080		CAP, U 0.01-25	C863	87-012-270-080		C-CAP,U 470P-50 KB<EZ,K>
C719	87-012-286-080		CAP, U 0.01-25	C864	87-010-405-080		CAP, ELECT 10-50V<EZ,K>
C720	87-012-195-080		C-CAP,U 100P-50CH	C865	87-010-196-080		CHIP CAPACITOR,0.1-25<EZ,K>
C721	87-012-176-080		CAP 15P	C866	87-010-405-080		CAP, ELECT 10-50V<1100(EZ,K)>
C722	87-012-176-080		CAP 15P	C866	87-012-273-080		C-CAP,U 820P-50 B<1200(EZ,K)>
C723	87-012-274-080		CHIP CAP,U 1000P-50B	C867	87-012-286-080		CAP, U 0.01-25<EZ,K>
C725	87-012-274-080		CHIP CAP,U 1000P-50B	C868	87-012-184-080		C-CAP,U 33P-50 J CH<EZ,K>
C727	87-010-196-080		CHIP CAPACITOR,0.1-25	C869	87-012-180-080		C-CAP,U 22P-50 J CH<EZ,K>
C728	87-010-248-080		CAP, ELECT 220-10V	C940	87-012-286-080		CAP, U 0.01-25
C753	87-010-263-080		CAP, ELECT 100-10V<EZ,K>	C941	87-012-182-080		C-CAP,U 27P-50 CH<HR>
C755	87-012-286-080		CAP, U 0.01-25	C942	87-012-172-080		C-CAP,U 0.01-25 K B<EZ,K>
C756	87-012-286-080		CAP, U 0.01-25	C943	87-012-286-080		CAP, U 0.01-25<HR>
C757	87-012-188-080		C-CAP,U 47P-50 CH	C944	87-010-575-080		C-CAP,S 560P-50 UJ<HR>
C758	87-012-167-080		C-CAP,U 5P-50 CH	C945	87-012-286-080		CAP, U 0.01-25<HR>
C761	87-010-196-080		CHIP CAPACITOR,0.1-25	C947	87-012-286-080		CAP, U 0.01-25
C762	87-012-286-080		CAP, U 0.01-25	C949	87-A10-039-080		C-CAP,U 470P-50 J CH<EZ,K>
C763	87-010-829-080		CAP, U 0.047-16	C950	87-A10-913-080		C-CAP, 4700P-50 J CH<HR>
C764	87-012-337-080		C-CAP,U 56P-50 CH<HR>	C952	87-012-286-080		CAP, U 0.01-25
C765	87-012-286-080		CAP, U 0.01-25	C953	87-012-286-080		CAP, U 0.01-25<HR>
C766	87-012-286-080		CAP, U 0.01-25	C954	87-010-400-080		CAP, ELECT 0.47-50V<HR>
C768	87-012-286-080		CAP, U 0.01-25	C956	87-010-263-080		CAP, ELECT 100-10V<HR>
C769	87-010-260-080		CAP, ELECT 47-25V	C958	87-012-286-080		CAP, U 0.01-25<EZ,K>
C770	87-010-829-080		CAP, U 0.047-16	C959	87-010-196-080		CHIP CAPACITOR,0.1-25
C771	87-010-407-080		CAP, ELECT 33-50V	C960	87-010-196-080		CHIP CAPACITOR,0.1-25
C772	87-010-829-080		CAP, U 0.047-16	C962	87-010-401-080		CAP, ELECT 1-50V
C773	87-015-785-080		CHIP CAPACITOR, 0.1FZ-25Z	C964	87-012-170-080		C-CAP,U 8P-50 CH<HR>
C774	87-010-263-080		CAP, ELECT 100-10V	CF801	87-008-423-010		CERAMIC FILTER, SFE10.7<EZ,K>
C775	87-010-404-080		CAP, ELECT 4.7-50V	CF801	87-008-261-010		FILTER, SFE10.7MA5-A<HR>
C776	87-012-286-080		CAP, U 0.01-25<EZ,K>	CF802	82-785-747-010		CF MS2 GHY R<EZ,K>
C777	87-010-400-080		CAP, ELECT 0.47-50V	CF802	87-008-261-010		FILTER, SFE10.7MA5-A<HR>
C778	87-010-401-080		CAP, ELECT 1-50V	CN601	87-099-028-010		CONN,11P 6216 H
C779	87-010-401-080		CAP, ELECT 1-50V	CN602	87-099-211-010		CONN,4P V BLK 6216<EZ,K>
C780	87-010-196-080		CHIP CAPACITOR,0.1-25	FFB801	A8-6ZA-191-130		6ZA-1 FEENM<EZ,K>
C781	87-010-405-080		CAP, ELECT 10-50V	FFB801	A8-8ZA-190-030		8ZA-1 FEUNM<HR>
C782	87-010-405-080		CAP, ELECT 10-50V	J801	87-A60-657-010		TERMINAL,4P HSP-154V5-02<HR>
C783	87-012-286-080		CAP, U 0.01-25	J802	87-033-241-010		TERMINAL,ANT 2P<EZ,K>
C784	87-012-286-080		CAP, U 0.01-25	J940	81-754-629-010		CONNECTOR, 2P<HR>
C785	87-010-805-080		CAP, S 1-16	L612	87-005-372-080		COIL S 1MHM<1200(EZ,K)>
C786	87-010-805-080		CAP, S 1-16	L613	87-005-372-080		COIL S 1MHM<1200(EZ,K)>
C787	87-012-282-080		C-CAP,U 4700P-50 KB<EZ,K>	L771	87-A50-266-010		COIL,FM DET-2N(TOK)
C787	87-012-280-080		CAP, U 3300P-50<HR>	L772	87-A90-052-010		FLTR,CFMT-450A(TOK)<HR>
C788	87-012-282-080		C-CAP,U 4700P-50 KB<EZ,K>	L772	87-A90-733-010		FLTR,PCFAZH-450<EZ,K>
C788	87-012-280-080		CAP, U 3300P-50<HR>	L781	87-005-847-080		COIL,2.2UH(CECS)
C789	87-012-275-080		C-CAP,U 1200P-50 B	L791	87-A50-027-010		COIL,1 POLE MPX(TOK)
C790	87-012-275-080		C-CAP,U 1200P-50 B	L792	87-A50-027-010		COIL,1 POLE MPX(TOK)
C791	87-010-405-080		CAP, ELECT 10-50V	L832	87-005-847-080		COIL,2.2UH(CECS)
C793	87-012-275-080		C-CAP,U 1200P-50 B<EZ,K>	L941	87-A50-020-010		COIL,ANT LW(COI)252KHZ<EZ,K>
C793	87-012-273-080		C-CAP,U 820P-50 B<HR>	L941	87-A50-022-010		COIL,ANT SW(COI)<HR>
C794	87-010-406-080		CAP, ELECT 22-50	L942	87-A50-019-010		COIL,OSC LW (COI)<EZ,K>
C795	87-A10-504-080		C-CAP,U 0.047-16 K B	L942	87-A50-173-010		COIL,OSC SW-N(COI)<HR>
C796	87-010-403-080		CAP, ELECT 3.3-50V	L943	87-005-372-080		COIL S 1MHM<HR>
C797	87-012-276-080		CAP, CHIP SS 1500 PBK	L944	87-A50-159-010		COIL,10MH K C2B<HR>
C798	87-012-276-080		CAP, CHIP SS 1500 PBK	L981	87-NF4-651-110		COIL,AM PACK2N(TOM)<EZ,K>
C799	87-010-829-080		CAP, U 0.047-16	L981	88-NF8-625-110		COIL,AM PACK3N(TOK)<HR>
C812	87-012-286-080		CAP, U 0.01-25	TC941	87-011-173-010		CERAMIC TRIMMER 20P<HR>
C813	87-010-197-080		CAP, CHIP 0.01 DM<HR>	TC942	87-011-164-010		CAPACITOR,TRIMMER 30P<EZ,K>
C814	87-012-286-080		CAP, U 0.01-25	TC943	87-011-164-010		CAPACITOR,TRIMMER 30P<HR>
C818	87-010-196-080		CHIP CAPACITOR,0.1-25<EZ,K>	X721	87-A70-061-010		VIB,XTAL 4.500MHZ CSA-309
C819	87-010-197-080		CAP, CHIP 0.01 DM<HR>	X771	87-030-354-010		VIB,CF BFU 450C<HR>
C820	87-010-260-080		CAP, ELECT 47-25V	X851	87-A70-091-010		VIB,XTAL 4.332MHZ<EZ,K>
C821	87-012-286-080		CAP, U 0.01-25				
C822	87-012-286-080		CAP, U 0.01-25	VM C.B			
C823	87-012-286-080		CAP, U 0.01-25				
C828	87-010-196-080		CHIP CAPACITOR,0.1-25	CN122	84-NF1-650-010		CONN ASSY,3P (S-M)<1100>
C829	87-010-196-080		CHIP CAPACITOR,0.1-25	CN124	84-NF1-650-010		CONN ASSY,3P (S-M)<1200>

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
CONN 10P C.B				△ PT102	8Z-NF8-663-010		PT,SUB ZNF-8(H)<HR>
CN904	87-A60-575-010		CONN,10P H 52303	△ RY101	87-A91-281-010		RELAY,AC DC12V OSA-SS-212<HR>
CN905	87-099-198-010		CONN,10P 6216 V	△ RY102	87-A90-976-010		RELAY,AC12V SDT-S-112<EZ,K>
				△ T101	87-A60-317-010		TERMINAL, 1P MSC
				△ T102	87-A60-317-010		TERMINAL, 1P MSC
AC1 C.B				AC2 C.B			
△ PT101	88-SPM-604-010		PT,EZ<1200EZ>	△ CN101	84-NF1-650-010		CONN ASSY,3P(S-M)<1200>
△ PT101	88-SPM-602-010		PT,HE<1200HR>	△ PR101	87-A90-195-080		PROTECTOR 7A 125V 49
△ PT101	88-SPM-606-010		PT,K<1200K>	△ PR102	87-A90-195-080		PROTECTOR 7A 125V 49
△ PT101	88-SP1-604-010		PT,EZ<1100EZ>	△ PR103	87-026-682-080		PROTECTOR,10A 60V491
△ PT101	88-SP1-602-010		PT,HE<1100HR>	△ PR104	87-026-682-080		PROTECTOR,10A 60V491
△ PT101	88-SP1-606-010		PT,K<1100K>	△ PR105	87-026-681-080		PROTECTOR,5A 60V 491<1200>
SUB TRANS C.B				△ PR106	87-026-681-080		PROTECTOR,5A 60V 491<1200>
C138	87-010-387-080		CAP,E 470-25 SME	WH101	87-A90-460-010		HLDR,WIRE 2.5-7P
△ C140	87-A10-480-090		CAP,CER 4700P-250 M E KH<1200>	AC1 SW C.B<HR ONLY>			
△ C141	87-A10-480-090		CAP,CER 4700P-250 M E KH	△ S101	87-036-173-010		SW,SL 2-2-4 SDKG
CN102	8Z-SP1-619-010		CONN ASSY,4P				
△ PT102	8Z-NF8-662-010		PT,SUB ZNF-8(E)<EZ,K>				

○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



A
抵抗部品コード
Resistor Code

桁表示
Figure
抵抗値
Value of resistor

チップ抵抗 Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法/Dimensions (mm)				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 (MX-NH1100 / NAVH1200)



E C B

KTA1266GR
KTC3198GR



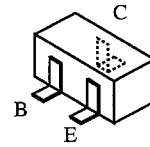
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CSD1489B



B C E

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2SB1625
2SD2494



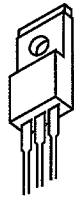
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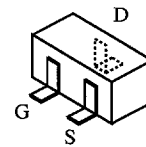
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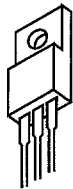


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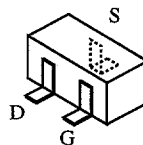
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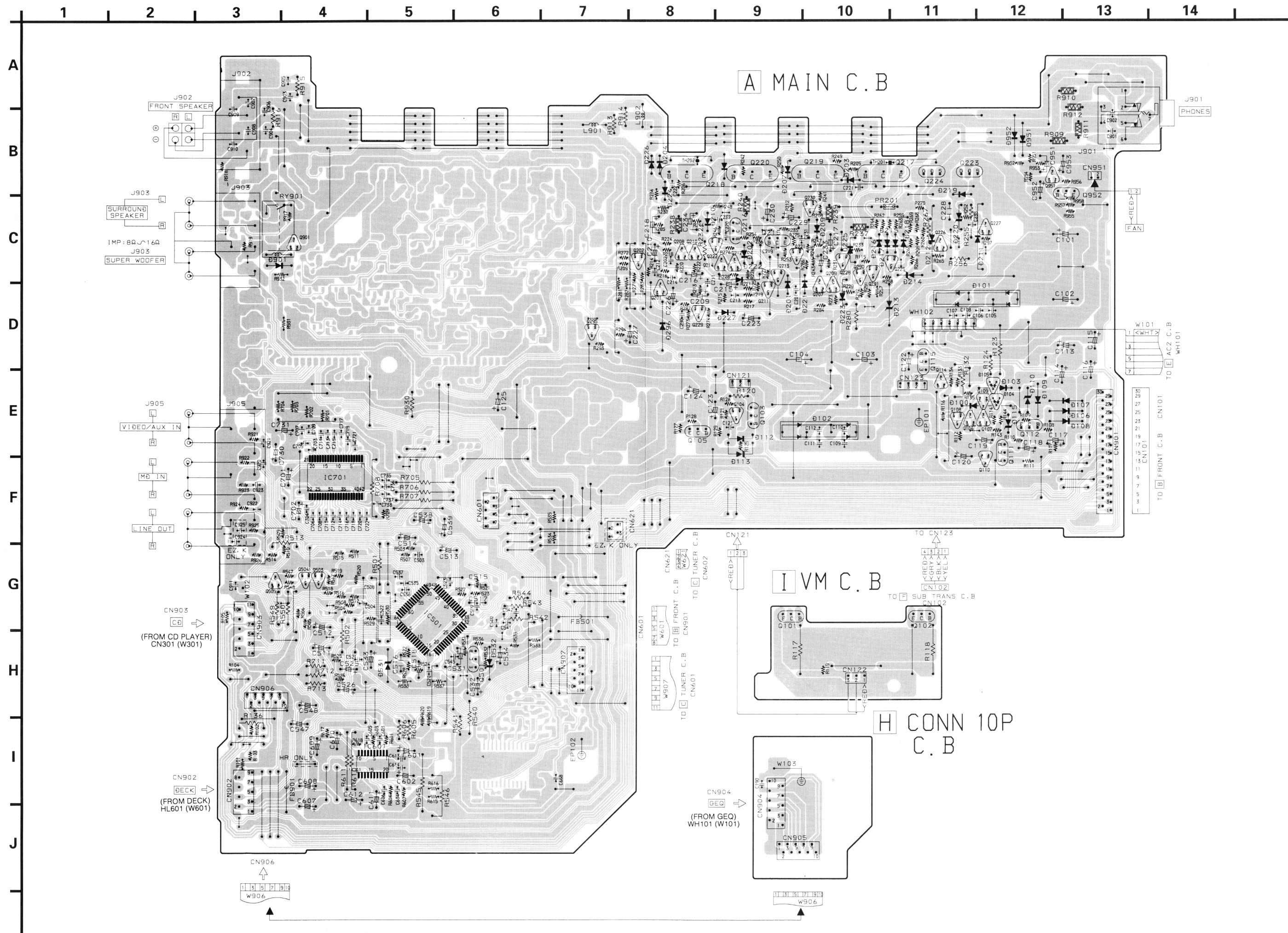


E C B

DTC114ES



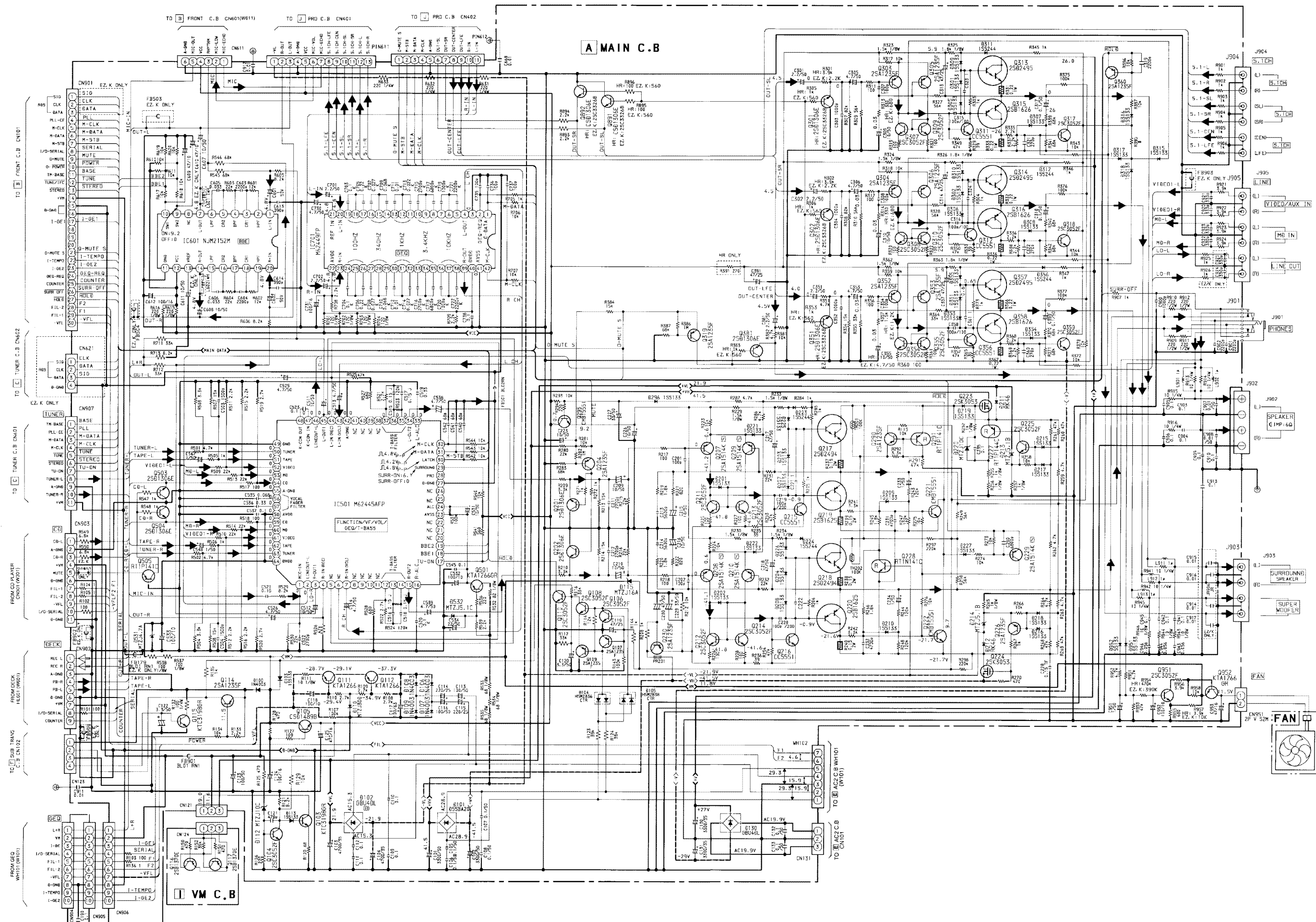
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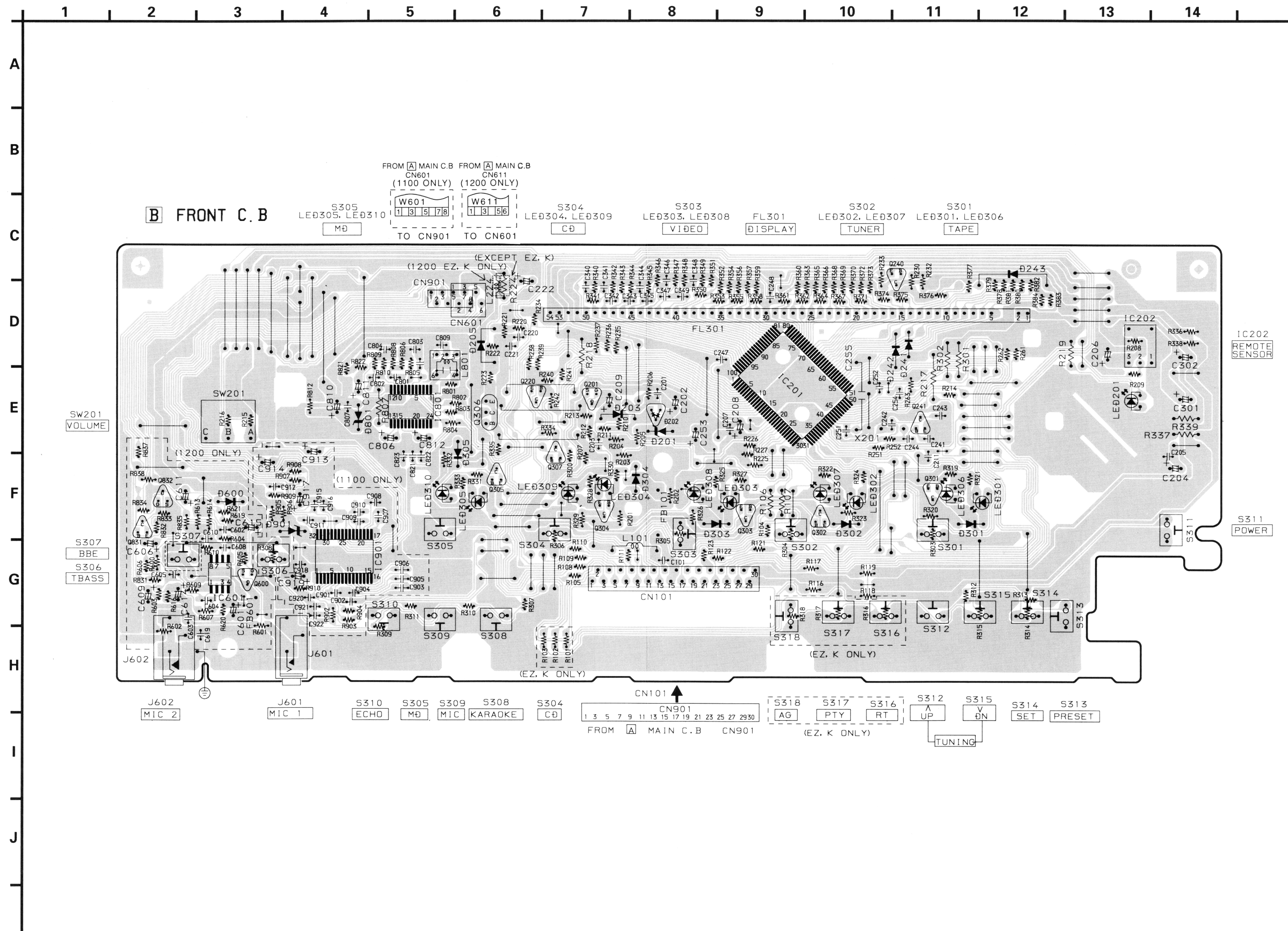
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I VM C.B

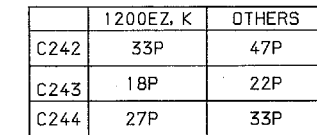
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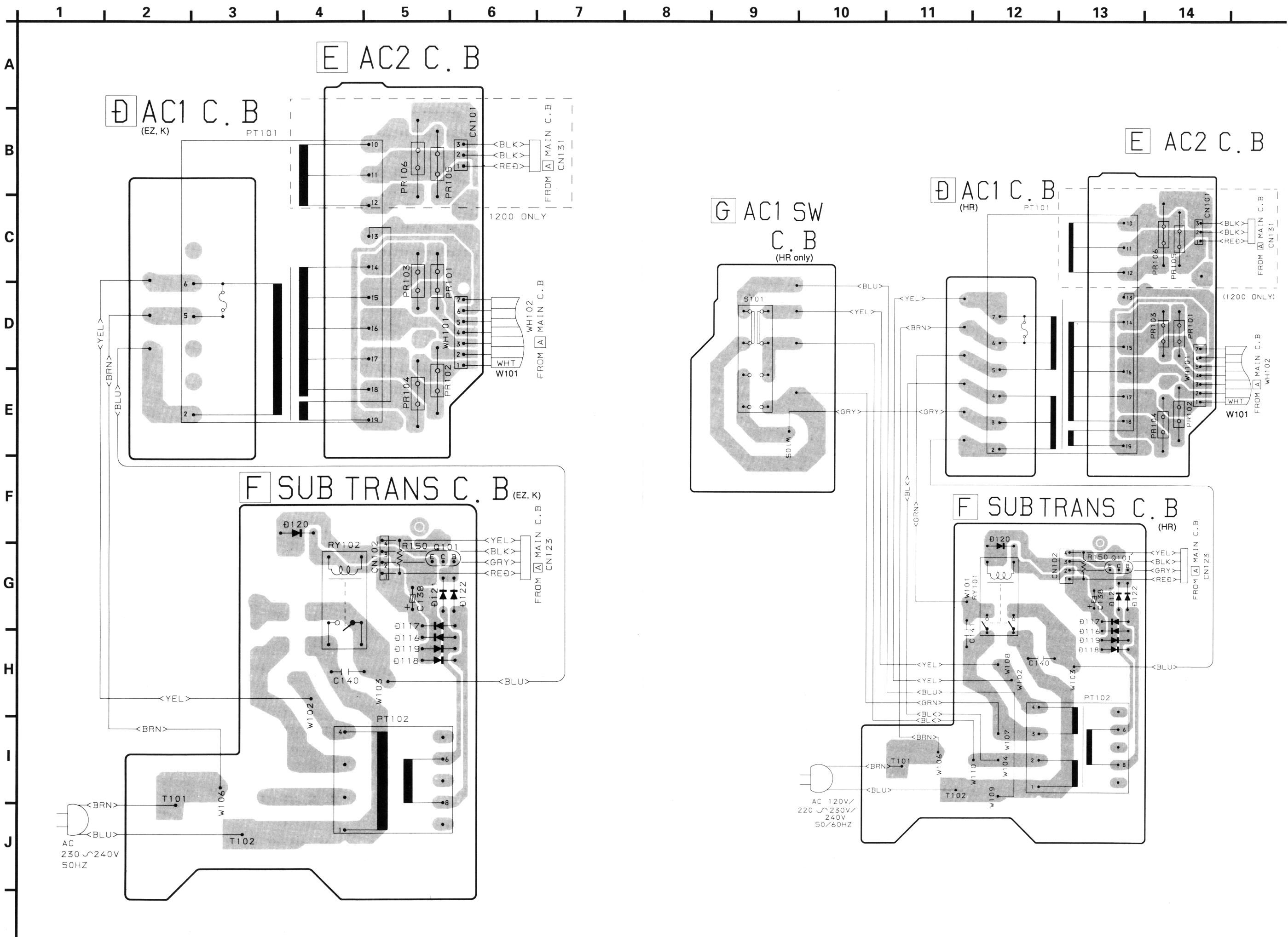


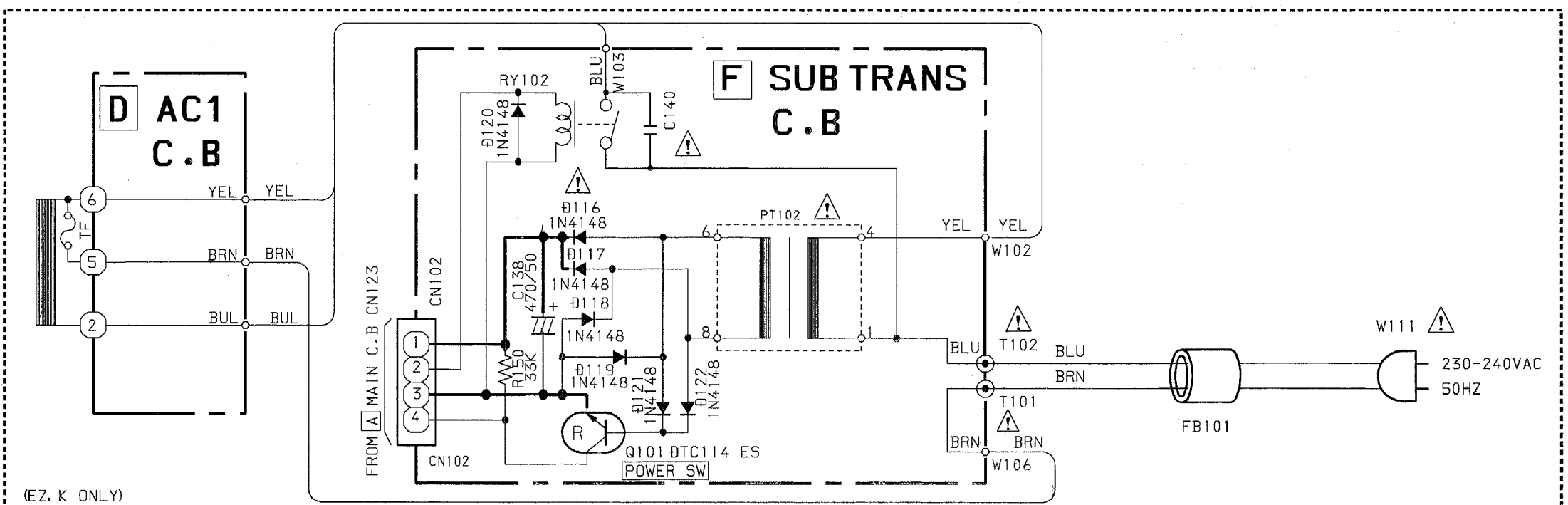
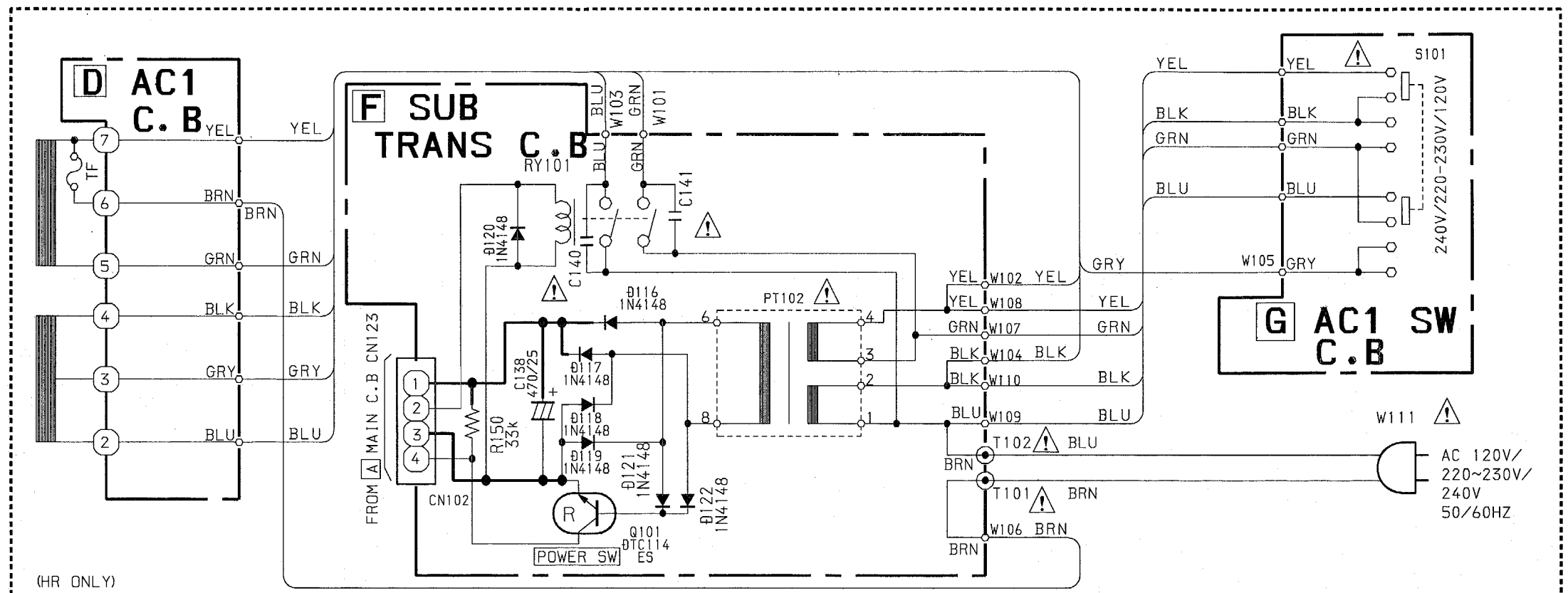
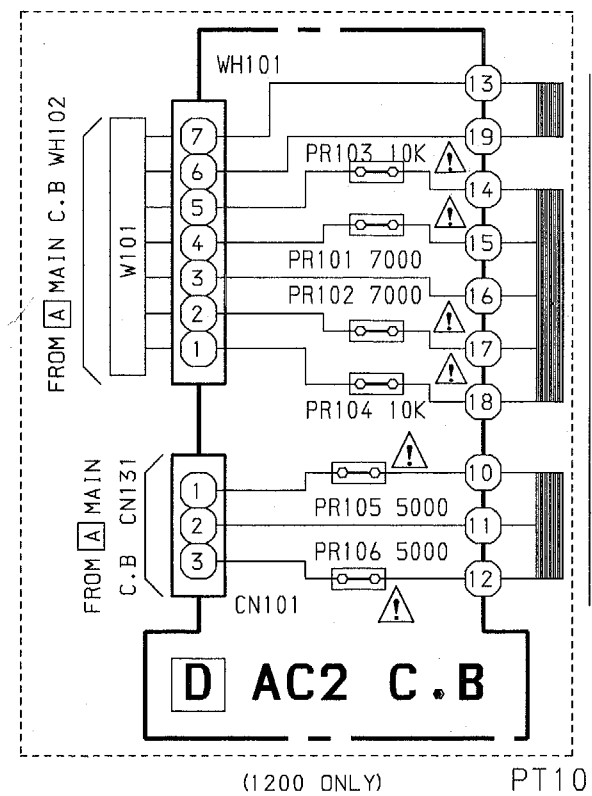
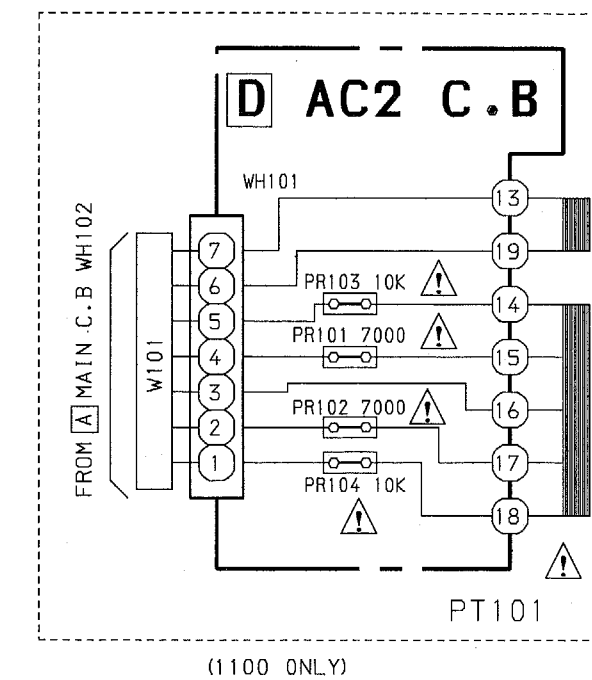


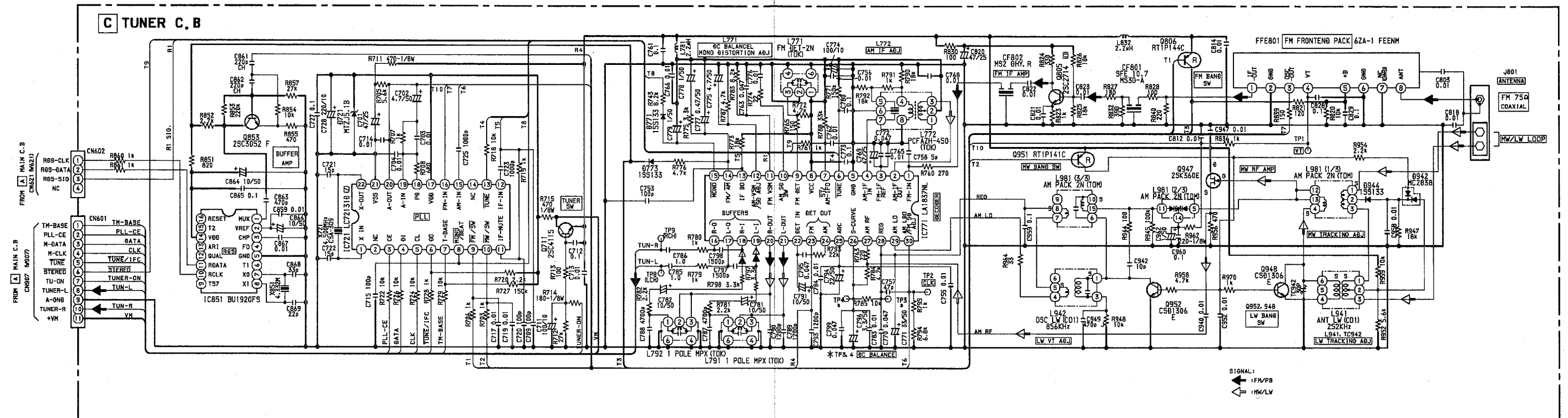


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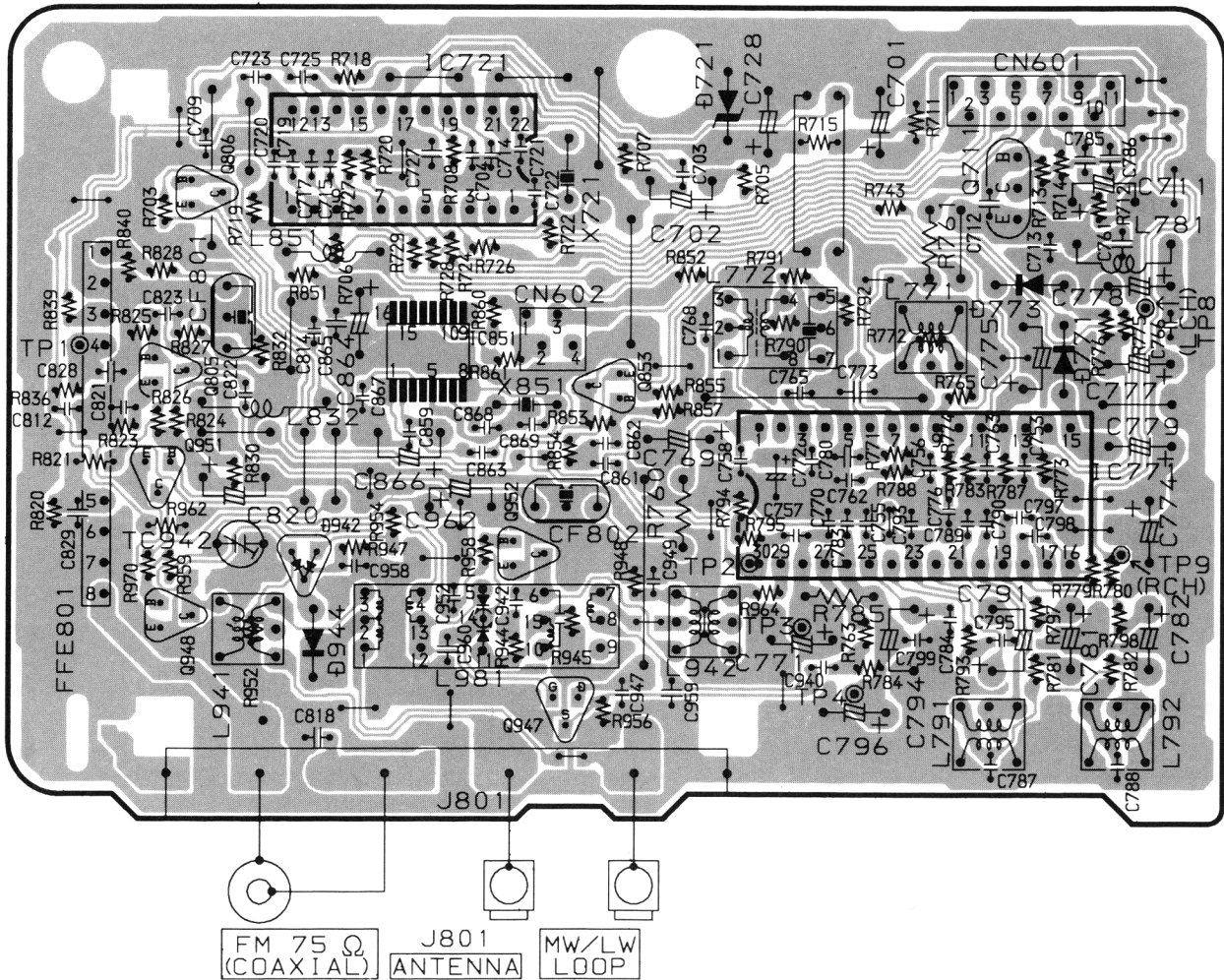
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FROM A MAIN C.B CN907

W621
1 3 4

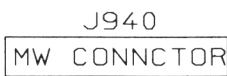
CN621

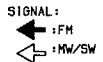
W907
1 3 5 7 9 11

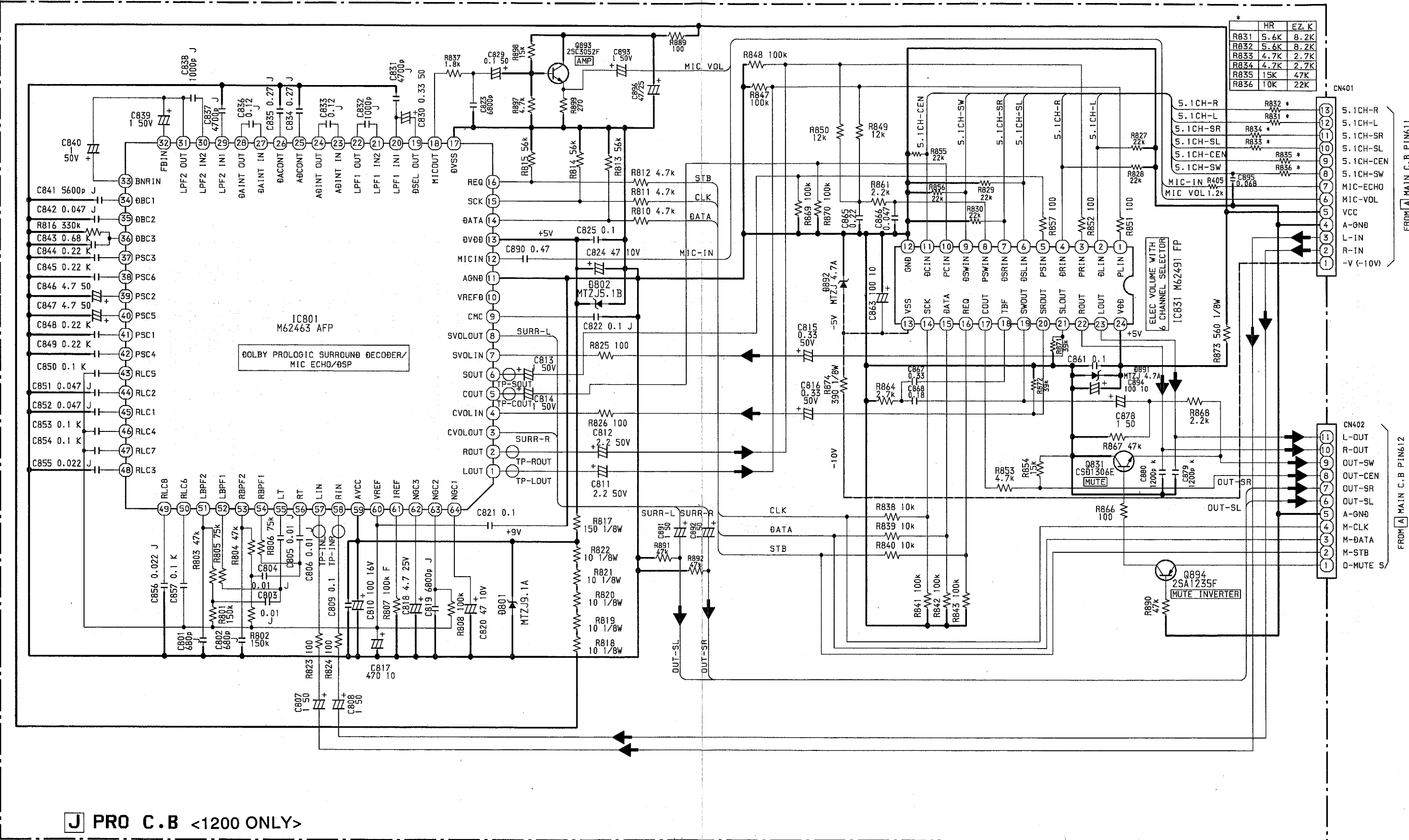


FROM [A] MAIN C.B
CN907

W907						
1	3	5	7	9	11	

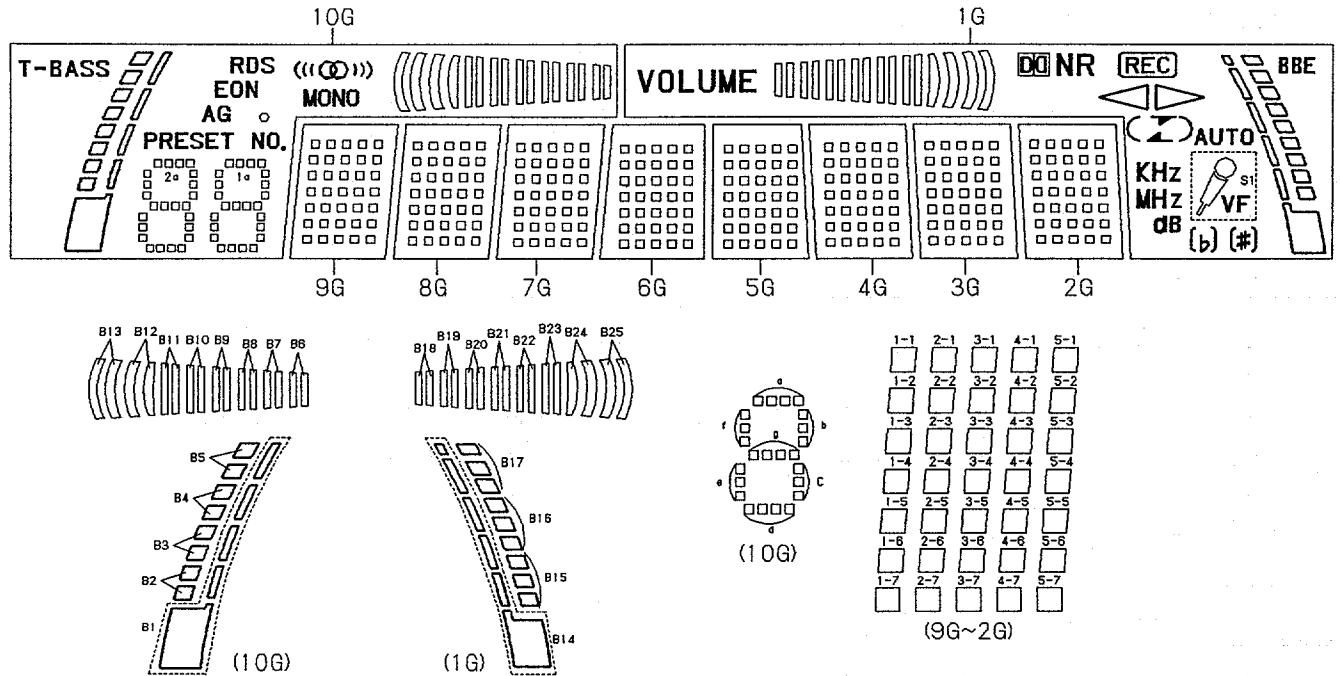






FL (10-BT-218GNK) GRID ASSIGNMENT & ANODE CONNECTION (MX-NH1100 / NAVH1200)

GRID ASSIGNMENT

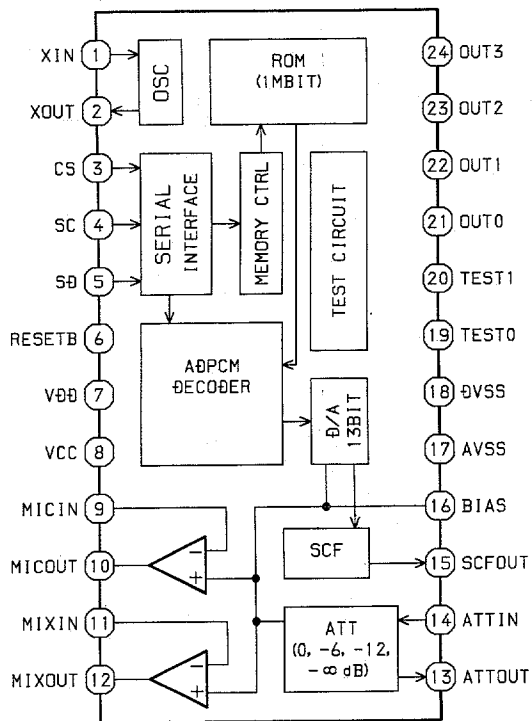


ANODE CONNECTION

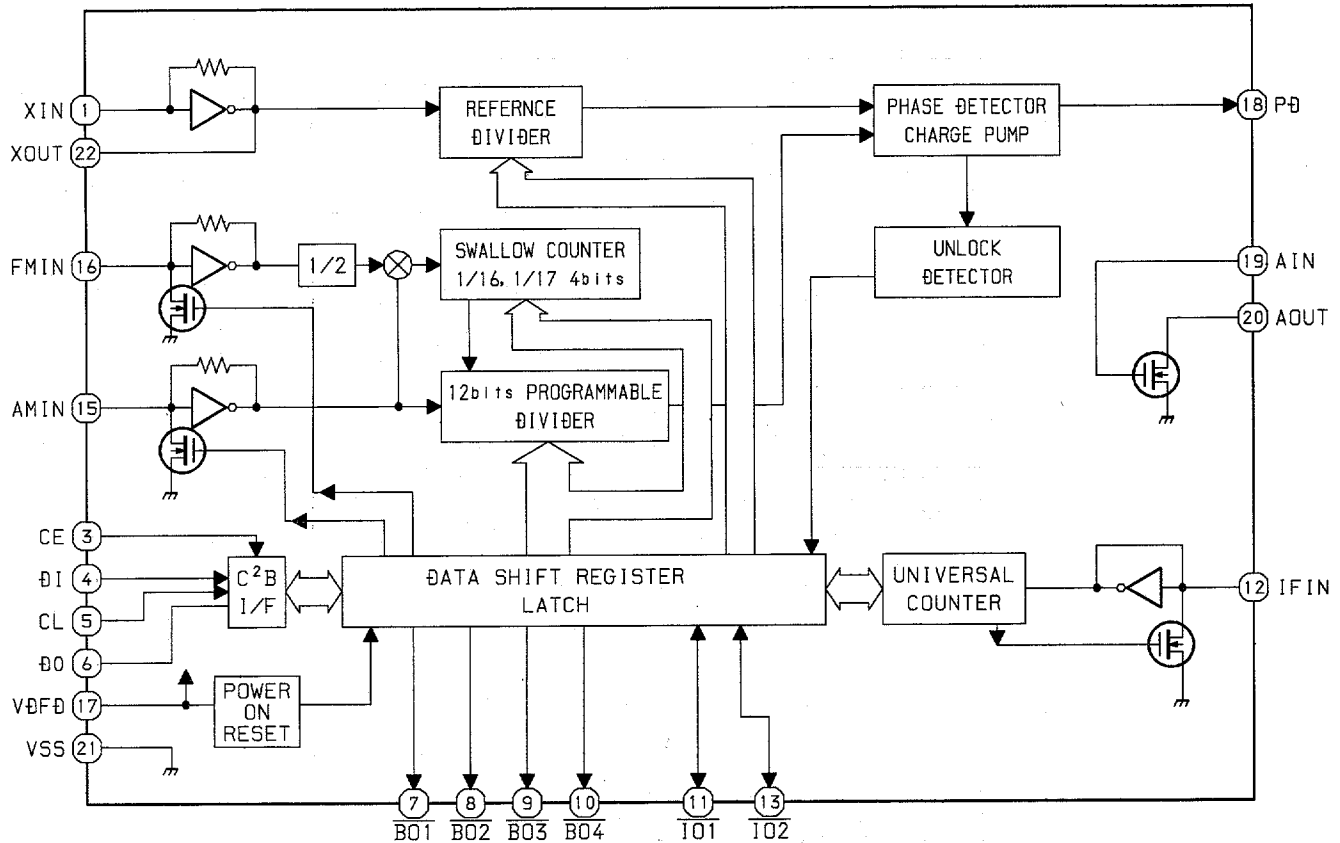
	10G	9G~2G	1G
P1	(((O)))	1-1	VOLUME
P2	B6	2-1	B18
P3	B7	3-1	B19
P4	B8	4-1	B20
P5	B9	5-1	B21
P6	B10	1-2	B22
P7	B11	2-2	B23
P8	B12	3-2	B24
P9	B13	4-2	B25
P10	MONO	5-2	NR
P11	RDS	1-3	REC
P12	EON	2-3	Δ
P13	AG	3-3	Δ
P14	○	4-3	C
P15	PRESET No.	5-3	↗
P16	2a	1-4	)
P17	2f	2-4	KHz
P18	2b	3-4	MHz
P19	2g	4-4	dB
P20	2e	5-4	(b)
P21	2c	1-5	b
P22	2d	2-5	S1
P23	1a	3-5	AUTO
P24	1f	4-5	#
P25	1b	5-5	(#)
P26	1g	1-6	B14
P27	1e	2-6	B17
P28	1c	3-6	B16
P29	1d	4-6	B15
P30	T-BASS	5-6	BBE
P31	B1	1-7	-
P32	B2	2-7	-
P33	B3	3-7	-
P34	B4	4-7	-
P35	B5	5-7	-

IC BLOCK DIAGRAM (MX-NH1100 / NAVH1200)

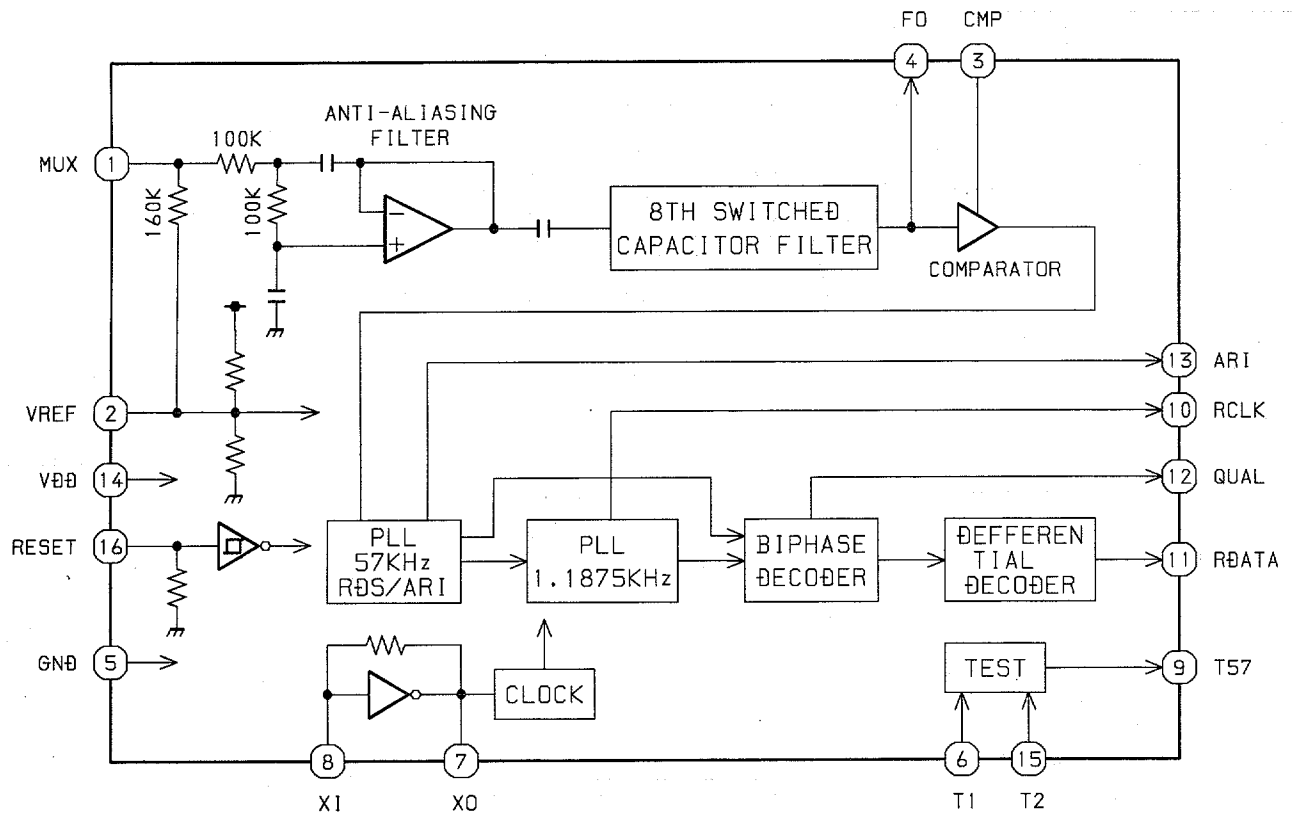
IC, BU9990-03FS



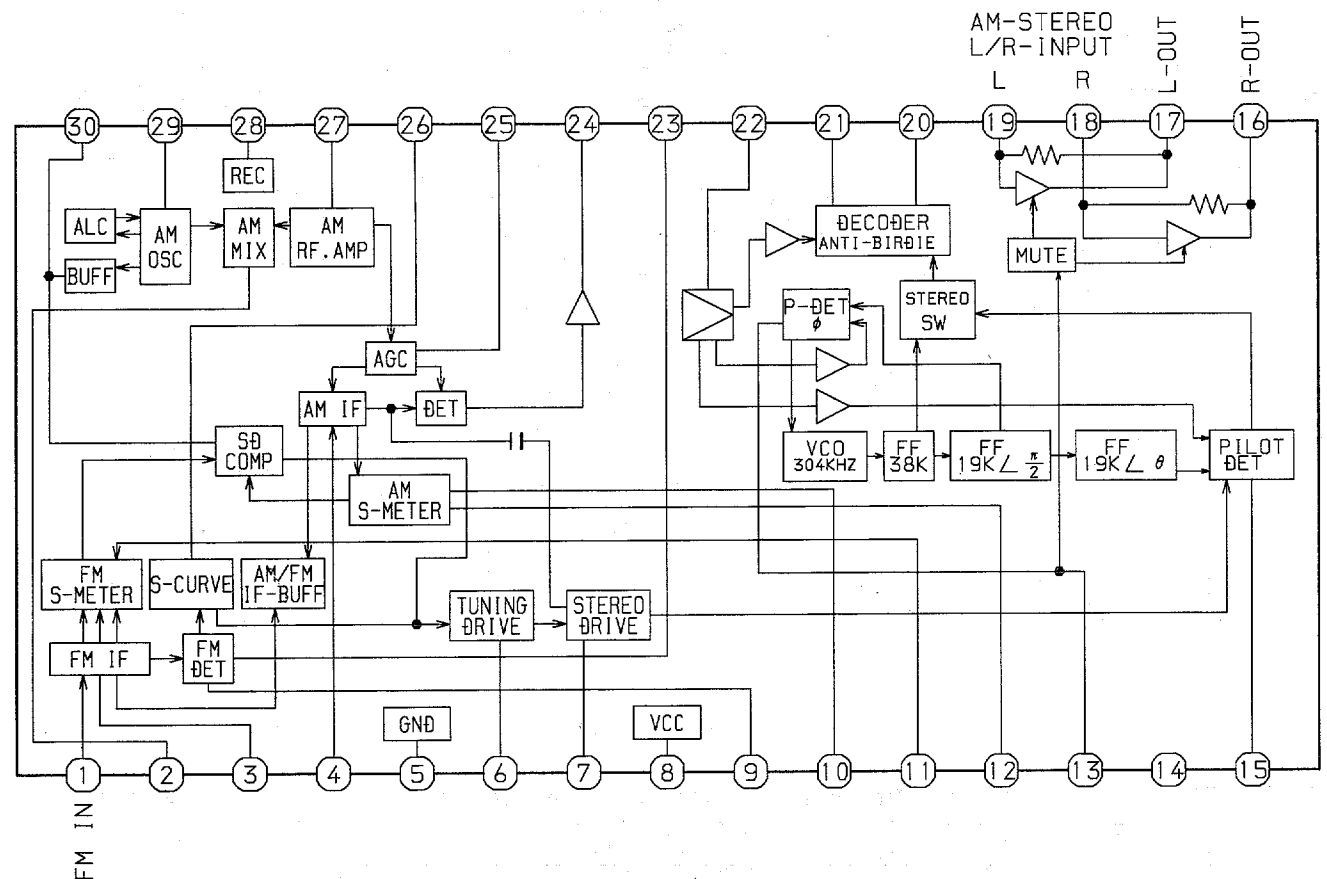
IC, LC72131D



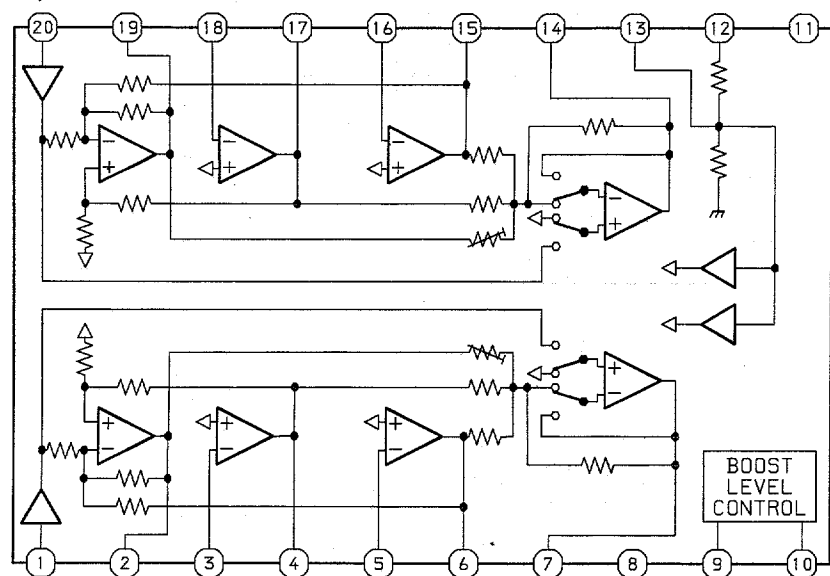
IC, BU1920FS



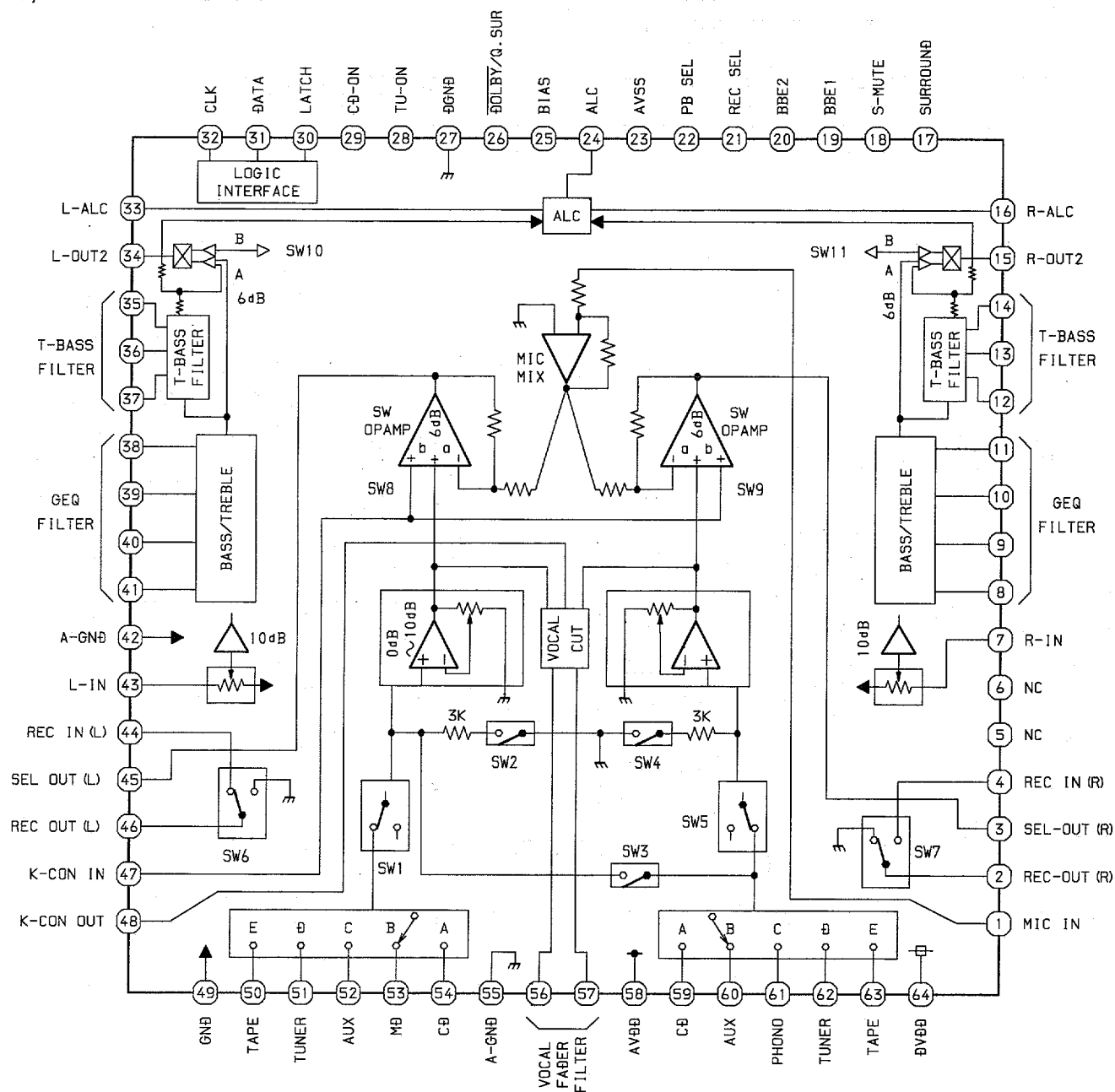
IC, LA1837NL



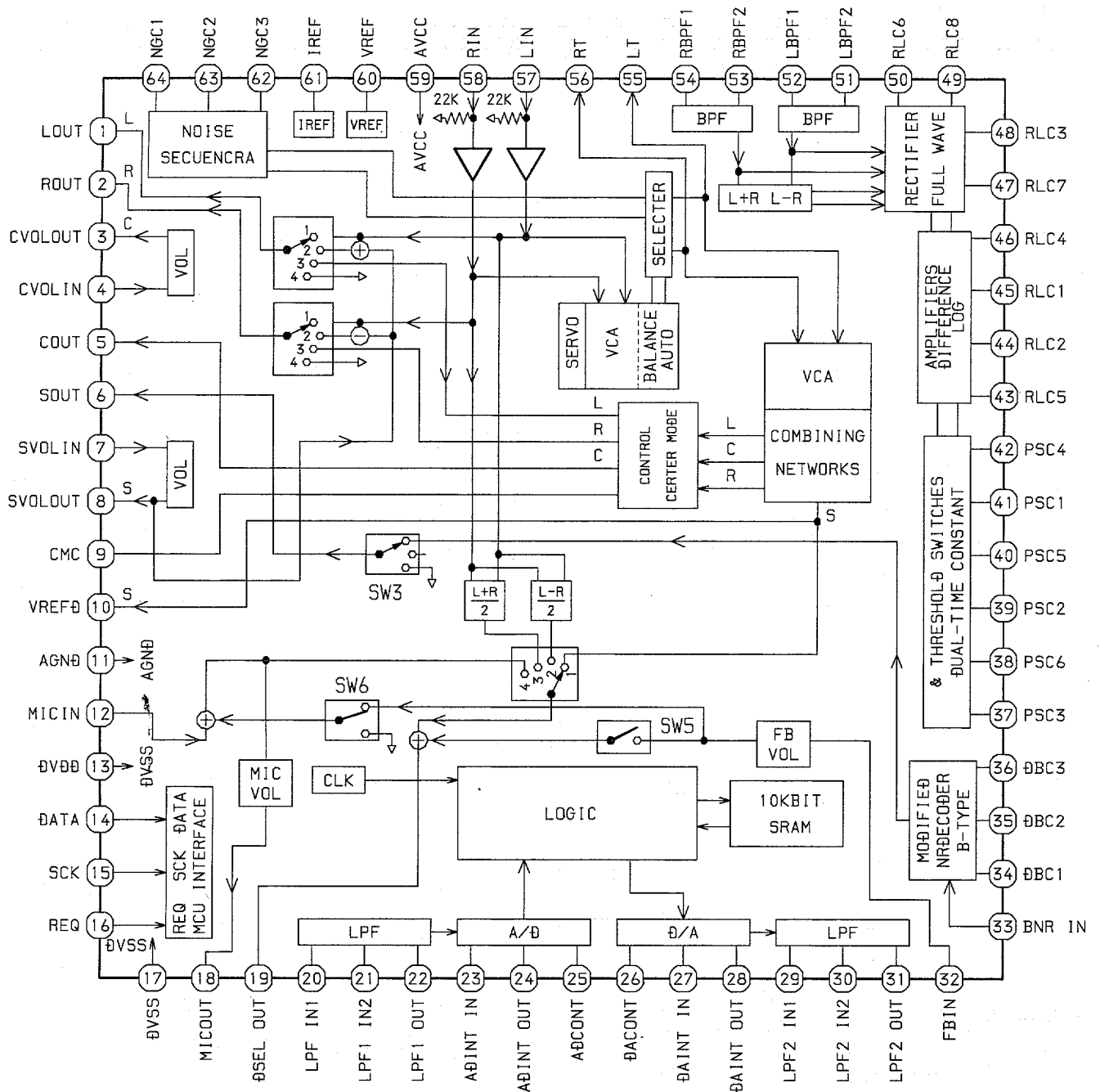
IC, NJM2152M



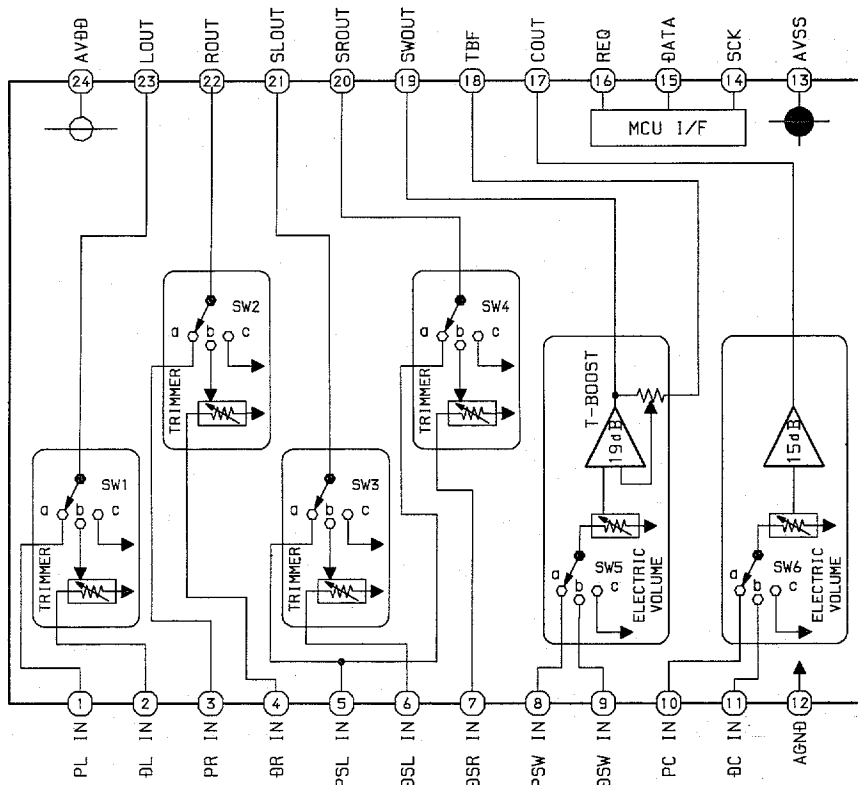
IC, M62445AFP



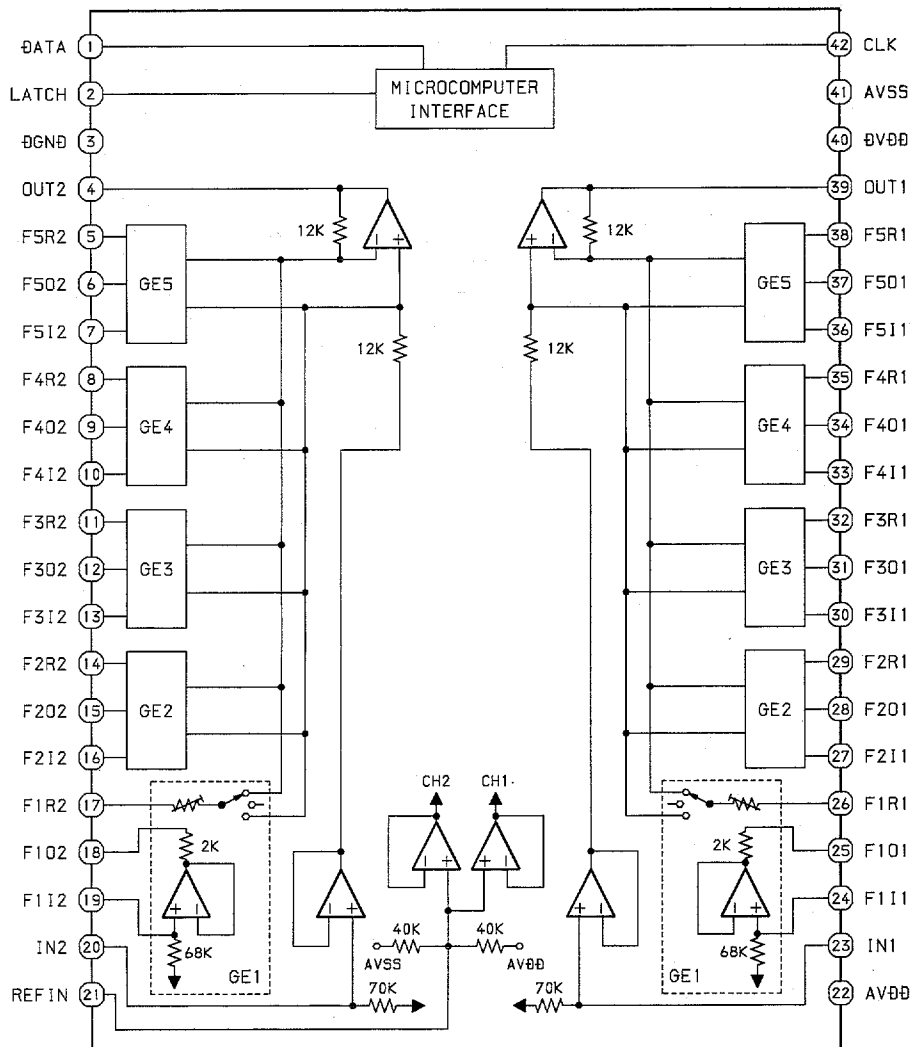
IC, M62463AFP



IC, M62491FP



IC, M62449FP



IC DESCRIPTION (MX-NH1100 / NAVH1200)

IC, UPD780228GF-034-3BA

Pin No.	Pin Name	I/O	Description
1	K-SCAN	O	Output scan for segment input (Active "H").
2	RHYTHM-CS	O	Chip select output to IC, BU9990-03.
3	RHYTHM-SCLK	O	Clock output to IC, BU9990-03.
4	RHYTHM-SD	O	Data output to IC, BU9990-03.
5	PLL CE	O	PLL IC chip enable output.
6	O-M/CLK	O	Main clock output.
7	O-M/DATA	O	Main data output.
8	O-M/STB	O	Main strobe output.
9	I/O-SERIAL	I/O	Communication port for GEQ, CD and DECK.
10	O-MUTE	O	System mute (ON when "H").
11	O-POWER	O	System power supply (ON when "L").
12	DIMER 2	O	Dimmer control ("L" when 2).
13	O-MUTE S	O	Sound L, R, Center, SW Mute.
14	LED-ECO	O	ECO LED output.
15	NC	–	Not connected.
16	NC	–	Not connected.
17	IC	–	Connect to GND.
18	VSS	–	GND.
19	VDD	–	Power supply terminal.
20	LED-MD	O	MD LED output.
21	TM BASE	I	Time base input.
22	TUNE/IFO	I	Tuning detection input.
23	STEREO	I	Stereo detection input.
24	NC	–	Not connected.
25	I-RE VOL A	I	Rotary Encoder Input A / B.
26	I-RE VOL B		
27	LED CD	O	CD LED output.
28	NC	–	Not connected.
29	I-RDS-CLK	I	RDS clock input.
30	RESET	I	Reset input.
31	I-RDS-DATA	I	RDS data input.
32	GEQ-REQ	O	Latch output to IC, M62449FP.
33	COUNTER	I	Tape counter input.
34	I-RMC	I	Remote controller input (Active "L").
35	I-SURR-OFF	I	Stop surround function when using head phone.
36	O-SHIFT	O	Output for oscillated frequency shift.
37	VDD	–	Power supply terminal.
38	X2	–	4.19MHz oscillator circuit.
39	X1		
40	VSS	–	GND
41	AVDD	–	Power supply terminal.
42	HOLD	I	Power failure / over current detected input.

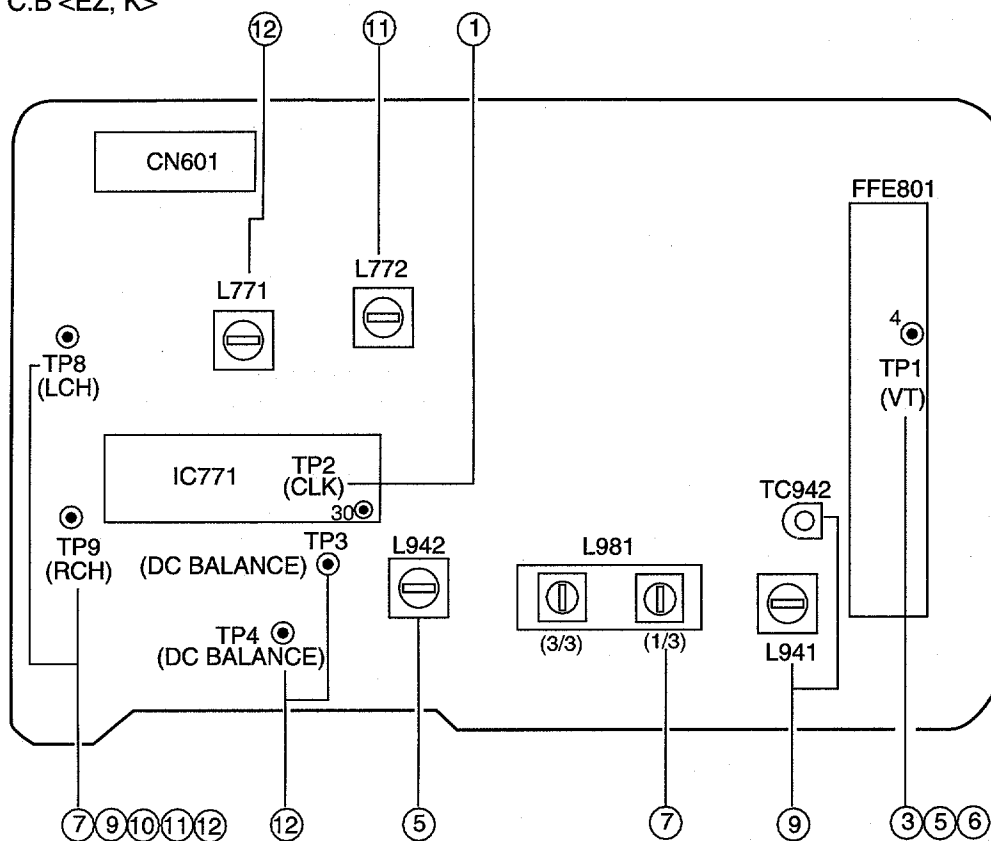
Pin No.	Pin Name	I/O	Description
43	I-RDS SIG	I	RDS signal input.
44	I-MIC	I	MIC input level detection.
45	I-KEY1	I	KEY1 input.
46	I-KEY2	I	KEY2 input.
47	TEMPO	I	TEMPO input (100Hz, 3.3kHz).
48	GE-2	I	DEMO, TIMER, CLOCK, SPICE A, AUTO SPICE / FILL IN input.
49	GE-1	I	JOG, SPICE B SW input.
50	AVSS	–	GND.
51	LED-TAPE	O	Tape LED output.
52	LED-TUNER	O	Tuner LED output.
53	LED-VIDEO	O	Video LED output.
54~58	P1~P5	O	FL segment output.
59	P6	I/O	FL segment output.
60	P7 / SEL2	I/O	FL segment output / SEL2 input <HR only>.
61	P8 / SEL1	I/O	FL segment output / SEL1 input <EZ,K only>.
62	P9 / PRO	I/O	FL segment output / PROLOGIC input.
63	P10 / w/o DEMO	I/O	FL segment output / Without DEMO input.
64	P11/V-CD	I/O	FL segment output / V-CD input.
65~78	P12~P25	O	FL segment output.
79	VDD	–	Power supply terminal.
80	-VFL	–	Power FL display negative supply terminal.
81~90	P26~P35	O	FL segment output.
91~100	G10~G1	O	FL grid output.

IC, M65849BFP631D

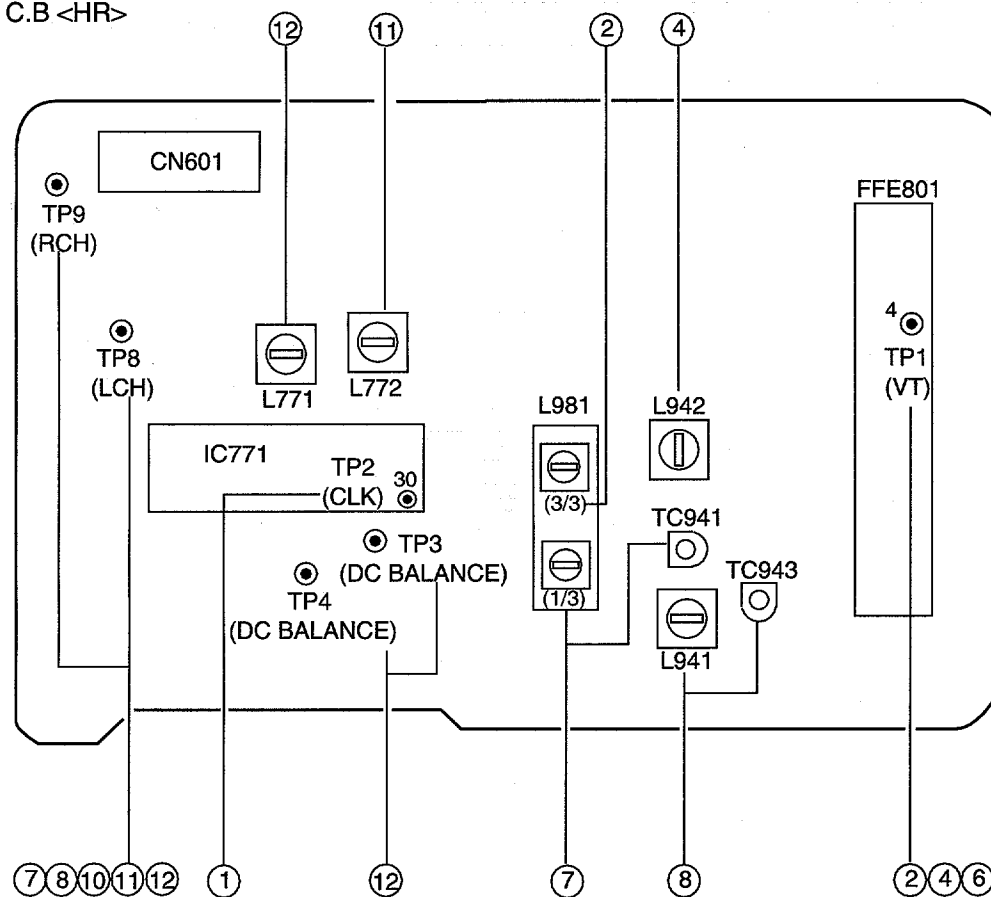
Pin No.	Pin Name	I/O	Description
1	MCLKONT	I	Controls built-in clock generation circuit with external R.
2	TEST1	I	Test mode change "H" Normal / "L" Test.
3	CLOCK	I	Clock input via serial bus.
4	STB	I	Strobe input via serial bus.
5	DATA	I	Data input via serial bus.
6	CKO	O	Clock output.
7	CKI	I	Clock input.
8	Vcc	–	Power supply.
9	DELAY SOURCE OUT	O	(L+R) or (L-R) or MIC signal output.
10	TEST OUT	O	Memory / Mute / Sampling data output (Test mode) (Not connected).
11	LPF1 IN 1	I	Low Pass Filter 1 input 1.
12	LPF1 IN 2	I	Low Pass Filter 1 input 2.
13	LPF1 OUT	O	Low Pass Filter 1 output.
14	AD INT IN	I	A/D integrator input.
15	AD INT OUT	I	A/D integrator output.
16	GND	–	GND.
17	DAINT IN	I	D/A integrator input.
18	DAINT OUT	O	D/A integrator output.
19	LPF2 IN 1	I	Low Pass Filter 2 input 1.
20	LPF2 IN 2	I	Low Pass Filter 2 input 2.
21	LPF2 OUT	O	Low Pass Filter 2 output.
22	FVOL IN	I	Feedback volume input.
23	MIC OUT	O	Microphone output.
24	REF	–	Reference.
25	Rch OUT	O	Rch mixing output.
26	Lch OUT	O	Lch mixing output.
27	DELAY OUT	O	Delay signal output.
28	Rch IN	I	Rch mixing input.
29	Lch IN	I	Lch mixing input.
30	VDD	–	VDD.
31	MIC IN	I	Microphone input.
32	MVOL IN	I	Mix volume input.

ADJUSTMENT <TUNER> (MX-NH1100 / NAVH1200)

□ TUNER C.B <EZ, K>



□ TUNER C.B <HR>



< TUNER SECTION >

1. Clock frequency Check

Settings : • Test point : TP2

Method : Set to AM 1602kHz and check that the test point is 2052kHz $\pm$ 45Hz.

2. MW VT Adjustment <HR>

Settings : • Test point : TP1 (VT)

• Adjustment location : L981 (3/3)

Method : Set to MW 1710kHz and adjust L981 (3/3) so that the test point becomes 7.5V $\pm$ 0.05V. Then check that the test point is more than 0.3V (530kHz).

3. MW VT Check <EZ,K>

Settings : • Test point : TP1 (VT)

Method : Set to MW 1602kHz and check that the test point is less than 8.0V and more than 0.6V (531kHz).

4. SW VT Adjustment <HR>

Settings : • Test point : TP1 (VT)

• Adjustment location : L942

Method : Set to SW 17.9MHz and adjust L942 so that the test point becomes 6.0V $\pm$ 0.05V. Then check that the test point is more than 0.3V (5.9MHz).

5. LW VT Adjustment <EZ,K>

Settings : • Test point : TP1 (VT)

• Adjustment location : L942

Method : Set to LW 144kHz and adjust L942 so that the test point is 1.3V $\pm$ 0.05V. Then check that the test point is less than 8.0V (290kHz).

6. FM VT Check

Settings : • Test point : TP1 (VT)

Method : Set to FM 87.5MHz, 108.0MHz and check that the test point is more than 0.5V (87.5MHz) and less than 8.0V (108.0MHz).

7a. MW Tracking Adjustment <HR>

Settings : • Test point : TP8(Lch), TP9(Rch)

• Adjustment location :

L981 (1/3) 603kHz

TC941 1404kHz

Method : Set up TC941 to center before adjustment, the level at 603kHz is adjusted to maximum by L981 (1/3). Then the level at 1404kHz is adjusted to maximum by TC941.

7b. MW Tracking Adjustment <EZ,K>

Settings : • Test point : TP8(Lch), TP8(Rch)

• Adjustment location :

L981(1/3) 999kHz

Method : Set to AM 999kHz and adjust L981(1/3) to MAX.

8. SW Tracking Adjustment <HR>

Settings : • Test point : TP8(Lch), TP9(Rch)

• Adjustment location :

L941 5.9MHz

TC943 17.9MHz

Method : Set up TC943 to center before adjustment. The level at 5.9MHz is adjusted to maximum by L941. Then the level at 17.9MHz is adjusted to maximum by TC943.

9. LW Tracking Adjustment <EZ,K>

Settings : • Test point : TP8(Lch), TP9(Rch)

• Adjustment location :

L941 144kHz

TC942 290kHz

Method : Set up TC942 to center before adjustment. The level at 144kHz is adjusted to maximum by L941. Then the level at 290kHz is adjusted to maximum by TC942.

10. FM Tracking Check

Settings : • Test point : TP8(Lch), TP9(Rch)

Method : Set to FM 98.0MHz and check that the test point is less than 9dB (HR), less than 13dB (EZ,K).

11. AM(MW) IF Adjustment

Settings : • Test point : TP8(Lch), TP9(Rch)

• Adjustment location :

L772 450kHz

12. DC Balance / Mono Distortion Adjustment

Settings : • Test point : TP3, TP4 (DC Balance)

: TP8(Lch), TP9(Rch) (Distortion)

• Adjustment location : L771

• Input level : 54dB

Method : Set to FM 98.0MHz and adjust L771 so that the voltage between TP3 and TP4 becomes 0V $\pm$ 0.04V. Next, check that the distortion is less than 1.3%.

PRACTICAL SERVICE FIGURE (MX-NH1100 / NAVH1200)

<TUNER SECTION>

<FM SECTION>

IHF Sensitivity : HR: Less than 10 / 9 / 9dB
(THD 3%) EZ,K: Less than 14 / 13 / 13dB
[at 87.5 / 98.0 / 108.0MHz]
S/N 50dB Quieting sensitivity :
HR: Less than 35dB
EZ,K: Less than 38dB
[at 98.0MHz]
Signal to noise ratio : Mono : More than 72dB
Stereo :
HR: More than 66dB
EZ,K: More than 64dB
[at 98.0MHz]
Distortion : Mono : Less than 1.2%
Stereo : Less than 2.0% [at 98.0MHz]
Stereo separation : HR : More than 12dB [at 98.0MHz]
EZ,K : More than 30dB [at 98.0MHz]
Intermediate frequency : 10.7MHz

<MW SECTION>

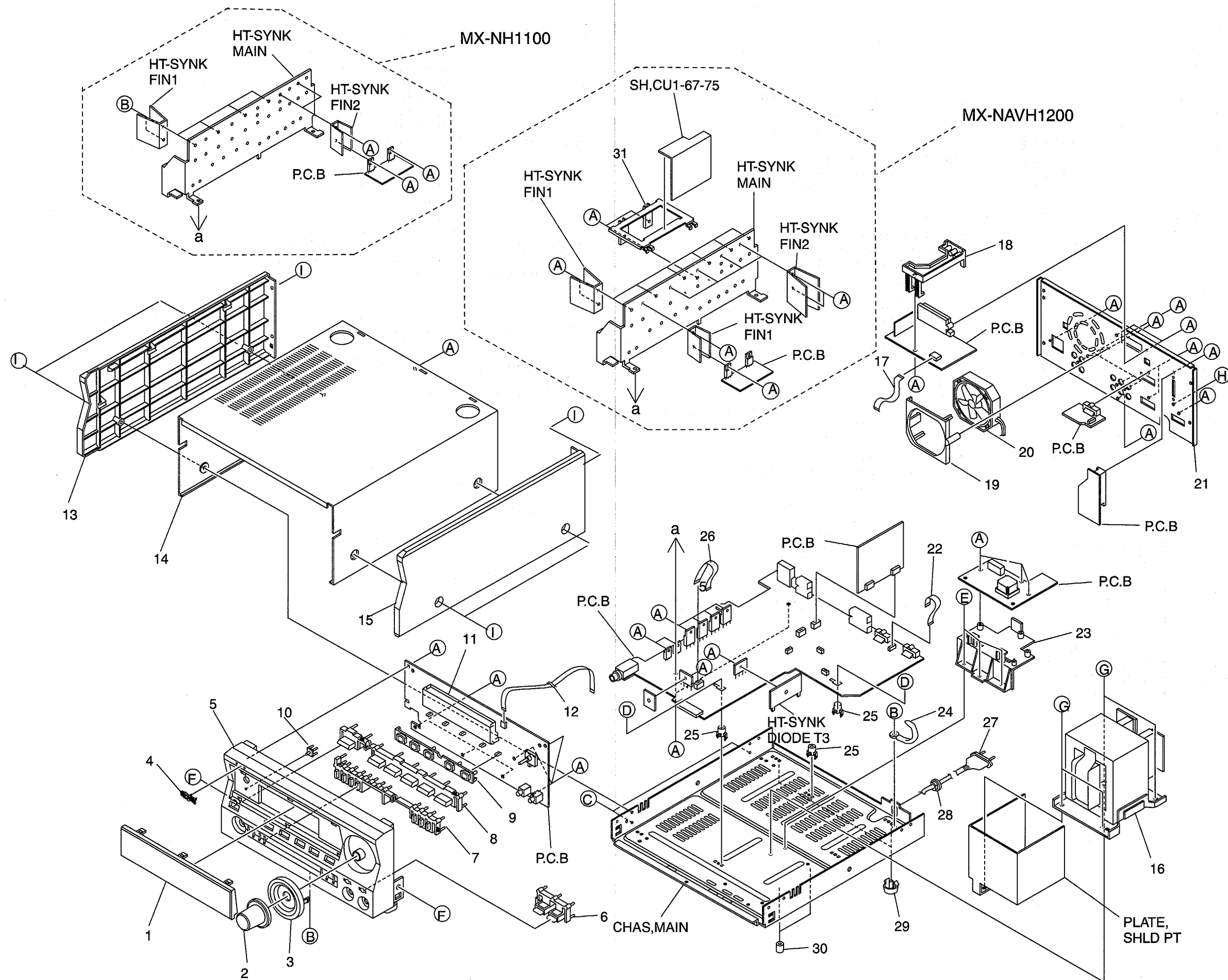
Sensitivity : Less than 62dB [at 603kHz]
Less than 58dB [at 999kHz]
Less than 58dB [at 1404kHz]
Signal to noise ratio : More than 36dB [at 999kHz]
Distortion : Less than 1.5% [at 999kHz]
Intermediate frequency : 450kHz

<LW SECTION> (EZ,K)

Sensitivity : Less than 70dB [at 144kHz]
Less than 68dB [at 198kHz]
Less than 66dB [at 290kHz]
Intermediate frequency : 450kHz

<SW SECTION> (HR)

Sensitivity : Less than 51dB [at 5.9MHz]
Less than 45dB [at 12.0 MHz]
Less than 44dB [at 17.9MHz]
Overload Signal Distortion :
Less than 10% [at 12.0MHz]
Intermediate frequency : 450kHz



MECHANICAL PARTS LIST 1 / 1 (MX-NH1100 / NAVH1200)

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-SPM-002-010		WINDOW, DISPLAY<1200HR>	19	8Z-SP1-207-010		COVER, FAN
1	8Z-SP1-004-010		WINDOW, DISPLAY<1100HR>	20	87-A91-232-010		FAN, F614R-12MC-22-350MM
1	8Z-SP1-028-010		WINDOW, DISPLAY EZ<1100K, 1100EZ>	21	8Z-SPM-003-010		PANEL, REAR EZ<1200EZ>
1	8Z-SPM-009-010		WINDOW, DISPLAY EZ<1200K, 1200EZ>	21	8Z-SP1-022-010		PANEL, REAR EZSNM<1100EZ>
2	8Z-SP1-011-010		KNOB, RTRY VOL	21	8Z-SP1-003-010		PANEL, REAR HR<1100HR>
3	8Z-SP1-012-010		RING, VOL	21	8Z-SPM-008-010		PANEL, REAR HR<1200HR>
4	87-B00-002-010		BADGE, AIWA 30 ABS SIL	21	8Z-SPM-006-110		PANEL, REAR K<1200K>
5	8Z-SP1-001-010		CABI, FR<1100HR>	21	8Z-SP1-026-010		PANEL, REAR KSNM<1100K>
5	8Z-SPM-001-010		CABI, FR EZ<1200K, 1200EZ>	22	88-910-071-110		FF-CABLE, 10P 1.25 70MM
5	8Z-SP1-021-010		CABI, FR EZ<1100K, 1100EZ>	23	8Z-SP1-209-010		HLDR, PWB ECO
5	8Z-SPM-005-010		CABI, FR HR<1200HR>	24	87-064-185-010		HLDR, WIRE
6	8Z-SP1-007-010		KEY, BBE	25	8Z-SP1-208-010		HLDR, PWB 13.5
7	8Z-SP1-008-010		KEY, KARAOKE<HR>	26	8Z-SP1-627-010		F-CABLE, 7P 2.5 280MM
7	8Z-SP1-016-110		KEY, RDS<K, EZ>	△ 27	87-A80-143-010		AC-CORD ASSY, E<1200K>
8	8Z-SP1-010-010		KEY, ASSY FUN	△ 27	87-050-079-010		AC-CORD ASSY, E<EXCEPT 1200K>
9	8Z-SP1-202-010		GUIDE, LED FUN	28	87-085-185-010		BUSHING, AC CORD (E)
10	8Z-SP1-015-010		REFLECTOR, ECO	29	87-085-213-010		FOOT, H12.5
11	88-SX1-203-210		GUIDE, FL	30	8Z-NB8-240-010		COVER, PL
12	88-908-281-110		FF-CABLE, 8P 1.25 280MM<1100>	31	88-SPM-208-010		HLDR, PWB PRO<1200>
12	88-906-301-110		FF-CABLE, 6P-1.25<1200>	A	87-067-703-010		TAPPING SCREW, BVT2+3-10
13	8Z-SP1-017-010		PANEL, SIDE L	B	87-067-688-010		BVTT+3-6
14	8Z-SP1-002-010		CABI, STEEL	C	87-721-095-410		QT2+3-8GLD W/O SLOT
15	8Z-SP1-018-010		PANEL, SIDE R	D	87-B10-190-010		BVT2+3-22 W/O SLOT
△ 16	88-SPM-604-010		PT, EZ<1200K, 1200EZ>	E	87-067-579-010		BVT2+3-8 W/O SLOT
△ 16	88-SPM-602-010		PT, HE<1200HR>	F	87-591-094-410		TAPPING SCREW, QIT+3-6
△ 16	88-SP1-604-010		PT, EZ<1100EZ>	G	87-078-019-010		S-SCREW, IT+4-6
△ 16	88-SP1-602-010		PT, HE<1100HR>	H	81-653-215-010		SPECIAL SCREW, VT2.6-8<HR>
△ 16	88-SP1-606-010		PT, K<1100K>	I	87-067-641-010		UT2+3-8(W/O SLOT)BL
17	88-911-121-110		FF-CABLE, 11P 1.25				
18	88-AR1-203-010		HLDR, TU				

COLOR NAME TABLE

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

MODEL NO.

DX-NH1100

ELECTRICAL MAIN PARTS LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC				C254	87-010-178-080		CHIP CAP 1000P
	8Z-SX1-607-010	C-IC,UPD78046HGF-024-3B9		C255	87-010-178-080		CHIP CAP 1000P
TRANSISTOR				C256	87-010-178-080		CHIP CAP 1000P
	87-026-263-080	C-TR,RN1410		CN1	87-099-669-010		CONN,8P TUC-P8X-B1
	87-A30-076-080	C-TR,2SC3052F		CN2	87-099-559-010		CONN,13P TUC-P13X-B1
DIODE				FL201	8Z-SX1-608-010		FL,6-BT-303GNK
	87-020-465-080	DIODE,1SS133 (110MA)		L1	87-005-152-080		COIL,10UH
	87-070-136-080	ZENER,MTZJ5.1B		L2	87-005-152-080		COIL,10UH
MAIN C.B				L3	87-005-152-080		COIL,10UH
C301	87-010-322-080	C-CAP,S 100P-50 CH		L5	87-005-152-080		COIL,10UH
C304	87-010-196-080	CHIP CAPACITOR,0.1-25		LED203	87-A40-263-080		LED,SLH-56PCT31 GRN
C305	87-010-197-080	CAP, CHIP 0.01 DM		LED204	87-A40-263-080		LED,SLH-56PCT31 GRN
C310	87-016-462-080	C-CAP,S 1-16 F		LED205	87-A40-317-080		LED,SLR-342VCT31 RED
C311	87-016-462-080	C-CAP,S 1-16 F		LED206	87-A40-317-080		LED,SLR-342VCT31 RED
C312	87-016-462-080	C-CAP,S 1-16 F		LED207	87-A40-317-080		LED,SLR-342VCT31 RED
C313	87-010-184-080	CHIP CAPACITOR 3300P(K)		S201	87-A90-095-080		SW,TACT EVQ11G04M
C314	87-010-402-040	CAP,E 2.2-50 SME		S202	87-A90-095-080		SW,TACT EVQ11G04M
CN301	87-009-241-010	CONNECTOR, 11P		S203	87-A90-095-080		SW,TACT EVQ11G04M
CN302	87-099-194-010	CONN,6P 6216V		S204	87-A90-095-080		SW,TACT EVQ11G04M
CN303	87-099-015-010	CONN,13P 6216V		S205	87-A90-095-080		SW,TACT EVQ11G04M
CN304	87-099-667-010	CONN,8P TUC-P8P-B1		S206	87-A90-095-080		SW,TACT EVQ11G04M
CN305	87-099-570-010	CONN,13P TUC-P13P-B1		S207	87-A90-095-080		SW,TACT EVQ11G04M
FB301	87-008-372-080	FILTER, EMI BL OIRNI		S208	87-A90-095-080		SW,TACT EVQ11G04M
FB302	87-008-372-080	FILTER, EMI BL OIRNI		X1	87-A70-075-080		VIB,CER 4.19MHZ CRHF
FB303	87-008-372-080	FILTER, EMI BL OIRNI		KEY C.B			
FB304	87-008-372-080	FILTER, EMI BL OIRNI		S101	87-A90-095-080		SW,TACT EVQ11G04M
FB305	87-008-372-080	FILTER, EMI BL OIRNI		S102	87-A90-095-080		SW,TACT EVQ11G04M
FB306	87-008-372-080	FILTER, EMI BL OIRNI					
FB307	87-008-372-080	FILTER, EMI BL OIRNI					
L301	87-005-152-080	COIL,10UH					
L302	87-005-165-080	COIL 1UH (H,E)					
W301	88-SX1-610-010	CORD,FG 11P					
W302	88-906-481-110	FF-CABLE,6P 1.25 480MM					
W303	88-913-121-110	FF-CABLE,P1.25					
FRONT C.B							
C1	87-010-264-040	CAP,E 100-10 5L					
C2	87-010-072-040	CAP,E 2.2-50 5L					
C4	87-010-246-040	CAP,E 47-35 SME					
C5	87-010-190-080	S CHIP F 0.01					
C6	87-010-196-080	CHIP CAPACITOR,0.1-25					
C7	87-010-197-080	CAP, CHIP 0.01 DM					
C8	87-010-314-080	C-CAP,S 22P-50V					
C9	87-010-316-080	C-CAP,S 33P-50 CH					
C10	87-010-315-080	C-CAP,S 27P-50 CH					
C11	87-010-196-080	CHIP CAPACITOR,0.1-25					
C12	87-010-197-080	CAP, CHIP 0.01 DM					
C14	87-010-405-040	CAP,E 10-50					
C15	87-010-405-040	CAP,E 10-50					
C201	87-018-134-080	CAPACITOR,TC-U 0.01-16					
C202	87-010-197-080	CAP, CHIP 0.01 DM					
C203	87-010-197-080	CAP, CHIP 0.01 DM					
C204	87-018-134-080	CAPACITOR,TC-U 0.01-16					
C251	87-010-178-080	CHIP CAP 1000P					
C252	87-010-178-080	CHIP CAP 1000P					
C253	87-010-178-080	CHIP CAP 1000P					

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

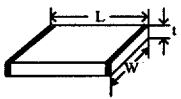
Chip Resistor Part Coding

8 8 - □ □ □ □ □ □

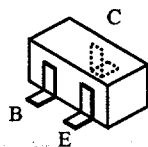
A
抵抗部品コード
Resistor Code

桁表示
Figure
抵抗値
Value of resistor

チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				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

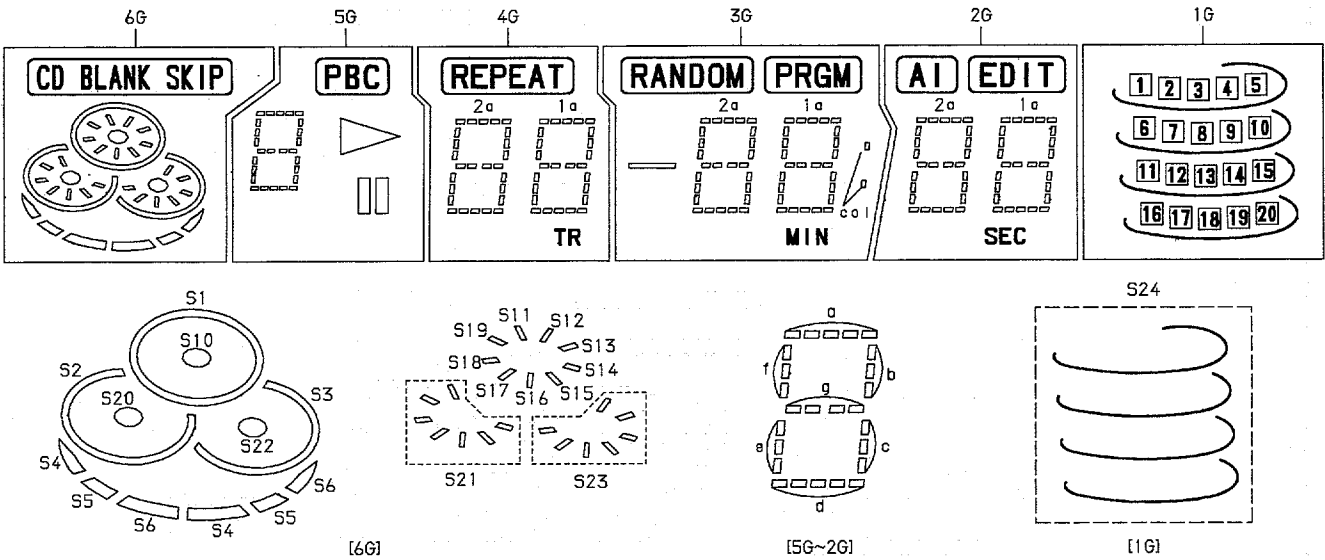
TRANSISTOR ILLUSTRATION (DX-NH1100)



2SC3052
RN1410

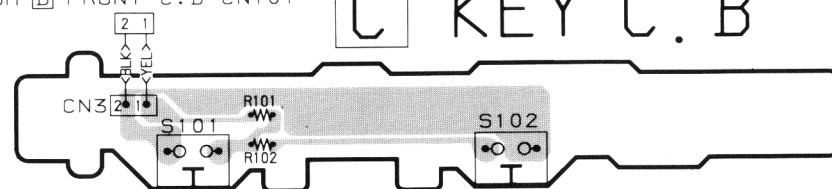
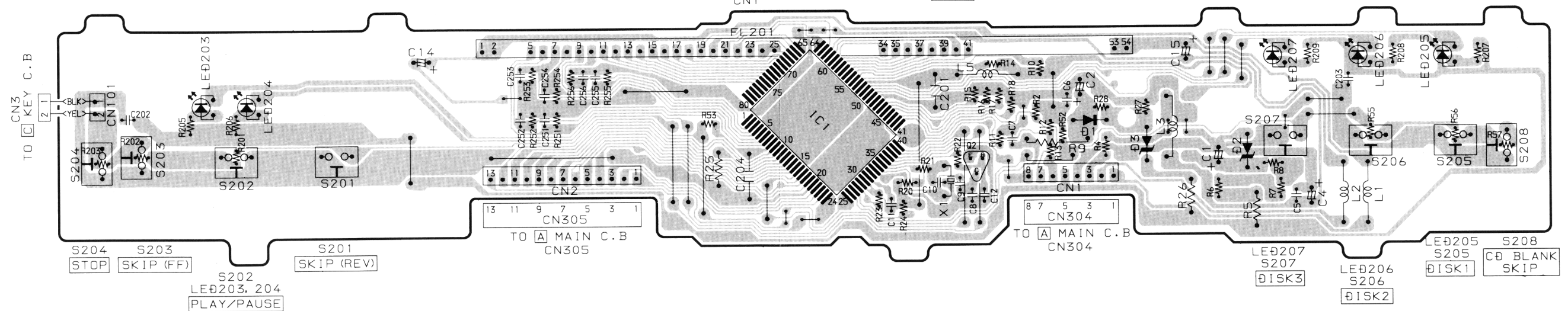
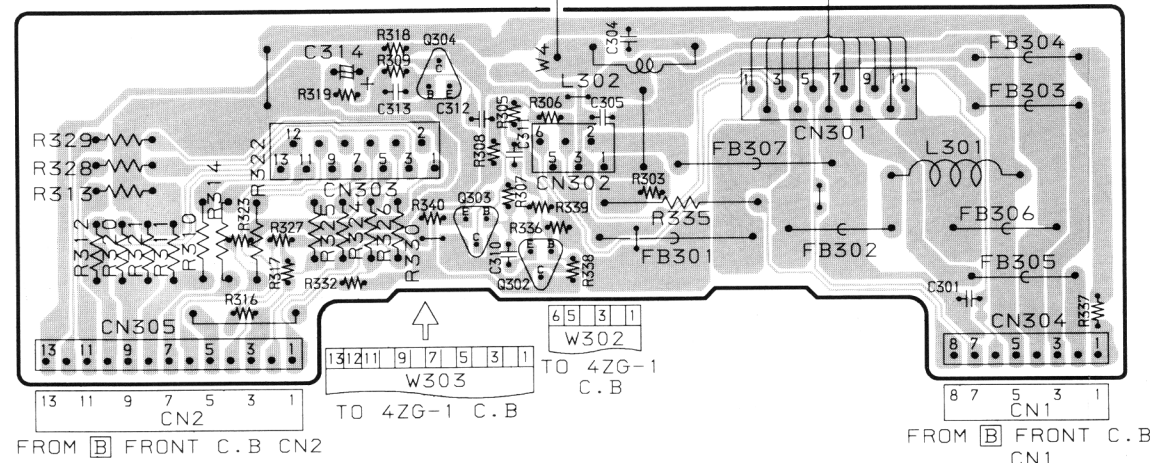
FL (6-BT-303GNK) GRID ASSIGNMENT & ANODE CONNECTION (DX-NH1100)

GRID ASSIGNMENT & ANODE CONNECTION (DX-NH1100)



ANODE CONNECTION

	6G	5G	4G	3G	2G	1G
P1	S10	a	1a	1a	1a	1
P2	S12	b	1b	1b	1b	2
P3	S11	f	1f	1f	1f	3
P4	S13	g	1g	1g	1g	4
P5	S19	c	1c	1c	1c	5
P6	S14	e	1e	1e	1e	6
P7	S18	d	1d	1d	1d	7
P8	S15	-	-		-	8
P9	S17	▶	2a	2a	2a	9
P10	S16	▯▯	2b	2b	2b	10
P11	S1	-	2f	2f	2f	11
P12	S20	-	2g	2g	2g	12
P13	S21	-	2c	2c	2c	13
P14	S2	-	2e	2e	2e	14
P15	S22	-	2d	2d	2d	15
P16	S23	-	TR	MIN	SEC	16
P17	S3	PBC	REPEAT	col	EDIT	17
P18	S4	(PBC)	(REPEAT)	PRGM	(EDIT)	18
P19	S5	-	-	(PRGM)	AI	19
P20	S6	-	-	RANDOM	(AI)	20
P21	CD BLANK SKIP	-	-	(RANDOM)	-	S24
P22	(CD BLANK SKIP)	-	-	-	-	-



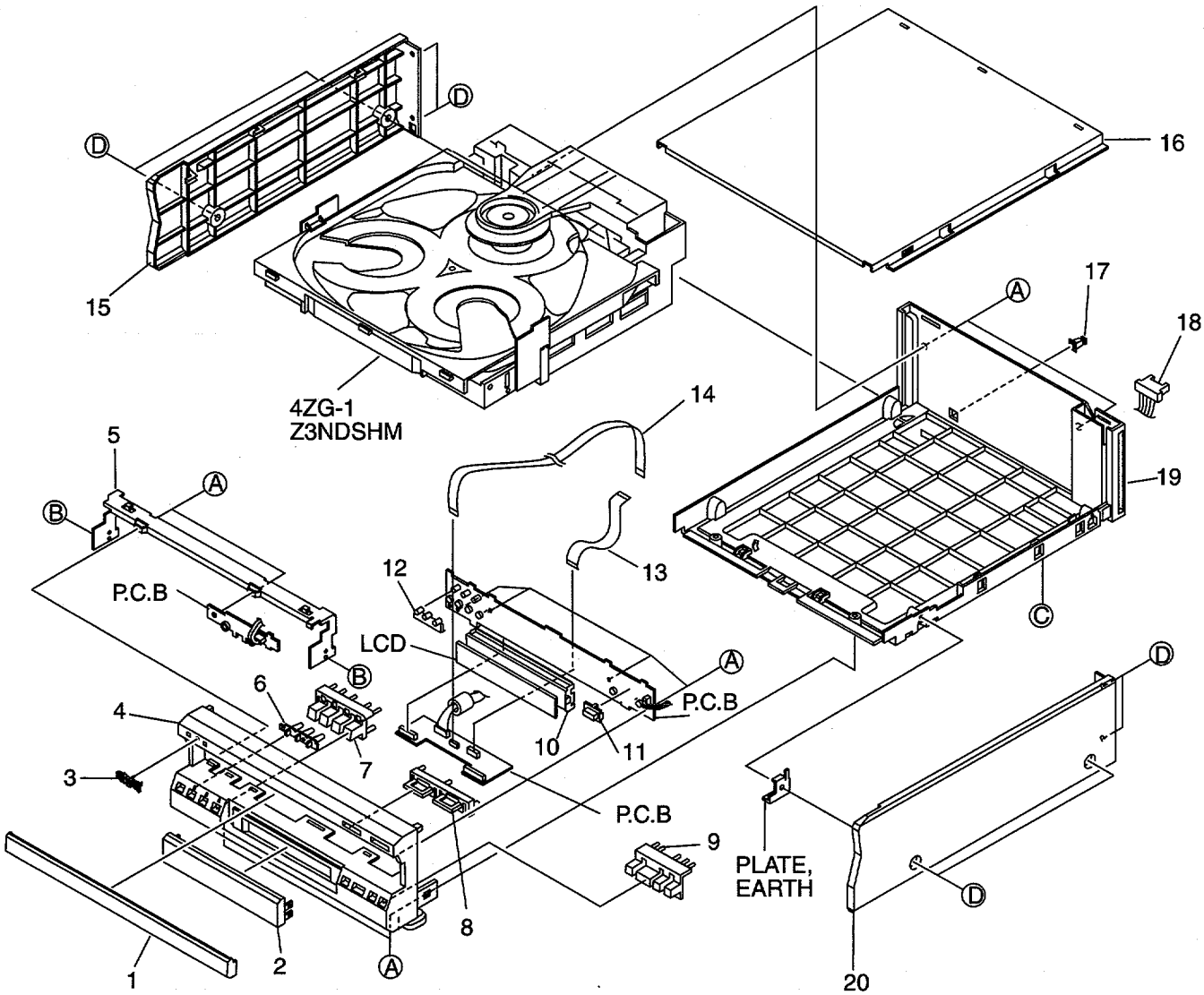
IC DESCRIPTION (DX-NH1100)

IC, UPD78046HGF-032-3B9

Pin No.	Pin Name	I/O	Description
1	NC	–	Not connected.
2~7	G6~G1	O	FL grid output G6~G1.
8	VDD	–	Power supply terminal.
9	O-DISH R	O	CD turntable reverse rotation output.
10	O-DISH F	O	CD turntable forward rotation output.
11	O-CD LED	O	CD flash window LED ON/OFF output.
12	I/O BUSY	I/O	DSP serial latch output.
13	I-SQCLK	I	DSP SUB Q read-out clock output.
14	O-CLK	O	CD clock output.
15	O-DATA	O	CD data output.
16	I-SQDATA	I	DSP serial data input.
17	RESET	I	Reset input.
18	O-TRYOPN	O	CD tray open output.
19	O-TRYCLS	O	CD tray close output.
20	A VSS	–	GND.
21	I-WRQ	I	CD WRQ input.
22	I-SW	I	CD motor key switch A/D input.
23	I-DISH S	I	CD turntable photo sensor A/D input.
24	B-SKIP	I	BLANK SKIP A/D input.
25	I-KEY1	I	Key1 A/D input.
26	I-KEY2	I	Key2 A/D input.
27	NC	–	Not used.
28	NC	–	Not used.
29	A VDD	–	Power supply terminal.
30	A VREF	–	Power supply terminal.
31	XT1	–	Connect to GND.
32	XT2	–	Connect to GND.
33	VSS	–	GND.
34	X1	–	4.19MHz oscillator circuit.
35	X2		
36	O-SHIFT	O	Micro controller clock shift output. (Shift when "L").
37	O-CD ON	O	Power supply output for CD circuit ("H": ON).
38	LED-2	O	Play LED output.
39	LED-1	O	Pause LED output.
40	NC	–	Not used.
41	O-MUTE	O	CD Audio mute output.
42	NC	–	Not used.
43	I/O-SERIAL	I/O	Serial data input / output.
44~46	NC	–	Not used.
47,48	IC	–	Connect to GND.
49	LED4	O	Disc1 LED output.
50	LED5	O	Disc2 LED output.

Pin No.	Pin Name	I/O	Description
51	$\overline{\text{LED6}}$	O	Disc3 LED output.
52	VDD	–	Power supply terminal.
53	NC	–	Not used.
54	NC	–	Not used.
55	P22 (O-SEG V)	O	FL segment output P22.
56	P19 (O-SEG S)	O	FL segment output P19.
57	P18 (O-SEG R)	O	FL segment output P18.
58	P17 (O-SEG Q)	O	FL segment output P17.
59	P16 (O-SEG P)	O	FL segment output P16.
60	P15 (O-SEG O)	O	FL segment output P15.
61	P20 (O-SEG T)	O	FL segment output P20.
62	P21 (O-SEG U)	O	FL segment output P21.
63	P9 (O-SEG I)	O	FL segment output P9.
64	P10 (O-SEG J)	O	FL segment output P10.
65	P11 (O-SEG K)	O	FL segment output P11.
66	P12 (O-SEG L)	O	FL segment output P12.
67	P13 (O-SEG M)	O	FL segment output P13.
68	P14 (O-SEG N)	O	FL segment output P14.
69, 70, 72~77	P8~1 (O-SEG H~A)	O	FL segment output P8~P1.
71	-VFL	–	FL display negative supply terminal.
78~80	NC	–	Not connected.

MECHANICAL EXPLODED VIEW 1 / 1 (DX-NH1100)



MECHANICAL PARTS LIST 1 / 1 (DX-NH1100)

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-SX1-002-010		PANEL, TRAY
2	8Z-SX1-003-010		WINDOW, CD
3	87-B00-002-010		BADGE, AIWA 30 ABS SIL
4	8Z-SX1-001-010		CABI, FR
5	8Z-SX1-201-010		HLDR, CD
6	8Z-SX1-009-010		REFLECTOR, DISC
7	8Z-SX1-005-010		KEY, DISC
8	8Z-SX1-004-010		KEY, OPEN
9	8Z-SX1-008-010		KEY, ASSY OPE
10	88-SX1-203-210		GUIDE, FL
11	8Z-SX1-202-010		GUIDE, LED OPE
12	8Z-SX1-203-010		GUIDE, LED DISC
13	88-913-121-110		FF-CABLE, P1.25
14	88-906-481-110		FF-CABLE, 6P 1.25 480MM
15	8Z-SX1-011-010		PANEL, SIDE L
16	8Z-SX1-013-010		CABI, STEEL
17	84-ZG1-245-210		CAP, OPTICAL
18	88-SX1-610-010		CORD, FG 11P
19	8Z-SX1-016-010		CABI, REAR YJSM<YJ>
19	8Z-SX1-017-010		CABI, REAR YSM<Y>
20	8Z-SX1-012-010		PANEL, SIDE R
A	87-067-703-010		TAPPING SCREW, BVT2+3-10
B	87-721-097-410		QT2+3-12 GLD
C	87-067-633-010		TAPPING SCREW, BVT2+3-8
D	87-B10-091-010		UT2+3-10 W/O BLK

COLOR NAME TABLE

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

MODEL NO.

FX-NH1100

ELECTRICAL MAIN PARTS LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

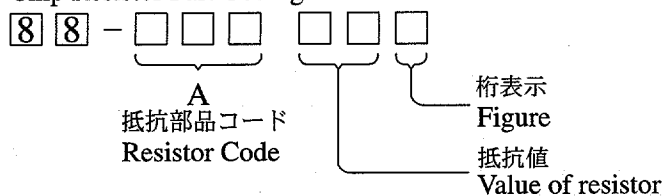
REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC				C356	87-010-260-080		CAP, ELECT 47-25V
	87-A20-455-010		IC, HA12211	C357	87-010-197-080		C-CAP, S 0.01-25 KB C2012
	87-A20-355-010		IC, CXA1553P	C358	87-010-183-080		C-CAP, S 2700P-50 B
	8Z-SW1-608-040		IC, M38503M4-094FP T4	C359	87-010-183-080		C-CAP, S 2700P-50 B
	87-020-454-010		IC, DN6851	C360	87-010-183-080		C-CAP, S 2700P-50 B
TRANSISTOR				C370	87-010-196-080		CHIP CAPACITOR, 0.1-25
	87-A30-087-080		C-FET, 2SK2158	C371	87-010-179-080		CAP, CHIP S B1200P
	87-A30-074-080		C-TR, RT1P 141C	C372	87-010-179-080		CAP, CHIP S B1200P
	87-026-610-080		TR, KTC3198GR	C373	87-010-179-080		CAP, CHIP S B1200P
	87-A30-073-080		C-TR, RT1N 141C	C374	87-010-179-080		CAP, CHIP S B1200P
	87-A30-076-080		C-TR, 2SC3052F	C375	87-010-545-080		CAP, ELECT 0.22-50V
	89-112-965-080		TR, 2SA1296 (0.75W)	C376	87-010-545-080		CAP, ELECT 0.22-50V
	87-A30-085-070		C-TR, CSA1362GR	C378	87-010-196-080		CHIP CAPACITOR, 0.1-25
	89-318-155-080		TR, 2SC1815 (0.4W)	C381	87-010-197-080		C-CAP, S 0.01-25 KB C2012
	89-332-665-080		TR, 2SC3266GR<YJSM>	C382	87-010-318-080		C-CAP, S 47P-50 CH
	87-A30-164-080		TR, CSC2001K<YSM>	C383	87-010-197-080		C-CAP, S 0.01-25 KB C2012
	87-026-263-080		C-TR, RN1410	C384	87-010-403-080		CAP, ELECT 3.3-50V
	87-A30-071-080		C-TR, RT1N 144C	C385	87-010-184-080		CHIP CAPACITOR 3300P(K)
	87-026-463-080		TR, 2SA933SRS	C386	87-010-196-080		CHIP CAPACITOR, 0.1-25
DIODE				C399	87-010-197-080		CAP, CHIP 0.01 DM<YSM>
	87-A40-269-080		C-DIODE, MC2836	C601	87-015-997-090		CAP, E 2200-16 SME
	87-020-465-080		DIODE, 1SS133 (110MA)	C602	87-010-381-080		CAP, ELECT 330-16V
	87-017-931-080		ZENER, MTZJ5.6B	C603	87-010-101-080		CAP, ELECT 220-16
MAIN C.B				C604	87-010-237-080		CAP, ELECT 1000-16V
C301	87-010-318-080		C-CAP, S 47P-50 CH	C605	87-010-198-080		CAP, CHIP 0.022
C302	87-010-318-080		C-CAP, S 47P-50 CH	C606	87-010-404-080		CAP, ELECT 4.7-50V
C303	87-012-157-080		C-CAP, S 330P-50 CH	C607	87-010-263-080		CAP, ELECT 100-10V
C304	87-012-157-080		C-CAP, S 330P-50 CH	C609	87-010-196-080		CHIP CAPACITOR, 0.1-25
C305	87-012-145-080		CAP, CHIP S 270P CH	C610	87-010-318-080		C-CAP, S 47P-50 CH
C306	87-012-145-080		CAP, CHIP S 270P CH	C611	87-010-312-080		C-CAP, S 15P-50 CH
C307	87-010-196-080		CHIP CAPACITOR, 0.1-25	C612	87-010-315-080		C-CAP, S 27P-50 CH
C311	87-010-198-080		CAP, CHIP 0.022	C613	87-010-404-080		CAP, ELECT 4.7-50V
C312	87-010-198-080		CAP, CHIP 0.022	C614	87-010-197-080		CAP, CHIP 0.01 DM
C313	87-010-180-080		C-CER 1500P	CN301	87-049-919-010		CONN, 3P EH V WHT
C314	87-010-180-080		C-CER 1500P	CN501	87-099-750-010		CONN, 15P V 9604SC
C315	87-010-178-080		CHIP CAP 1000P<YSM>	CN702	87-A60-062-010		CONN, 05P V 9604S-05C
C316	87-010-178-080		CHIP CAP 1000P<YSM>	CN704	87-A60-060-010		CONN, 07P V 9604S-07C
C317	87-012-142-080		CAP, S 0.33-16	FB301	87-008-372-080		FILTER, EMI BL OIRNI
C318	87-012-142-080		CAP, S 0.33-16	FB601	87-008-372-080		FILTER, EMI BL OIRNI
C319	87-012-141-080		CHIP-CAPACITOR, 0.22-16F	FB602	87-008-372-080		FILTER, EMI BL OIRNI
C320	87-012-141-080		CHIP-CAPACITOR, 0.22-16F	FB603	87-008-372-080		FILTER, EMI BL OIRNI
C321	87-012-141-080		CHIP-CAPACITOR, 0.22-16F	FB604	87-A90-923-010		F-BEAD, 8-13-14 E1314MRT
C322	87-012-141-080		CHIP-CAPACITOR, 0.22-16F	L301	87-A50-049-010		COIL, TRAP 85K(COI)
C324	87-010-260-080		CAP, ELECT 47-25V	L302	87-A50-049-010		COIL, TRAP 85K(COI)
C325	87-010-370-080		CAP, E 330-6.3 SME	L351	87-007-342-010		COIL, OSC 85K BIAS
C327	87-010-404-080		CAP, ELECT 4.7-50V	L601	87-005-130-080		COIL, 10UH
C328	87-010-404-080		CAP, ELECT 4.7-50V	L603	87-005-130-080		COIL, 10UH
C332	87-010-196-080		CHIP CAPACITOR, 0.1-25	PIN301	87-099-827-010		CONN, 3P S2M-3W
C335	87-010-401-080		CAP, ELECT 1-50V	PIN351	87-099-832-010		CONN, 8P S2M-8W
C336	87-010-401-080		CAP, ELECT 1-50V	SFR301	87-024-355-080		SFR, 33K DIA6 H
C337	87-010-196-080		CHIP CAPACITOR, 0.1-25	SFR302	87-024-355-080		SFR, 33K DIA6 H
C339	87-010-196-080		CHIP CAPACITOR, 0.1-25	SFR303	87-024-355-080		SFR, 33K DIA6 H
C340	87-010-196-080		CHIP CAPACITOR, 0.1-25	SFR304	87-024-355-080		SFR, 33K DIA6 H
C351	87-012-140-080		CAP 470P	SFR305	87-024-356-080		SFR, 47K DIA6 H
C352	87-012-140-080		CAP 470P	SFR306	87-024-356-080		SFR, 47K DIA6 H
C354	87-010-175-080		CAP 560P<YSM>	SFR351	87-024-356-080		SFR, 47K DIA6 H
C355	87-010-178-080		CHIP CAP 1000P<YSM>	SFR352	87-024-356-080		SFR, 47K DIA6 H
				W601	88-SW1-607-010		CORD, FG9P
				X601	87-A70-120-080		VIB, 8.00MHZ MTZ-TF01
				FRONT-1 C.B			
				CN701	87-A60-062-010		CONN, 05P V 9604S-05C

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
D701	87-070-278-010		LED,SLZ-738A-24-S	HEAD-2 C.B			
D702	87-002-787-080		LED,SEL 6215S RED				
S701	87-A90-095-080		SW,TACT EVQ11G04M		85-ZM3-602-010		PWB, FLEX A
S702	87-A90-095-080		SW,TACT EVQ11G04M				
S703	87-A90-095-080		SW,TACT EVQ11G04M	DECK C.B			
S704	87-A90-095-080		SW,TACT EVQ11G04M	CN502	87-099-756-010		CONN,15P 9604 S F
FRONT-2 C.B				SFR1	87-024-581-089		SFR,3.3K DIA 6H
CN703	87-A60-060-010		CONN,07P V 9604S-07C	SOL1	82-ZM1-618-010		SOL ASSY, 27
D711	87-A40-496-040		LED,SLR-342MCT31 GRN	SOL2	82-ZM1-618-010		SOL ASSY, 27
D712	87-A40-496-040		LED,SLR-342MCT31 GRN	SW1	87-A90-248-010		SW,MICROESE11SH2CXQ
D713	87-A40-496-040		LED,SLR-342MCT31 GRN	SW2	87-A90-248-010		SW,MICROESE11SH2CXQ
D714	87-070-278-010		LED,SLZ-738A-24-S	SW3	87-A90-248-010		SW,MICROESE11SH2CXQ
S711	87-A90-095-080		SW,TACT EVQ11G04M	SW4	87-036-110-010		SW,MICRO SPPB62
S712	87-A90-095-080		SW,TACT EVQ11G04M	SW5	87-036-110-010		SW,MICRO SPPB62
S713	87-A90-095-080		SW,TACT EVQ11G04M	SW6	87-036-110-010		SW,MICRO SPPB62
S714	87-A90-095-080		SW,TACT EVQ11G04M	SW8	87-A90-248-010		SW,MICRO ESE11SH2CXQ
S715	87-A90-095-080		SW,TACT EVQ11G04M	SW9	87-036-110-010		SW,MICRO SPPB62
HEAD-1 C.B				W1	82-ZM3-601-010		RBN,CORD 4P-75
	85-ZM3-602-010		PWB, FLEX A				

○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 (FX-NH1100)



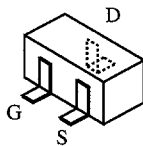
E C B

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2SC3266
CSC2001K
KTC3198GR

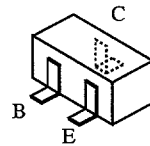


B C E

2SA1296



2SK2158



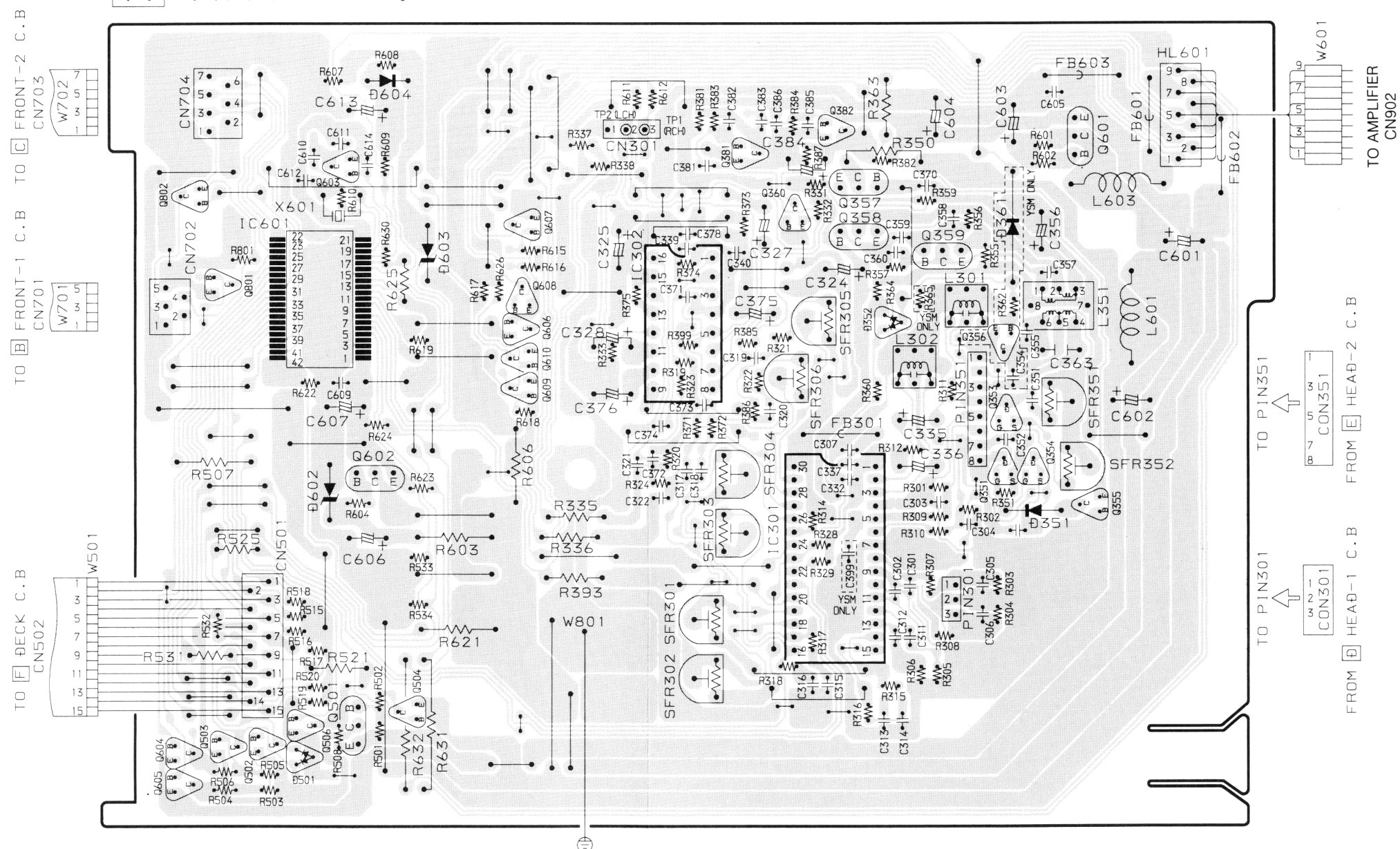
2SC3052
CSA1362
RN1410
RT1N141C
RT1N144C
RT1P141C



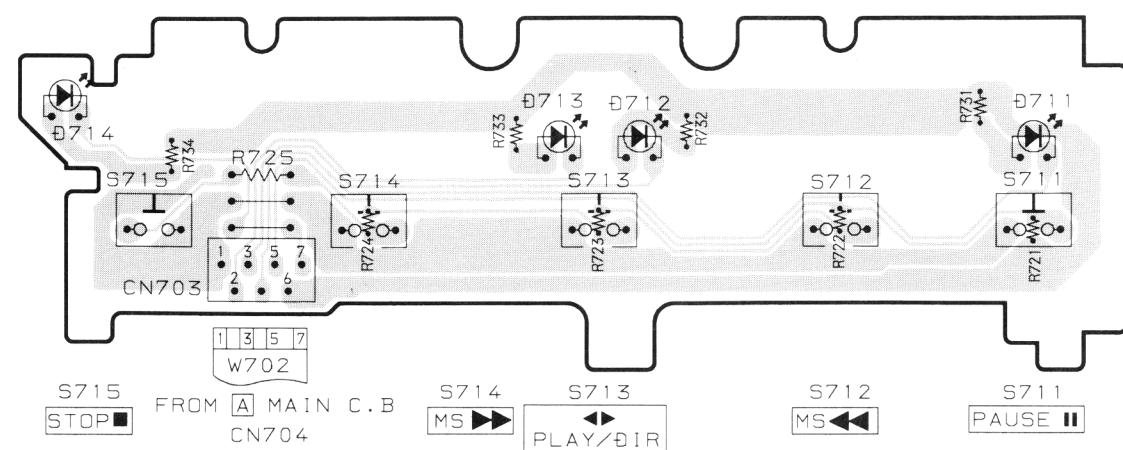
E C B

2SA933SRS

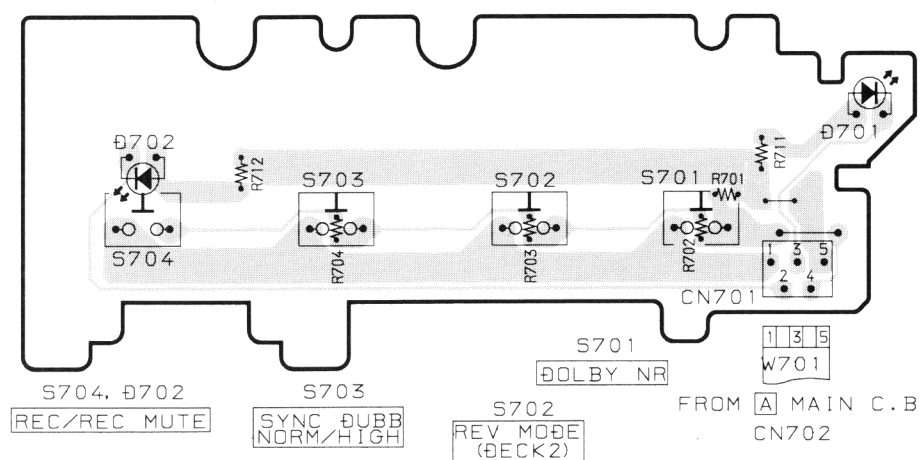
A MAIN C.B



C FRONT-2 C.B

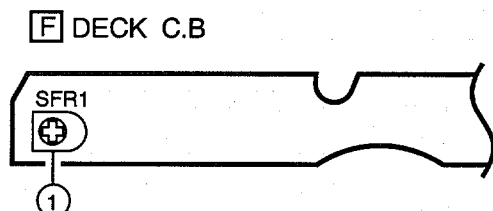
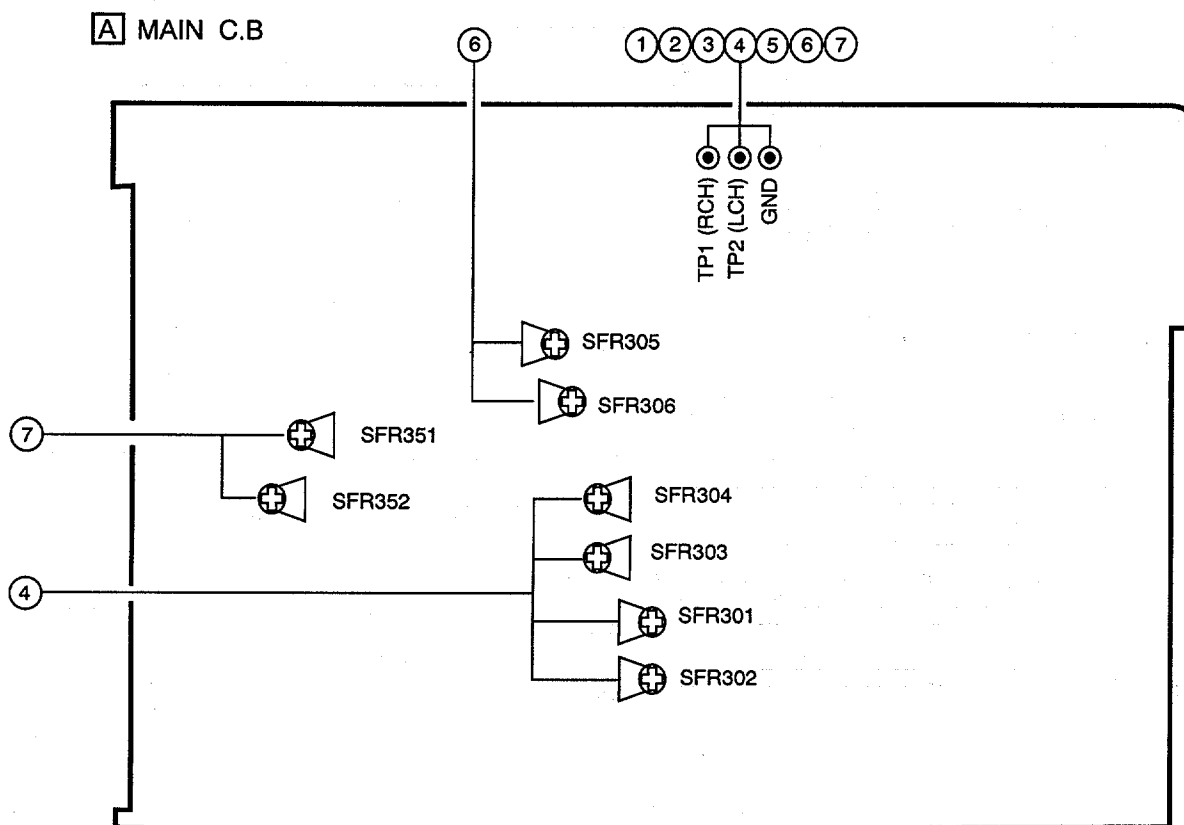


B FRONT-1 C. B

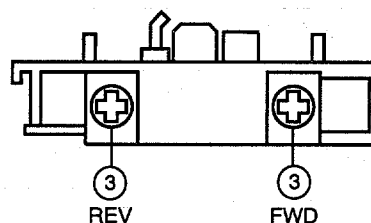




ADJUSTMENT <DECK> (FX-NH1100)



DECK-1 P, DECK-2R/P/E HEAD HEAD



< DECK SECTION >

1. Tape Normal Speed Adjustment (DECK1, DECK2)
 Settings : • Test tape : TTA-100 (Tape center)
 • Test point : TP1 (Rch), TP2 (Lch)
 • Adjustment location : SFR1
 Method : Play back the test tape and adjust SFR1 so that the test point becomes $3000\text{Hz} \pm 5\text{Hz}$ (FWD)
 Then check REV speed is $3000\text{Hz} \pm 45\text{Hz}$.
2. High Speed Check (DECK1, DECK2)
 Settings : • Test tape : TTA-100 (Tape center)
 • Test point : TP1 (Rch), TP2 (Lch)
 Method : After normal speed adjustment, play back (High speed) the test tape. Then check tape speed is $6000\text{Hz} \pm 400\text{Hz}$ (FWD).
3. Head Azimuth Adjustment (DECK1, DECK2)
 Settings : • Test tape : TTA-300
 • Test point : TP1 (Rch), TP2 (Lch)
 • Adjustment location : Head azimuth adjustment screw
 Method : Play back the 10kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on each FWD PLAY and REV PLAY mode.
4. PB Sensitivity Adjustment (DECK1, DECK2)
 Settings : • Test tape : TTA-200
 • Test point : TP1 (Rch), TP2 (Lch)
 • Adjustment location : SFR301 (DECK1, Lch)
 SFR302 (DECK1, Rch)
 SFR303 (DECK2, Lch)
 SFR304 (DECK2, Rch)
 Method : Play back the test tape and adjust SFRs so that the output level of the test point becomes 245mV (DECK2), 260mV (DECK1).
5. PB Frequency Response Check (DECK1, DECK2)
 Settings : • Test tape : TTA-300
 • Test point : TP1 (Rch), TP2 (Lch)
 Method : Play back the 315Hz and 10kHz signals of the test tape and check that the output ratio of the 10kHz signal with respect to that of the 315Hz signal is 0dB.
 Next, check that the Lch and Rch difference level of 10kHz signal is less than 2dB.

6. REC/PB Sensitivity Adjustment (DECK2)

Settings : • Test tape : TTA-602
 • Test point : TP1 (Rch), TP2 (Lch)
 • Input signal : 1kHz (LINE IN)
 • Adjustment location : SFR305 (Lch)
 SFR306 (Rch)

Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP1, TP2 becomes 0dB (17mV). Record and play back the 1kHz signals and adjust SFRs so that the output is 0dB $\pm$ 0.5dB.

7. REC/PB Frequency Response Adjustment (DECK2)

Settings : • Test tape : TTA-602
 • Test point : TP2 (Lch), TP1 (Rch)
 • Input signal : 1kHz / 10kHz
 (LINE IN)
 • Adjustment location : SFR351 (Lch)
 SFR352 (Rch)

Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP1, TP2 becomes 0dB (17mV). Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output level of the 10kHz signals becomes 0dB $\pm$ 0.5dB with respect to that of the 1kHz signal.

<DECK SECTION>

Tape speed : 3000Hz $\pm$ 45Hz
 Wow & flutter : Less than 0.21% (W.R.M.S DECK 1, 2)
 Pinch roller pressure : 270 ~ 330g (FWD, REV)
 Take-up torque : 30 ~ 55g-cm (FWD, REV)
 F.F & REW torque : 75 ~ 160g-cm (FWD)
 75 ~ 160g-cm (REW)
 Back tension : 3 $\pm$ 4g-cm (DECK 1, 2)
 PB Output level : 245mV $\pm$ 1dB (DECK 1)
 230mV $\pm$ 1dB (DECK 2)
 REC/PB Output level : 165mV $\pm$ 2dB (NORMAL, CrO2)
 Distortion (REC/PB) : Less than 2.0% (NORMAL, CrO2)
 Noise level (PB) : Less than 1.8mV
 (NORMAL, ALL FUNCTION OFF)
 Noise level (REC/PB) : Less than 2.0mV
 (NORMAL, ALL FUNCTION OFF)
 Erasing ratio : More than 60dB (at 125Hz, 10VU)
 Test tape : NORMAL : TTA-602
 CrO2 : TTA-615

IC DESCRIPTION (FX-NH1100)

IC, M38503M4-094FP T4

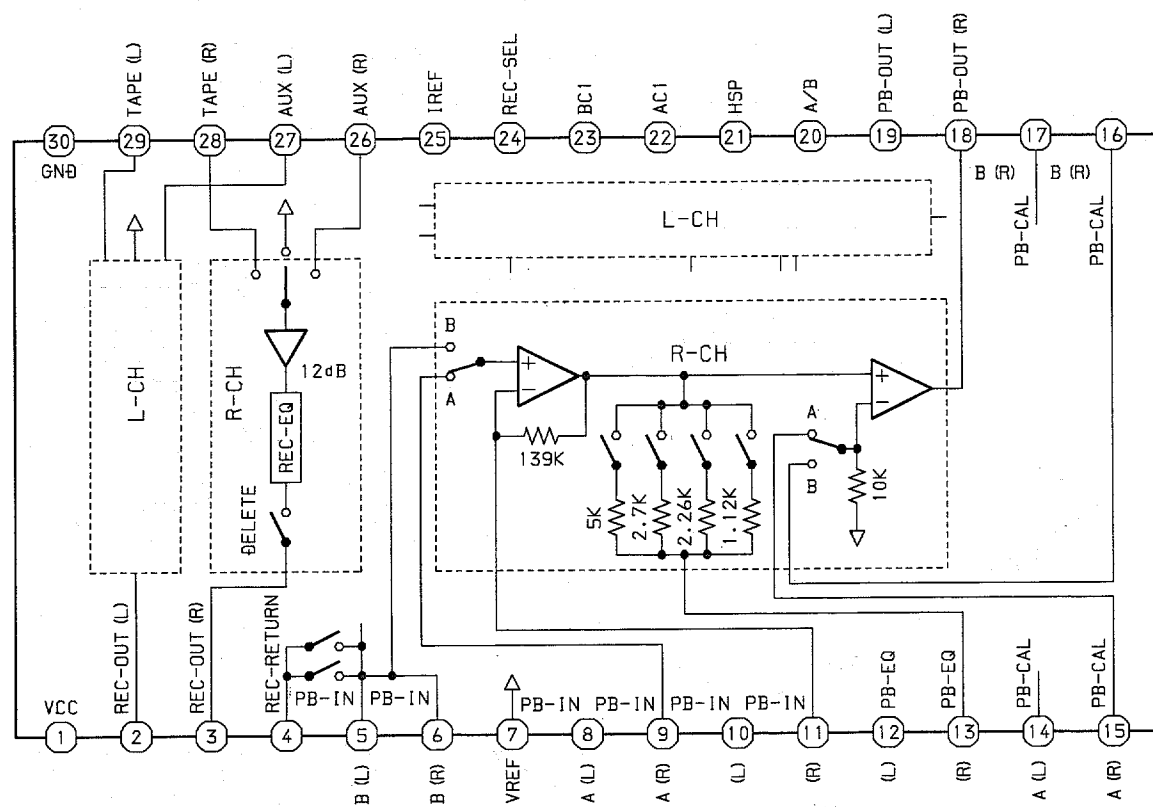
Pin No.	Pin Name	I/O	Description			
1	VCC	–	IC power supply.			
2	V-REF	–	Connected to VCC.			
3	AVSS	–	Connected to GND.			
4	NC	–	Not connected.			
5	I-AUTO1	I	Input of DECK 1 reel platform pulse.			
6	I-AUTO2	I	Input of DECK 2 reel platform pulse.			
7	O-PB-SEL	O	Three-state output. *2		O-REC-SEL	O-PB-SEL
8	O-REC-SEL	O		L	TAPE	DECK 2 REC
				H	REC IN	DECK 2 PB
				H1-Z	REC MUTE	DECK 1 PB
9	NC	–	Not connected.			
10	O-NR	O	When NR is ON: “L”.			
11	O-BIAS	O	BIAS control.			
12	O-LMT	O	Output LINE MUTE. When MUTE: “H”.			
13	O-COUNTER	O	Output tape counter data.			
14	SERIAL I/O	I/O	Serial I/O terminal.			
15	CN VSS	–	Connected to GND.			
16	O-B BEAT	O	For bias beat changeover. When in operation: “H”. Initial: “L”.			
17	O-C SHIFT	O	While clock shift: “L” **			
18	RESET	I	RESET signal input pin.			
19	XIN	I	Crystal oscillation pin.			
20	XOUT	O	Crystal oscillation pin.			
21	VSS	–	Connected to GND.			
22	D-FWD	O	When Power is ON: “L” under STOP status. When FWD operates: flashing (“L” ↔ “H” repeated). While FF: fast flashing.			
23	D-RVS	O	When Power is ON: “L” under STOP status. When RVS operates: flashing (“L” ↔ “H” repeated). While REW: fast flashing.			
24	D-PAUSE	O	When Power is ON: “L” under STOP status. While PAUSE: flashing (“L” ↔ “H” repeated).			
25	D-REC	O	While REC, DUBBING: “L”. While REC, MUTE: flashing.			
26	D-NR	O	When NR is ON: “L”. (Not connected)			
27	O-MOTOR	O	When MOTOR is in operation or power on (500msec): “H”.			
28	O-SOL2	O	When DECK 2 solenoid is in operation: “H”.			
29	O-SOL1	O	When DECK 1 solenoid is in operation: “H”.			
30	O-POWER	O	When POWER of MX-NM1000 / NH1000 is ON: “H” **			
31	I-CST-2	I	DECK 2 cassette detection. When cassette exists: “L”.			
32	I-RE-B	I	DECK 2 side B REC enable. When recordable: “L”.			
33	I-CAM-2	I	DECK 2 cam. When switch is ON: “L”.			
34	O-HSP	O	Output high speed signal. High speed: “L”.			
35	I-CAM-1	I	DECK 1 mechanism cam. When switch is ON: “L”.			
36	I-CST-1	I	DECK 1 cassette detection. When cassette exists: “L”.			
37	I-RE-A	I	DECK 2 side A REC enable. When recordable: “L”			

Pin No.	Pin Name	I/O	Description
38	O-DIMMER	O	Ordinarily "H". When MX-NH1100 is in DIMMER 1 or 2 mode: "L".
39	I-KEY2	I	KEY input 2. AD input.
40	I-KEY1	I	KEY input 1. AD input.
41	I- $\overline{\text{MS}}$	I	MS input. AD input.
42	I-HOLD	I	System power supply monitor. AD input.

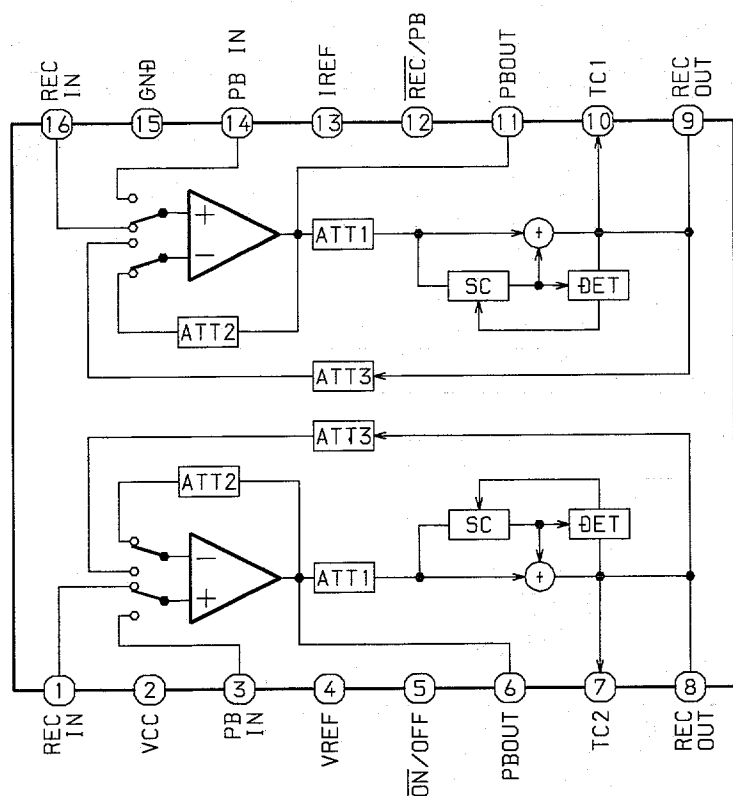
*P1Ns 22, 23, 24, 25, and 26 should be "H" when MX-NH1100 is in DIMMER 2 mode.

IC BLOCK DIAGRAM (FX-NH1100)

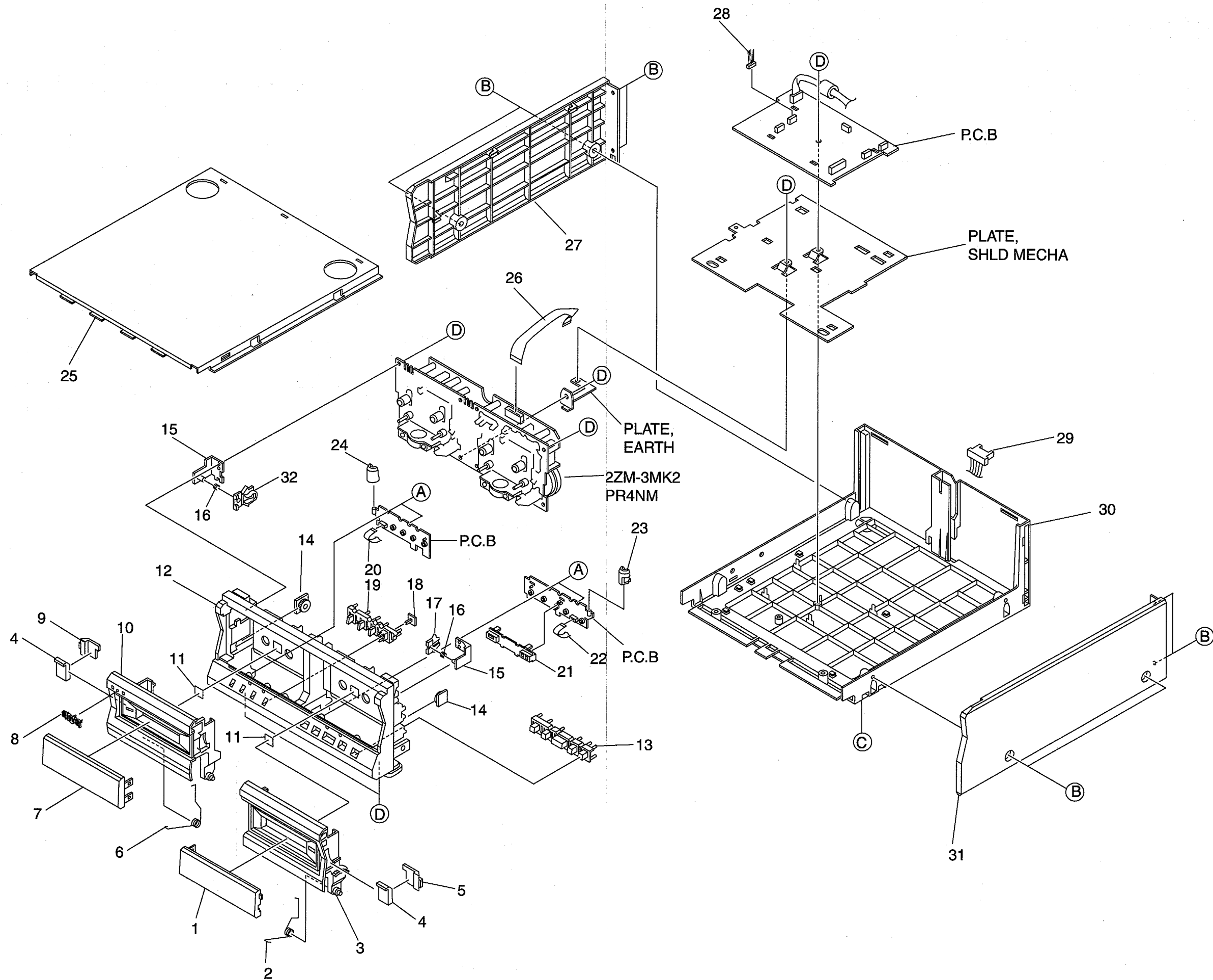
IC, HA12211



IC, CXA1553P



ATT:Attenuator
SC:Side Chain
DET:Detector



MECHANICAL PARTS LIST 1 / 1 (FX-NH1100)

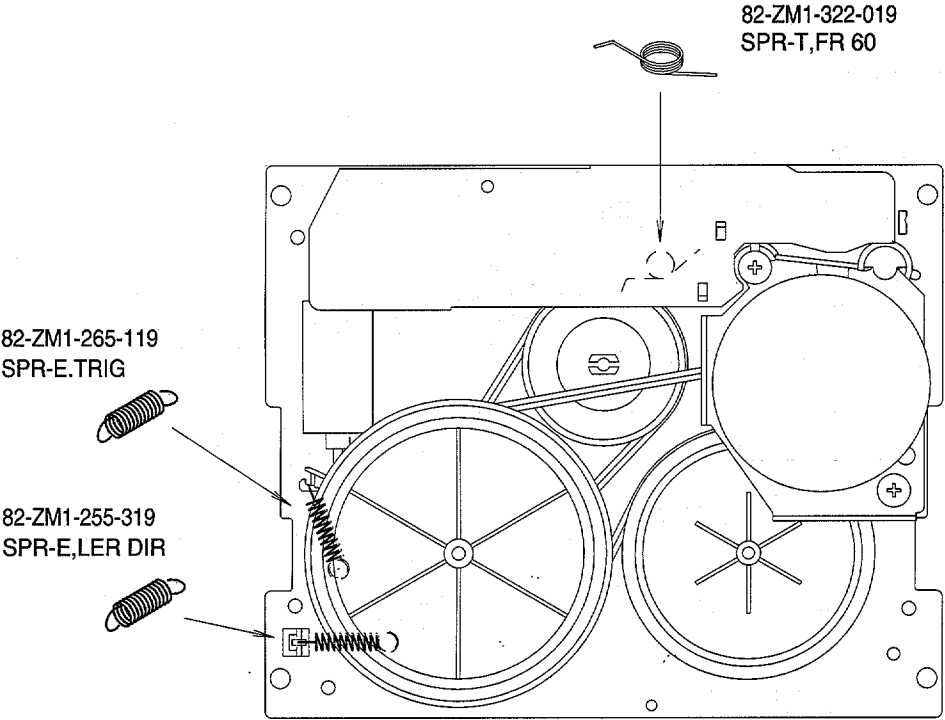
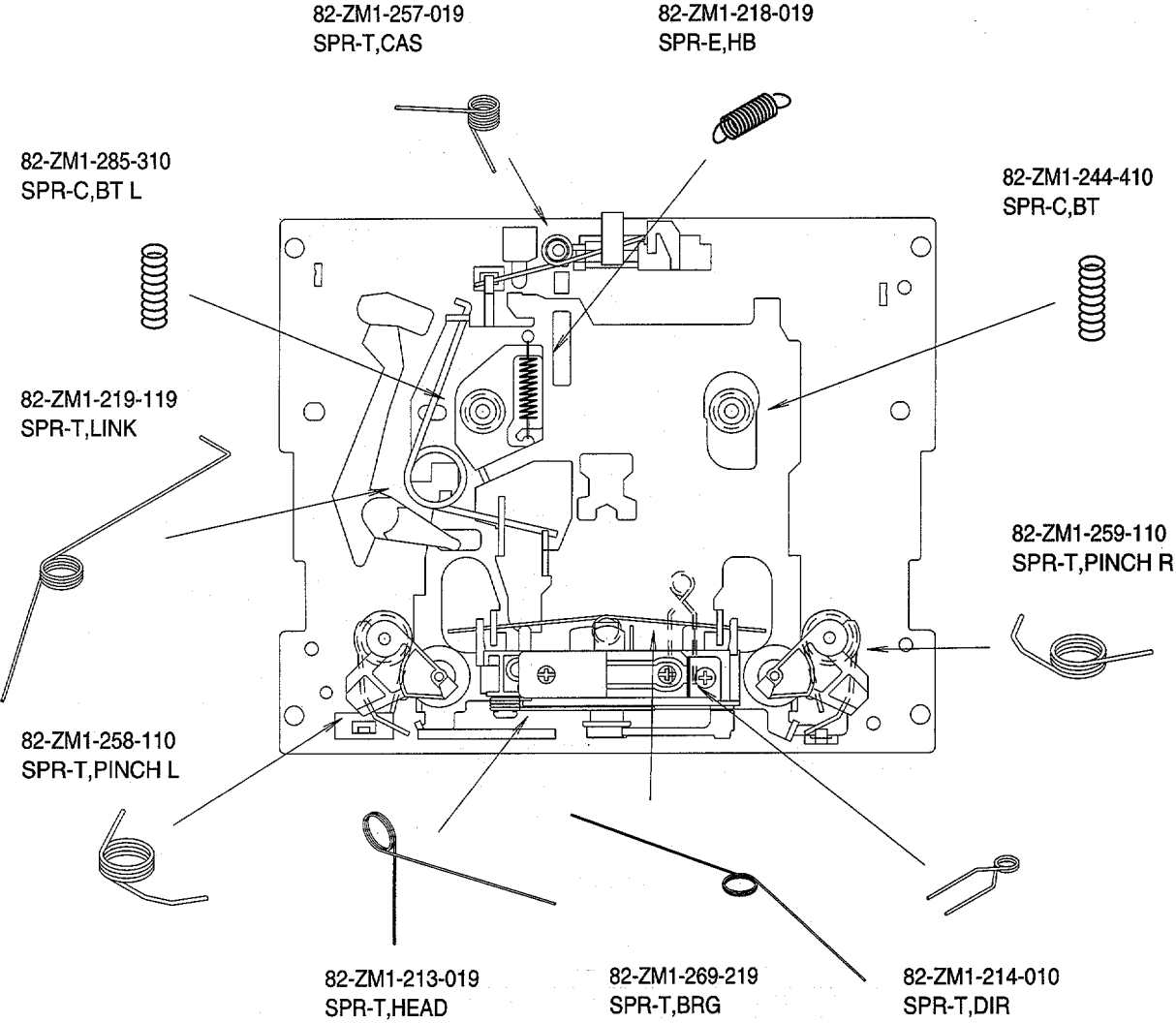
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-SW1-005-010		WINDOW, CASS 2	21	8Z-SW1-203-010		GUIDE, LED OPE
2	82-NF5-219-010		SPR-T, EJECT 2 (SIN)	22	88-907-301-110		FF-CABLE, 7P 1.25
3	8Z-SW1-003-010		BOX, CASS 2	23	8Z-SW1-206-010		GUIDE, LED CASS 2
4	8Z-SW1-013-010		REFLECTOR, CASS 1	24	8Z-SW1-205-010		GUIDE, LED CASS 1
5	8Z-SW1-202-010		COVER, REFLECTOR 2	25	8Z-SW1-015-010		CABI, STEEL
6	82-NF5-218-010		SPR-T, EJECT 1 (SIN)	26	88-915-161-110		FF-CABLE, 15P 1.25
7	8Z-SW1-004-010		WINDOW, CASS 1	27	8Z-SW1-016-010		PANEL, SIDE L
8	87-B00-002-010		BADGE, AIWA 30 ABS SIL	28	86-NF5-618-110		CONN ASSY, 8P RPB
9	8Z-SW1-201-010		COVER, REFLECTOR 1	29	88-SW1-607-010		CORD, FG9P
10	8Z-SW1-002-010		BOX, CASS 1	30	8Z-SW1-020-010		CABI, REAR YJSM<YJ>
11	81-532-080-010		LABEL, CASS. COMPT	30	8Z-SW1-022-010		CABI, REAR YSM<Y>
12	8Z-SW1-001-010		CABI, FR	31	8Z-SW1-017-010		PANEL, SIDE R
13	8Z-SW1-012-010		KEY, ASSY OPE	32	87-NF4-216-010		HLDR, LOCK 1
14	87-NF8-220-010		DMPR, 150	A	87-067-579-010		TAPPING SCREW, BVT2+3-8
15	82-NF5-229-010		PLATE, LOCK	B	87-B10-091-010		UTT2+3-10 W/O BLK
16	86-NF9-224-010		SPR-C, LOCK	C	87-067-633-010		TAPPING SCREW, BVT2+3-8
17	87-NF4-217-110		HLDR, LOCK 2	D	87-067-703-010		TAPPING SCREW, BVT2+3-10
18	8Z-SW1-204-010		GUIDE, LED				
19	8Z-SW1-011-010		KEY, ASSY REC				
20	88-905-331-110		FF-CABLE, 5P 1.25 330MM				

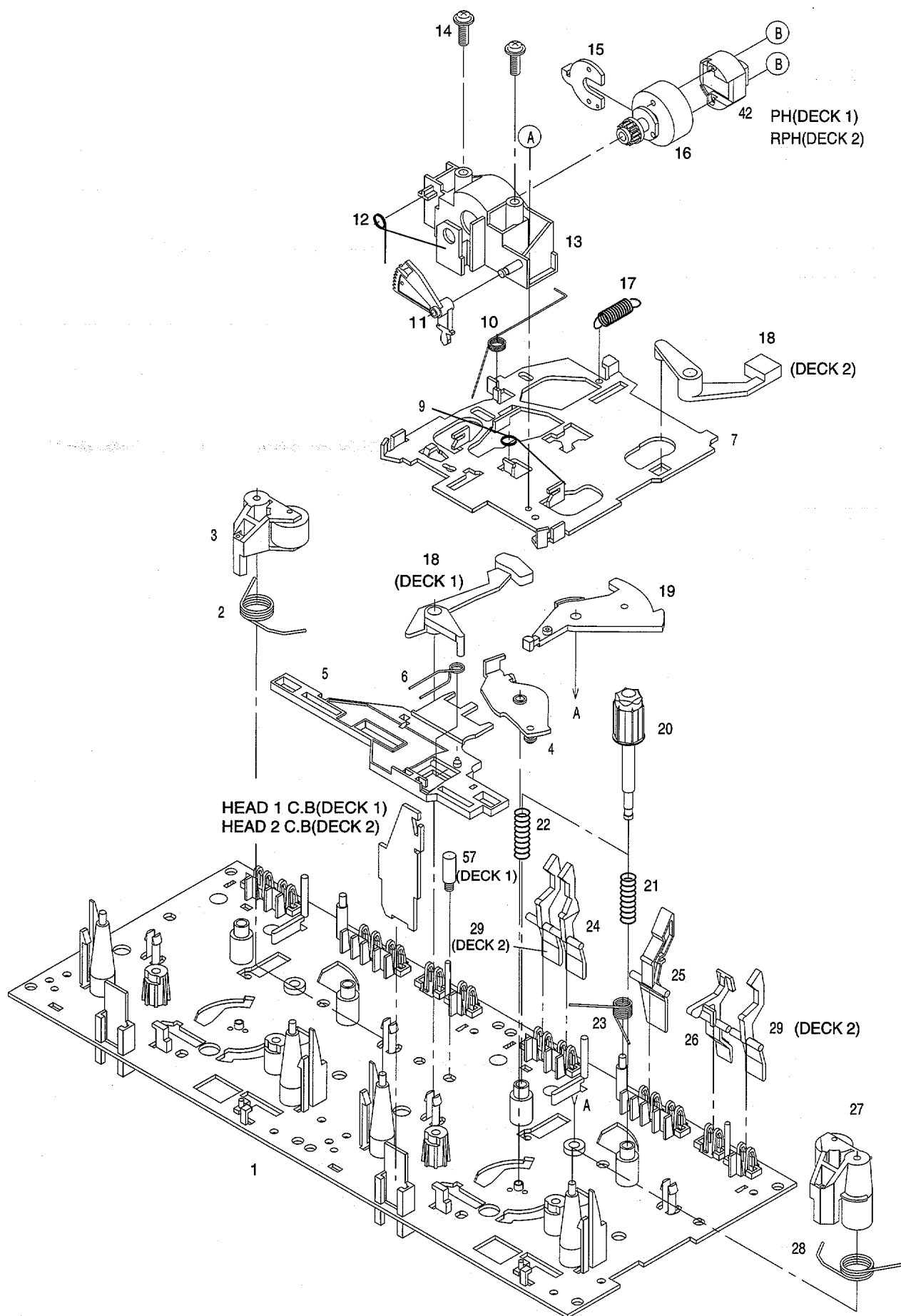
COLOR NAME TABLE

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

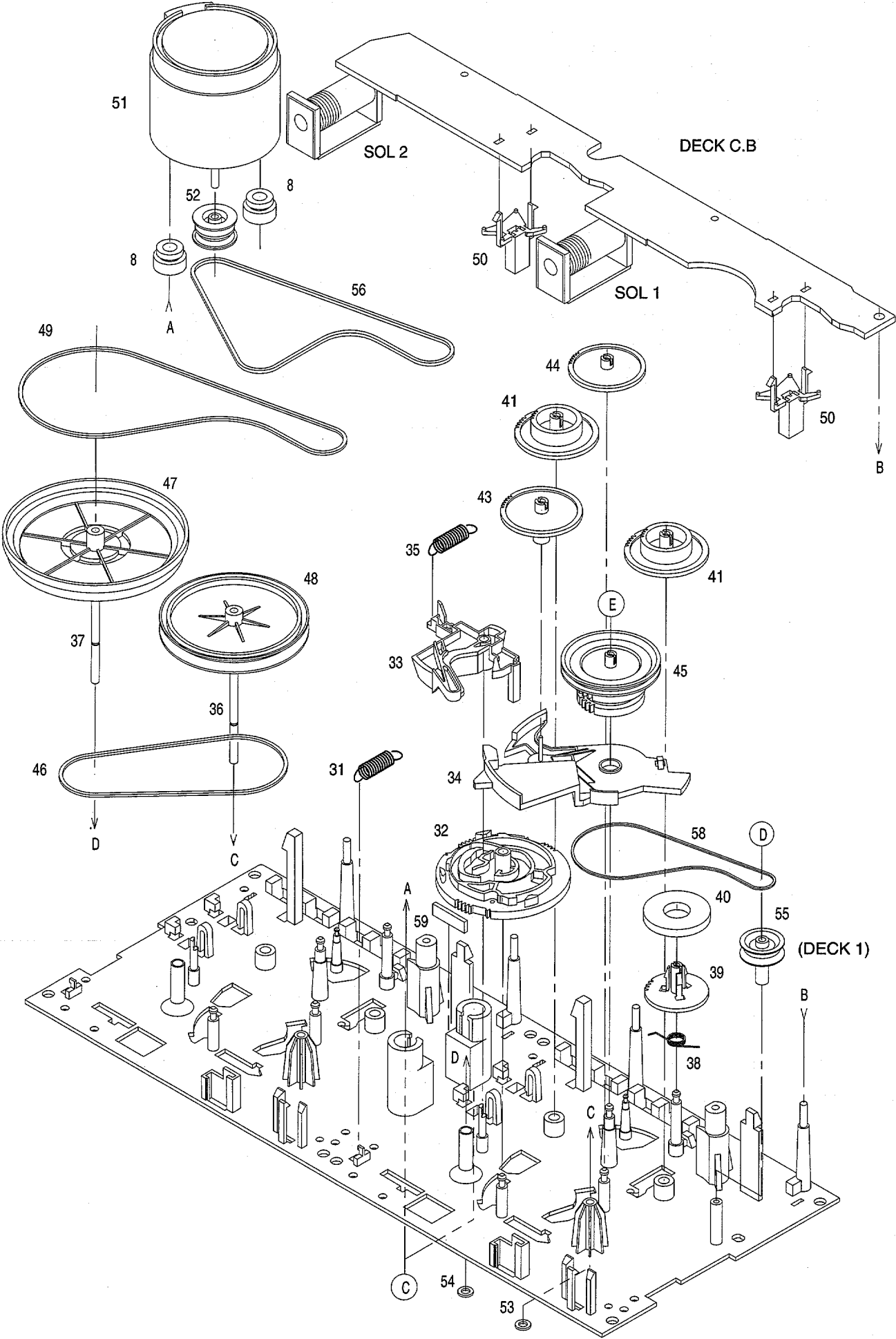
SPRING APPLICATION POSITION (FX-NH1100)



TAPE MECHANISM EXPLODED VIEW 1 / 2 (FX-NH1100)



TAPE MECHANISM EXPLODED VIEW 2 / 2 (FX-NH1100)



TAPE MECHANISM PARTS LIST 1 / 1 (FX-NH1100)

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	82-ZM3-301-519		CHAS ASSY, M2	36	82-ZM1-236-019		CAPSTAN N 2-41.5
2	82-ZM1-258-110		SPR-T, PINCH L	37	82-ZM1-239-019		CAPSTAN N 2.2-41.7
3	82-ZM1-341-110		LVR ASSY, PINCH L2	38	82-ZM1-322-019		SPR-T, FR60
4	82-ZM1-333-010		PLATE, LINK 2	39	82-ZM1-220-219		GEAR, IDLER
5	82-ZM1-266-11K		LVR, DIR	40	82-ZM3-616-019		RING MAGNET 4
6	82-ZM1-214-010		SPR-T, DIR	41	82-ZM1-216-31K		GEAR, REEL
7	82-ZM1-206-81K		CHAS, HEAD	42	87-A90-319-010		HEAD, PH HADKH2 FPC
8	82-ZM3-307-019		CUSH-G, DIA3.7-8-3.2	42	87-A90-320-010		HEAD, RPH HADKH5 FPC
9	82-ZM1-269-219		SPR-T, BRG	43	82-ZM1-225-21K		GEAR, FR
10	82-ZM1-219-119		SPR-T, LINK	44	82-ZM1-226-019		GEAR, REW
11	82-ZM1-210-119		GEAR, H T	45	82-ZM3-333-310		SLIP DISK ASSY 2
12	82-ZM1-213-019		SPR-T, HEAD	46	82-ZM1-338-010		BELT FR4
13	82-ZM1-207-619		GUIDE, TAPE	47	82-ZM1-349-110		FLY-WHL, R W(DECK 2)
14	86-ZM4-206-010		S-SCREW, AZIMUTH	47	82-ZM3-338-110		FLY-WHL, R3 W(DECK 1)
15	82-ZM1-314-119		PLATE, HEAD	48	82-ZM1-348-010		FLY-WHL, L W(DECK 2)
16	82-ZM1-208-119		HLDR, HEAD	48	82-ZM1-348-010		FLY-WHL, L W(DECK 1)
17	82-ZM1-218-019		SPR-E, HB	49	82-ZM3-329-210		BELT, SBU R2
18	82-ZM1-263-110		LVR, EJECT L (DECK 1)	50	82-ZM1-245-210		HLDR, IC
18	82-ZM1-264-010		LVR, EJECT R (DECK 2)	51	87-045-347-019		MOT, SHU2L 70 (M1)
19	82-ZM1-222-21K		LVR, PLAY	52	82-ZM3-221-010		PULLEY, MOT 2M
20	82-ZM1-217-319		REEL, TABLE	53	82-ZM1-288-019		SH, 1.63-3.2-0.5 SLT
21	82-ZM1-244-510		SPR-C, BT	54	80-ZM6-243-019		SH, 1.75-3.6-0.5 SLT
22	82-ZM1-285-310		SPR-C, BT L	55	82-ZM3-335-210		PULLEY, COUPLER M3 (DECK 1)
23	82-ZM1-257-019		SPR-T, CAS	56	82-ZM3-337-010		BELT, SBU MOT 2
24	82-ZM1-241-319		LVR, MC	57	82-ZM3-339-010		SHAFT, COUPLER N3 (DECK 1)
25	82-ZM1-242-019		LVR, CAS	58	86-ZM1-206-010		BELT, MAIN L
26	82-ZM1-243-019		LVR, STOP	59	82-ZM3-340-010		SH, BELT D2
27	82-ZM1-344-110		LVR ASSY, PINCH R2	A	85-ZM3-202-010		S-SCREW, TG
28	82-ZM1-259-110		SPR-T, PINCH R	B	80-ZM6-207-019		V+1.6-7
29	82-ZM1-240-11K		LVR, REC (DECK 2)	C	82-ZM3-318-019		S-SCRW MOTOR M2
31	82-ZM1-255-319		SPR-E, LVR DIR	D	87-B10-043-010		W-P, 0.99-4-0.25 SLT
32	82-ZM3-305-01K		GEAR, CAM M2	E	82-ZM3-334-010		PW, 2.16-6-0.4
33	82-ZM1-227-21K		LVR, TRIG				
34	82-ZM3-306-11K		LVR, FR M2				
35	82-ZM1-265-119		SPR-E, TRIG				

MODEL NO.

GE-NH1100/NAVH1200

ELECTRICAL MAIN PARTS LIST

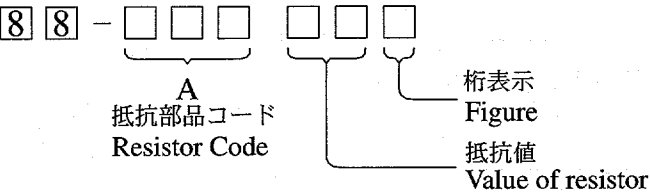
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION	REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
IC				LED215	87-A40-317-080		LED,SLR-342VCT31 RED<1200>
	8Z-SU1-603-010		IC,LC866448W-5L20	LED216	87-A40-317-080		LED,SLR-342VCT31 RED<1200>
	87-A21-023-040		C-IC,BA3835F	S301	87-A90-095-080		SW,TACT EVQ11G04M
				S302	87-A90-095-080		SW,TACT EVQ11G04M
				S303	87-A90-095-080		SW,TACT EVQ11G04M
TRANSISTOR				S304	87-A90-095-080		SW,TACT EVQ11G04M
	87-026-263-080		C-TR,RN1410	S305	87-A90-095-080		SW,TACT EVQ11G04M
DIODE				S306	87-A90-095-080		SW,TACT EVQ11G04M
	87-070-136-080		ZENER,MTZJ5.1B	S307	87-A90-095-080		SW,TACT EVQ11G04M
	87-017-931-080		ZENER,MTZJ5.6B	S308	87-A90-095-080		SW,TACT EVQ11G04M
	87-020-465-080		DIODE,1SS133 (110MA)	S309	87-A90-095-080		SW,TACT EVQ11G04M
MAIN C.B				S310	87-A90-095-080		SW,TACT EVQ11G04M
C101	87-010-550-040		CAP,E 100-6.3 GAS	S311	87-A90-095-080		SW,TACT EVQ11G04M
C103	87-010-497-040		CAP,E 4.7-35 GAS	S312	87-A90-095-080		SW,TACT EVQ11G04M
C105	87-010-312-080		C-CAP,S 15P-50 CH	S313	87-A90-095-080		SW,TACT EVQ11G04M<1200>
C106	87-010-320-080		CHIP CAP 68P	S314	87-A90-095-080		SW,TACT EVQ11G04M
C107	87-010-316-080		C-CAP,S 33P-50 CH	S315	87-A90-095-080		SW,TACT EVQ11G04M
C108	87-010-196-080		CHIP CAPACITOR,0.1-25	S316	87-A91-076-010		SW,RTRY REQ121PVB25FINA1
C109	87-010-196-080		CHIP CAPACITOR,0.1-25	W101	8Z-SU1-608-010		CORD,52305-101BLK
C110	87-012-368-080		C-CAP,S 0.1-50 F	WH101	87-A90-882-010		HLDR,WIRE 10P 1.5 51016
C111	87-010-552-040		CAP,E 22-16 GAS	X101	87-A70-070-080		VIB,CER 5.76MHZ CRHF
C201	87-012-140-080		CAP 470P				
C202	87-012-369-080		C-CAP,S 0.047-50F				
C203	87-010-404-040		CAP,E 4.7-50 SME				
C204	87-010-405-040		CAP,E 10-50				
C205	87-010-405-040		CAP,E 10-50				
C206	87-010-405-040		CAP,E 10-50				
C301	87-010-196-080		CHIP CAPACITOR,0.1-25				
C302	87-010-196-080		CHIP CAPACITOR,0.1-25				
C303	87-010-197-080		CAP,CHIP 0.01 DM				
C304	87-010-182-080		C-CAP,S 2200P-50 B				
C401	87-010-196-080		CHIP CAPACITOR,0.1-25				
C402	87-010-196-080		CHIP CAPACITOR,0.1-25				
C403	87-010-993-080		CHIP CAPACITOR,0.056-25				
C404	87-010-993-080		CHIP CAPACITOR,0.056-25				
C405	87-012-358-080		C-CAP,S 0.47-10 F Z				
C406	87-010-196-080		CHIP CAPACITOR,0.1-25				
C407	87-012-158-080		C-CAP,S 390P-50 CH				
FL201	8Z-SU1-605-010		FL,BJ699GK				
L101	87-005-152-080		COIL,10UH				
L102	87-005-130-080		COIL,10UH				
L103	87-005-130-080		COIL,10UH				
L104	87-005-152-080		COIL,10UH				
L301	87-003-097-080		COIL,1UH				
LED201	87-A40-380-080		LED,SEL6510C-TP5 GRN				
LED202	87-A40-380-080		LED,SEL6510C-TP5 GRN				
LED203	87-A40-380-080		LED,SEL6510C-TP5 GRN				
LED204	87-A40-380-080		LED,SEL6510C-TP5 GRN				
LED205	87-A40-380-080		LED,SEL6510C-TP5 GRN				
LED206	87-A40-380-080		LED,SEL6510C-TP5 GRN				
LED207	87-A40-380-080		LED,SEL6510C-TP5 GRN				
LED208	87-A40-380-080		LED,SEL6510C-TP5 GRN				
LED209	87-A40-317-080		LED,SLR-342VCT31 RED<1200>				
LED210	87-A40-317-080		LED,SLR-342VCT31 RED<1200>				
LED211	87-A40-317-080		LED,SLR-342VCT31 RED<1200>				
LED212	87-A40-317-080		LED,SLR-342VCT31 RED<1200>				
LED213	87-A40-317-080		LED,SLR-342VCT31 RED<1200>				
LED214	87-A40-317-080		LED,SLR-342VCT31 RED<1200>				

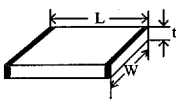
○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

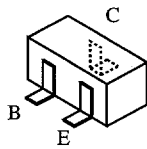
Chip Resistor Part Coding



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
				外形／Form	L	W	t	Resistor Code : A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

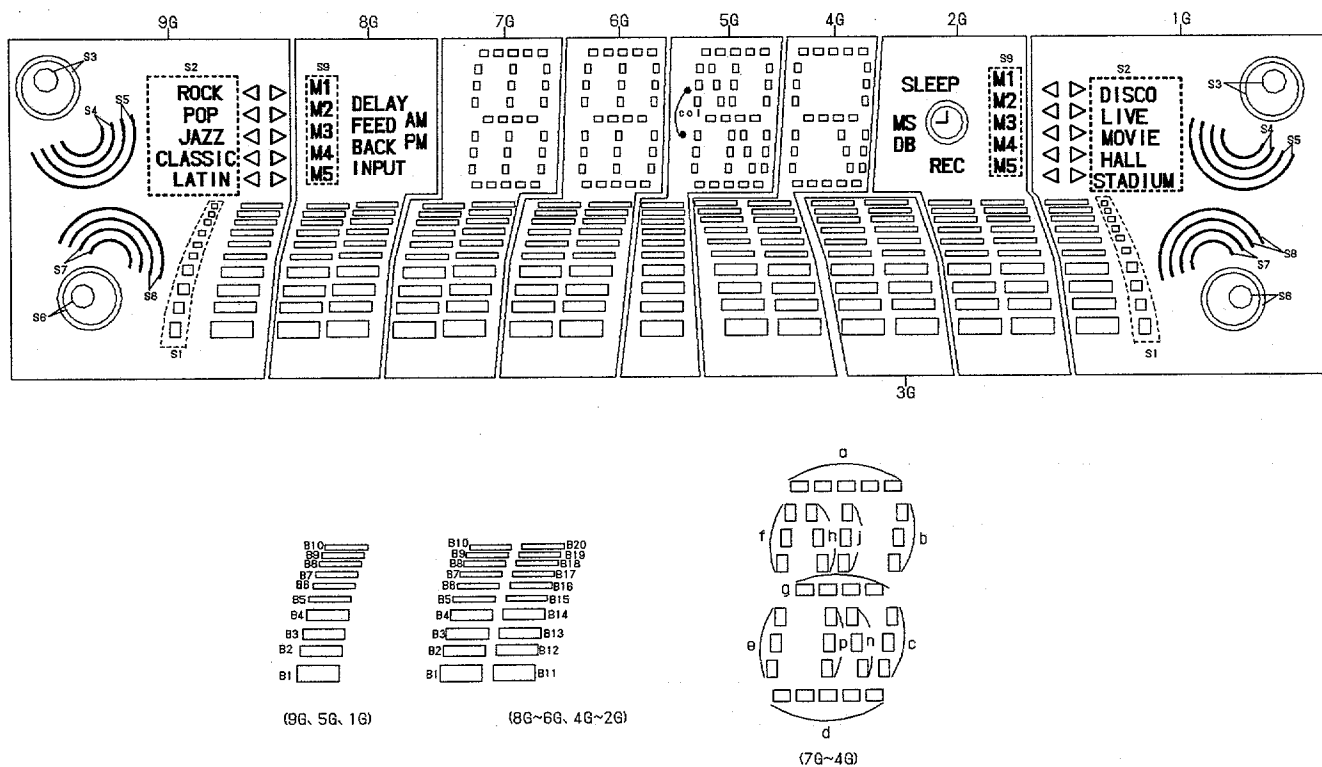
TRANSISTOR ILLUSTRATION (GE-NH1100 / NAVH1200)



RN1410

FL (BJ699GK) GRID ASSIGNMENT & ANODE CONNECTION (GE-NH1100 / NAVH1200)

GRID ASSIGNMENT



ANODE CONNECTION

	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	▷ [M1]	—	a	a	a	a	—	—	[M1] ◁
P2	▷ [M2]	S9	b	b	b	b	—	S9	[M2] ◁
P3	▷ [M3]	DELAY	f	f	f	f	—	SLEEP	[M3] ◁
P4	▷ [M4]	FEED BACK	g	g	g	g	—	⌚ [M4]	◁ [M4]
P5	▷ [M5]	INPUT	c	c	c	c	—	REC	[M5] ◁
P6	[ROCK] ◁	AM	e	e	e	e	—	MS	▷ [DISCO]
P7	[POP] ◁	PM	d	d	d	d	—	DB	▷ [LIVE]
P8	S1	B11	B11	B11	h	B11	B11	B11	S1
P9	B1	B1	B1	B1	B1	B1	B1	B1	B1
P10	S6	B12	B12	n	B12	B12	B12	B12	S6
P11	B2	B2	B2	B2	B2	B2	B2	B2	B2
P12	S7	B13	B13	col(L)	B13	B13	B13	B13	S7
P13	B3	B3	B3	B3	B3	B3	B3	B3	B3
P14	S8	B14	B14	col(F)	B14	B14	B14	B14	S8
P15	B4	B4	B4	B4	B4	B4	B4	B4	B4
P16	S3	B15	B15	—	B15	B15	B15	B15	S3
P17	B5	B5	B5	B5	B5	B5	B5	B5	B5
P18	S4	B16	B16	—	B16	B16	B16	B16	S4
P19	B6	B6	B6	B6	B6	B6	B6	B6	B6
P20	S5	B17	B17	—	B17	B17	B17	B17	S5
P21	B7	B7	B7	B7	B7	B7	B7	B7	B7
P22	S2	B18	B18	—	B18	B18	B18	B18	S2
P23	B8	B8	B8	B8	B8	B8	B8	B8	B8
P24	[JAZZ] ◁	B19	B19	—	B19	B19	B19	B19	▷ [MOVIE]
P25	B9	B9	B9	B9	B9	B9	B9	B9	B9
P26	[CLASSIC] ◁	B20	B20	—	B20	B20	B20	B20	▷ [HALL]
P27	B10	B10	B10	B10	B10	B10	B10	B10	B10
P28	[LATIN] ◁	—	j, p	j, p	j, p	n	—	—	▷ [STADIUM]

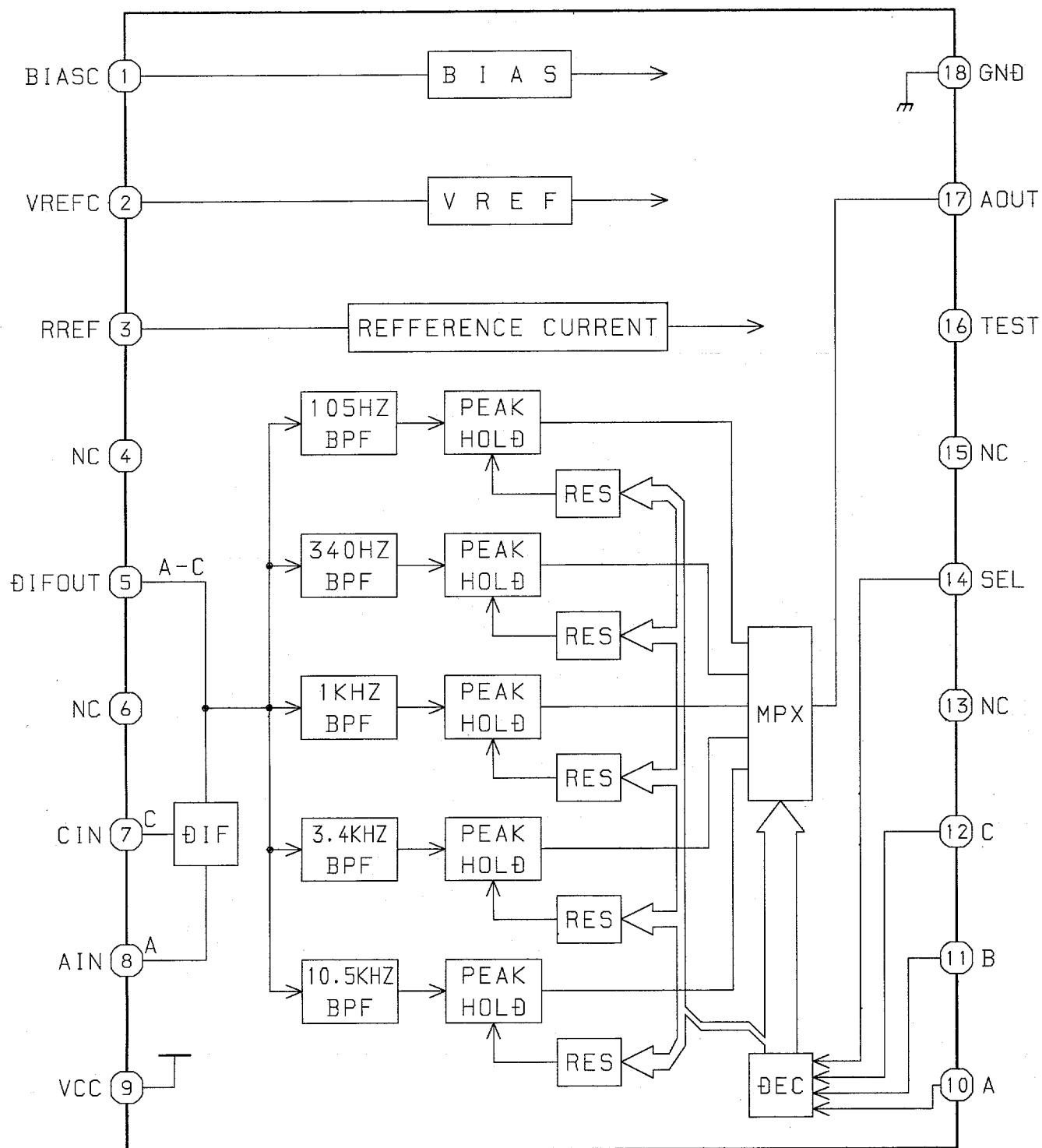
IC DESCRIPTION (GE-NH1100 / NAVH1200)

IC, LC866448W-5L20

Pin No.	Pin Name	I/O	Description
1	O-C.SHIFT	O	Micro computer clock shift output.
2	PRO LOGIC	O	PRO LOGIC LED output.
3	3-STEREO	O	3 STEREO LED output.
4	PHANTOM	O	PHANTOM LED output.
5	NORMAL	O	NORMAL LED output.
6	NC	–	Not used.
7	RESET	I	Reset input.
8	NC	–	Not used (Connected to GND).
9	NC	–	Not used (Connected to GND).
10	VSS1	–	GND.
11	CF1	–	Connected to crystal oscillator (5.76MHz).
12	CF2	–	
13	VDD1	–	Power supply.
14	I-HOLD	I	System power supply monitor AD input.“H”:Normal operation.“L”:to stop clock and main memory.
15	I-KEY1	I	KEY 1 AD input.
16	NC	–	Not used (Connected to GND).
17	I-SPEANA	I	Spectrum analyzer level AD input.
18	NC	I	Not used (Connected to GND).
19	I-JOG	I	Jog rotary encoder input.
20~23	NC	–	Not used (Connected to GND).
24	PROLOGIC	I	Input prologic switch “H” when prologic, “L” when not prologic.
25~33	G1~G9	O	FL gird output.
34~40	S1~S7	O	FL Segment output.
41	VDD2	–	Connected to GND.
42	VP	–	Power FL display negative supply terminal.
43~63	S8~S28	O	FL Segment output.
64	NC	–	Not used.
65	LED ON	O	MULTI JOG LED output.
66	LED ON	O	MULTI JOG LED output.
67~69,72	NC	O	Not connected.
70	O-L FREQ ON	O	Speana low frequency output.
71	O-H FREQ ON	O	Speana high frequency output.
73	VSS2	–	GND.
74	SPEANA C	O	Spectrum analyzer band switch output C.
75	SPEANA B	O	Spectrum analyzer band switch output B.
76	SPEANA A	O	Spectrum analyzer band switch output A.
77	SEL	O	Spectrum analyzer band switch output .
78~79	NC	O	Not connected.
80	I/O-SERIAL	I/O	Input/output serial data for communication.

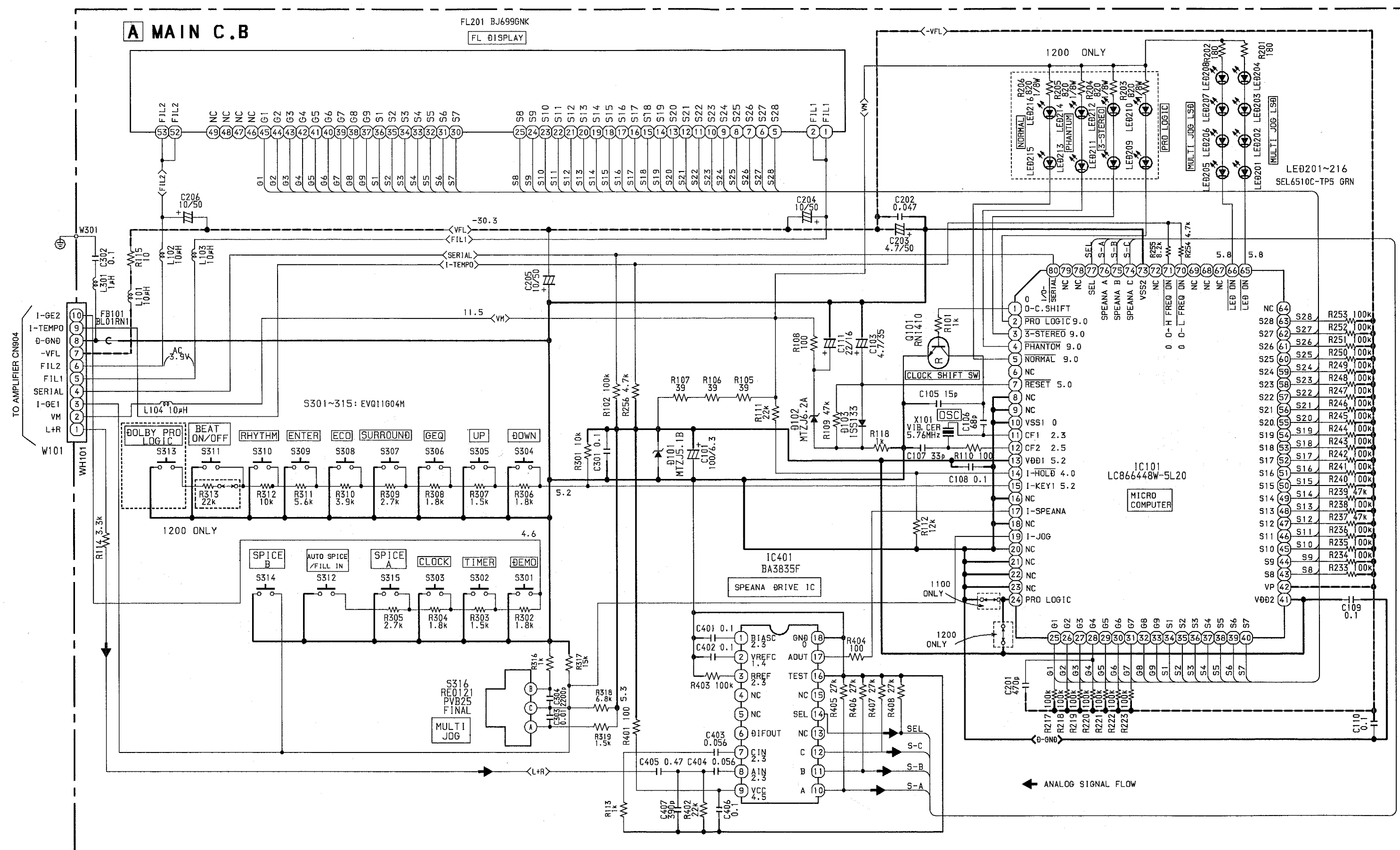
IC BLOCK DIAGRAM (GE-NH1100 / NAVH1200)

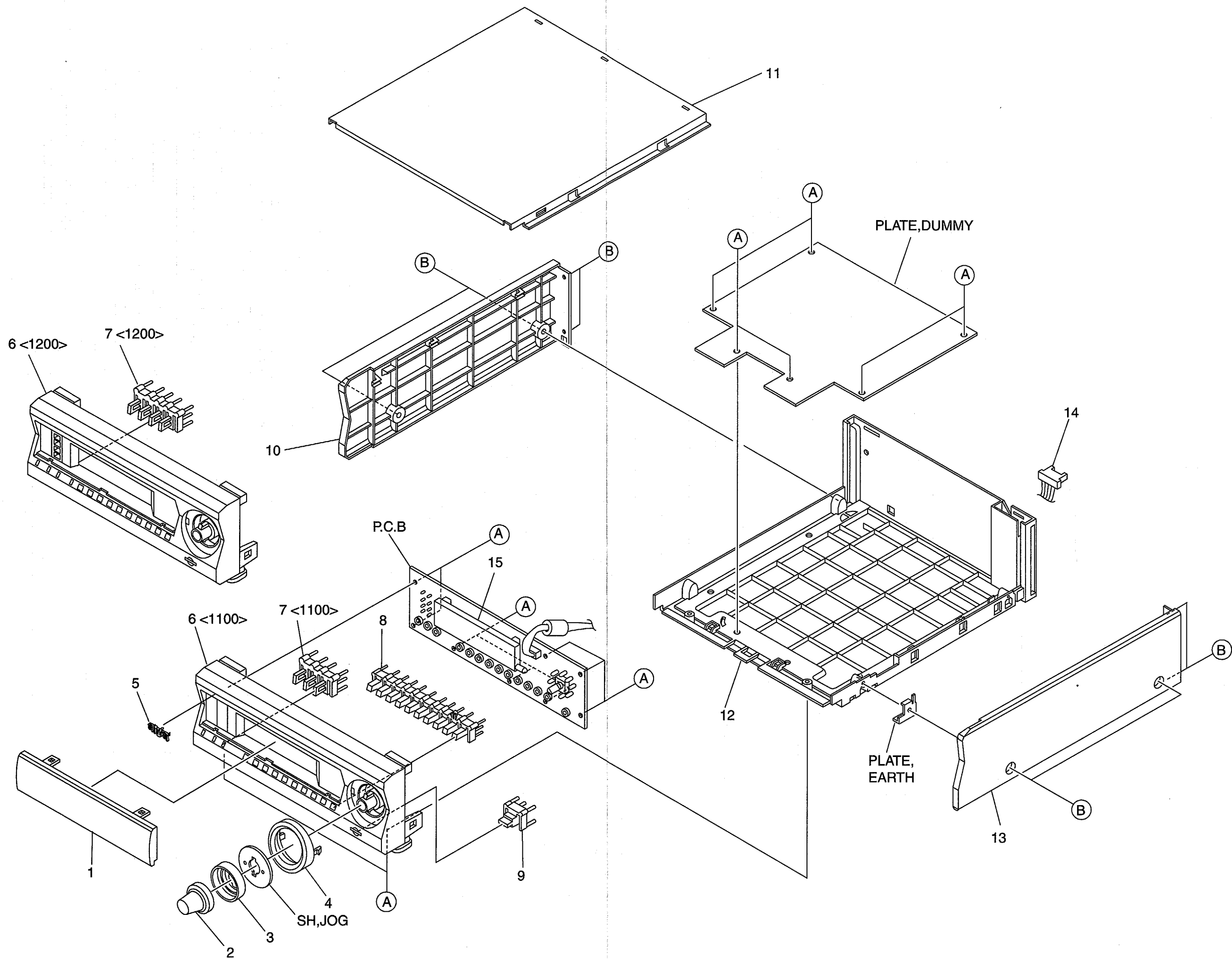
IC, BA3835F



LE0215, 216	LE0213, 214
NORMAL	PHANTOM
LS0211, 212	LE0209, 210
3-STEREO	DOUBLY PROLOGIC







MECHANICAL PARTS LIST 1 / 1 (GE-NH1100 / NAVH1200)

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-SU1-004-010		WINDOW, DISPLAY
2	8Z-SU1-007-010		KNOB, RTRY JOG
3	8Z-SU1-005-010		REFLECTOR, JOG
4	8Z-SU1-006-010		RING, JOG
5	87-B00-002-010		BADGE, AIWA 30 ABS SIL
6	8Z-SU1-001-010		CABI, FR<1100>
6	8Z-SUM-001-010		CABI, FR PRO<1200>
7	8Z-SU1-009-010		KEY, DEMO<1100>
7	8Z-SUM-004-010		KEY, PRO<1200>
8	8Z-SU1-008-010		KEY, GEQ
9	8Z-SU1-010-010		KEY, ENTER
10	8Z-SX1-011-010		PANEL, SIDE L
11	8Z-SU1-002-010		CABI, STEEL
12	8Z-SU1-003-010		CABI, REAR YJSNM<1100YJ>
12	8Z-SU1-021-010		CABI, REAR YSNM<1100Y>
12	8Z-SUM-003-010		CABI, REAR YJSNM<1200YSM>
12	8Z-SUM-011-110		CABI, REAR YSNM<1200YSM>
13	8Z-SX1-012-010		PANEL, SIDE R
14	8Z-SU1-608-010		CORD, 52305-101BLK
15	88-SU1-201-110		GUIDE, FL
A	87-067-703-010		TAPPING SCREW, BVT2+3-10
B	87-067-633-010		TAPPING SCREW, BVT2+3-8

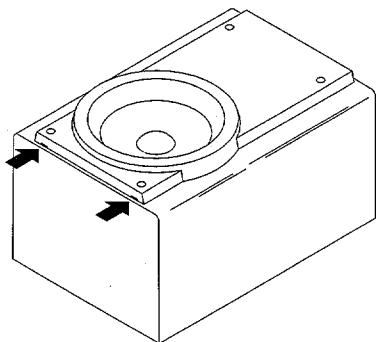
COLOR NAME TABLE

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

SPEAKER DISASSEMBLY INSTRUCTIONS

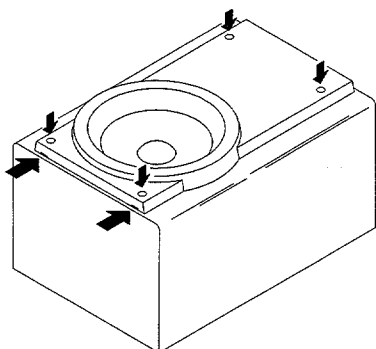
Type.1

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.



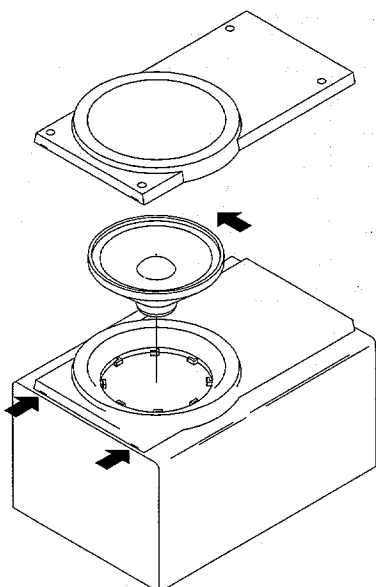
Type.2

Remove the grill frame and four pieces of rubber caps by pulling out with a flat-bladed screwdriver. Remove the screws from hole 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.

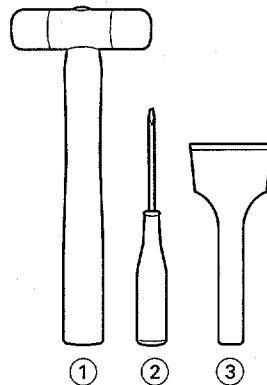


Type.3

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Turn the speaker unit to counter-clockwise 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.

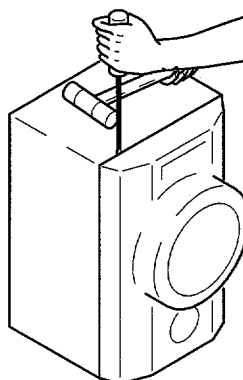


Fig-1

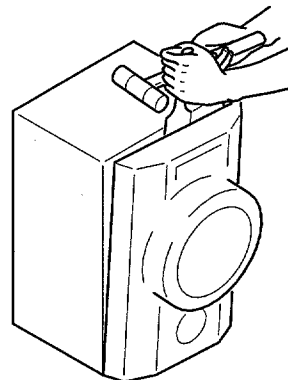


Fig-2

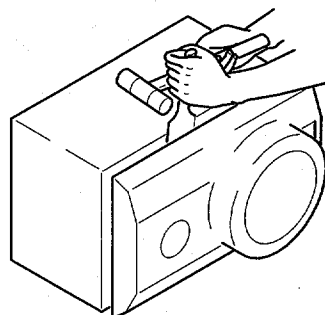


Fig-3

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 SX-NAVH1200 (YBL, YTL, YJBL)

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	88-NS5-610-010		CORD, SPKR
2	8Z-SSM-006-010		PANEL, FR L
3	8Z-SSM-001-010		PANEL, FR R
4	8Z-SSM-003-010		PANEL, TW
5	8Z-SSM-007-010		GRILLE, FRAME ASSY
6	8Z-SSM-004-010		SPACER
7	8Z-SSM-009-010		PROTECTOR, TW
8	8Z-SSM-602-010		SPKR, W 150
9	8Z-NSY-608-010		SPKR, CERAMIC ASSY
10	83-MS2-603-210		SPKR, T 60
11	8Z-SSM-013-010		CABI, T<YTL>

SX-CR677 (YSTC, YJSTC)

NOTE: This SX-CR677 speaker contains SX-C607 (center speaker) and SX-R277 (rear speaker).

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-YS1-001-010		CABI, REAR<277>
2	8Z-YS1-002-010		GRILLE FRAME ASSY<277>
3	81-VSA-009-010		CORD BUSH<277>
4	87-010-384-010		CAP, E 100-25 SME<277>
5	87-YS6-002-010		SPKR, CORD Y<277>
6	8Z-YS1-601-010		SPKR, 100<277>
7	87-YS7-012-010		PANEL, FR S<607>
8	87-YS7-013-010		PANEL, REAR S<607>
9	87-YS3-003-010		GRILLE, FRAME ASSY<607>
10	83-NSM-010-010		SPKR, CORD<607>
11	81-VSA-009-010		CORD BUSH<607>
12	87-YS7-602-010		SPKR, 100<607>
13	8Z-YS2-911-010		IB, YJ(ECA)Y

ACCESSORIES / PACKAGE LIST

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-SP1-906-010		IB, EZ (9L)M<1100EZ>
1	8Z-SPM-906-010		IB, EZ (9L)M<1200EZ>
1	8Z-SP1-905-010		IB, K(E)M<1100K>
1	8Z-SPM-905-010		IB, K(E)M<1200K>
1	8Z-SP1-901-010		IB, H(ECA)M<1100HR>
1	8Z-SPM-901-010		IB, H(ECA)M<1200HR>
2	8Z-NF5-702-010		RC UNIT, ZAS04<1100>
2	8Z-NFV-702-010		RC UNIT, ZAS05<1200>
3	87-006-225-010		AM LOOP ANT NC2<EZ, K>
3	87-043-095-010		WIRE ANTENNA<1100HR>
3	87-006-269-010		AM LOOP ANT UN<1200HR>
4	87-043-106-010		WIRE, FM ANT (Z)<EZ, K>
4	87-043-115-010		ANT, FEEDER FM<HR>
△ 6	87-A91-017-010		PLUG, CONVERSION JT-0476<HR>

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTROL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOAD MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL

サービス技術ニュース	
番号	連絡内容
G- -	
G- -	
G- -	

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