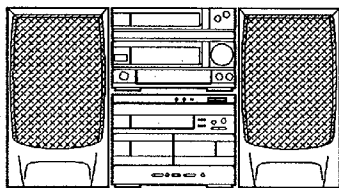


aiwa



NSX-D939



COMPACT DISC STEREO SYSTEM

- BASIC TAPE MECHANISM: 2ZM-3PR2N
- BASIC CD MECHANISM: KSM-2101ABM

- TYPE: HE, LH, EE, K, U, EEZ

REVISION PUBLISHING

SYSTEM	AMPLIFIER TUNER	CASSETTE DECK CD PLAYER	REMOTE CONTROLLER	SPEAKERS
NSX-D939 (TYPE:HE,LH)	RX-N939	FD-N939	RC-TN950	SX-N939
————— (EE,K,U,EEZ)	RX-N939	FD-N939	RC-TN950	SX-N939

- This Service Manual does not include the description on the FD-N939.
For FD-N939, see service manual of NSX-D737(S/M Code No.09-946-055-60T).
- This Service Manual is the "Revision Publishing" and replaces "Simple Manual"
(S/M Code No. 09-946-059-80T).

SPECIFICATIONS

TUNER/AMPLIFIER RX-N939

<FM section>

Frequency range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	HE, LH, HR, U: 1.3 μ V (75 ohms) 13.2 dB EE, K, EZ: 2.5 μ V (75 ohms) 19.2 dB
Alternate channel selectivity	HE, LH, HR, U: 50 dB (\pm 400 kHz) EE, K, EZ: 60 dB (\pm 400 kHz)
Signal-to-noise ratio	STEREO 68 dB MONO 72 dB
Harmonic distortion	0.3% (MONO), 1 kHz 0.8% (STEREO), 1 kHz
Frequency response	20 Hz to 15 kHz (+0.5 dB, -3 dB)
Stereo separation	33 dB at 1 kHz
Antenna	75 ohms (unbalanced)

<AM (MW) section>

Frequency range	EXCEPT U: 531 (530) kHz to 1,602 (1,710) kHz U: 530 (531) kHz to 1,710 (1, 602) kHz
Usable sensitivity	400 μ V/m
Selectivity	23 dB (9 kHz)
Signal-to-noise ratio	53 dB (100 dB input)
Antenna	Loop antenna

<LW section> EE, K, EZ models only

Frequency range	144kHz to 290 kHz
Sensitivity	1,000 μ V/m
Signal-to-noise ratio	47 dB (106 dB input)
Antenna	Loop antenna

<Timer section and general>

Program timer	"ONCE" and/or "EVERY" (independent setting)
Sleep timer	Capable of setting in 10 minute increments, 99 minutes maximum

<Amplifier section>

Power output	HE, LH: 50 W + 50 W (6 ohms, T.H.D. 10%, 1 kHz) front 10 W + 10 W (16 ohms, T.H.D. 10%, 1 kHz) rear 20 W (8 ohms, T.H.D. 10%, 1 kHz) center HR, K: Rated 35 W + 35 W (6 ohms, T.H.D. 1%, 1 kHz) front 7.5 W + 7.5 W (16 ohms, T.H.D. 1%, 1 kHz) rear 15 W (8 ohms T.H.D. 1%, 1 kHz) center Reference 50 W + 50 W (6 ohms, T.H.D. 10%, 1 kHz) front 10 W + 10 W (16 ohms, T.H.D. 10%, 1 kHz) rear 20 W (8 ohms T.H.D. 10%, 1 kHz) center U: FTC RULE Front: 35 watts per channel, Min. RMS at 6 ohms Rear: 7.5 watts per channel, Min. RMS at 16 ohms Center: 15 watts, Min. RMS at 8 ohms From 65 Hz to 15 kHz, with no more than 1% Total Harmonic Distortion EE, EZ: 35 W + 35 W (6 ohms T.H.D. 1%, 1 kHz) front 7.5 W + 7.5 W (16 ohms, T.H.D. 1%, 1 kHz) rear 15 W (8 ohms T.H.D. 1%, 1 kHz) center
Harmonic distortion	HE, LH, HR: 0.1% (25 W, 1 kHz, 6 ohms) U, EE, K, EZ: 0.1% (17.5 W, 1 kHz, 6 ohms)
Input sensitivity (load impedance)	VIDEO 1/DAT: 300 mV (47 kohms with volume) VIDEO 2/AUX: 500 mV (47 kohms)
Output terminal	SUPER WOOFER HE, LH, HR: 1.7 V U, EE, K, EZ: 1.5 V
Power consumption	HE, LH: 115 W HR: 140 W U: 125 W EE, EZ: 250 W K: 290 W
Dimensions (W x H x D)	HE, LH, HR: 260 x 198 x 330.5 mm (10 1/4 x 7 7/8 x 13 1/8 in.) EE, EZ, K: 260 x 198 x 333.5 mm (10 1/4 x 7 7/8 x 13 1/4 in.)
Weight	7.0 kg (15.4 lbs.)

CASSETTE DECK/COMPACT DISC PLAYER FD-N939

<Cassette deck section>

Track format	4 tracks, 2 channels
Frequency response	Metal tape: 20 - 17,000 Hz CrO ₂ tape: 20 - 16,000 Hz Normal tape: 20 - 15,000 Hz
Signal-to-noise ratio	73 dB (Dolby C NR ON, metal tape peak level above 5 kHz)
Wow and flutter	0.12% (WRMS) \pm 0.19% (WPEAK)
Tape speed	4.8 cm/sec. (1 7/8 ips) 9.5 cm/sec. (double speed)
Recording system	AC bias
Erase system	AC erase
Motor	DC servomotor x 1
Heads	Playback head x 1 (deck 1) Record/playback/erase head x 1 (deck 2)

<Compact disc player section>


Disc	Compact disc
Scanning method	Non-contact optical scanner (with semi-conductor laser)
Laser	Semi-conductor laser (λ = 780 nm)
Rotation speed	Approx. 500 rpm - 200 rpm (CLV)
Error correction	Cross Interleave, Reed Solomon code
D-A conversion	1-bit DAC
Signal-to-noise ratio	90 dB (1 kHz)
Harmonic distortion	0.03% (1 kHz)
Wow/flutter	Unmeasurable
Dimensions (W x H x D)	260 x 198 x 328 mm (10 1/4 x 7 7/8 x 13 1/4 in.)
Weight	4.5 kg (9.9 lbs.)

SPEAKER SX-N939

Cabinet type	3-way, bass reflex (EIAJ magnetically shielded)
Impedance	6 ohms
Music power	60 W
Speaker	130 mm (5 1/8 in.) cone type woofer 60 mm (2 3/8 in.) cone type tweeter 20 mm (13/16 in.) ceramic type super tweeter
Output sound pressure level	87 dB/W/m
Dimensions (W x H x D)	215 x 396 x 240 mm (8 1/2 x 15 5/8 x 9 1/2 in.)
Weight	4.4 kg (9.7 lbs.)

COMMON SECTION

Power requirements	HE, LH, HR: 120/220/240 V AC selectable, 50/60 Hz U: 120 V AC, 60 Hz EE, EZ: 230 V AC, 50 Hz K: 230 - 240 V AC, 50 Hz
Power consumption	System total HE, LH: 135 W HR: 160 W U: 140 W EE, EZ: 270 W K: 310 W
Dimensions (W x H x D)	Vertical placement 690 x 396 x 330.5 mm (27 1/4 x 15 5/8 x 13 1/8 in.) Horizontal placement 950 x 396 x 330.5 mm (37 1/2 x 15 5/8 x 13 1/8 in.)
Weight	20.3 kg (44.7 lbs.)

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

MODEL NO.

RX-N939

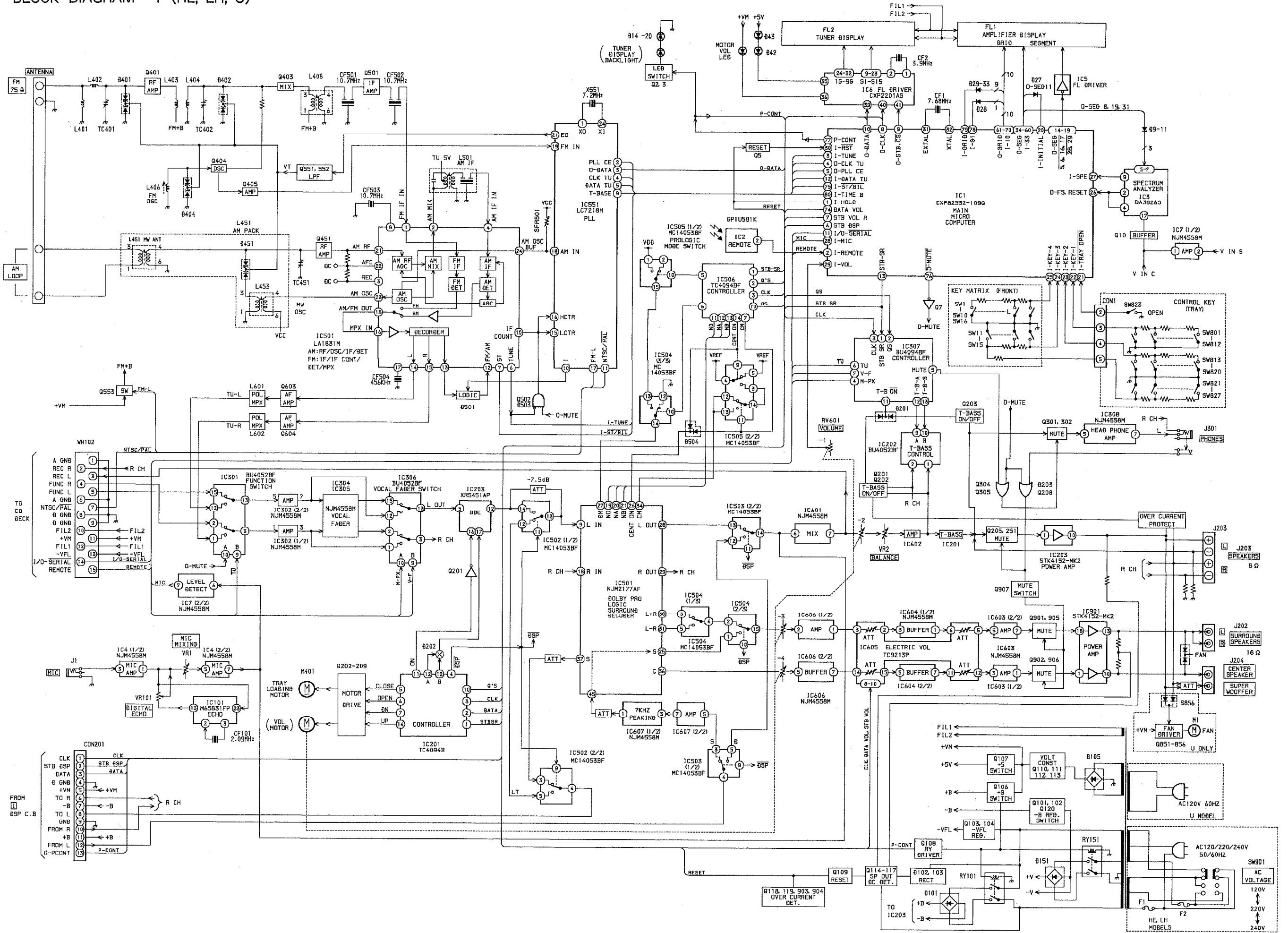
ELECTRICAL MAIN PARTS LIST

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

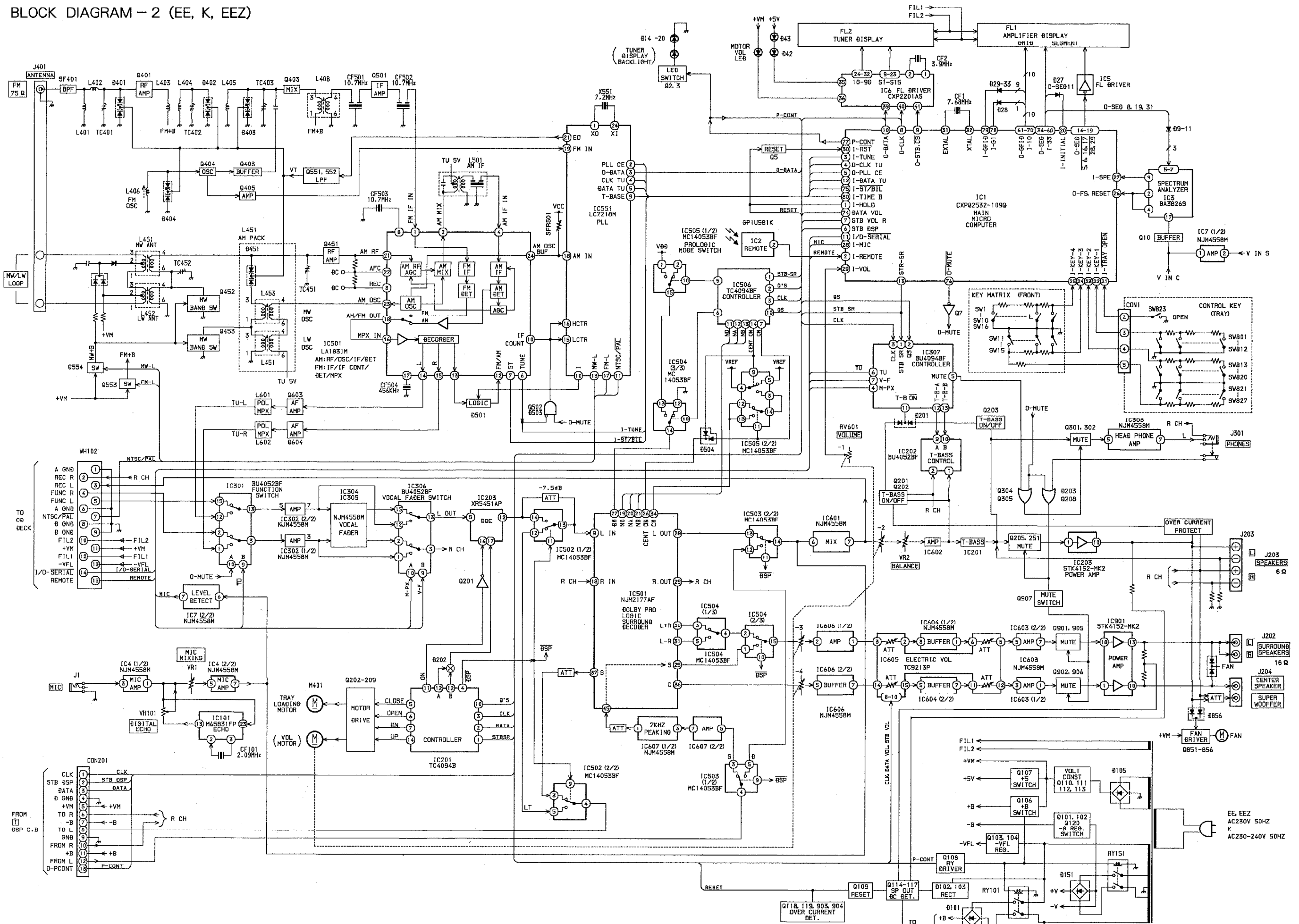
REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
IC							
	83-NTB-601-010	IC	CXP82532-1090		87-001-911-080		ZENER, UTZJ4. 7A (TAPG)
	82-NE6-617-010	IC	GP1U581X		87-001-290-080		ZENER, HZS6B1L
	87-002-950-010	IC	BA3826S		87-020-027-080		C-DIODE, 1SS184
	87-001-607-080	IC	NJM4558M		87-002-225-010		DIODE, DBF 40C-K10
	87-002-220-010	IC	MPA80C		87-001-912-080		ZENER, UTZJ 5. 1B
	87-002-861-010	IC	CXP2201AS		87-020-125-080		C-DIODE, 1SS181
	87-017-888-080	IC	NJM4558MD		87-020-285-010		DIODE, DBA30C-K12
	87-017-311-080	IC	M65831FP (HE)		87-001-574-080		DIODE, 1SR139-200 T31
	87-017-375-080	IC	TC4094BF		87-002-743-080		ZENER, MTZJ 33B
	87-002-967-080	IC	BU4052BF		87-001-916-080		ZENER, UTZJ10B
	87-001-582-010	IC	STK4152-2		87-027-405-080		ZENER, RD2. 2EB
	87-002-218-010	IC	XRC5451AP		87-027-416-080		ZENER, HZ3C2
	87-002-901-080	IC	BU4094BF		87-020-339-080		C-DIODE, 1SS226
	87-017-296-180	IC	LA1831M		87-001-915-080		ZENER, UTZJ6. 8A
	87-017-885-010	IC	NJM2177AF		87-017-097-080		ZENER, HZS6B1
	87-002-872-080	IC	MC14053BF		87-017-121-080		ZENER, HZS11A1
	87-001-927-080	IC	LC7218M	MAIN C. B			
	87-002-255-010	IC	TC9213P	C109	87-016-457-090		CAP, E 4700-42(U)
	87-017-019-010	IC	CXP81312-3330	C109	87-016-476-099		CAP, E 4700-42 105(EXCEPT U)
	87-017-022-080	IC	NJM2068M-D(T1)	C110	87-016-457-090		CAP, E 4700-42
	87-002-214-010	IC	CS5339-KP	C111	87-010-101-080		CAP, E 220-16 SME
	87-017-018-010	IC	CXD27010	C112	87-016-145-089		CAP, E 10-50 KME(EXCEPT U)
	87-017-766-010	IC	LC324256P-10	C112	87-010-405-080		CAP, E 10-50 SME(U)
	87-002-279-010	IC	SM5840ES	C113	87-010-263-080		CAP, E 100-10
	87-017-446-080	IC	PCM69AU	C114	87-015-914-080		CAP, E 47-100
	87-002-412-080	IC	SN74HC00NS	C115	87-010-247-080		CAP, E 100-50 SME
	87-002-409-080	IC	SN74HC74NS	C116	87-010-247-080		CAP, E 100-50 SME
	87-020-881-080	IC	NJM78L05A	C117	87-010-400-080		CAP, E 0. 47-50 SME
	87-020-882-080	IC	NJM79L05	C118	87-010-401-080		CAP, E 1-50 SME
	87-001-536-010	IC	NJM78M05FA	C119	87-010-544-080		CAP, E 0. 1-50
TRANSISTOR				C120	87-010-235-080		CAP, E 470-16 SME
	89-420-052-080	TR	2SD2005Q(T105)	C121	87-010-480-089		CAP, E 220-16 105 KME(HE, LH)
	87-026-245-080	TR	DTC114ES	C121	87-010-101-080		CAP, E 220-16 SME(K, EE, U, EEZ)
	89-112-965-080	TR	2SA1296GR	C122	87-010-374-080		CAP, E 47-10
	89-327-125-080	C-TR	2SC2712GR	C123	87-010-374-080		CAP, E 47-10
	87-026-227-080	C-TR	2DTA114EK	C124	87-016-130-089		CAP, E 47-25 KME
	89-213-702-010	TR	2SB1370E	C125	87-016-145-089		CAP, E 10-50 KME(EXCEPT U)
	89-111-625-080	C-TR	2SA1162GR	C125	87-010-405-080		CAP, E 10-50 SME(U)
	89-332-665-080	TR	2SC3266GR	C126	87-012-140-080		C-CAP, S 470P-50 CH
	89-110-155-080	TR	2SA1015GR	C127	87-016-110-090		CAP, E 5600-25SME
	87-026-462-080	TR	2SC1740S(RS)	C128	87-010-374-080		CAP, E 47-10(HE, U, LH)
	89-318-155-080	TR	2SC1815GR	C128	87-016-130-089		CAP, E 47-25 KME(K, EE, EEZ)
	89-333-266-080	C-TR	2SC3326B	C129	87-010-404-080		CAP, E 4. 7-50 SME
	87-026-213-080	C-TR	DTC114YK	C131	87-018-131-080		CAP, TC-U 1000P-50 B
	89-113-187-880	TR	2SA1318TU	C132	87-018-209-080		CAP, TC-U 0. 1-50 F
	89-333-317-080	TR	2SC3331T	C151	87-010-390-010		CAP, E 3300-25 SME
	89-503-602-080	C-FET	2SK360E	C152	87-016-475-099		CAP, E 3300-25 KME(EXCEPT U)
	89-327-143-080	C-TR	2SC2714(O)	C152	87-010-390-010		CAP, E 3300-25 SME(U)
	87-026-233-080	TR	DTA114TK	C153	87-012-368-080		C-CAP, S 0. 1-50F
	89-502-094-080	C-FET	2SK209Y	C154	87-012-368-080		C-CAP, S 0. 1-50F
	87-026-229-080	C-TR	DTA143XK	C155	87-012-368-080		C-CAP, S 0. 1-50F(K, EE, EEZ)
	87-026-230-080	C-TR	DTA114YK(K, EE, U, EEZ)	C156	87-012-368-080		C-CAP, S 0. 1-50F(K, EE, EEZ)
	87-026-224-080	C-TR	DTC143XK(K, EE, U, EEZ)	C201	87-010-401-080		CAP, E 1-50 SME
	87-026-211-080	C-TR	DTA144EKT147	C202	87-010-401-080		CAP, E 1-50 SME
	87-026-238-080	C-TR	DTC144WK	C203	87-010-401-080		CAP, E 1-50 SME
	89-109-521-080	TR	2SA952K	C204	87-010-401-080		CAP, E 1-50 SME
				C205	87-010-403-080		CAP, E 3. 3-50 SME
				C206	87-010-403-080		CAP, E 3. 3-50 SME
				C207	87-010-380-080		CAP, E 47-16 SME
				C208	87-010-380-080		CAP, E 47-16 SME
				C209	87-010-401-080		CAP, E 1-50 SME
				C210	87-010-401-080		CAP, E 1-50 SME
DIODE							
	87-020-691-080	DIODE	1SS132 T-72				
	87-017-163-080	ZENER	HZS 9A1L				
	87-017-101-080	ZENER	HZS6C2				

REF. NO	PART NO.	カンリ NO.	DESCRIPTION	REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C211	87-010-402-080		CAP, E 2. 2-50 SME	C406	87-010-313-080		C-CAP, S 18P-50 CH(K, EE, EEZ)
C212	87-010-402-080		CAP, E 2. 2-50 SME	C407	87-010-146-080		C-CAP, S 2P-50 CH(K, EE, EEZ)
C213	87-010-402-080		CAP, E 2. 2-50 SME	C407	87-010-147-080		C-CAP, S 3P-50 CH(HE, U, LH)
C214	87-010-402-080		CAP, E 2. 2-50 SME	C408	87-010-145-080		C-CAP, S 1P-50 CH(HE, U, LH)
C215	87-010-178-080		C-CAP, S 1000P-50 B	C408	87-010-147-080		C-CAP, S 3P-50 CH(K, EE, EEZ)
C216	87-010-178-080		C-CAP, S 1000P-50 B	C409	87-010-314-080		C-CAP, S 22P-50 CH
C217	87-010-400-080		CAP, E 0. 47-50 SME(EXCEPT U)	C410	87-010-154-080		C-CAP, S 10P-50 CH
C218	87-010-400-080		CAP, E 0. 47-50 SME(EXCEPT U)	C411	87-010-312-080		C-CAP, S 15P-50 CH
C219	87-010-405-080		CAP, E 10-50 SME	C412	87-010-312-080		C-CAP, S 15P-50 CH
C220	87-010-405-080		CAP, E 10-50 SME	C413	87-010-197-080		C-CAP, S 0. 01-25 B
C221	87-010-374-080		CAP, E 47-10	C414	87-010-146-080		C-CAP, S 2P-50 CH
C222	87-010-374-080		CAP, E 47-10	C415	87-010-147-080		C-CAP, S 3P-50 CH(K, EE, EEZ)
C223	87-010-315-080		C-CAP, S 27P-50 CH	C416	87-010-154-080		C-CAP, S 10P-50 CH
C224	87-010-315-080		C-CAP, S 27P-50 CH	C417	87-010-197-080		C-CAP, S 0. 01-25 B
C225	87-010-260-080		CAP, E 47-25 SME	C418	87-012-156-080		C-CAP, S220P CH
C226	87-010-260-080		CAP, E 47-25 SME	C419	87-010-197-080		C-CAP, S 0. 01-25 B
C229	87-016-247-080		C-CAP, 0. 1-50 F	C422	87-010-149-080		C-CAP, S 5P-50 CH
C230	87-016-247-080		C-CAP, 0. 1-50 F	C423	87-010-400-080		CAP, E 0. 47-50 SME
C231	87-010-184-080		C-CAP, S 3300P-50 B(K, EE, EEZ)	C451	87-010-316-080		C-CAP, S 33P-50 CH(K, EE, EEZ)
C232	87-010-184-080		C-CAP, S 3300P-50 B(K, EE, EEZ)	C452	87-010-197-080		C-CAP, S 0. 01-25 B
C233	87-012-368-080		C-CAP, S 0. 1-50F(K, EE, EEZ)	C453	87-010-544-080		CAP, E 0. 1-50
C234	87-012-368-080		C-CAP, S 0. 1-50F(K, EE, EEZ)	C454	87-010-154-080		C-CAP, S 10P-50 CH(HE, U, LH)
C235	87-010-405-080		CAP, E 10-50 SME	C454	87-010-314-080		C-CAP, S 22P-50 CH(K, EE, EEZ)
C236	87-010-197-080		C-CAP, S 0. 01-25 B	C455	87-012-140-080		C-CAP, S 470P-50 CH(K, EE, EEZ)
C237	87-010-197-080		C-CAP, S 0. 01-25 B	C456	87-012-155-080		C-CAP, S 180P-50 CH(K, EE, EEZ)
C238	87-010-197-080		C-CAP, S 0. 01-25 B(K, EE, EEZ)	C457	87-010-175-080		C-CAP, S 560P-50 SL(K, EE, EEZ)
C239	87-010-197-080		C-CAP, S 0. 01-25 B	C458	87-010-197-080		C-CAP, S 0. 01-25 B(K, EE, EEZ)
C241	87-010-178-080		C-CAP, S 1000P-50 B	C459	87-010-197-080		C-CAP, S 0. 01-25 B(K, EE, EEZ)
C242	87-010-178-080		C-CAP, S 1000P-50 B	C460	87-010-197-080		C-CAP, S 0. 01-25 B
C246	87-010-260-080		CAP, E 47-25 SME	C471	87-010-197-080		C-CAP, S 0. 01-25 B
C247	87-010-260-080		CAP, E 47-25 SME	C472	87-010-197-080		C-CAP, S 0. 01-25 B(EXCEPT U)
C248	87-016-148-089		CAP, E 47-50 KME(EXCEPT U)	C473	87-010-197-080		C-CAP, S 0. 01-25 B
C248	87-010-408-080		CAP, E 47-50 SME(U)	C474	87-010-197-080		C-CAP, S 0. 01-25 B
C249	87-010-198-080		C-CAP, S 0. 022-25 B	C475	87-016-247-080		C-CAP, 0. 1-50 F
C250	87-012-368-080		C-CAP, S 0. 1-50F(K, EE, EEZ)	C477	87-010-197-080		C-CAP, S 0. 01-25 B
C251	87-010-197-080		C-CAP, S 0. 01-25 B	C479	87-015-819-080		C-CAP, 0. 01
C253	87-018-134-080		CAP, TC-U 0. 01-16 Y	C481	87-018-134-080		CAP, TC-U 0. 01-16 Y(K, EE, EEZ)
C264	87-010-178-080		C-CAP, S 1000P-50 B	C501	87-010-197-080		C-CAP, S 0. 01-25 B
C301	87-010-405-080		CAP, E 10-50 SME	C502	87-010-197-080		C-CAP, S 0. 01-25 B
C302	87-010-405-080		CAP, E 10-50 SME	C503	87-010-405-080		CAP, E 10-50 SME
C303	87-010-405-080		CAP, E 10-50 SME	C504	87-010-194-080		C-CAP, S 0. 047-25 F
C304	87-010-405-080		CAP, E 10-50 SME	C505	87-010-401-080		CAP, E 1-50 SME
C305	87-010-182-080		C-CAP, S 2200P-50 B	C506	87-010-402-080		CAP, E 2. 2-50 SME
C307	87-010-182-080		C-CAP, S 2200P-50 B	C507	87-010-178-080		C-CAP, S 1000P-50 B
C309	87-010-189-080		C-CAP, S 8200P-50 B	C508	87-010-314-080		C-CAP, S 22P-50 CH
C311	87-010-189-080		C-CAP, S 8200P-50 B	C509	87-010-403-080		CAP, E 3. 3-50 SME
C313	87-010-189-080		C-CAP, S 8200P-50 B	C510	87-010-405-080		CAP, E 10-50 SME
C315	87-010-186-080		C-CAP, S 4700P-50 B	C511	87-010-194-080		C-CAP, S 0. 047-25 F
C316	87-010-186-080		C-CAP, S 4700P-50 B	C512	87-010-213-080		C-CAP, S 0. 015-25 B
C317	87-010-186-080		C-CAP, S 4700P-50 B	C513	87-010-178-080		C-CAP, S 1000P-50 B(HE, U, LH)
C318	87-010-186-080		C-CAP, S 4700P-50 B	C513	87-012-157-080		C-CAP, S 330P-50 CH(K, EE, EEZ)
C321	87-010-322-080		C-CAP, S 100P-50 CH	C514	87-010-401-080		CAP, E 1-50 SME
C322	87-010-322-080		C-CAP, S 100P-50 CH	C515	87-010-426-080		C-CAP, S 0. 012-25 B(K, EE, HE, EEZ)
C323	87-010-404-080		CAP, E 4. 7-50 SME	C515	87-010-220-080		C-CAP, S 0. 018-25 B(U, LH)
C324	87-010-404-080		CAP, E 4. 7-50 SME	C516	87-010-426-080		C-CAP, S 0. 012-25 B(K, EE, HE, EEZ)
C325	87-010-405-080		CAP, E 10-50 SME	C516	87-010-220-080		C-CAP, S 0. 018-25 B(U, LH)
C326	87-010-405-080		CAP, E 10-50 SME	C517	87-010-401-080		CAP, E 1-50 SME
C327	87-010-405-080		CAP, E 10-50 SME	C518	87-010-263-080		CAP, E 100-10
C328	87-010-405-080		CAP, E 10-50 SME	C519	87-010-194-080		C-CAP, S 0. 047-25 F
C329	87-010-401-080		CAP, E 1-50 SME	C520	87-010-403-080		CAP, E 3. 3-50 SME
C330	87-010-401-080		CAP, E 1-50 SME	C521	87-010-403-080		CAP, E 3. 3-50 SME
C331	87-010-405-080		CAP, E 10-50 SME	C525	87-010-197-080		C-CAP, S 0. 01-25 B
C332	87-010-405-080		CAP, E 10-50 SME	C541	87-010-197-080		C-CAP, S 0. 01-25 B(HE, U, LH)
C333	87-010-263-080		CAP, E 100-10	C551	87-010-186-080		C-CAP, S 4700P-50 B
C334	87-010-263-080		CAP, E 100-10	C552	87-010-400-080		CAP, E 0. 47-50 SME
C335	87-010-197-080		C-CAP, S 0. 01-25 B	C553	87-010-384-080		CAP, E 100-25 SME
C401	87-010-312-080		C-CAP, S 15P-50 CH	C554	87-010-315-080		C-CAP, S 27P-50 CH
C403	87-010-197-080		C-CAP, S 0. 01-25 B	C555	87-010-263-080		CAP, E 100-10
C404	87-010-197-080		C-CAP, S 0. 01-25 B	C556	87-010-197-080		C-CAP, S 0. 01-25 B
C405	87-010-312-080		C-CAP, S 15P-50 CH	C557	87-010-178-080		C-CAP, S 1000P-50 B

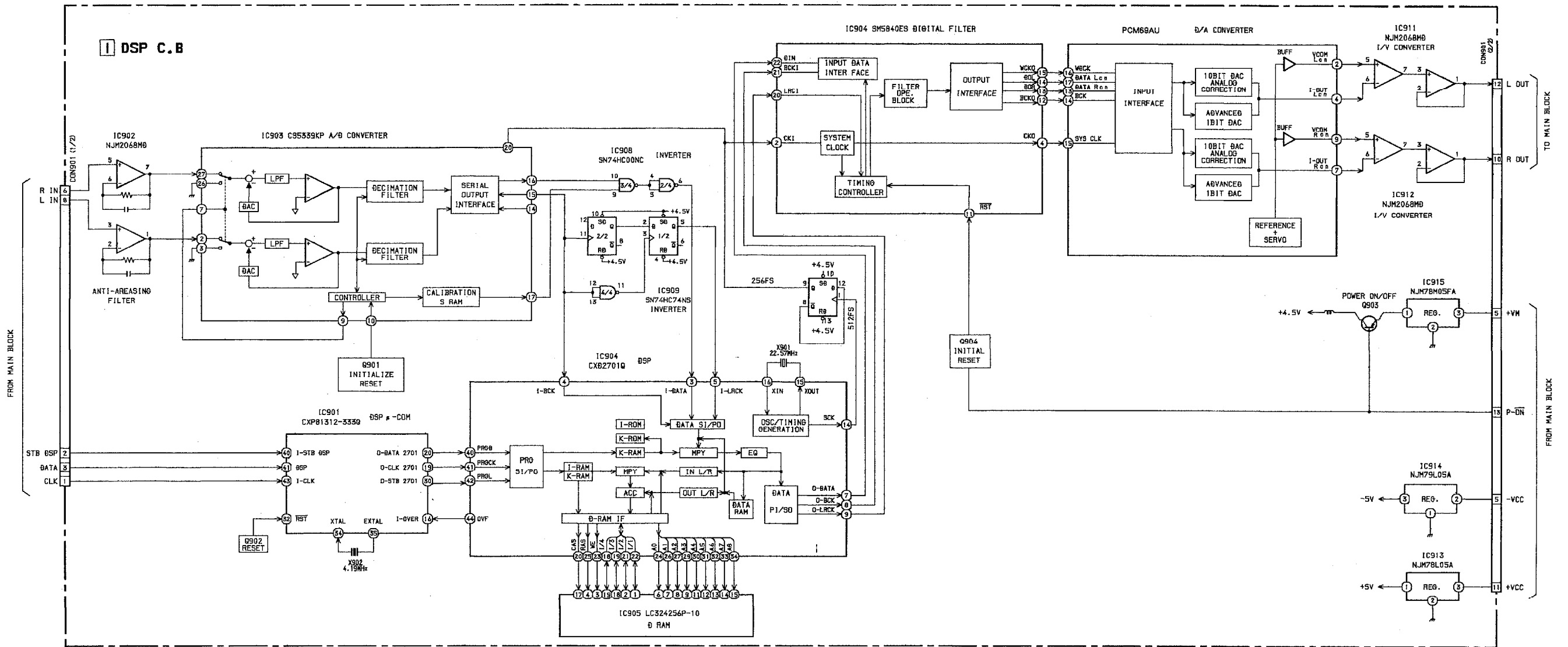
BLOCK DIAGRAM - 1 (HE, LH, U)



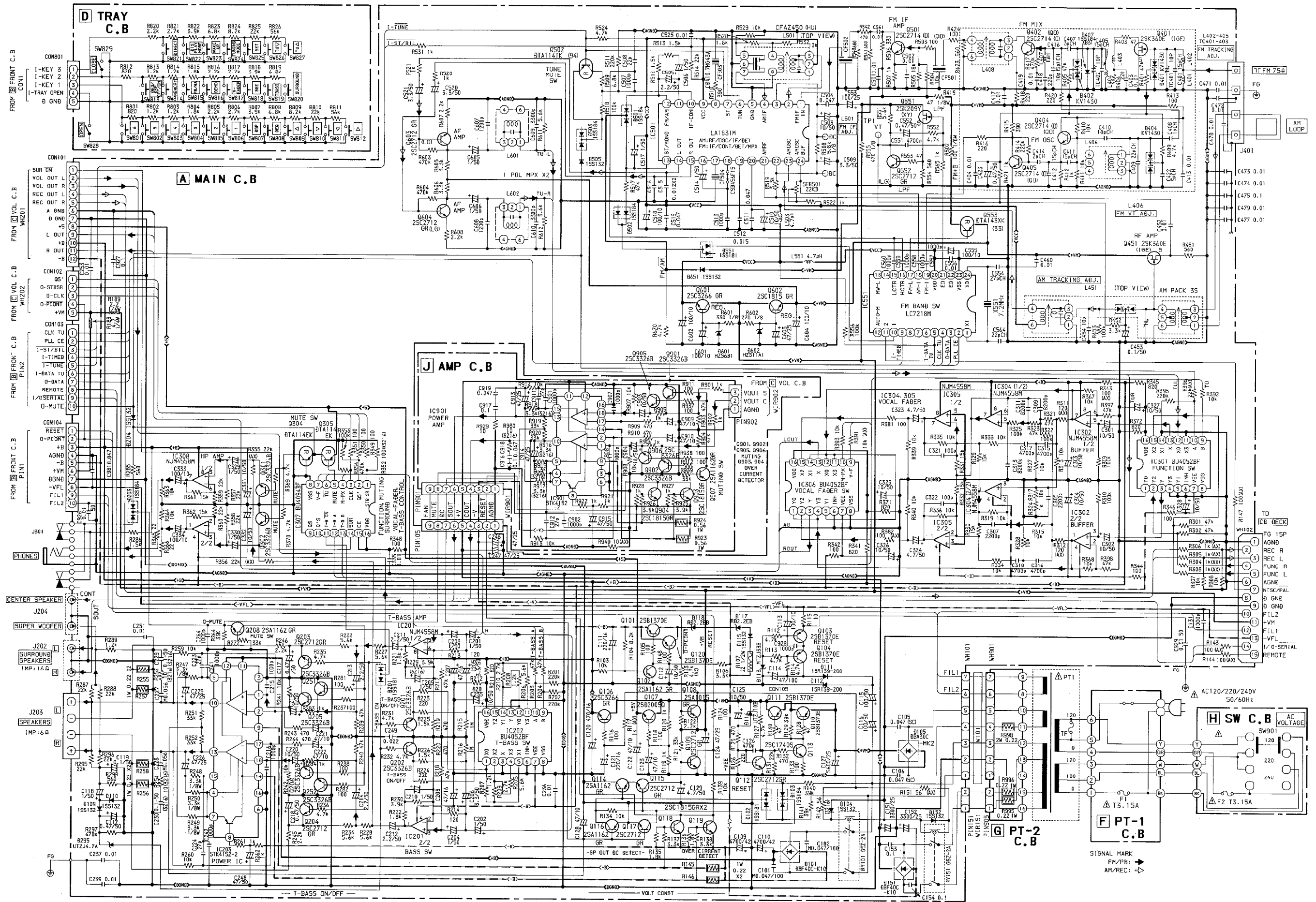
BLOCK DIAGRAM - 2 (EE, K, EEZ)



BLOCK DIAGRAM - 3

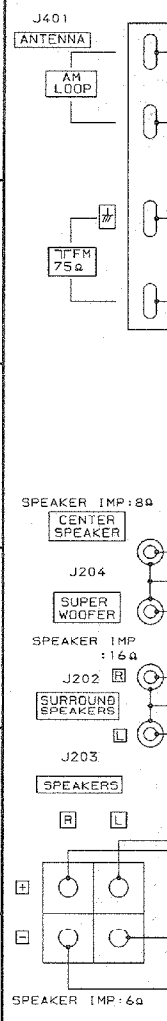
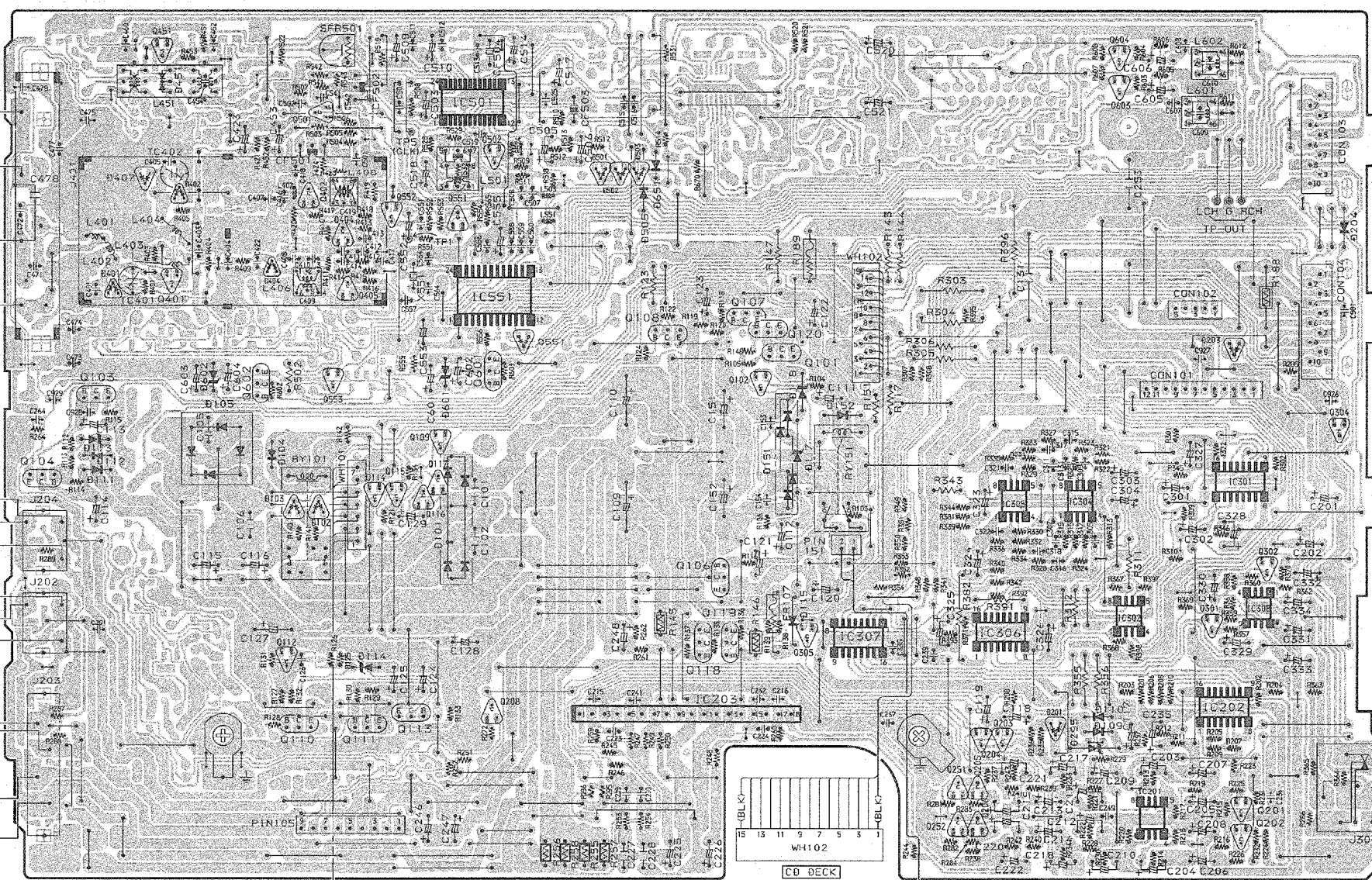


SCHEMATIC DIAGRAM - 1 (MAIN : HE, LH)



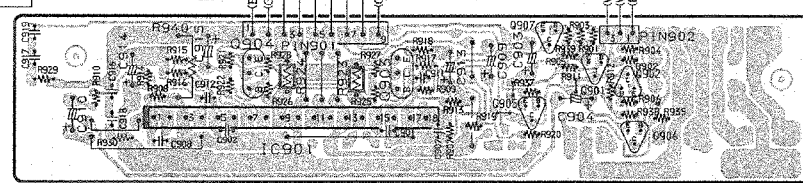
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A MAIN C.B

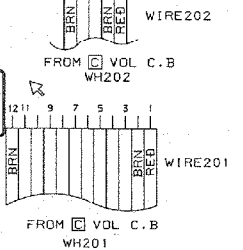
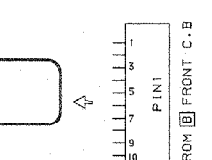
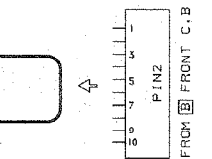
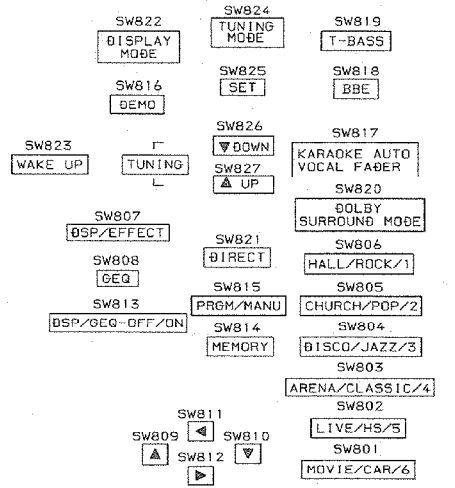
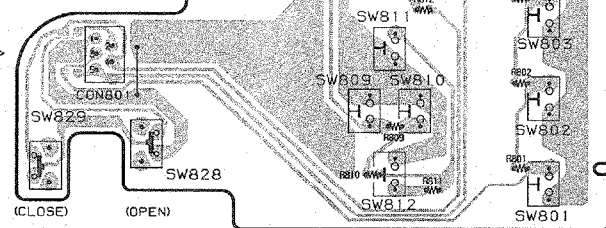


CD DECK

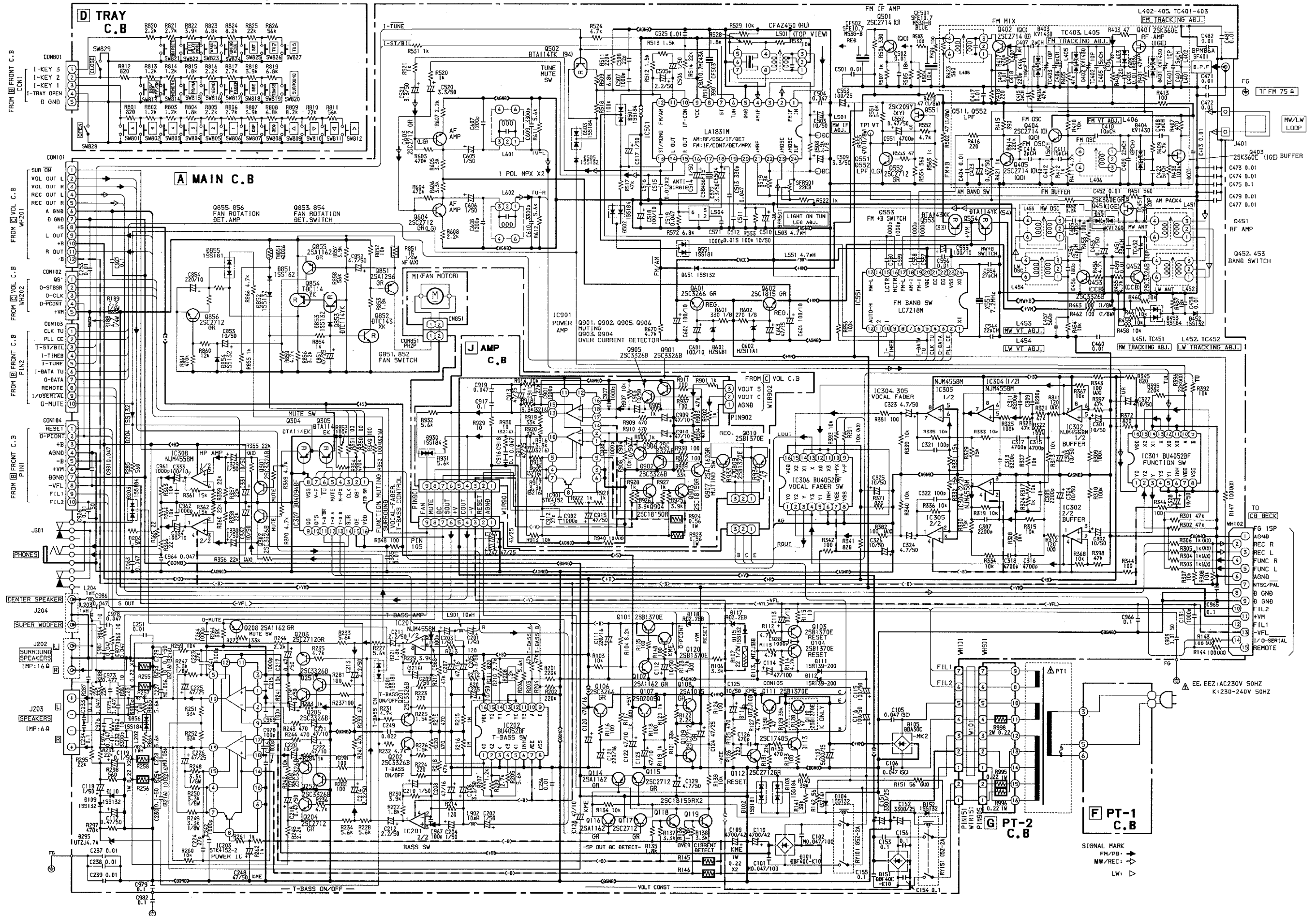
J AMP C.B



TRAY C.B

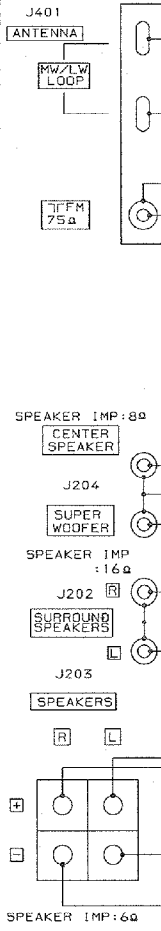
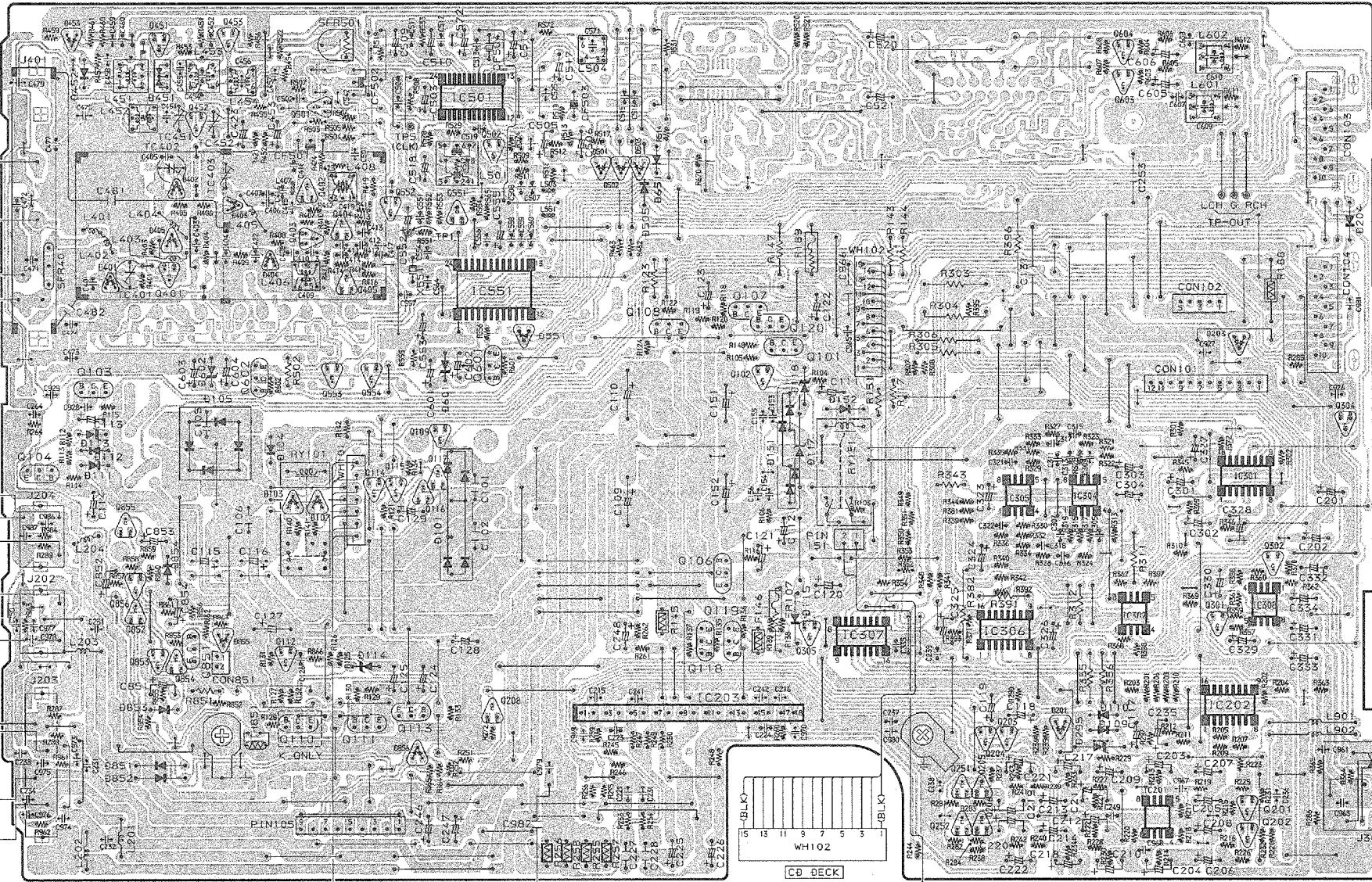


SCHEMATIC DIAGRAM - 2 (MAIN : EE, K, EEZ)

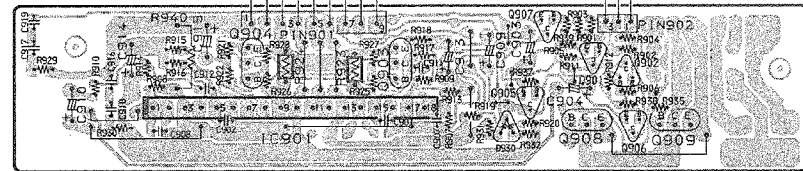


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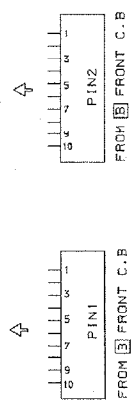
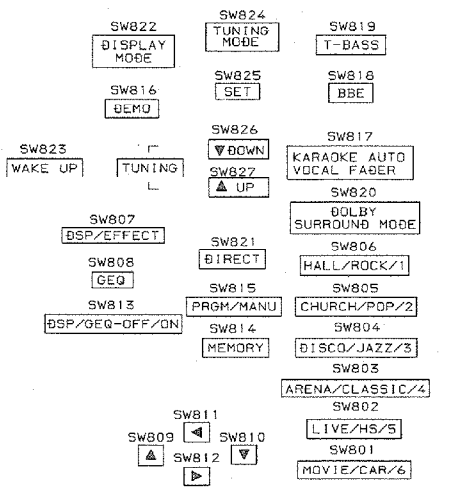
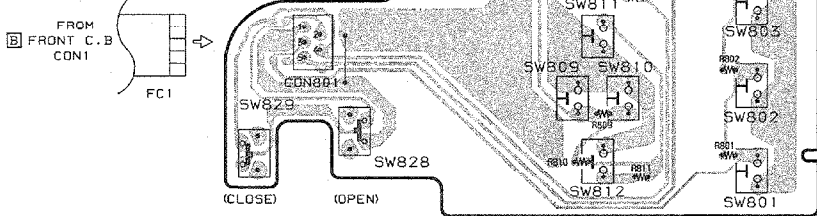
A MAIN C.B



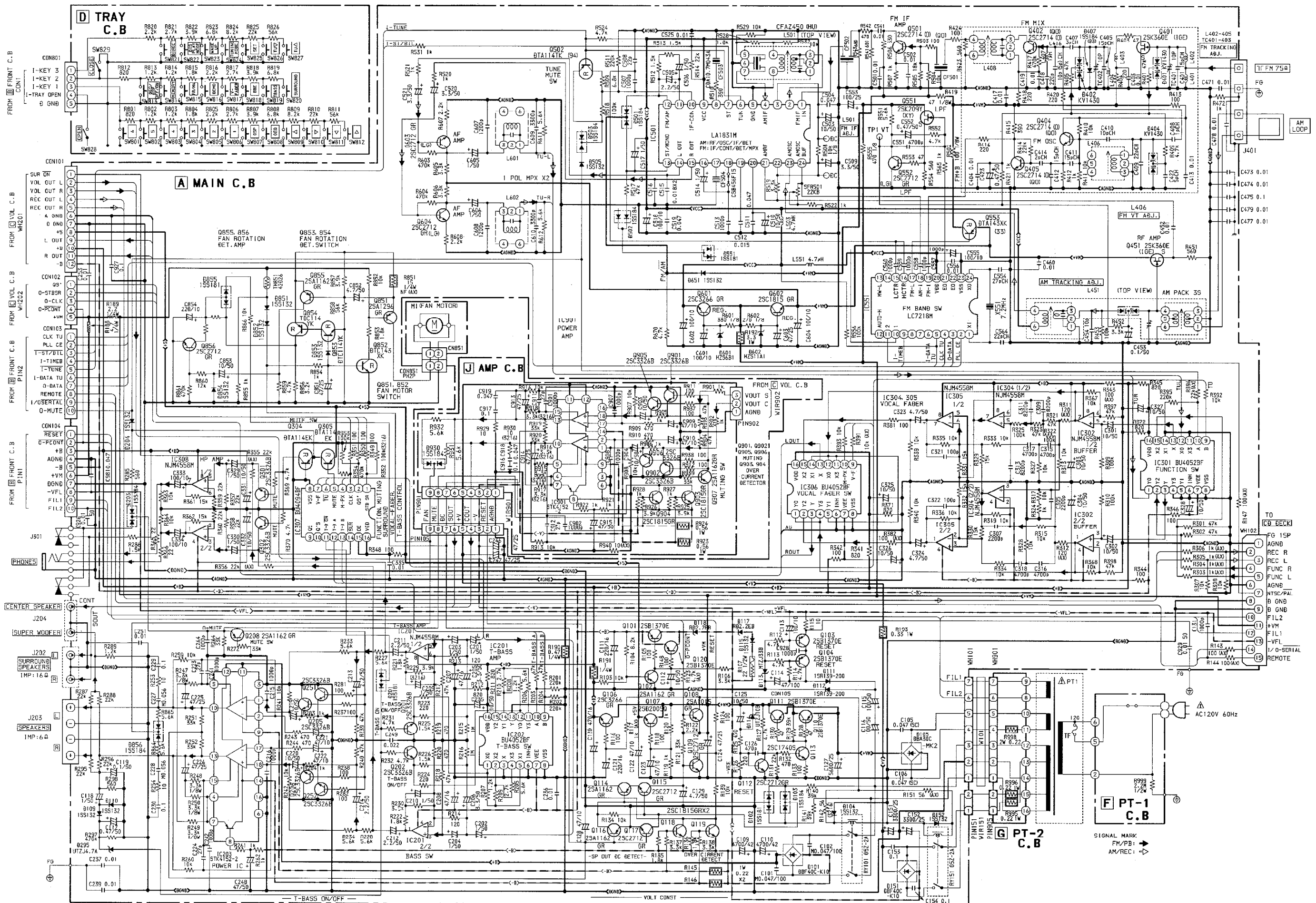
J AMP C.B



TRAY C.B

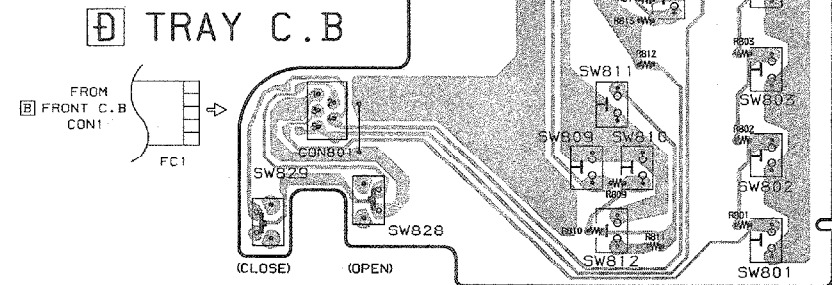
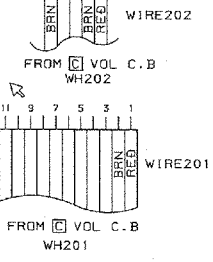
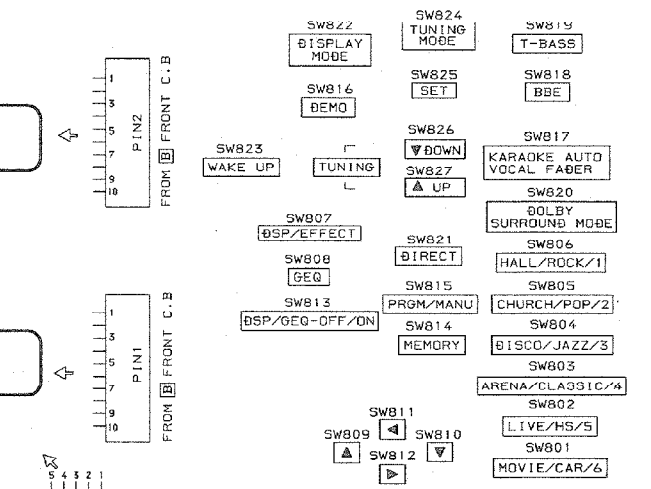
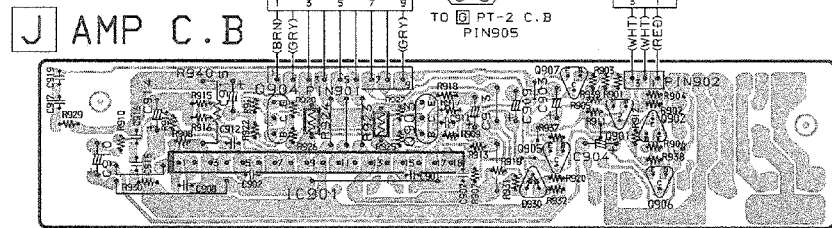
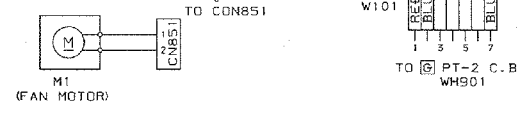
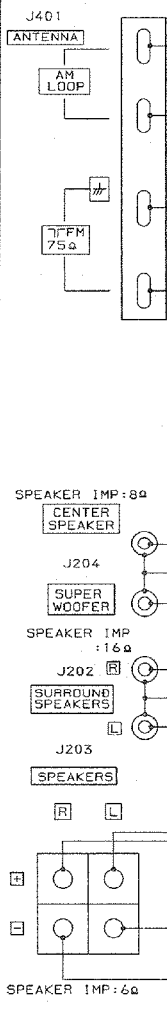
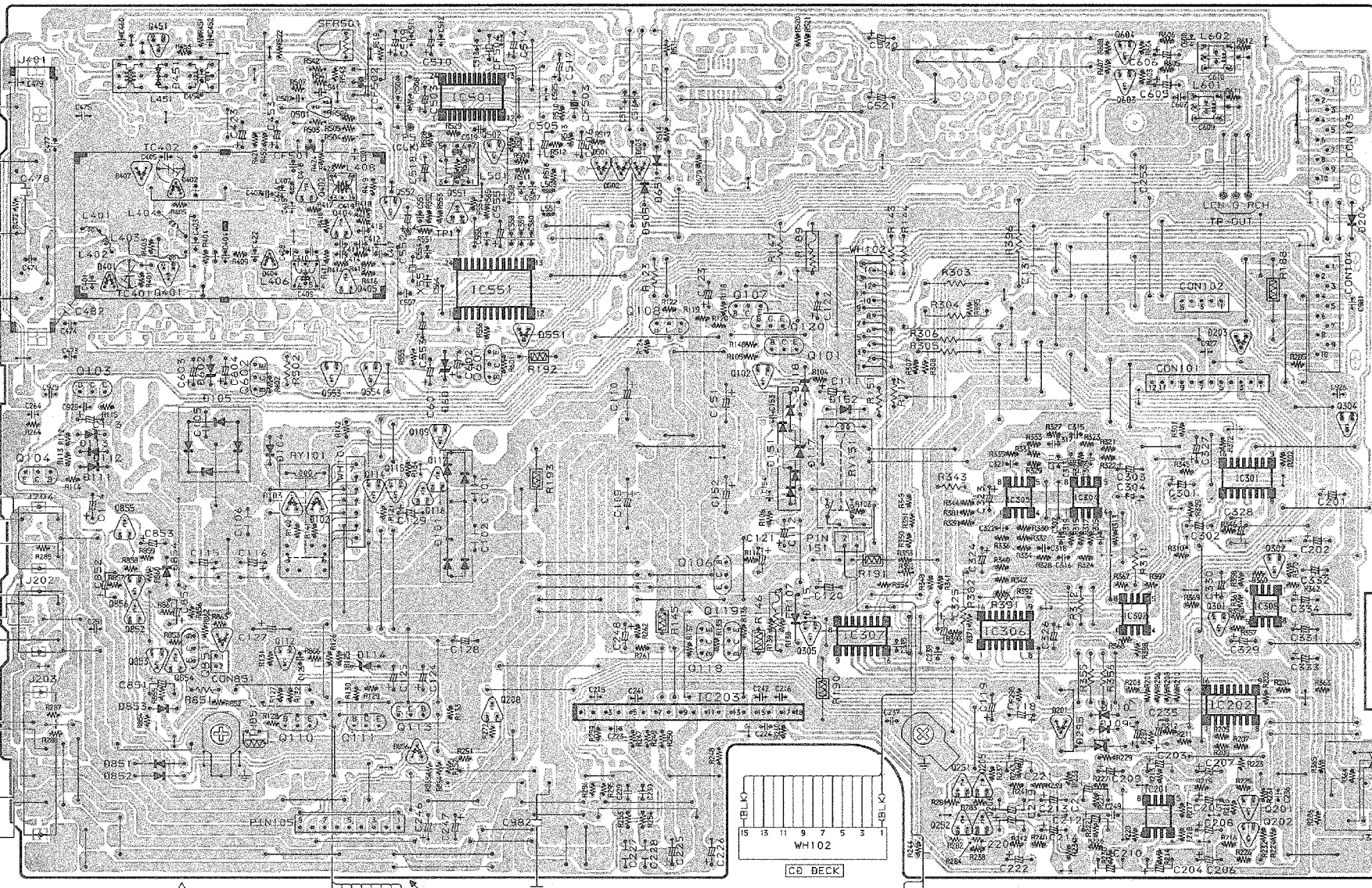


SCHEMATIC DIAGRAM - 3 (MAIN : U)

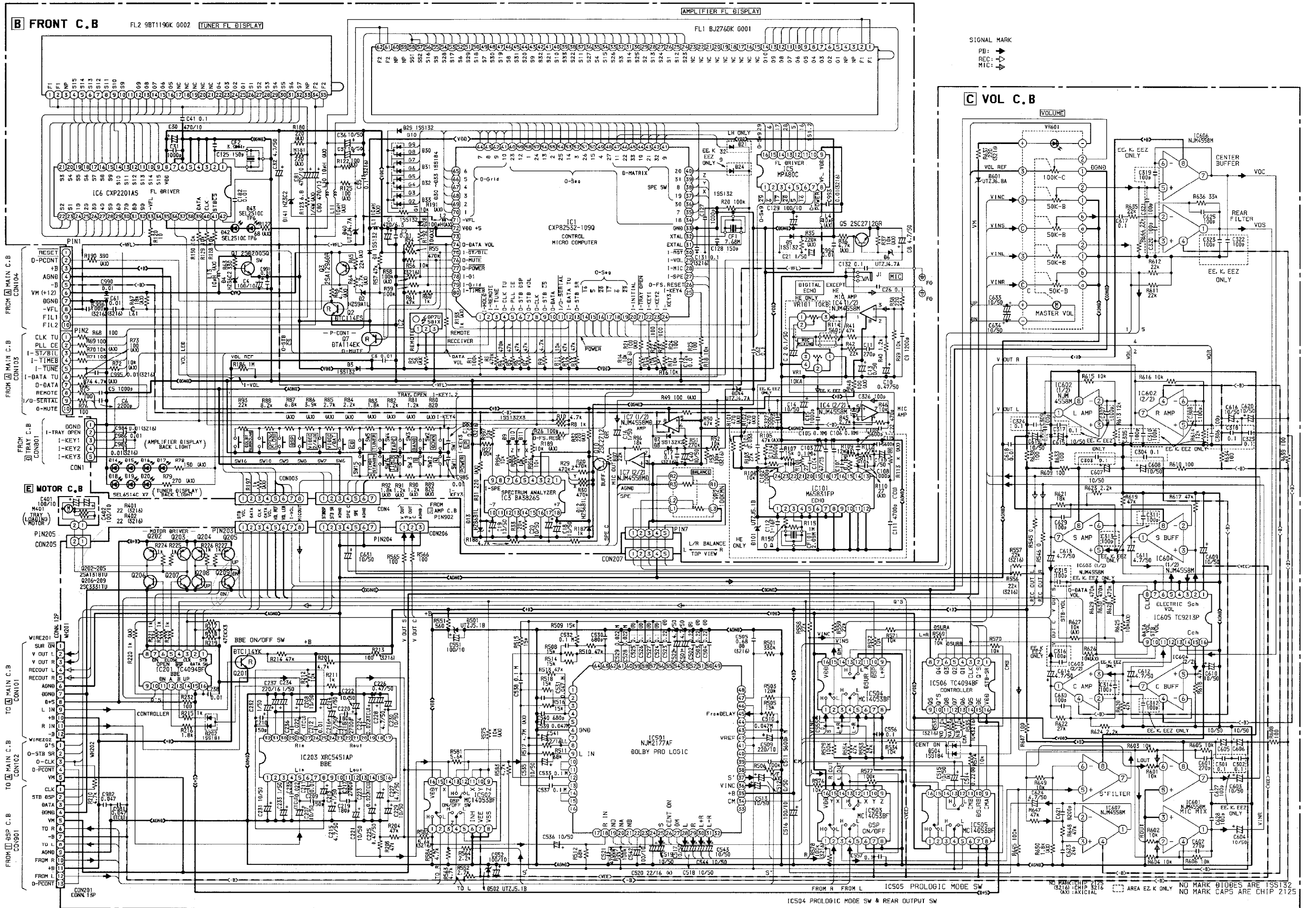


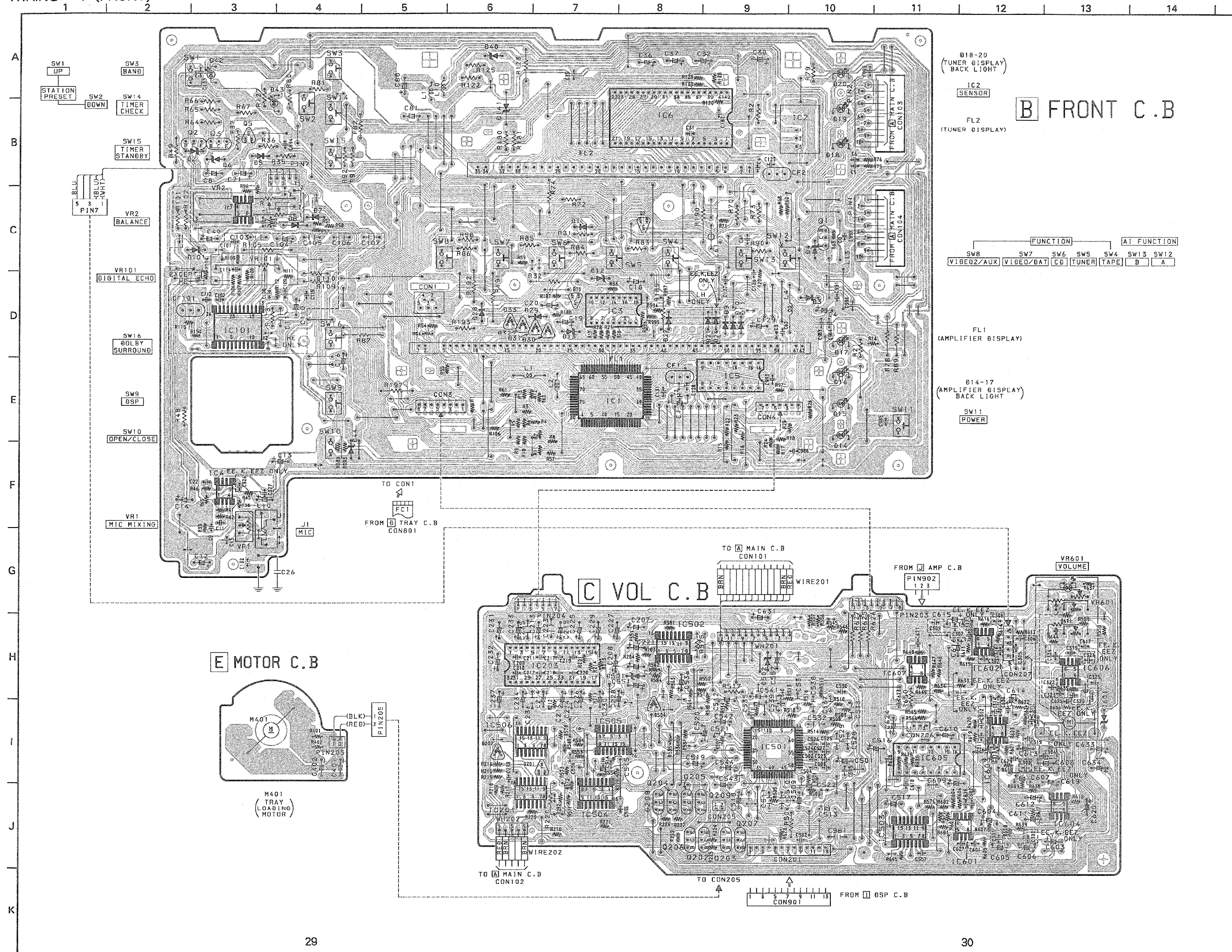
A
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A MAIN C.B



SCHEMATIC DIAGRAM - 4 (FRONT)





B FRONT C.B

Ø18-20
(TUNER DISPLAY)
BACK LIGHT

IC2
(SENSOR)

FL2
(TUNER DISPLAY)

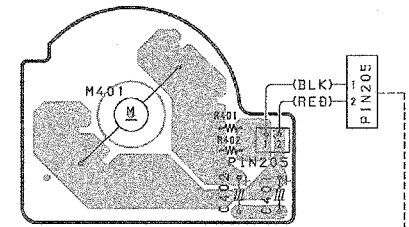
FUNCTION		AI FUNCTION	
SW8	VIDEO2/AUX	SW6	CD
SW7	VIDEO/BAT	SW5	TUNER
SW4	TAPE	SW3	B
SW2	A		

FL1
(AMPLIFIER DISPLAY)

Ø14-17
(AMPLIFIER DISPLAY)
BACK LIGHT

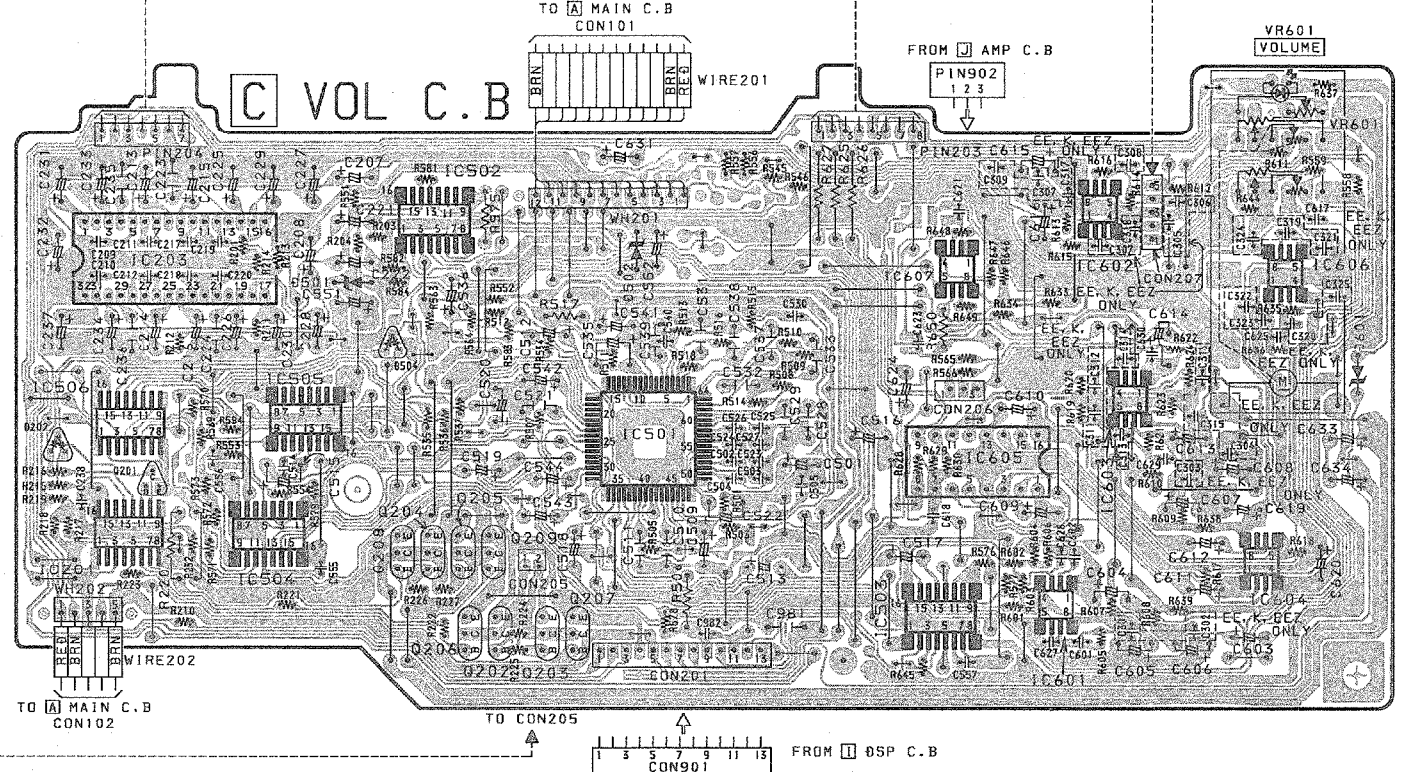
SW1
(POWER)

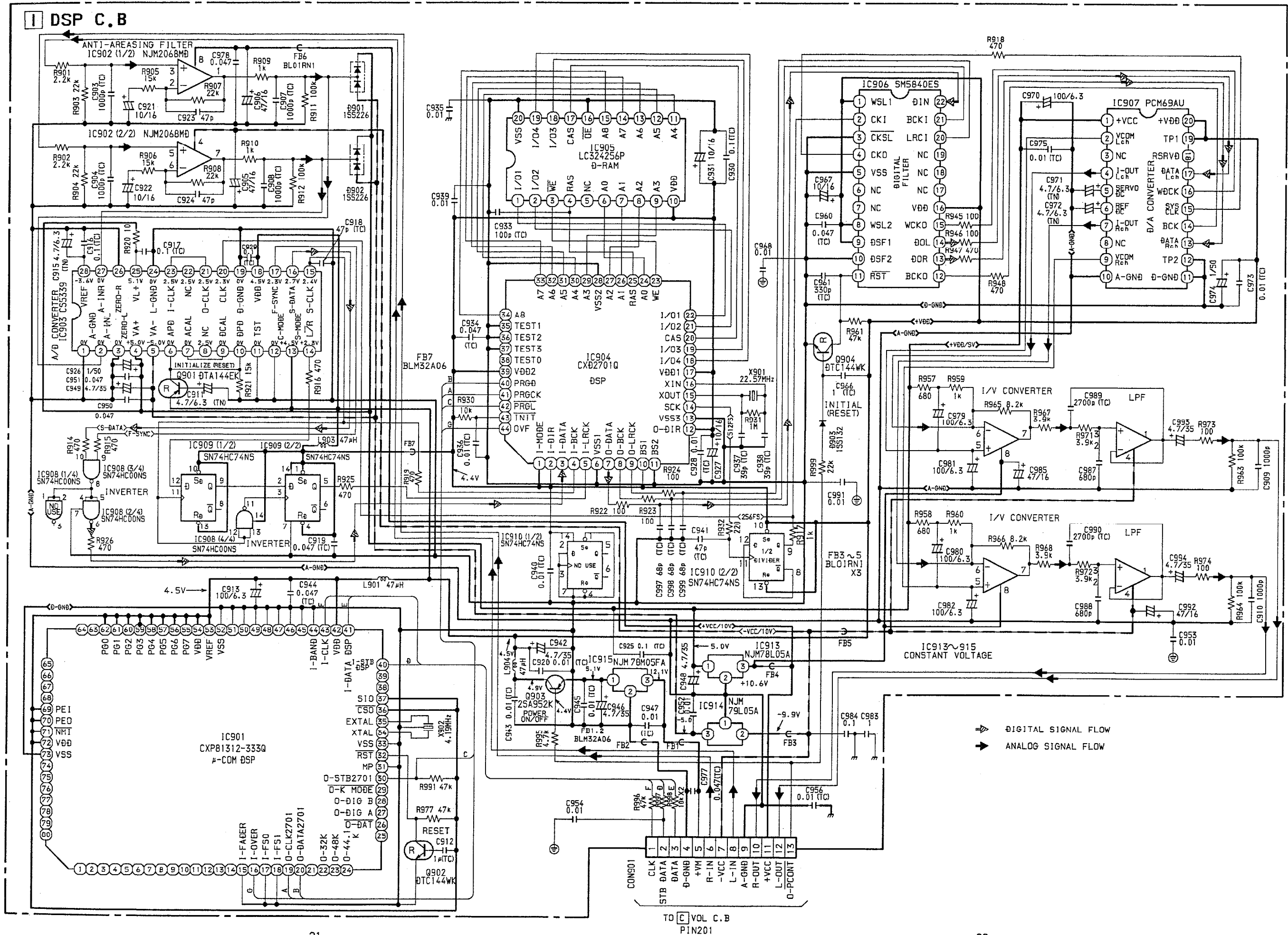
E MOTOR C.B

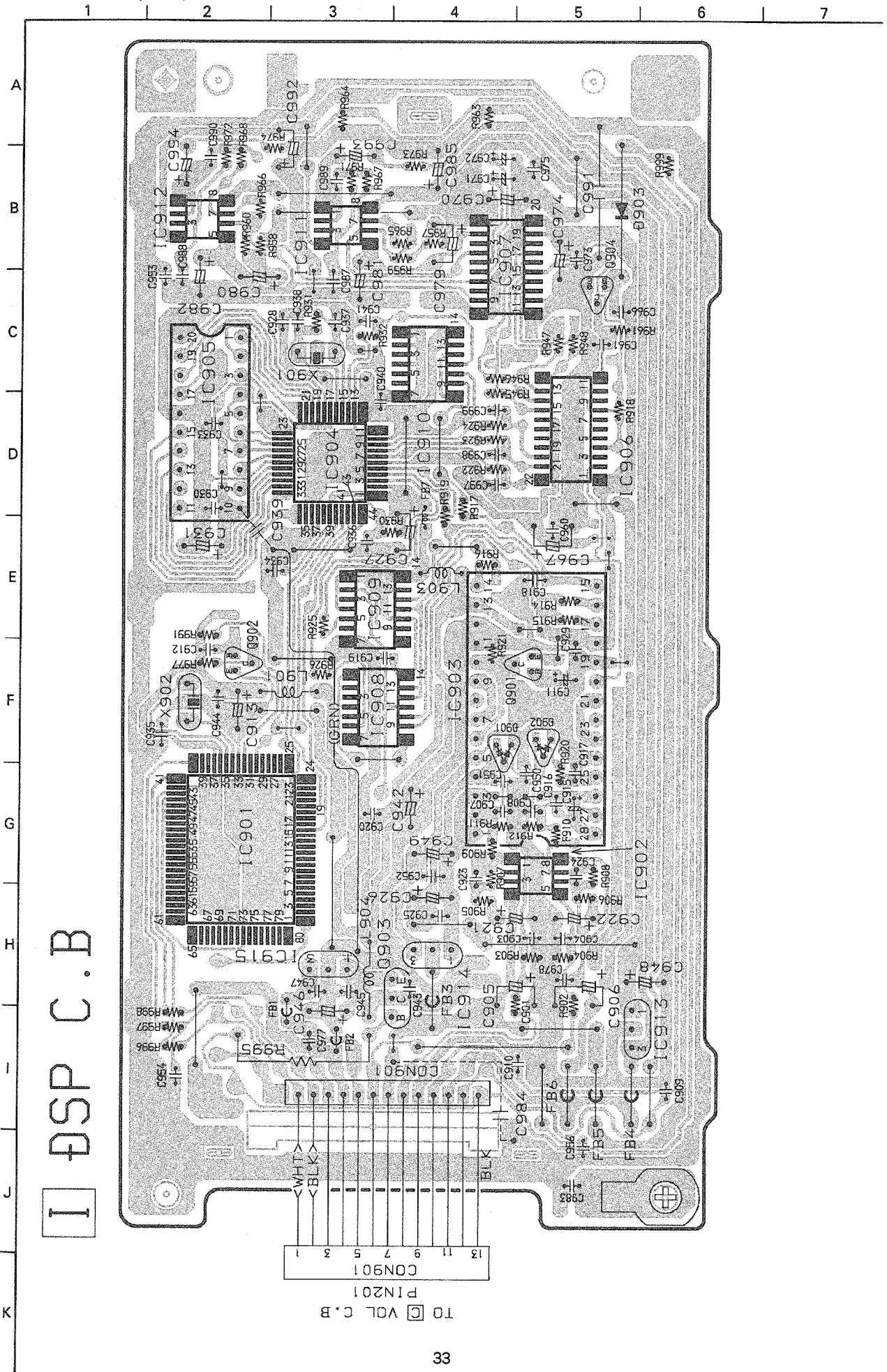


M401
(TRAY
LOADING)
MOTOR

C VOL C.B







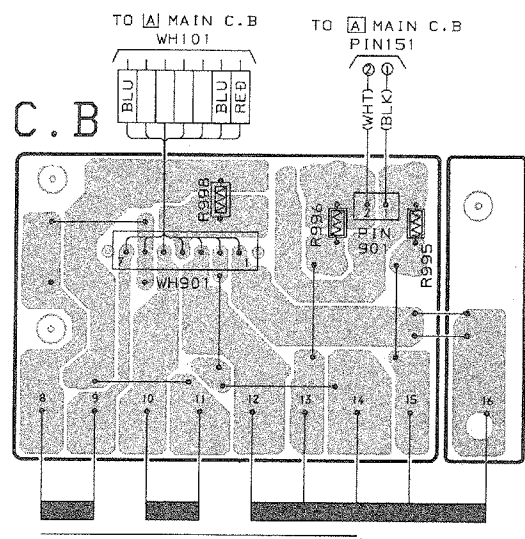
I DSP C.B

WIRING - 6 (POWER)

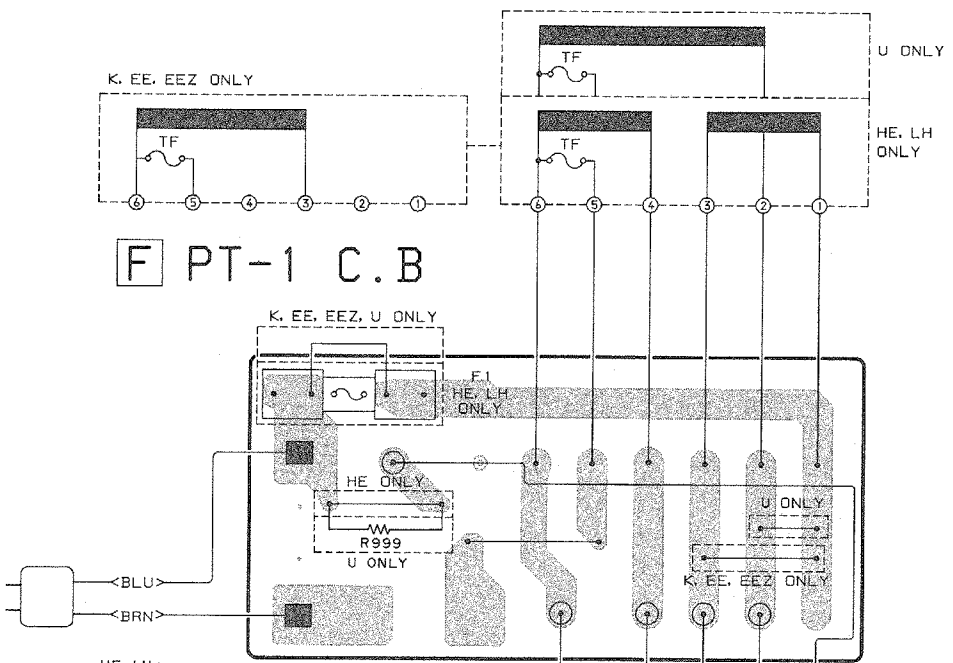
1 2 3 4 5 6 7

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G PT-2 C.B

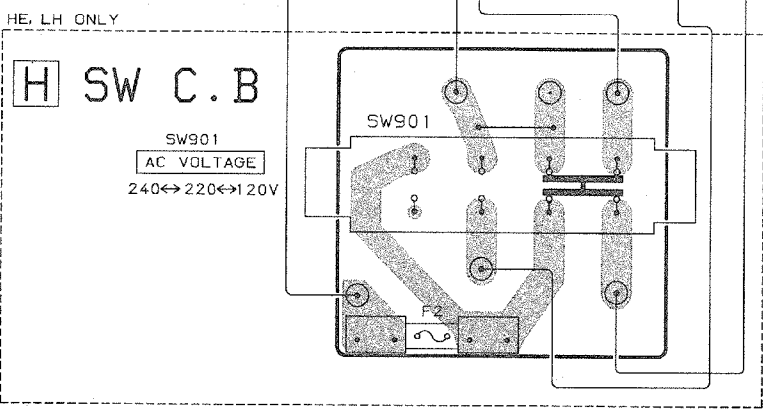


F PT-1 C.B

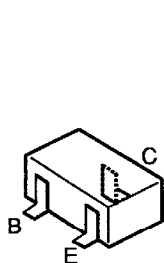


HE, LH:
AC 120/220/240V
50/60HZ
EE, EEZ: AC 230V 50HZ
K: AC 230~240V 50HZ
U: AC 120V 60HZ

H SW C.B



TRANSISTOR ILLUSTRATION



2SA1162
2SC2712
2SC2714
2SC3326
DTA114
DTA143
DTA144
DTC114
DTC143
DTC144



2SA952
2SA1015
2SA1296
2SA1318
2SC1815
2SC3266
2SC3331



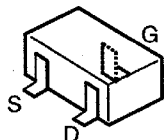
2SB1370



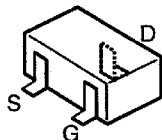
2SC1740
DTA114TK
DTC114ES



2SD2005



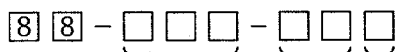
2SK209



2SK360

○ 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

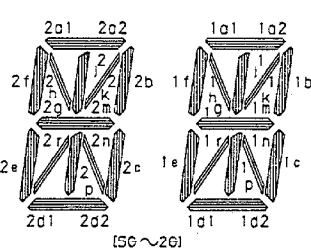
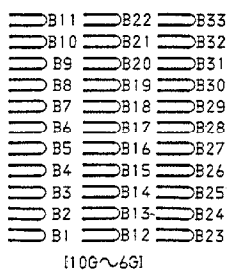
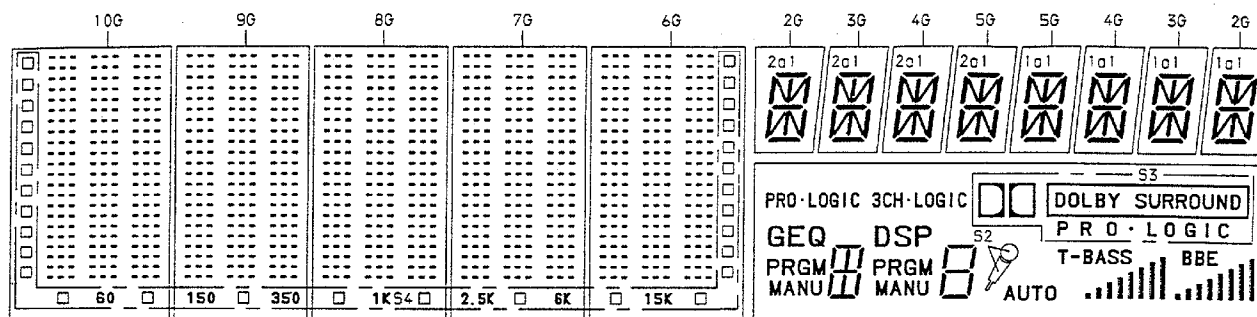
チップ抵抗
Chip resistor

Wattage 容量	Type 種類	Tolerance 許容誤差	Symbol 記号	Dimensions / 寸法 (mm)			Resistor Code : A 抵抗コード : A	
				Form / 外形	L	W		t
1/32W	1608	± 5 %	CJ		1.6	0.8	0.35	108
1/10W	2125	± 5 %	CJ		2	1.25	1.45	118
1/8W	3126	± 5 %	CJ		3.2	1.6	0.5 ~0.7	128

FL (DISPLAY)

FL, BJ276GK

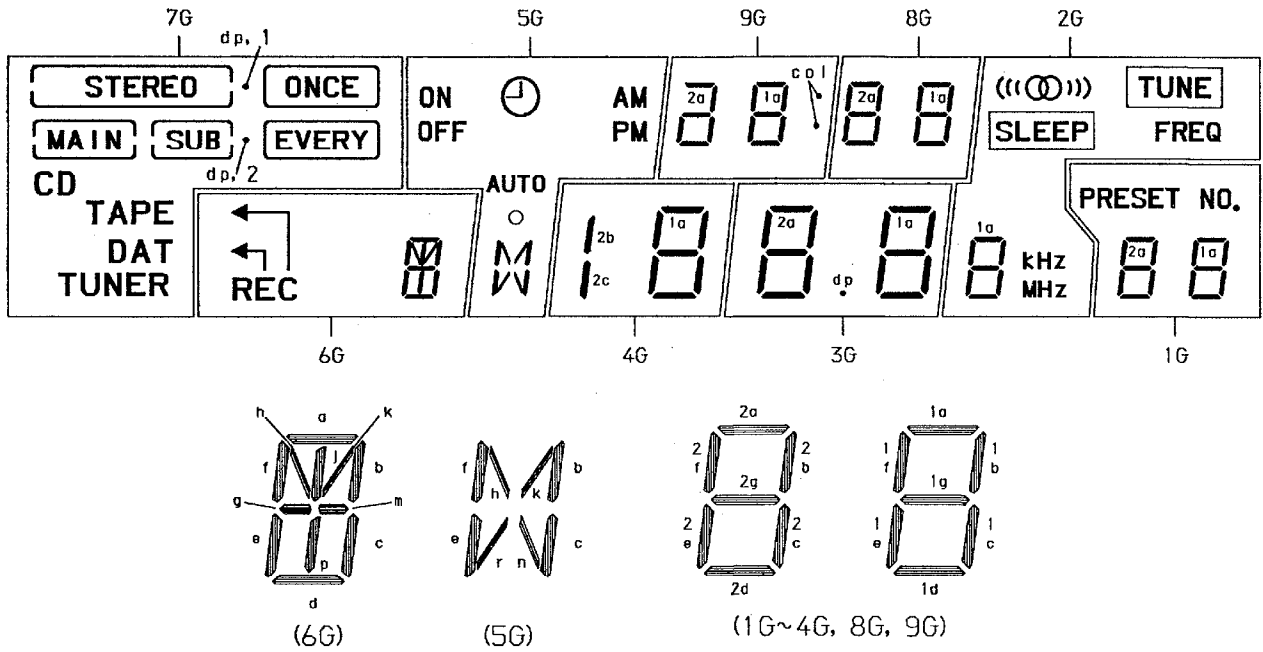
GRID ASSIGNMENT



ANODE CONNECTION

	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
S1	B1	B1	B1	B1	B1	1a2	1a2	1a2	1a2	B6
S2	B2	B2	B2	B2	B2	1k	1k	1k	1k	B3
S3	B3	B3	B3	B3	B3	1g	1g	1g	1g	3CH-LOGIC
S4	B4	B4	B4	B4	B4	1e	1e	1e	1e	AUTO
S5	B5	B5	B5	B5	B5	1p	1p	1p	1p	1a, 1d
S6	B6	B6	B6	B6	B6	2d2	2d2	2d2	2d2	GEQ
S7	B7	B7	B7	B7	B7	2n	2n	2n	2n	2b
S8	B8	B8	B8	B8	B8	2c	2c	2c	2c	DSP
S9	B9	B9	B9	B9	B9	2f	2f	2f	2f	2d
S10	B10	B10	B10	B10	B10	2h	2h	2h	2h	PRGM [GEQ]
S11	B11	B11	B11	B11	B11	2a1	2a1	2a1	2a1	1f
S12	B12	B12	B12	B12	B12	1a1	1a1	1a1	1a1	B7
S13	B13	B13	B13	B13	B13	1h	1h	1h	1h	B4
S14	B14	B14	B14	B14	B14	1f	1f	1f	1f	B1
S15	B15	B15	B15	B15	B15	1c	1c	1c	1c	S3
S16	B16	B16	B16	B16	B16	1n	1n	1n	1n	1b
S17	B17	B17	B17	B17	B17	1d2	1d2	1d2	1d2	1e
S18	B18	B18	B18	B18	B18	2p	2p	2p	2p	2c
S19	B19	B19	B19	B19	B19	2e	2e	2e	2e	PRGM [DSP]
S20	B20	B20	B20	B20	B20	2g	2g	2g	2g	2g
S21	B21	B21	B21	B21	B21	2k	2k	2k	2k	2f
S22	B22	B22	B22	B22	B22	2a2	2a2	2a2	2a2	PRO-LOGIC
S23	B23	B23	B23	B23	B23	-	-	-	-	B8
S24	B24	B24	B24	B24	B24	1j	1j	1j	1j	B5
S25	B25	B25	B25	B25	B25	1b	1b	1b	1b	B2
S26	B26	B26	B26	B26	B26	1m	1m	1m	1m	S2
S27	B27	B27	B27	B27	B27	1r	1r	1r	1r	1c
S28	B28	B28	B28	B28	B28	1d1	1d1	1d1	1d1	1g
S29	B29	B29	B29	B29	B29	2d1	2d1	2d1	2d1	2a
S30	B30	B30	B30	B30	B30	2r	2r	2r	2r	MANU [DSP]
S31	B31	B31	B31	B31	B31	2m	2m	2m	2m	2j, 2p
S32	B32	B32	B32	B32	B32	2b	2b	2b	2b	2e
S33	B33	B33	B33	B33	B33	2j	2j	2j	2j	MANU [GEQ]
SS1	S4	S4	S4	S4	S4	-	-	-	-	-
SS2	-	-	-	-	-	-	-	-	-	S1

GRID ASSIGNMENT



ANODE CONNECTION

	9G	8G	7G	6G	5G	4G	3G	2G	1G
S1	1 a	1 a	STEREO	a	ON	1 a	1 a	1 a	1 a
S2	1 b	1 b	dp 1	b	b	1 b	1 b	1 b	1 b
S3	1 c	1 c	dp 2	c	c	1 c	1 c	1 c	1 c
S4	1 d	1 d	DAT	d	PM	1 d	1 d	1 d	1 d
S5	1 e	1 e	TAPE	e	e	1 e	1 e	1 e	1 e
S6	1 f	1 f	MAIN	f	f	1 f	1 f	1 f	1 f
S7	1 g	1 g	SUB	g, m	Ⓜ	1 g	1 g	1 g	1 g
S8	2 a, 2b, 2c, 2d	2 a	STEREO	h	h	-	2 a	TUNE	2 a
S9	2 b	2 b	ONCE	j, p	k	2 b, 2 c	2 b	FREQ	2 b
S10	2 c	2 c	EVERY	-	OFF	-	2 c	SLEEP	2 c
S11	-	2 d	TUNER	REC	r	-	2 d	((∞))	2 d
S12	-	2 e	CD	(BAT) ←	n	-	2 e	KHZ	2 e
S13	col	2 f	(MAIN)	k	AUTO	-	2 f	MHZ	2 f
S14	-	2 g	(SUB)	(TAPE) ←	AM	-	2 g	-	2 g
S15	-	-	-	-	o	-	dp	-	PRESET NO.

IC DESCRIPTION

IC, LC7218M

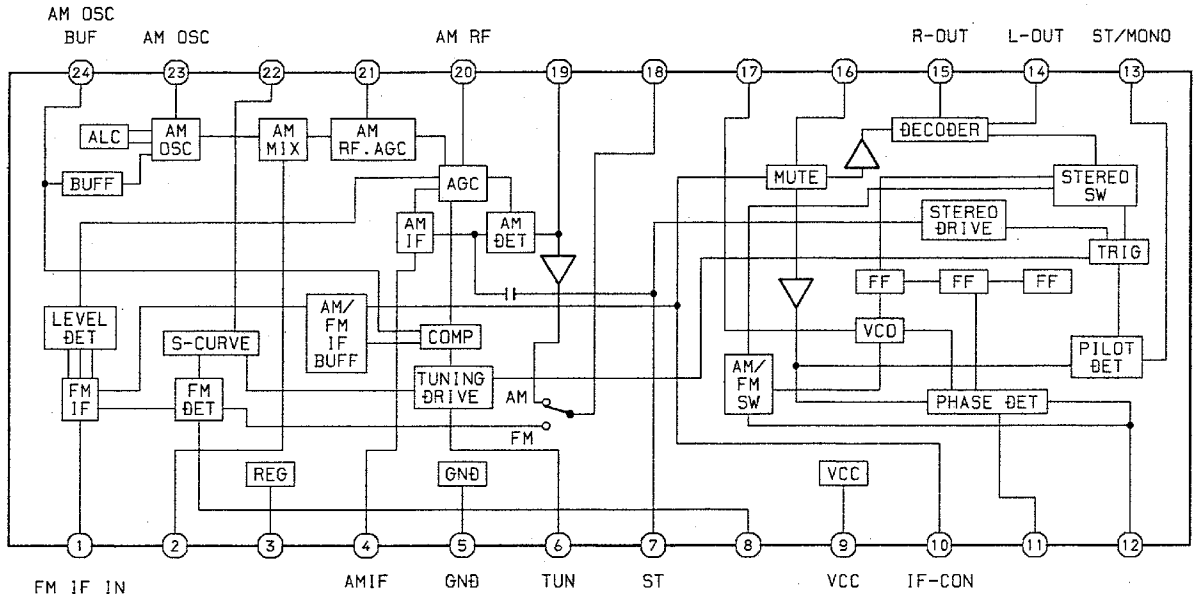
Pin No.	Pin Name	I/O	Description
1	XI	I	Connected to the crystal clock oscillator. (7.2MHz)
2	PLL CE	I	} Input terminal of control data from microcomputer CXP82324.
3	O-DATA	I	
4	CLK TU	I	
5	I-DATA TU	O	TUNER DATA OUTPUT.
6	—	—	Not used.
7	—	—	Not used.
8	—	—	Not used.
9	I-TIMEB	O	Clock time base output.
10	1	O	} AUTO/MONO NTSC/PAL(except TUNER)
11	2	O	
12	AUTO-H	O	Not used.
13	MW-L	O	Tuner band selection output. (Not used)
14	—	—	Not used.
15	LCTR	—	AM IF frequency input.
16	HCTR	—	FM IF frequency input.
17	FM-L	O	Tuner band selection output. FM/AM
18	AM-I	I	AM oscillation frequency input.
19	FM-I	I	FM oscillation frequency input.
20	VDD	—	+5V power supply terminal.
21	E0	O	Tuning voltage control output.
22	E0	—	Not used.
23	VSS	—	Connected to GND
24	XO	O	Connected to crystal clock oscillator. (7.2MHz)

See the NSX - N909 (RX - N909) for the IC description below.

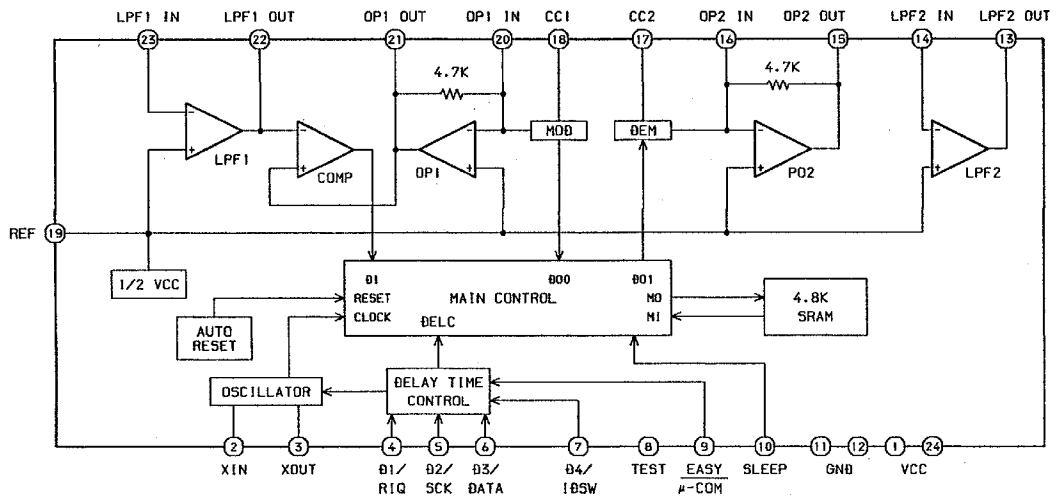
	RX - N939	NSX - D909 (RX - N909)
①	IC,CXP2201AS	IC,CXP2201AS
②	IC,CXP82532 - 109Q	IC,CXP82324 - 136Q
③	IC,CXD2701Q	IC,CXD2701Q
④	IC,CXP81312 - 333Q	IC,CXP81312 - 333Q
⑤	IC,SM5840ES	IC,SM5840ES
⑥	IC,PCM69AU	IC,PCM69AU

IC BLOCK DIAGRAM

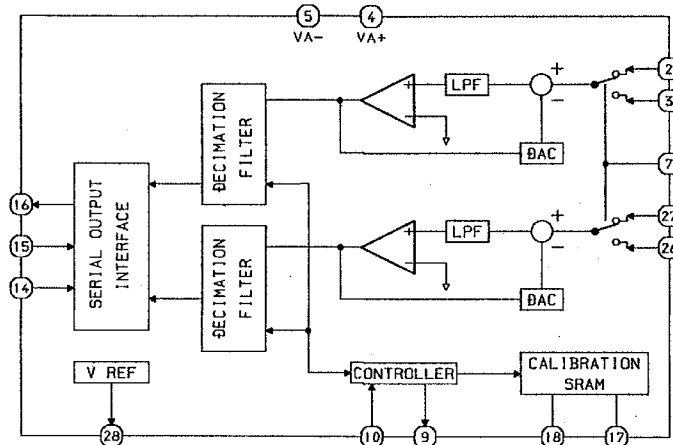
IC,LA1831M



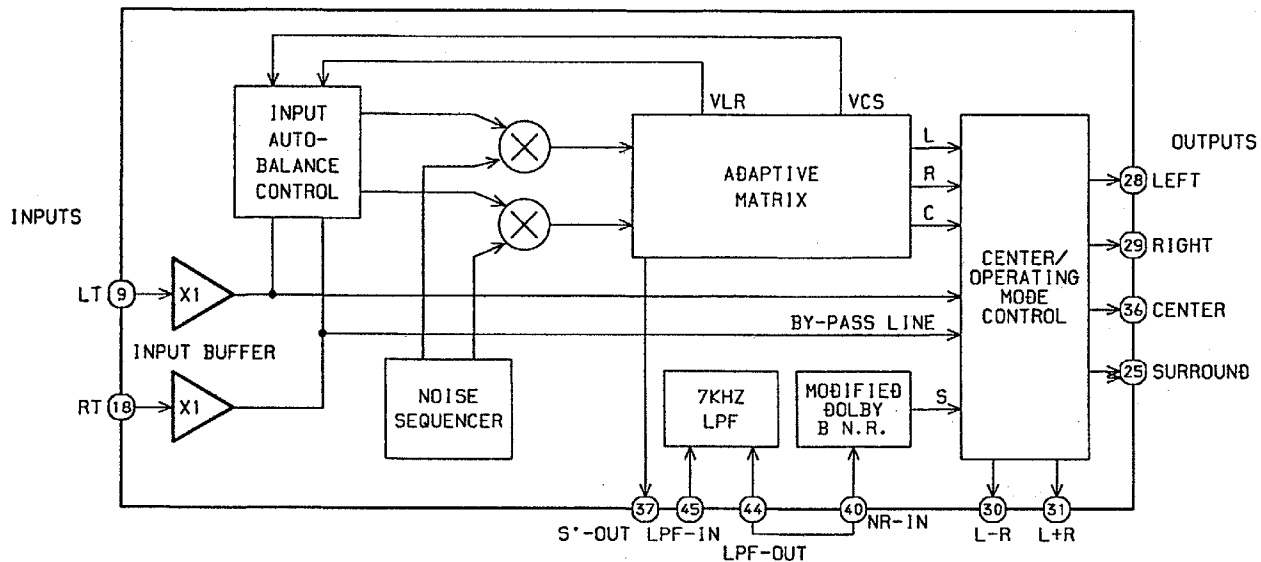
IC,M65831FP



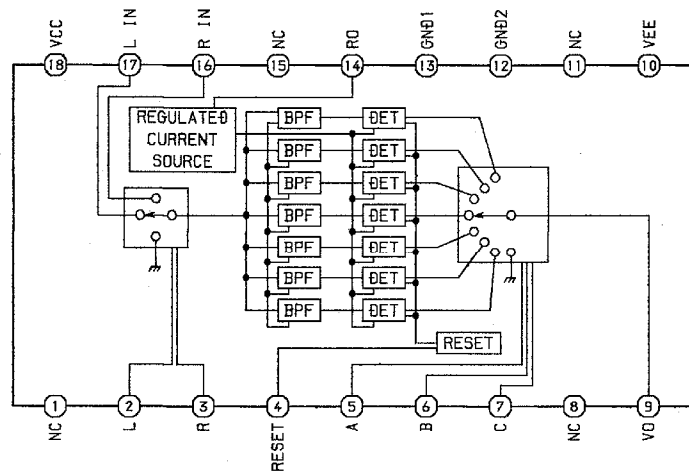
IC,CS5339 - KP



IC,NJM2177AF



IC,BA3826S



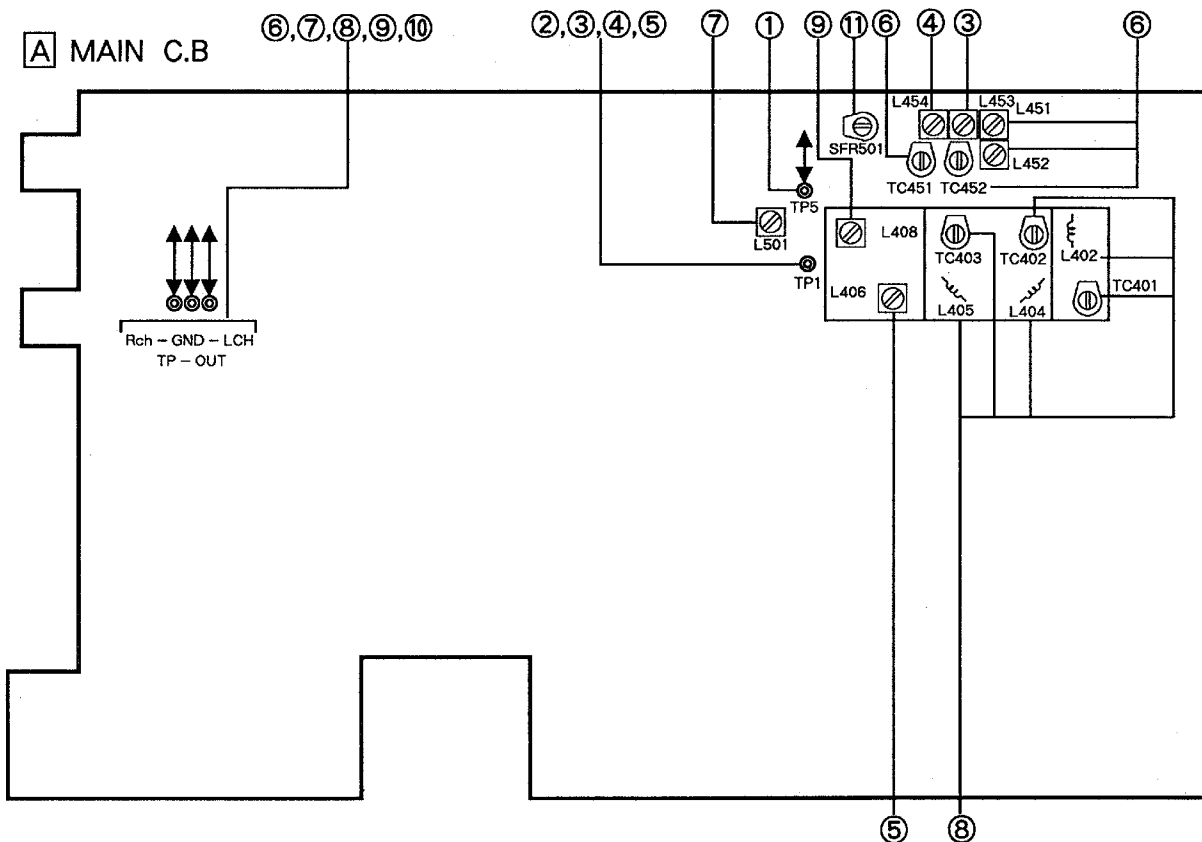
INPUT SELECTOR LOGIC TABLE

SELECTOR		INPUT
L(2PIN)	R(3PIN)	
L	L	UNDETERMINED
L	H	L IN
H	L	R IN
H	H	OFF

OUTPUT SELECTOR LOGIC TABLE

SELECT			OUTPUT
A(5PIN)	B(6PIN)	C(7PIN)	VO(9PIN)
H	H	H	0
L	H	H	F01
H	L	H	F02
L	L	H	F03
H	H	L	F04
L	H	L	F05
H	L	L	F06
L	L	L	F07

ADJUSTMENT (TUNER)



<TUNER SECTION>

Initialized condition

GEQ VR : OFF
 BBE SW : OFF
 MIC VR : Minimum
 BALANCE : Center
 MAIN VR : Variable
 DOLBY NR SW : OFF
 T - BASS : OFF

1. Clock Check

Settings : • Test point : TP5
 Method : Set to MW 1602kHz (HE,EE,K,EEZ), 1710kHz (LH,U) and check so that the test point is 2052kHz \pm 0.05kHz (HE,EE,K,EEZ), 2160kHz \pm 0.05kHz (LH,U).

2. MW VT Check (HE,LH,U ONLY)

Settings : • Test point : TP1
 Method : Set to MW 530kHz (LH,U), 531kHz (HE) and check so that the test point is 1.1V \pm 0.2V.

3. MW VT Adjustment (EE,K,EEZ ONLY)

Settings : • Test point : TP1
 • Adjustment location : L453
 Method : Set to MW 531kHz and adjust L453 so that the test point becomes 1.1V \pm 0.05V.

4. LW VT Adjustment (EE,K,EEZ ONLY)

Settings : • Test point : TP1
 • Adjustment location : L454
 Method : Set to LW 144kHz and adjust L454 so that the test point becomes 1.3V \pm 0.05V.

5. FM VT Adjustment

Settings : • Test point : TP1
 • Adjustment location : L406
 Method : Set to FM 108MHz and adjust L406 so that the test point becomes 9.4V \pm 0.05V.

6. MW, LW Tracking Adjustment (EE,K,EEZ)

Settings : • Test point : TP - OUT
 MW
 L451 603kHz
 TC451 1404kHz
 LW
 L452 144kHz
 TC452 290kHz (HE,LH,U)
 Settings : • Test point : TP - OUT
 • Adjustment location : L451
 Method : Set to MW 1000kHz (LH,U), 999kHz (HE) and adjust MAX voltage by L451

7. MW/LW IF Adjustment
 Settings : • Test point : TP – OUT
 L501 450kHz
8. FM Tracking Adjustment
 Settings : • Test point : TP – OUT
 TC401,TC402 108MHz
 TC403108MHZ (EE,K,EEZ)
 L402,L404 87.5MHz
 L405 87.5MHZ (EE,K,EEZ)
9. FM IF Adjustment
 Settings : • Test point : TP – OUT
 L408 10.7MHz

10. FM Separation Check
 Settings : • Test point : TP – OUT
 Method : Set to FM 98.0MHz and check the separation at TP – OUT is more than 25dB.
11. Light on tuning LED Adjustment
 Settings : • Adjustment location : SFR501
 • Input level : 15dB
 Method : Set to FM 98.0MHz and adjust tuning LED to light on by SFR501.
 After that LED goes out by 2dB down.

PRACTICAL SERVICE FIGURE (TUNER)

TUNER SECTION

< FM SECTION >

IHF Sensitivity :	4dB ± 4dB (87.5MHz) 14dB ± 4dB (87.5MHz) (EE,K,EEZ model)
(THD 3%)	4dB ± 4dB (98.0MHz) 8dB ± 4dB (98.0MHz) (EE,K,EEZ model) 4dB ± 3dB (108.0MHz) 6dB ± 4dB (108.0MHz) (EE,K,EEZ model)
S/N 50dB Quieting sensitivity :	Less than 36dB Less than 44dB (EEZ model) (87.5/90.0/108.0MHz)
Signal to noise ratio :	(MONO) More than 72dB More than 68dB (EEZ model) (98.0MHz) (STEREO) More than 64dB More than 59dB (EEZ model) (98.0MHz)
Distortion :	(MONO) Less than 1.5% (98.0MHz) (STEREO) Less than 1.5% (98.0MHz)

Stereo separation :	More than 25dB (98.0MHz) (HE,LH,U model) More than 15dB (98.0MHz) (EE,K,EEZ model)
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Intermediate frequency : 10.7MHz

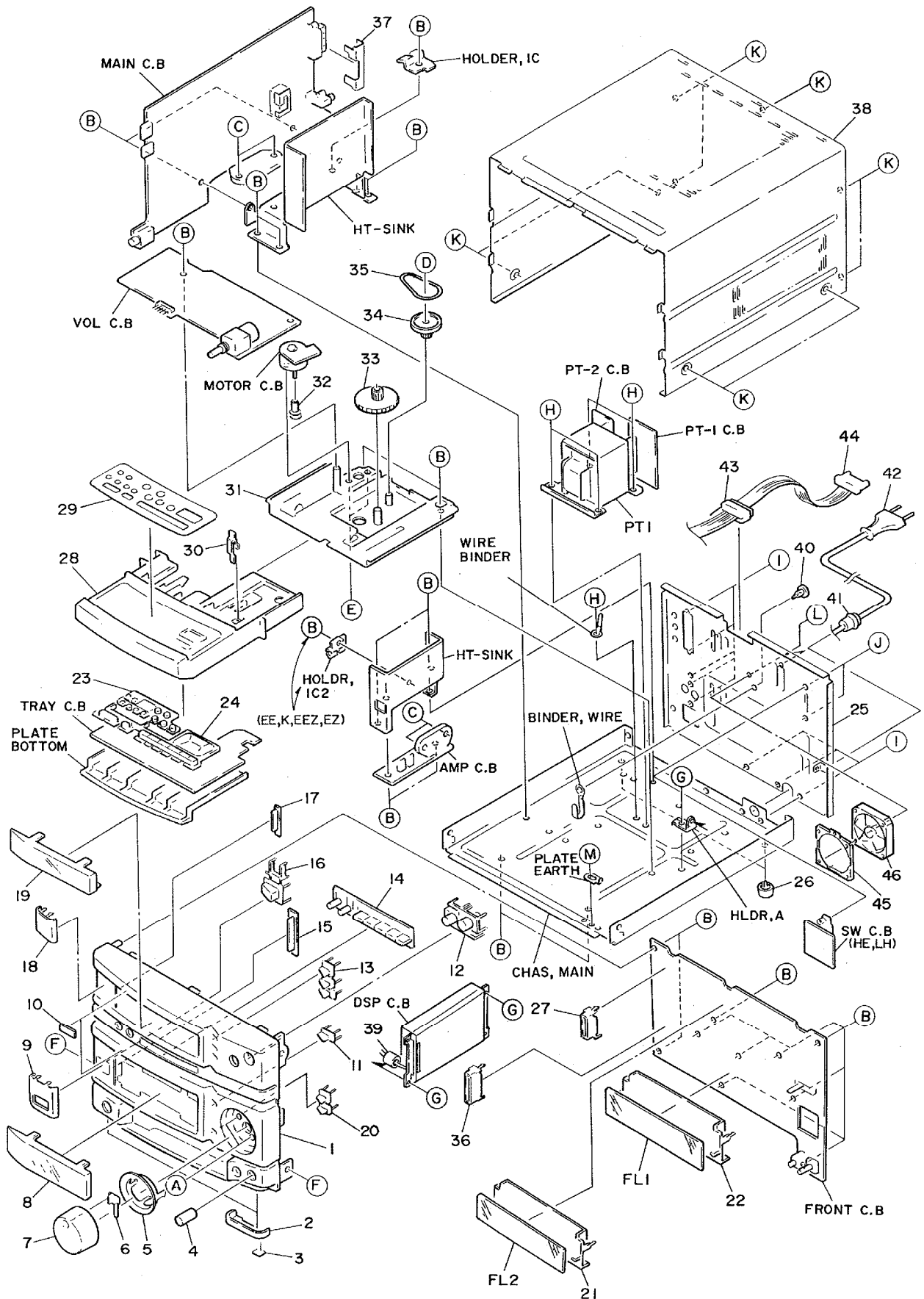
< AM (MW) SECTION >

Sensitivity :	56dB ± 6dB (600,603kHz)
(S/N 20dB)	53dB ± 5dB (999,1000kHz) 53dB ± 5dB (1400,1404kHz)
Distortion :	Less than 1.5% (999,1000kHz)
Intermediate frequency :	450kHz

< LW SECTION > (EE,K,EEZ)

Sensitivity :	65dB ± 5dB (144kHz)
(S/N 20dB)	62dB ± 5dB (198kHz) 60dB ± 5dB (290kHz)
Distortion :	Less than 1.5% (198kHz)
Intermediate frequency :	450kHz

MECHANICAL EXPLODED VIEW 1/1



MECHANICAL PARTS LIST 1/1

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

REF. NO	PART NO.	カンリ NO.	DESCRIPTION	REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	83-NT1-001-010		CAB, FR<HE>	33	82-NT1-204-010		GEAR, LOADING
1	83-NTB-001-010		CAB, FR<K, EE, EEZ, LH>	34	82-NT1-205-010		PULLEY, LOADING
1	83-NTB-002-010		CAB, FR, U<U>	35	80-VW1-217-010		BELT, SQ 1.5
2	82-NT1-036-010		RING, FOOT	36	82-NT1-207-010		GUIDE, LED
3	80-VT1-202-010		FELT, 12.5-15.5-2	37	81-653-648-010		ANT TERM EARTH<K, EE, EEZ>
4	80-MT3-014-010		KNOB, MIC	37	81-653-638-110		ANT TERM EARTH<HE, U, LH>
5	82-NT1-030-010		RING, VOL	38	83-NT1-013-010		CAB, STEEL<HE, LH>
6	82-NE6-016-010		IND, MAIN VOL	38	83-NT1-014-010		CAB, STEEL HI<EXCEPT HE, LH>
7	83-NT3-011-010		KNOB, MAIN	39	87-003-317-010		F-BEAD, FOH2515-LG7
8	82-NT1-028-010		WINDOW, AMP	40	87-084-077-010		NYLON RIVET DIA 3.5 - 4.5
9	82-NT1-045-010		DUMMY, POWER	41	87-085-184-010		BUSHING, AC CORD D<LH>
10	81-MX4-032-010		BADGE, AIWA N	41	87-085-185-010		BUSHING, AC CORD E<K, EE, HE, EEZ>
11	82-NT1-037-010		KEY, DSP	41	87-085-189-010		BUSHING, CORD U<U>
12	82-NT1-018-010		KEY, UP/DOWN	42	87-050-032-010		AC CORD ASSY K 3P S<K>
13	82-NT1-019-010		KEY, TU	△	87-050-034-010		AC CORD ASSY, E<EE, HE, EEZ>
14	82-NT1-020-010		KEY, FUN	△	42	87-050-053-010	AC CORD ASSY, U-2<U>
15	82-NT1-026-010		IND, AMP	△	42	87-034-749-010	AC CORD, H W/PLUG<LH>
16	82-NT1-015-010		KEY, POWER	43	89-VT5-202-010		BUSHING CORD
17	82-NT1-027-010		IND, TU	44	82-NT1-644-010		CORD, FG 15P
18	82-NT1-017-010		DUMMY	45	83-NT1-204-010		HLD, FAN<K, EE, U, EEZ>
19	82-NT1-029-010		WINDOW, TU	46	87-045-365-010		FAN, MOTOR F614R-12MC<K, EE, U, EEZ>
20	83-NT1-012-010		KEY, OPEN	A	87-067-703-010		BVT2+3-10 W/O SLOT
21	82-NT1-208-010		GUIDE, FL AMP	B	87-067-579-010		BVT 2+3-8 W/O SLOT
22	82-NT1-220-010		GUIDE, FL TU	C	87-067-581-010		BVT2+3-15W/O SLOT
23	82-NT1-023-110		KEY, GE	D	87-861-095-410		VFT2+3-8 SLOT
24	82-NT1-022-110		KEY, T-BASS	E	87-261-073-410		V+2, 6-6
25	83-NTB-021-010		PANEL, REAR EZBN<EEZ>	F	87-591-094-410		QIT+3-6GLD
25	83-NTB-007-010		PANEL, REAR HEJBN<HE>	G	87-067-688-010		BVTT +3-6
25	83-NTB-023-010		PANEL, REAR LHBN<LH>	H	87-078-019-010		S-SCREW, IT+4-6
25	83-NTB-015-010		PANEL, REAR UBN<U>	I	87-067-660-010		BVT2+3-8W/O SLOT BLK
25	83-NTB-019-010		PANEL, REAR EEBN<EE>	J	80-VP2-202-010		SPECIAL SCREW VT2BLK<HE, LH>
25	83-NTB-018-010		PANEL, REAR KBN<K>	K	87-743-094-410		UT 2+3-6 W/O SLOT BLK
26	87-085-213-010		FOOT, H12.5	L	87-263-102-410		V+3-20 ISD BLK<K, EE, U, EEZ>
27	82-NT1-219-010		GUIDE, LED 2	M	87-571-093-410		VIT+3-5
28	83-NTB-005-010		CAB, TRAY E<EXCEPT HE, LH>				
28	83-NTB-004-010		CAB, TRAY (H)<HE, LH>				
29	83-NTB-013-010		PLATE, TRAY				
30	81-MT3-211-010		LEVER, OPEN				
31	82-NT1-203-210		HLD, TRAY				
32	89-VW5-206-010		PULLEY MOTOR				

MODEL NO.

SX-N939

■ SPEAKER LIST

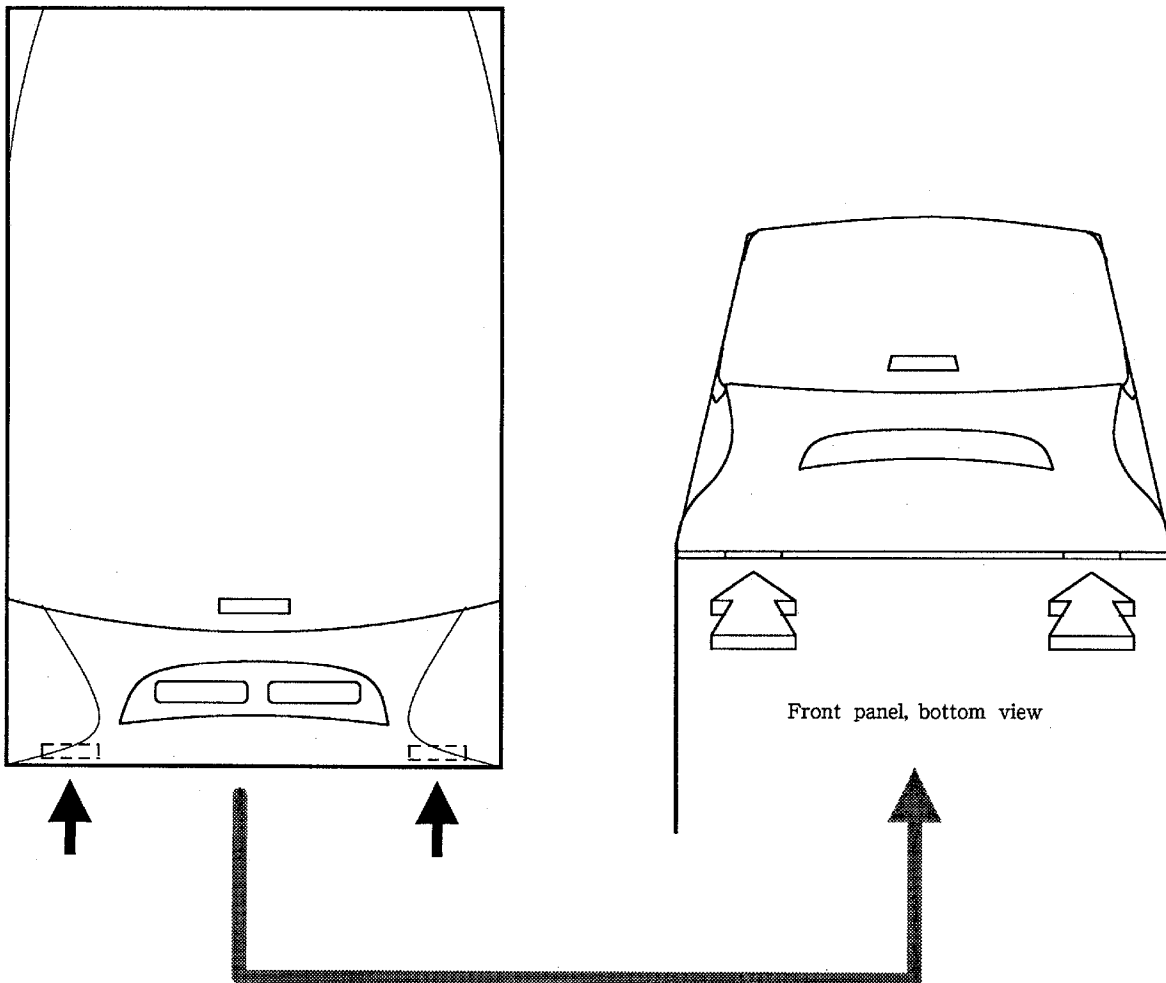
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REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
83-NSB-010-010			PANEL FR, L	83-NSB-602-010			SPEAKER WOOFER
83-NSB-011-010			PANEL FR, R	83-NSD-608-010			SPEAKER TWEETER
83-NSD-008-010			RING TW, ASSY R	83-096-614-010			SPEAKER CORD
83-NSD-021-010			RING TW, ASSY L	82-NS2-610-010			TERMINAL ASSY
83-NSD-007-010			GRILL FRAME ASSY				

■ DISASSEMBLY INSTRUCTIONS

- Insert a flat-bladed screwdriver into the position indicated by the arrows (shown in the below figure) and remove the front panel and tweeter. Remove the screws of each speaker unit and then remove the speaker units.

- SX-N939 (3 WAY SPEAKER SYSTEM)



■ ACCESSORIES/PACKAGE LIST

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

REF. NO	PART NO.	カテゴリ NO.	DESCRIPTION
1	83-NTB-902-010		IB, ESC(S) (EXCEPT U)
2	83-NTB-903-010		IB, GFI(S) (EE, EEZ)
3	83-NTB-904-010		IB, U -ESF(S) (U)
4	83-NT1-010-010		RC, RC-TN950 EX
5	87-006-225-010		AM LOOP ANT NC2
6	87-009-724-010		PLUG, ADPTR IR39 (LH)
7	87-009-725-010		PLUG, ADPTR IR40 (HE)
8	87-043-115-010		ANT, FEEDER FM(HE, LH, U)
9	87-043-106-010		FM, WIRE ANT(Z) (EE, K, EEZ)

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
TRIMMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER
サージサプレッサ	SERGESUPPRESSOR
セラコン	CAP, CERA

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
ジグアーム	ARM, SHAFT
ジグガイド	GUIDE, SHAFT
ストラップ	STRAP
トクナベ	S-SCRW
ヒンジ	HINGE
ヒンジビス	S-SCRW
ビスセレート	SCRW, SERRART

サービス技術ニュース	
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