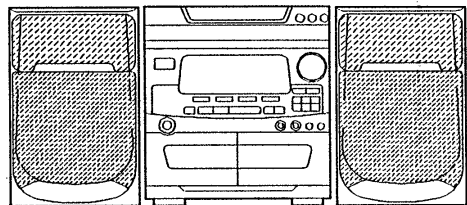


# aiwa



## NSX-K600D



COMPACT DISC  
STEREO CASSETTE RECEIVER

- BASIC TAPE MECHANISM: 2ZM-3MK2-PR1
- BASIC CD MECHANISM: 4ZG-1GFRV3

- TYPE: HR, HK, TH, EZ

SYSTEM	CENTER UNIT	SPEAKER	REMOTE CONTROLLER
NSX-K600D	CX-NK600D	SX-FNK600L	RC-T520
		SX-FNK600	

- このサービスマニュアルにはメカニズムの説明が含まれていません。メカニズムについては、4ZG-1/4ZG-1T/4ZG-1S, S/M Code No. 09-95C-124-90Tのマニュアルを参照してください。
- If requiring information about the mechanism, see Service Manual of 4ZG-1/4ZG-1T/4ZG-1S (S/M Code No. 09-95C-124-90T).

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# SPECIFICATIONS

## HR, HK, TH MODELS

### Main unit CX-NK600D

#### FM tuner section

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity(IHF)	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 $\mu$ V/m
Antenna	Loop antenna

#### SW tuner section

Tuning range	SW 1: 3.20 MHz to 7.30 MHz SW 2: 9.50 MHz to 21.85 MHz
Antenna	Wire antenna

#### Amplifier section

Power output	HK, TH: 50 W + 50 W (6 ohms, T.H.D. 10 % , 1 kHz) HR (without connecting to the SURROUND SPEAKERS): Rated 38 W + 38 W (6 ohms, T.H.D. 1 % , 1 kHz) Reference: 50 W + 50 W
--------------	---

#### Total harmonic distortion

Inputs	0.07 % (20 W, 1 kHz, 6 ohms) VIDEO/AUX: 150 mV (adjustable) MIC 1, MIC 2: 1 mV (10 kohms) LINE OUT: 200 mV
--------	---

#### Outputs

VIDEO OUT: 1.0 Vp-p (75 ohms) SUPER WOOFER: 1.7 V SPEAKERS: accepts speakers of 6 ohms or more SURROUND SPEAKERS: accepts speakers of 16 ohms or more PHONES (stereo jack): accepts headphones of 32 ohms or more
---

#### Cassette deck section

Track format	4 tracks, 2 channels stereo
Frequency response	CrO <sub>2</sub> tape: 50 Hz – 16000 Hz Normal tape: 50 Hz – 15000 Hz
Signal-to-noise ratio	60 dB (Dolby B NR ON, CrO <sub>2</sub> tape peak level)
Recording system	AC bias
Heads	DECK 1: Playback head $\times$ 1 DECK 2: Recording/playback/erase head $\times$ 1

#### Compact disc player section

Laser	Semiconductor laser ( $\lambda = 780$ nm)
D-A converter	16 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.03 % (1 kHz, 0 dB)
Wow and flutter	Unmeasurable
Video signal	HR, HK: PAL color format TH: NTSC color format
Video data	MPEG 1
Audio data	MPEG 1, LAYER 2

### Speaker system SX-FNK600L

Cabinet type	3 way, bass reflex with surround speaker (Magnetic sealed type)
--------------	---

Speaker	Woofer: 140 mm (5 <sup>5</sup> / <sub>8</sub> in.) cone type Tweeter: 80 mm (3 <sup>1</sup> / <sub>4</sub> in.) cone type Super tweeter: 50 mm (2 in.) ceramic type Surround speaker: 80 mm (3 <sup>1</sup> / <sub>4</sub> in.) cone type
---------	--

Impedance	Front speaker: 6 ohms Surround speaker: 16 ohms
-----------	--

Output sound pressure level	87 dB/W/m
Dimensions (W $\times$ H $\times$ D)	206 $\times$ 302 $\times$ 265 mm (8 <sup>1</sup> / <sub>8</sub> $\times$ 12 $\times$ 10 <sup>1</sup> / <sub>2</sub> in.)

Weight	3.7 kg (8 lbs 3 oz.)
--------	----------------------


#### General

Power requirements	120/220 – 230/240 V AC, switchable 50/60 Hz
Power consumption	130 W

Dimensions of main unit (W $\times$ H $\times$ D)	260 $\times$ 306.8 $\times$ 339.5 mm (10 <sup>1</sup> / <sub>4</sub> $\times$ 12 <sup>1</sup> / <sub>8</sub> $\times$ 13 <sup>3</sup> / <sub>8</sub> in.)
---	---

Weight of main unit	7.8 kg (17 lbs 3 oz.)
---------------------	-----------------------

- 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.

## EZ MODEL

### Main unit CX-NK600D

#### FM tuner section

Tuning range	87.5 MHz to 108 MHz
Usable sensitivity(IHF)	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 $\mu$ V/m
Antenna	Loop antenna

#### LW tuner section

Tuning range	144 kHz to 290 kHz
Usable sensitivity	1400 $\mu$ V/m
Antenna	Loop antenna

#### Amplifier section

Power output	(without connecting to the SURROUND SPEAKERS): Rated 30 W + 30 W (6 ohms, T.H.D. 1 %, 1 kHz/DIN 45500) Reference: 40 W + 40 W (6 ohms, T.H.D. 10 %, 1 kHz/DIN 45324) DIN MUSIC POWER 55 W + 55 W
--------------	--

Total harmonic distortion	0.07 % (15 W, 1 kHz, 6 ohms, DIN AUDIO)
---------------------------	---

Inputs	VIDEO/AUX: 150 mV (adjustable) MIC 1, MIC 2: 1 mV (10 kohms)
--------	---

Outputs	LINE OUT: 200 mV VIDEO OUT: 1.0 Vp-p (75 ohms) SUPER WOOFER: 1.7 V SPEAKERS: accepts speakers of 6 ohms or more SURROUND SPEAKERS: accepts speakers of 16 ohms or more PHONES (stereo jack): accepts headphones of 32 ohms or more
---------	---

#### Cassette deck section

Track format	4 tracks, 2 channels stereo
Frequency response	CrO <sub>2</sub> tape: 50 Hz – 16000 Hz Normal tape: 50 Hz – 15000 Hz
Signal-to-noise ratio	60 dB (Dolby B NR ON, CrO <sub>2</sub> tape peak level)
Recording system	AC bias
Heads	DECK 1: Playback head $\times$ 1 DECK 2: Recording/playback/erase head $\times$ 1

#### Compact disc player section


Laser	Semiconductor laser ( $\lambda = 780$ nm)
D-A converter	16 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.03 % (1 kHz, 0 dB)
Wow and flutter	Unmeasurable
Video signal	PAL color format
Video data	MPEG 1
Audio data	MPEG 1, LAYER 2

### Speaker system SX-FNK600

Cabinet type	3 way, bass reflex with surround speaker (Magnetic sealed type)
Speaker	Woofer: 140 mm (5 <sup>5</sup> / <sub>8</sub> in.) cone type Tweeter: 80 mm (3 <sup>1</sup> / <sub>4</sub> in.) cone type Super tweeter: 50 mm (2 in.) ceramic type Surround speaker: 80 mm (3 <sup>1</sup> / <sub>4</sub> in.) cone type
Impedance	Front speaker: 6 ohms Surround speaker: 16 ohms
Output sound pressure level	87 dB/W/m
Dimensions (W $\times$ H $\times$ D)	206 $\times$ 302 $\times$ 260 mm (8 <sup>1</sup> / <sub>8</sub> $\times$ 12 $\times$ 10 <sup>1</sup> / <sub>4</sub> in.)
Weight	3.5 kg (7 lbs 11 oz.)

#### General

Power requirements	230 V AC, 50 Hz
Power consumption	200 W
Dimensions of main unit (W $\times$ H $\times$ D)	260 $\times$ 307 $\times$ 339.5 mm (10 <sup>1</sup> / <sub>4</sub> $\times$ 12 <sup>1</sup> / <sub>8</sub> $\times$ 13 <sup>3</sup> / <sub>8</sub> in.)
Weight of main unit	7.7 kg (17 lbs.)

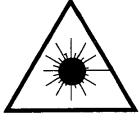
- Design and specifications are subject\* to change without notice.
- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

# 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!

Laitteen Käyttäminen muulla kuin tässä käyttöohjeessa mainituilla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylit-tävälle näkymättömälle lasersäteilylle.

## WARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvisning, kan användaren utsättas för osynlig laserstråling, 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

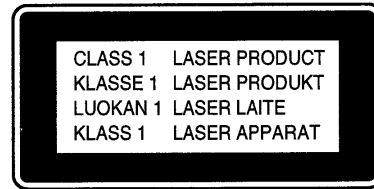
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

## 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.

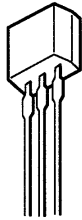


## TRANSISTOR ILLUSTRATION



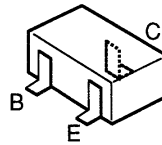
ECB

2SA952    2SC3266  
 2SA1296    2SC3331  
 2SA1318    2SD655  
 2SC1815    KTA1266  
 2SC2001    KTC3198  
 2SC2240

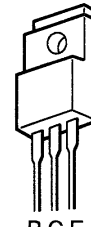


ECB

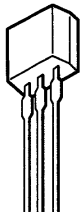
2SA933S  
 2SC1740S  
 DTA114YS



2SA1162    DTA144EK  
 2SC2712    DTA144WK  
 2SC2714    DTC114YK  
 2SC3326    DTC114EK  
 DTA143EK    DTC144WK

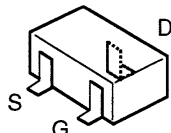


BCE  
 2SB1370



DGS

2SK365



S

G D  
 2SK543

# 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.	カンリ NO.	DESCRIPTION	REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
IC							
	87-020-454-010	IC, DN	6851		87-017-091-080		ZENER, HZS5C1
	85-NFT-615-010	IC, LC866432V			87-020-331-080		C-DIODE, DAN202K
	87-070-083-010	IC, GPIU281X			87-001-290-080		ZENER, HZS6B1L
	87-020-966-010	IC	STK4142-MK2<K, EZ>		87-020-330-080		C-DIODE, DAP202K
	87-001-582-010	IC, STK4152	2<HR, HK, TH>		87-001-559-080		DIODE, 1SS131
	87-070-121-010	IC, HA12185NT			87-017-148-080		ZENER, HZS6A1L
	87-070-232-010	IC, BA3834S			87-070-136-080		ZENER, MTZJ5.1B
	87-017-375-080	IC, TC4094BF			87-020-125-089		C-DIODE, 1SS181<HR, HK, TH>
	87-001-874-010	IC, HA12134A			87-020-465-089		DIODE, 1SS133<HR, HK, TH>
	87-017-673-010	IC, BA3837			87-020-027-089		C-DIODE, 1SS184<HR, HK, TH>
	87-017-374-010	IC, TC4094BP		MAIN C.B			
	87-017-022-080	IC, NJM	2068 M-D(T1)	C102	87-010-390-090		CAP ELECT 3300-25SME
	87-017-804-010	IC, BU4052BC		C104	87-010-235-080		CAP, E 470-16 SME
	87-070-184-040	IC, M65846FP-600D		C105	87-010-381-080		CAP, E 330-16 SME
	87-017-787-010	IC, M62412P		C106	87-010-764-080		CAP, E 47-63
	87-070-127-010	IC, LC72131		C107	87-010-406-080		CAP, E 22-50 SME
	87-017-714-010	IC, LA1836		C108	87-010-406-080		CAP, E 22-50 SME
	87-017-675-080	IC, M65840FP		C109	87-010-263-080		CAP, E 100-10
TRANSISTOR							
	87-026-463-080	TR, 2SA933S		C112	87-010-406-080		CAP, E 22-50 SME
	89-213-702-010	TR, 2SB1370E		C113	87-010-403-080		CAP, E 3.3-50 SME
	87-026-609-080	TR, KTA1266GR		C115	87-016-247-080		C-CAP, 0.1-50 F
	87-026-610-080	TR, KTC3198GR		C116	87-010-179-080		C-CAP, S 1200P-50 B
	89-327-125-080	C-TR, 2SC2712GR		C117	87-012-368-080		C-CAP S 0.1-50F
	89-332-665-080	TR, 2SC3266GR		C118	87-012-368-080		C-CAP S 0.1-50F
	89-111-625-080	C-TR, 2SA1162GR		C119	87-012-368-080		C-CAP S 0.1-50F
	89-113-187-880	TR, 2SA1318TU<HR, HK>		C126	87-016-055-090		CAP, E 3300-42 HI-R
	87-026-235-080	C-TR, DTC114EK		C127	87-016-055-090		CAP, E 3300-42 HI-R
	89-333-266-080	C-TR, 2SC3326B		C128	87-012-368-080		C-CAP S 0.1-50F
	87-026-211-080	C-TR, DTA144EK		C131	87-012-368-080		C-CAP S 0.1-50F
	87-026-232-080	C-TR, DTA144WK		C152	87-010-260-080		CAP, E 47-25 SME
	89-322-405-080	TR, 2SC2240GR		C201	87-010-197-080		C-CAP, S 0.01-25 B<K, EZ>
	87-026-226-080	C-TR, DTA143EK		C202	87-018-211-080		TC CAP U 0.01-50<K, EZ>
	89-503-655-680	FET, 2SK365GR/BL		C203	87-010-197-080		C-CAP, S 0.01-25 B<K, EZ>
	89-112-965-080	TR, 2SA1296GR		C204	87-018-211-080		TC CAP U 0.01-50<K, EZ>
	89-333-317-080	TR, 2SC3331 T		C213	87-010-401-080		CAP, E 1-50 SME
	89-327-126-080	C-TR, 2SC2712BL<K, EZ>		C214	87-010-401-080		CAP, E 1-50 SME
	89-109-521-080	TR, 2SA952K		C215	87-010-178-080		C-CAP, S 1000P-50 B
	89-406-555-080	TR, 2SD655E		C216	87-010-178-080		C-CAP, S 1000P-50 B
	87-026-238-080	C-TR, DTC144WK		C217	87-010-404-080		CAP, E 4.7-50 SME
	87-026-214-080	TR, DTA114YS		C218	87-010-404-080		CAP, E 4.7-50 SME
	89-327-143-080	TR, 2SC2714 (O)		C223	87-010-260-080		CAP, E 47-25 SME
	89-406-555-089	TR, 2SD655E<HR, HK, TH>		C224	87-010-260-080		CAP, E 47-25 SME
	89-318-154-089	TR, 2SC1815Y<HR, HK, TH>		C225	87-010-260-080		CAP, E 47-25 SME
	87-026-462-089	TR, 2SC1740S (RS)<HR, HK, TH>		C226	87-010-260-080		CAP, E 47-25 SME
	89-320-011-089	TR, 2SC2001K<HR, HK, TH>		C227	87-018-209-080		CAP, TC-U 0.1-50 F
	89-505-434-589	C-FET, 2SK543 (4/5)<HR, HK, TH>		C228	87-018-209-080		CAP, TC-U 0.1-50 F
	89-318-155-089	TR, 2SC1815GR<HR, HK, TH>		C231	87-010-196-080		C-CAP, S 0.1-25 F
	89-505-434-580	C-FET, 2SK543 (4/5)<K, EZ>		C235	87-010-318-080		C-CAP, S 47P-50 CH<K, EZ>
	87-026-214-089	TR, DTA114YS<HR, HK, TH>		C236	87-010-318-080		C-CAP, S 47P-50 CH<K, EZ>
DIODE							
	87-017-978-080	DIODE, 1N4003		C237	87-012-342-089		C-CAP, 0.15<K, EZ>
	87-020-027-080	C-DIODE, 1SS184		C243	87-010-154-080		C-CAP, S 10P-50 CH
	87-020-125-080	C-DIODE, 1SS181		C244	87-015-879-080		C-CAP, 10P CH
	87-020-465-080	DIODE, 1SS133		C245	87-018-208-080		CAP, TC-U 0.047-50 F<HR, HK, TH>
	87-017-174-080	ZENER, HZS11A3L		C250	87-010-197-080		C-CAP, S 0.01-25 B
	87-070-150-080	ZENER, MTZJ33D		C251	87-010-386-080		CAP, E 330-25 SME
	87-002-225-010	DIODE DBF 40C-K10		C303	87-012-157-080		C-CAP, S 330P-50 CH
	87-020-691-080	DIODE, 1SS132		C304	87-012-157-080		C-CAP, S 330P-50 CH
	87-002-608-080	DIODE, DSF10TC		C305	87-012-155-080		C-CAP, S 180P-50 CH
	87-001-731-080	ZENER, HZS6C2L		C306	87-012-155-080		C-CAP, S 180P-50 CH
				C307	87-010-197-080		C-CAP, S 0.01-25 B
				C308	87-010-197-080		C-CAP, S 0.01-25 B
				C313	87-010-181-080		C-CAP, S 1800P-50 B
				C314	87-010-181-080		C-CAP, S 1800P-50 B
				C315	87-010-179-080		C-CAP, S 1200P-50 B
				C316	87-010-179-080		C-CAP, S 1200P-50 B
				C317	87-012-142-080		C-CAP, S 0.33-16 F

REF. NO.	PART NO.	カンリ NO.	DESCRIPTION	REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
C318	87-010-955-080		C-CAP, 0.33-16 R	C602	87-010-404-080		CAP, E 4.7-50 SME
C319	87-012-141-080		C-CAP, S 0.22-16 F	C641	87-010-196-080		C-CAP, S 0.1-25 F
C320	87-012-141-080		C-CAP, S 0.22-16 F	C642	87-010-196-080		C-CAP, S 0.1-25 F
C321	87-010-196-080		C-CAP, S 0.1-25 F	C701	87-010-381-080		CAP, E 330-16 SME
C322	87-010-196-080		C-CAP, S 0.1-25 F	C702	87-010-404-080		CAP, E 4.7-50 SME
C324	87-010-260-080		CAP, E 47-25 SME	C703	87-010-197-080		C-CAP, S 0.01-25 B
C325	87-010-370-080		CAP, E 330-6.3 SME	C704	87-010-197-080		C-CAP, S 0.01-25 B
C326	87-010-196-080		C-CAP, S 0.1-25 F<HR, HK, TH>	C711	87-010-263-080		CAP, E 100-10
C332	87-010-196-080		C-CAP, S 0.1-25 F	C712	87-010-196-080		C-CAP, S 0.1-25 F
C335	87-010-805-080		C-CAP, S 1-16 F	C722	87-010-311-080		C-CAP, S 12P-50 CH
C336	87-010-805-080		C-CAP, S 1-16 F	C723	87-010-178-080		C-CAP, S 1000P-50 B
C351	87-012-154-080		C-CAP, S 150P-50 CH	C725	87-010-178-080		C-CAP, S 1000P-50 B
C352	87-012-154-080		C-CAP, S 150P-50 CH	C727	87-010-196-080		C-CAP, S 0.1-25 F
C451	87-012-140-080		C-CAP, S 470P-50 CH	C728	87-010-248-080		CAP, E 220-10 SME
C452	87-012-140-080		C-CAP, S 470P-50 CH	C732	87-018-211-080		TC CAP U 0.01-50<K, EZ>
C453	87-010-178-080		C-CAP, S 1000P-50 B	C770	87-010-405-080		CAP, E 10-50 SME
C454	87-010-178-080		C-CAP, S 1000P-50 B<K, EZ>	C771	87-010-405-080		CAP, E 10-50 SME
C454	87-010-175-080		C-CAP, S 560P-50 SL<HR, HK, TH>	C772	87-010-194-080		C-CAP, S 0.047-25 F
C455	87-010-178-080		C-CAP, S 1000P-50 B<K, EZ>	C773	87-010-196-080		C-CAP, S 0.1-25 F
C455	87-010-175-080		C-CAP, S 560P-50 SL<HR, HK, TH>	C774	87-010-263-080		CAP, E 100-10
C456	87-010-260-080		CAP, E 47-25 SME	C775	87-010-405-080		CAP, E 10-50 SME
C457	87-010-197-080		C-CAP, S 0.01-25 B	C776	87-010-197-080		C-CAP, S 0.01-25 B<K, EZ>
C458	87-010-183-080		C-CAP, S 2700P-50 B	C777	87-010-400-080		CAP, E 0.47-50 SME
C459	87-010-183-080		C-CAP, S 2700P-50 B	C778	87-010-401-080		CAP, E 1-50 SME
C460	87-010-183-080		C-CAP, S 2700P-50 B	C779	87-010-401-080		CAP, E 1-50 SME
C470	87-010-196-080		C-CAP, S 0.1-25 F	C780	87-010-197-080		C-CAP, S 0.01-25 B
C501	87-010-177-080		C-CAP, S 820P-50 SL	C781	87-010-405-080		CAP, E 10-50 SME
C502	87-010-177-080		C-CAP, S 820P-50 SL	C782	87-010-405-080		CAP, E 10-50 SME
C503	87-012-155-080		C-CAP, S 180P-50 CH	C787	87-010-184-080		C-CAP, S 3300P-50 B
C504	87-012-155-080		C-CAP, S 180P-50 CH	C788	87-010-184-080		C-CAP, S 3300P-50 B
C515	87-010-545-080		CAP, E 0.22-50 SME	C789	87-010-179-080		C-CAP, S 1200P-50 B
C516	87-010-545-080		CAP, E 0.22-50 SME	C790	87-010-179-080		C-CAP, S 1200P-50 B
C519	87-010-196-080		C-CAP, S 0.1-25 F	C791	87-010-401-080		CAP, E 1-50 SME
C521	87-010-197-080		C-CAP, S 0.01-25 B	C792	87-010-180-080		C-CAP, S 1500P-50 B<HR, HK, TH>
C522	87-010-318-080		C-CAP, S 47P-50 CH	C792	87-010-182-080		C-CAP, S 2200P-50 B<K, EZ>
C523	87-010-197-080		C-CAP, S 0.01-25 B	C793	87-010-189-080		C-CAP, S 8200P-50 B
C524	87-010-402-080		CAP, E 2.2-50 SME	C794	87-010-408-080		CAP, E 47-50 SME
C530	87-010-194-080		C-CAP, S 0.047-25 F	C795	87-010-194-080		C-CAP, S 0.047-25 F
C531	87-010-545-080		CAP, E 0.22-50 SME	C796	87-010-403-080		CAP, E 3.3-50 SME
C532	87-010-382-080		CAP, E 22-25 SME	C797	87-010-405-080		CAP, E 10-50 SME<K, EZ>
C533	87-010-404-080		CAP, E 4.7-50 SME	C798	87-010-196-080		C-CAP, S 0.1-25 F<K, EZ>
C534	87-010-404-080		CAP, E 4.7-50 SME	C812	87-018-134-080		CAP, TC-U 0.01-16 Y<HR, HK, TH>
C535	87-010-404-080		CAP, E 4.7-50 SME	C815	87-018-134-080		CAP, TC-U 0.01-16 Y<HR, HK, TH>
C536	87-010-404-080		CAP, E 4.7-50 SME	C816	87-018-211-080		TC CAP U 0.01-50<K, EZ>
C537	87-018-209-080		CAP, TC-U 0.1-50 F	C817	87-010-197-080		C-CAP, S 0.01-25 B
C538	87-010-384-080		CAP, E 100-25 SME	C818	87-010-197-080		C-CAP, S 0.01-25 B
C539	87-010-196-080		C-CAP, S 0.1-25 F	C819	87-010-197-080		C-CAP, S 0.01-25 B
C540	87-010-196-080		C-CAP, S 0.1-25 F	C820	87-010-260-080		CAP, E 47-25 SME
C541	87-010-196-080		C-CAP, S 0.1-25 F	C821	87-010-197-080		C-CAP, S 0.01-25 B
C543	87-010-544-080		CAP, E 0.1-50<K, EZ>	C822	87-010-197-080		C-CAP, S 0.01-25 B
C543	87-010-546-080		CAP, E 0.33-50 SME<HR, HK, TH>	C823	87-010-197-080		C-CAP, S 0.01-25 B
C544	87-010-544-080		CAP, E 0.1-50<K, EZ>	C824	87-018-209-080		CAP, TC-U 0.1-50 F<K, EZ>
C544	87-010-546-080		CAP, E 0.33-50 SME<HR, HK, TH>	C825	87-015-819-080		C-CAP, 0.01-50 B K<K, EZ>
C545	87-010-400-080		CAP, E 0.47-50 SME	C826	87-010-196-080		C-CAP, S 0.1-25 F
C546	87-010-400-080		CAP, E 0.47-50 SME	C827	87-010-196-080		C-CAP, S 0.1-25 F
C547	87-010-426-080		C-CAP, S 0.012-25 B<HR, HK, TH>	C828	87-010-197-080		C-CAP, S 0.01-25 B<K, EZ>
C547	87-010-428-080		C-CAP, S 0.015-25 B<K, EZ>	C829	87-010-197-080		C-CAP, S 0.01-25 B<K, EZ>
C548	87-010-426-080		C-CAP, S 0.012-25 B<HR, HK, TH>	C830	87-015-819-080		C-CAP, 0.01-50 B K
C548	87-010-428-080		C-CAP, S 0.015-25 B<K, EZ>	C831	87-010-197-080		C-CAP, S 0.01-25 B
C549	87-018-209-080		CAP, TC-U 0.1-50 F	C832	87-010-197-080		C-CAP, S 0.01-25 B<HR, HK, TH>
C550	87-010-183-080		C-CAP, S 2700P-50 B	C833	87-010-197-080		C-CAP, S 0.01-25 B<HR, HK, TH>
C553	87-010-182-080		C-CAP, S 2200P-50 B<K, EZ>	C835	87-010-197-080		C-CAP, S 0.01-25 B
C553	87-010-183-080		C-CAP, S 2700P-50 B<HR, HK, TH>	C840	87-010-197-080		C-CAP, S 0.01-25 B<K, EZ>
C554	87-010-182-080		C-CAP, S 2200P-50 B<K, EZ>	C850	87-018-134-080		CAP, TC-U 0.01-16 Y<K, EZ>
C554	87-010-183-080		C-CAP, S 2700P-50 B<HR, HK, TH>	C901	87-010-545-080		CAP, E 0.22-50 SME
C557	87-010-178-080		C-CAP, S 1000P-50 B	C902	87-010-178-080		C-CAP, S 1000P-50 B
C558	87-010-178-080		C-CAP, S 1000P-50 B	C903	87-010-178-080		C-CAP, S 1000P-50 B
C597	87-010-404-080		CAP, E 4.7-50 SME	C904	87-010-184-080		C-CAP, S 3300P-50 B
C598	87-010-404-080		CAP, E 4.7-50 SME	C905	87-010-177-080		C-CAP, S 820P-50 SL
C601	87-010-404-080		CAP, E 4.7-50 SME	C906	87-010-178-080		C-CAP, S 1000P-50 B

REF. NO.	PART NO.	カンリ NO.	DESCRIPTION	REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
C907	87-010-185-080		C-CAP,S 3900P-50 B	VR651	82-NF5-660-010		VR,50KBX2 RK14K12A
C909	87-010-175-080		C-CAP,S 560P-50 SL	W101	85-NF5-628-010		F-CABLE,7P-2.5
C910	87-010-176-080		C-CAP,S 680P-50 SL	W102	85-NF5-617-010		CABLE,FPC 6P-1.25
C911	87-010-196-080		C-CAP,S 0.1-25 F	X703	84-508-618-010		VIB,CER CSB 456 F15
C918	87-010-186-080		C-CAP,S 4700P-50 B	X721	87-030-163-010		VIB,XTAL 7.2MHZ<K,EZ>
C920	87-010-408-080		CAP,E 47-50 SME	X721	87-030-278-080		VIB,XTAL 7.2MHZ,S<HR,HK,TH>
C921	87-010-247-080		CAP,E 100-50 SME	X722	87-030-354-010		VIB,CF BFU450C<HR,HK,TH>
C922	87-010-196-080		C-CAP,S 0.1-25 F	X901	87-030-348-080		VIB,CER 16.0MHZ CST
C923	87-010-316-080		C-CAP,S 33P-50 CH				
C924	87-010-154-080		C-CAP,S 10P-50 CH				
C925	87-018-209-080		CAP,TC-U 0.1-50 F				
C927	87-010-197-080		C-CAP,S 0.01-25 B				
C941	87-010-197-080		C-CAP,S 0.01-25 B<K,EZ>	C201	87-010-404-040		CAP,E 4.7-50 SME
C942	87-010-311-080		C-CAP,S 12P-50 CH<K,EZ>	C202	87-010-404-040		CAP,E 4.7-50 SME
C944	87-010-154-080		C-CAP,S 10P-50 CH<K,EZ>	C203	87-010-408-040		CAP,E 47-50 SME
C945	87-012-154-080		C-CAP,S 150P-50 CH	C204	87-010-401-040		CAP,E 1-50 SME
C946	87-014-050-080		CAP,PP 510P-100 J<K,EZ>	C205	87-010-555-040		CAP,E 100-10 GAS
C947	87-010-401-080		CAP,E 1-50 SME	C206	87-010-550-040		CAP,E 100-6.3 GAS
C948	87-010-196-080		C-CAP,S 0.1-25 F<K,EZ>	C207	87-010-494-040		CAP,E 1-50 GAS
C949	87-010-197-080		C-CAP,S 0.01-25 B<K,EZ>	C208	87-010-196-080		C-CAP,S 0.1-25 F
C951	87-010-401-080		CAP,E 1-50 SME<K,EZ>	C209	87-010-550-040		CAP,E 100-6.3 GAS
C983	87-010-544-080		CAP,E 0.1-50<K,EZ>	C212	87-010-560-040		CAP,E 10-50 GAS
C987	87-015-819-080		C-CAP,0.01-50 B K	C213	87-010-196-080		C-CAP,S 0.1-25 F
C988	87-016-247-080		C-CAP,0.1-50 F	C214	87-010-196-080		C-CAP,S 0.1-25 F
C990	87-010-197-080		C-CAP,S 0.01-25 B<K,EZ>	C215	87-010-196-080		C-CAP,S 0.1-25 F
C993	87-010-197-080		C-CAP,S 0.01-25 B	C220	87-010-317-080		C-CAP,S 39P-50 CH
C995	87-010-197-080		C-CAP,S 0.01-25 B	C221	87-010-315-080		C-CAP,S 27P-50 CH
CF801	87-008-423-010		CF,SFE10.7MS3GA<K,EZ>	C222	87-010-318-080		C-CAP,S 47P-50 CH
CF801	87-008-261-010		FLTR,SFE10.7MA5-A<HR,HK,TH>	C223	87-010-178-080		C-CAP,S 1000P-50 B
CF802	87-785-747-010		FLTR,CPAZ-450 2NT<K,EZ>	C250	87-010-178-080		C-CAP,S 1000P-50 B
CF802	87-008-261-010		FLTR,SFE10.7MA5-A<HR,HK,TH>	C381	87-010-196-080		C-CAP,S 0.1-25 F
FFE801	85-NF5-605-010		FE PACK 2 EX<HR,HK,TH>	C382	87-010-196-080		C-CAP,S 0.1-25 F
FFE802	85-NF5-604-010		FE PACK (AL)<K,EZ>	C383	87-010-196-080		C-CAP,S 0.1-25 F
J250	87-099-678-010		JACK,6.3W/S BLK	C384	87-010-196-080		C-CAP,S 0.1-25 F
J253	87-009-621-010		JACK PIN 1P BLK<HR,HK,TH>	C385	87-010-322-080		C-CAP,S 100P-50 CH
J253	87-099-802-010		JACK PIN 3P BRW<K,EZ>	C389	87-010-196-080		C-CAP,S 0.1-25 F
J254	87-033-227-010		TERMINAL,SP 4P R(Z)*	C401	87-010-196-080		C-CAP,S 0.1-25 F
J652	87-099-625-010		JACK PIN 4P,RVS (KM)	C402	87-010-196-080		C-CAP,S 0.1-25 F
J801	87-033-230-010		ANT TERM ,ANT AJ-2016<K,EZ>	C501	87-010-060-080		CAP,E 100-16 7L
J801	82-NF5-621-010		ANT TERM JBT0222<HR,HK,TH>	C601	87-010-405-040		CAP,E 10-50 SME
L201	87-003-383-010		COIL,1UH-S<K,EZ>	C602	87-010-176-080		C-CAP,S 680P-50 SL
L202	87-003-383-010		COIL,1UH-S<K,EZ>	C603	87-010-196-080		C-CAP,S 0.1-25 F
L403	87-007-341-010		COIL,TRAP 85K	C605	87-010-319-080		C-CAP,S 56P-50 CH
L404	87-007-341-010		COIL,TRAP 85K	C606	87-010-494-040		CAP,E 1-50 GAS
L451	87-007-336-010		COIL,OSC 85K BIAS	C607	87-010-196-080		C-CAP,S 0.1-25 F
L701	81-631-643-010		COIL 1 POLE MPX	C608	87-010-322-080		C-CAP,S 100P-50 CH
L702	81-631-643-010		COIL 1 POLE MPX	C609	87-010-491-040		CAP,E 0.22-50 GAS
L741	87-006-253-010		COIL,FM DET N	C610	87-012-155-080		C-CAP,S 180P-50 CH
L742	81-631-612-010		CFMT' 450A<HR,HK,TH>	C611	87-010-406-040		CAP,E 22-50 SME
L742	82-NT1-659-010		FLTR,CPAZ-450 2NT<K,EZ>	C614	87-010-555-040		CAP,E 100-10 GAS
L770	87-003-102-080		COIL,10UH	C615	87-010-405-040		CAP,E 10-50 SME
L832	87-003-098-080		COIL,2.2UH	C616	87-018-209-080		CAP,TC-U 0.1-50 F
L941	87-006-208-010		COIL,ANT LW<K,EZ>	C622	87-016-247-080		C-CAP,0.1-50F
L942	87-007-305-010		COIL,OSC LW<K,EZ>	C646	87-010-196-080		C-CAP,S 0.1-25 F
L981	81-MX4-619-010		AM PACK 4<K,EZ>	C647	87-010-180-080		C-CAP,S 1500P-50 B
R105	87-022-050-080		RES,M/F 0.22-1W	C648	87-012-156-080		C-CAP,S 220P-50 CH
R106	87-022-050-080		RES,M/F 0.22-1W	C650	87-010-152-080		C-CAP,S 8P-50 CH
RY101	87-045-361-010		RELAY,DH12D2-OS(M)-2	C651	87-010-152-080		C-CAP,S 8P-50 CH
RY102	87-045-382-010		RELAY,0UAZ-SH-112L	C653	87-012-358-080		C-CAP,S 0.47-10FZ
SFR301	87-024-174-080		SFR,33K DIA6 V	C654	87-010-178-080		C-CAP,S 1000P-50 B
SFR302	87-024-174-080		SFR,33K DIA6 V	C656	87-010-196-080		C-CAP,S 0.1-25 F
SFR303	87-024-174-080		SFR,33K DIA6 V	C657	87-010-555-040		CAP,E 100-10 GAS
SFR304	87-024-174-080		SFR,33K DIA6 V	C659	87-010-184-080		C-CAP,S 3300P-50 B
SFR305	87-024-175-080		SFR,47K DIA6 V	C660	87-010-426-080		C-CAP,S 0.012-25 B
SFR306	87-024-175-080		SFR,47K DIA6 V	C661	87-012-358-080		C-CAP,S 0.47-10FZ
SFR451	87-024-175-080		SFR,47K DIA6 V	C663	87-010-555-040		CAP,E 100-10 GAS
SFR452	87-024-175-080		SFR,47K DIA6 V	C664	87-012-141-080		C-CAP,S 0.22-16 F
SFR722	87-024-171-080		SFR 4.7K DIA6 V	C666	87-010-179-080		C-CAP,S 1200P-50 B
TC701	87-011-253-080		TRIMER,30P LAR	C667	87-010-177-080		C-CAP,S 820P-50 SL
TC942	87-011-253-080		TRIMER,30P LAR	C669	87-010-497-040		CAP,E 4.7-35 GAS
				C670	87-010-497-040		CAP,E 4.7-35 GAS
				C671	87-010-426-080		C-CAP,S 0.012-25 B



REF. NO.	PART NO.	カンリ NO.	DESCRIPTION	REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
C672	87-018-209-080		CAP,TC-U 0.1-50 F	VR600	83-NM1-627-010		VR,10KB RK11K1130
C701	87-012-158-089		C-CAP,S 390P	VR601	81-MX4-637-010		VR,10KA RK11K1130
C702	87-012-158-089		C-CAP,S 390P	W103	85-NF5-617-010		CABLE,FFC 6P-1.25
C710	87-010-553-040		CAP,E 47-16 GAS	W104	85-NF5-615-010		CABLE,FFC 15P-1.25
C711	87-010-194-080		C-CAP,S 0.047-25 F	W105	85-NF5-616-010		CABLE,FFC 6P-1.25
C712	87-010-194-080		C-CAP,S 0.047-25 F	X201	87-030-376-080		VIB,CER CSA5.76MG200
C713	87-010-195-080		C-CAP,S 0.068-25 F				
C714	87-010-195-080		C-CAP,S 0.068-25 F				
C715	87-010-186-080		C-CAP,S 4700P-50 B				
C716	87-010-186-080		C-CAP,S 4700P-50 B	MVR C.B			
C717	87-010-497-040		CAP,E 4.7-35 GAS	C731	87-010-322-080		C-CAP,S 100P-50 CH
C718	87-010-497-040		CAP,E 4.7-35 GAS	C732	87-010-322-080		C-CAP,S 100P-50 CH
C721	87-010-495-040		CAP,E 2.2-50 GAS	C735	87-010-402-040		CAP,E 2.2-50 SME
C722	87-010-495-040		CAP,E 2.2-50 GAS	C736	87-010-402-040		CAP,E 2.2-50 SME
FB100	87-008-372-080		FLTR,EMI BL 01RN1	C737	87-010-374-040		CAP,E 47-10
FL101	85-NF6-601-010		FL,BJ362GK	C738	87-010-374-040		CAP,E 47-10
J601	82-NF7-630-010		JACK,3.5 MO	C741	87-010-198-080		C-CAP,S 0.022-25 B
J621	82-NF7-630-010		JACK,3.5 MO	C745	87-016-073-040		CAP,E 1-50 FX
L650	87-005-487-080		COLL,150UH J FLR50	C746	87-016-073-040		CAP,E 1-50 FX
LED401	87-070-281-080		LED,SLZ736A-25-S-T1	C747	87-010-401-040		CAP,E 1-50 SME
LED402	87-070-281-080		LED,SLZ736A-25-S-T1	C748	87-010-401-040		CAP,E 1-50 SME
LED403	87-070-281-080		LED,SLZ736A-25-S-T1	C750	87-010-381-080		CAP,E 330-16 SME
LED404	87-070-281-080		LED,SLZ736A-25-S-T1	C751	87-010-401-040		CAP,E 1-50 SME
LED405	87-070-281-080		LED,SLZ736A-25-S-T1	C752	87-010-401-040		CAP,E 1-50 SME
LED406	87-070-281-080		LED,SLZ736A-25-S-T1	C757	87-010-404-040		CAP,E 4.7-50 SME
LED407	87-070-199-080		LED,SLP738F-81-S-T1	C773	87-010-545-080		CAP,E 0.22-50 SME
LED408	87-070-199-080		LED,SLP738F-81-S-T1	C777	87-010-403-080		CAP,E 3.3-50 SME
LED409	87-070-199-080		LED,SLP738F-81-S-T1	C778	87-010-403-080		CAP,E 3.3-50 SME
LED410	87-070-199-080		LED,SLP738F-81-S-T1	C797	87-010-402-040		CAP,E 2.2-50 SME
LED411	87-070-199-080		LED,SLP738F-81-S-T1	MVR741	85-NF6-608-010		VR,50KBX2 W/S (M)
LED412	87-070-199-080		LED,SLP738F-81-S-T1	KEY C.B			
LED413	87-070-199-080		LED,SLP738F-81-S-T1	LED415	87-070-197-080		LED,SLP7118C-51-S-T1<K,EZ>
LED414	87-070-199-080		LED,SLP738F-81-S-T1	LED415	87-070-201-080		LED,SLP9118C-51-S-T1<HR,HK,TH>
LED420	87-070-201-080		LED,SLP9118C-51-S-T1	LED416	87-070-197-080		LED,SLP7118C-51-S-T1<K,EZ>
LED421	87-070-201-080		LED,SLP9118C-51-S-T1	LED416	87-070-201-080		LED,SLP9118C-51-S-T1<HR,HK,TH>
LED422	87-070-201-080		LED,SLP9118C-51-S-T1	LED417	87-070-197-080		LED,SLP7118C-51-S-T1<K,EZ>
LED423	87-070-201-080		LED,SLP9118C-51-S-T1	LED417	87-070-201-080		LED,SLP9118C-51-S-T1<HR,HK,TH>
LED437	87-070-278-010		LED,SLZ-738A-24-S	S349	87-036-397-080		SW,TACT SKQNAB
LED438	87-070-290-010		LED,SLZ936C-30-S	S350	87-036-397-080		SW,TACT SKQNAB
LED439	87-070-278-010		LED,SLZ-738A-24-S	S351	87-036-397-080		SW,TACT SKQNAB
LED440	87-070-278-010		LED,SLZ-738A-24-S	S352	87-036-397-080		SW,TACT SKQNAB
LED441	87-070-290-010		LED,SLZ936C-30-S	S353	87-036-397-080		SW,TACT SKQNAB
LED442	87-070-278-010		LED,SLZ-738A-24-S	AC2 C.B			
S301	87-036-397-080		SW,TACT SKQNAB	△PR101	87-026-681-080		PROTECTOR,5A 60V 491
S302	87-036-397-080		SW,TACT SKQNAB	△PR102	87-026-681-080		PROTECTOR,5A 60V 491<HR,HK,TH>
S303	87-036-397-080		SW,TACT SKQNAB	△PR103	87-026-681-080		PROTECTOR,5A 60V 491<HR,HK,TH>
S304	87-036-397-080		SW,TACT SKQNAB	△PT101	85-NFT-632-010		PT,EZK<K,EZ>
S305	87-036-397-080		SW,TACT SKQNAB	△PT101	85-NFT-631-010		PT,HR<HR,HK,TH>
S306	87-036-397-080		SW,TACT SKQNAB	R101	87-022-050-080		RES,M/F 0.22-1W<K,EZ>
S307	87-036-397-080		SW,TACT SKQNAB	R102	87-022-050-080		RES,M/F 0.22-1W<K,EZ>
S321	87-036-397-080		SW,TACT SKQNAB	AC1 C.B<HR,HK,TH>			
S322	87-036-397-080		SW,TACT SKQNAB	△	87-033-147-010		CLAMP,FUSE<HR,HK,TH>
S323	87-036-397-080		SW,TACT SKQNAB	△	82-304-743-010		TERMINAL,1P<HR,HK,TH>
S324	87-036-397-080		SW,TACT SKQNAB	△F101	87-035-365-010		FUSE,2A 250V T E<HR,HK,TH>
S325	87-036-397-080		SW,TACT SKQNAB	△SW101	87-036-387-010		SW,SL 1-2-3<HR,HK,TH>
S326	87-036-397-080		SW,TACT SKQNAB	S.WAVE C.B<HR,HK,TH>			
S327	87-036-215-080		SW,TACT EVQ-21404M	C951	87-010-197-089		C-CAP,S 0.01-25 B<HR,HK,TH>
S328	87-036-215-080		SW,TACT EVQ-21404M	C952	87-010-197-089		C-CAP,S 0.01-25 B<HR,HK,TH>
S329	87-036-215-080		SW,TACT EVQ-21404M	C953	87-010-197-089		C-CAP,S 0.01-25 B<HR,HK,TH>
S330	87-036-397-080		SW,TACT SKQNAB	C954	87-010-263-089		CAP,E 100-10<HR,HK,TH>
S331	87-036-397-080		SW,TACT SKQNAB	C955	87-010-154-089		C-CAP,S 10P-50 CH<HR,HK,TH>
S332	87-036-397-080		SW,TACT SKQNAB	C956	87-010-197-089		C-CAP,S 0.01-25 B<HR,HK,TH>
S341	87-036-397-080		SW,TACT SKQNAB	C957	87-010-197-089		C-CAP,S 0.01-25 B<HR,HK,TH>
S342	87-036-397-080		SW,TACT SKQNAB	C959	87-010-196-089		C-CAP,S 0.1-25 F<HR,HK,TH>
S343	87-036-397-080		SW,TACT SKQNAB	C961	87-014-051-089		CAP,PP 560P-100 J<HR,HK,TH>
S344	87-036-397-080		SW,TACT SKQNAB	C962	87-014-073-089		CAP,PP 4700P-100 J<HR,HK,TH>
S345	87-036-397-080		SW,TACT SKQNAB				
S346	87-036-397-080		SW,TACT SKQNAB				
S347	87-036-397-080		SW,TACT SKQNAB				
S348	87-036-397-080		SW,TACT SKQNAB				

REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
C963	87-010-311-089		C-CAP, S 12P-50 CH<HR, HK, TH>
C964	87-010-313-089		C-CAP, S 18P-50 CH<HR, HK, TH>
C965	87-010-186-089		C-CAP, S 4700P-50 B<HR, HK, TH>
C966	87-010-263-089		CAP, E 100-10<HR, HK, TH>
C974	87-010-196-089		C-CAP, S 0.1-25 F<HR, HK, TH>
C976	87-010-400-089		CAP, E 0.47-50 SME<HR, HK, TH>
D958	87-017-568-089		VARI-CAP, SVC 342 M/L<HR, HK, TH>
L951	87-006-316-019		COIL, ANT MW(SGB)<HR, HK, TH>
L952	87-006-255-019		COIL, ANT SW1(SG7)<HR, HK, TH>
L953	87-006-256-019		COIL, ANT SW2(SG7)<HR, HK, TH>
L954	87-005-372-089		COIL S 1 MH TAPG<HR, HK, TH>
L955	87-005-372-089		COIL S 1 MH TAPG<HR, HK, TH>
L956	87-007-326-019		COIL, OSC MW(SG)<HR, HK, TH>
L957	87-007-327-019		COIL, OSC SW1(SG)<HR, HK, TH>
L958	87-007-332-019		COIL, OSC SW2(SG7)<HR, HK, TH>
TC951	87-011-220-089		CAP TRIMMER 20P VCT<HR, HK, TH>
TC952	87-011-221-089		TRIMER. 30P VCT51<HR, HK, TH>
TC953	87-011-221-089		TRIMER. 30P VCT51<HR, HK, TH>

DECK C.B

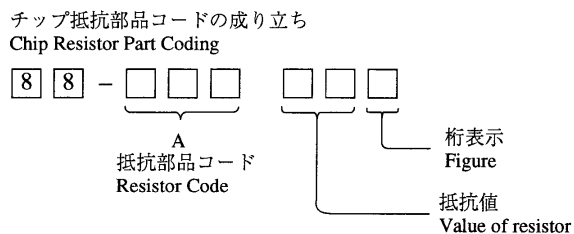
	82-ZM1-625-019	RBN-CORD, 4P-55
CON501	87-099-756-019	CONN, 15P 9604S F
SFR1	87-024-581-010	SFR, 3.3K DIA 6H
SOL1	82-ZM1-618-310	SOL ASSY, 27
SOL2	82-ZM1-626-010	SOL ASSY, 27K
SW1	87-036-378-010	SW, PUSH 1-1-1 SH2
SW2	87-036-378-010	SW, PUSH 1-1-1 SH2
SW3	87-036-378-010	SW, PUSH 1-1-1 SH2
SW4	87-036-378-010	SW, PUSH 1-1-1 SH2
SW5	87-036-378-010	SW, PUSH 1-1-1 SH2
SW6	87-036-378-010	SW, PUSH 1-1-1 SH2
SW8	87-036-378-010	SW, PUSH 1-1-1 SH2
SW9	87-036-378-010	SW, PUSH 1-1-1 SH2

HEAD-1 C.B

HEAD-2 C.B

CON351	83-NEG-608-010	CONN ASSY 8P-RPB
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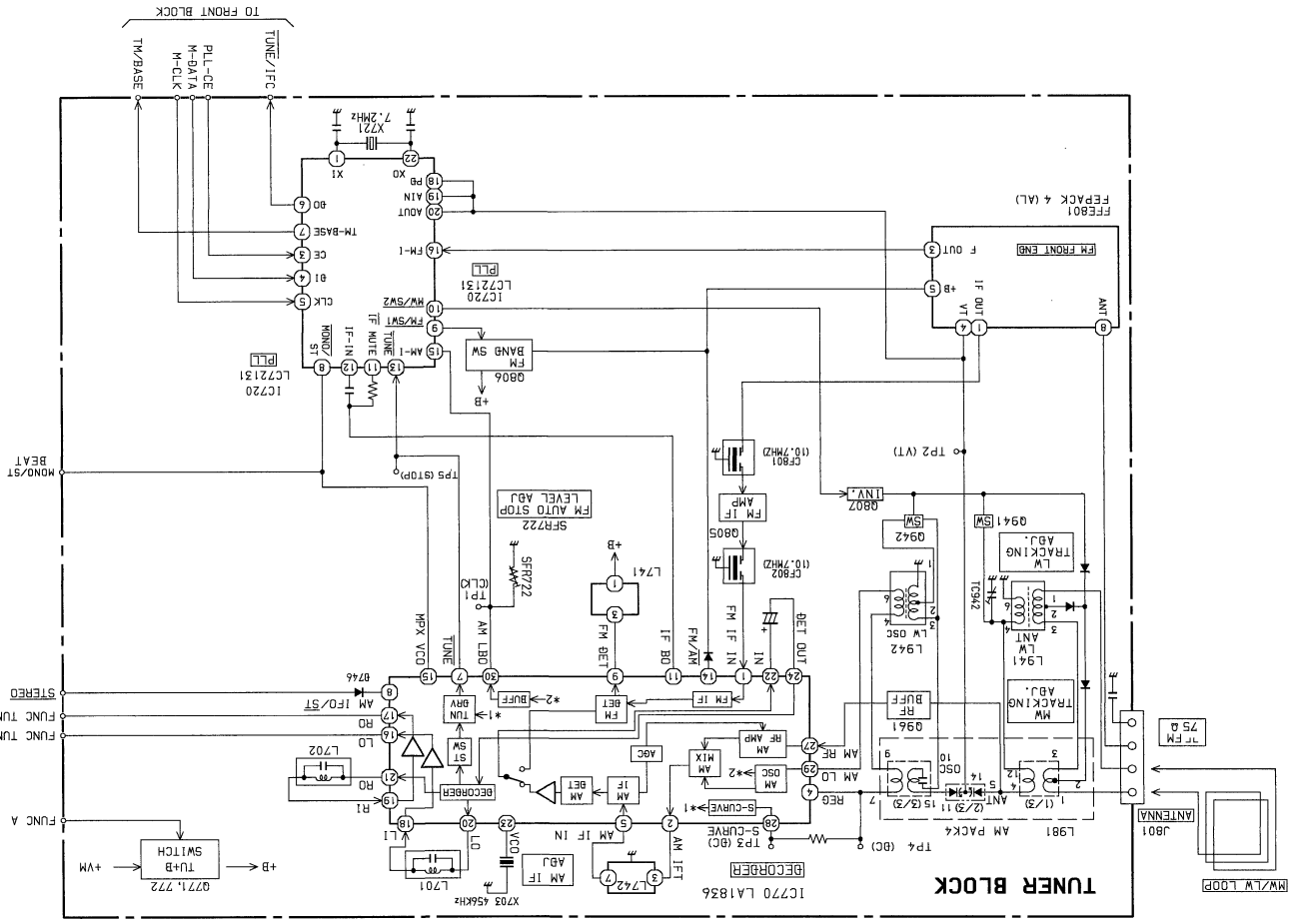
○ チップ抵抗部品コード / CHIP RESISTOR PART CODE



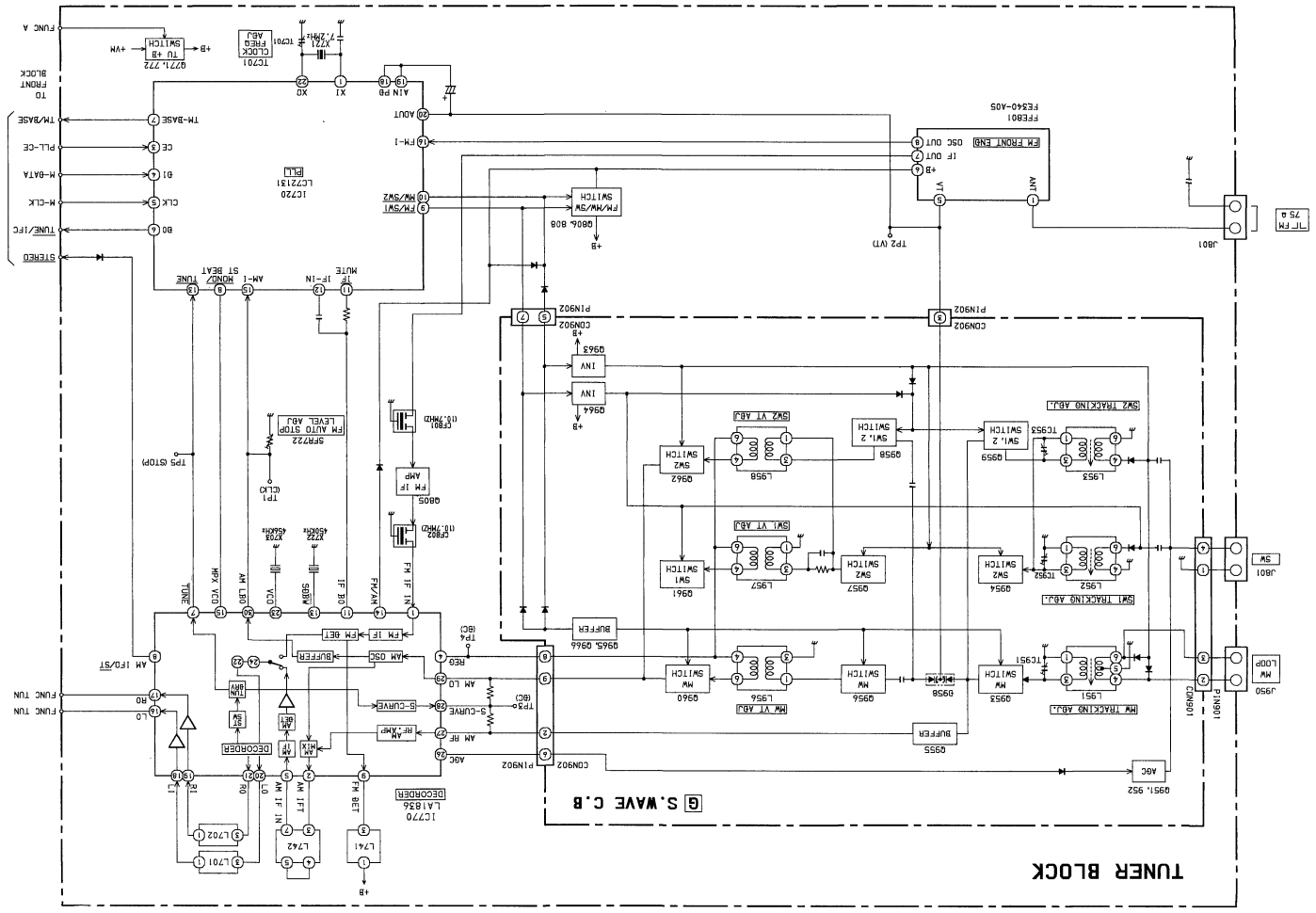
チップ抵抗  
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法 / Dimensions (mm)			抵抗コード : A Resistor Code: A	
				外形 / Form	L	W		t
1/16W	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

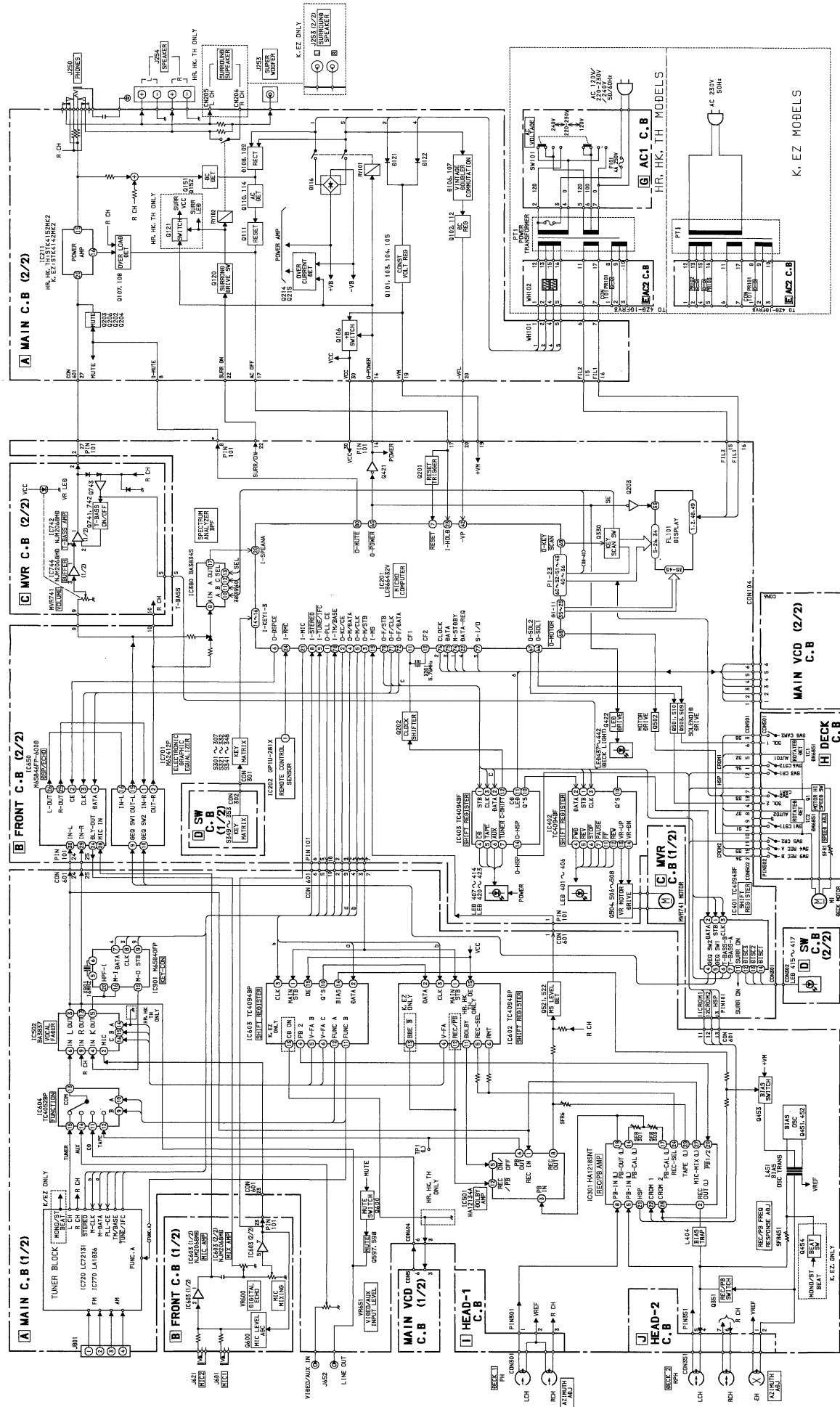
BLOCK DIAGRAM-2 (TUNER: EZ)



BLOCK DIAGRAM-1 (TUNER: HR, HK, TH)



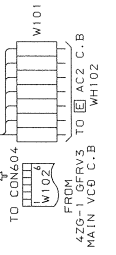
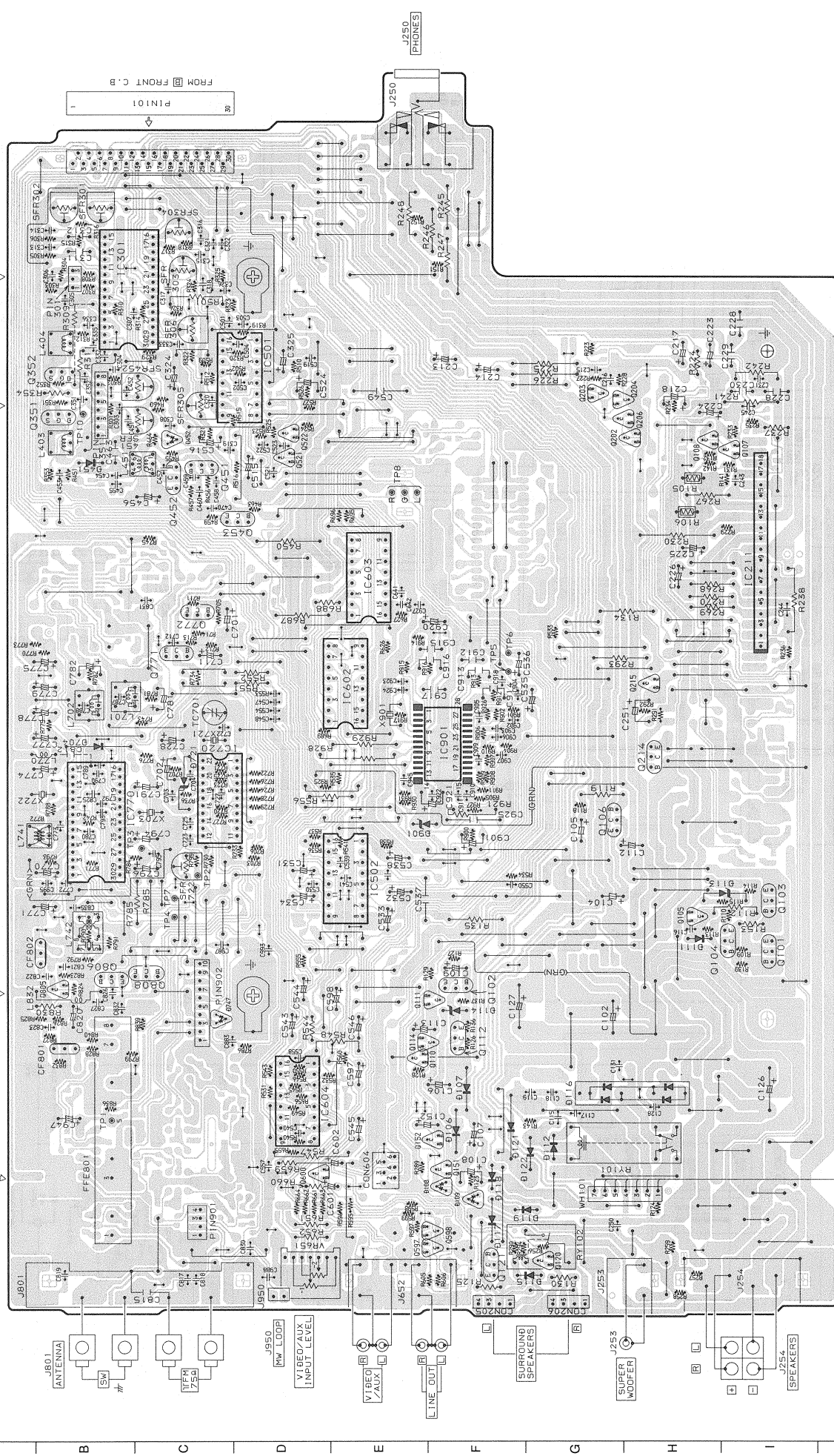
BLOCK DIAGRAM-3 (MAIN / FRONT)



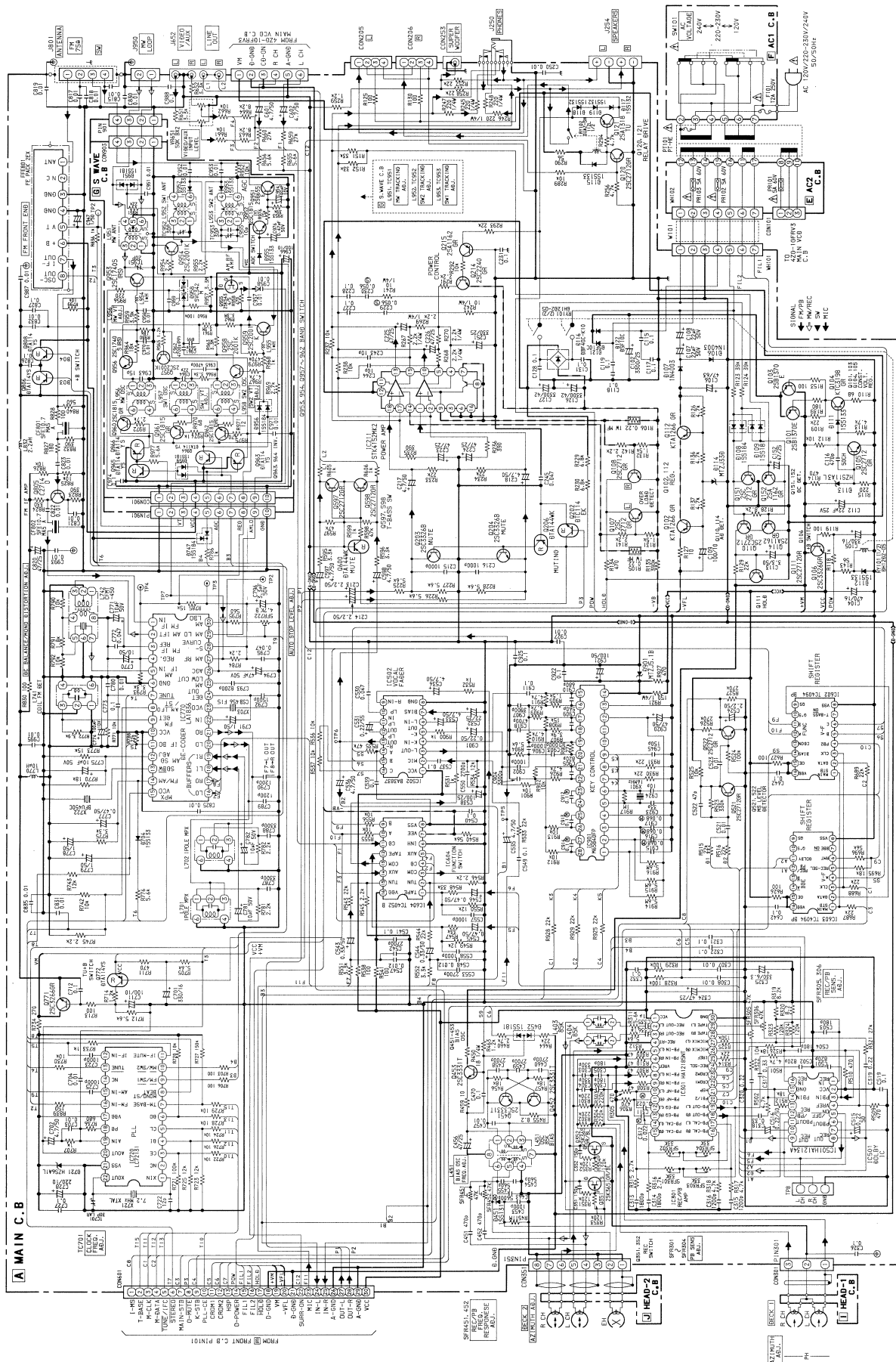
WIRING-1 (MAIN: HR, HK, TH)

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

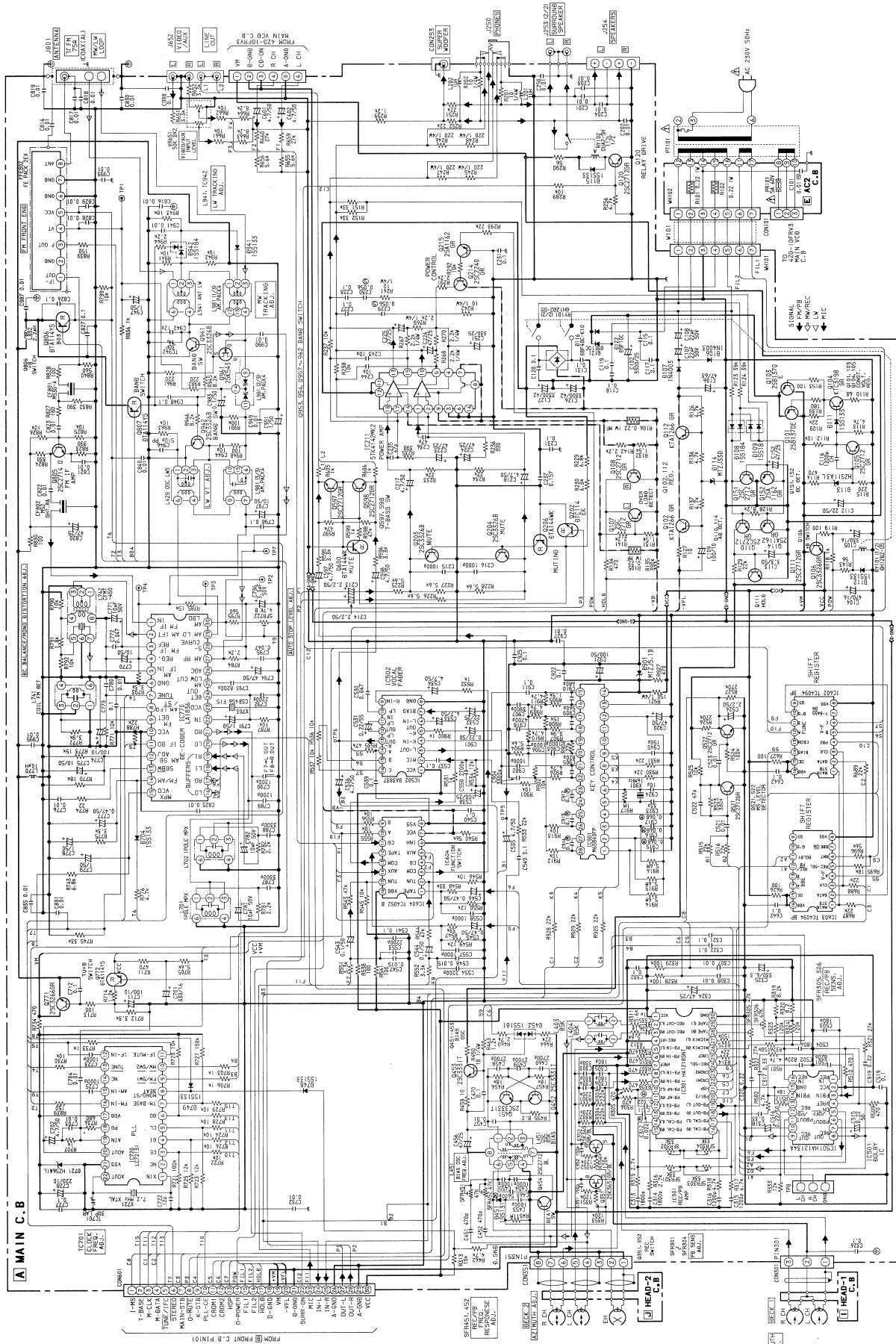
A MAIN C.B



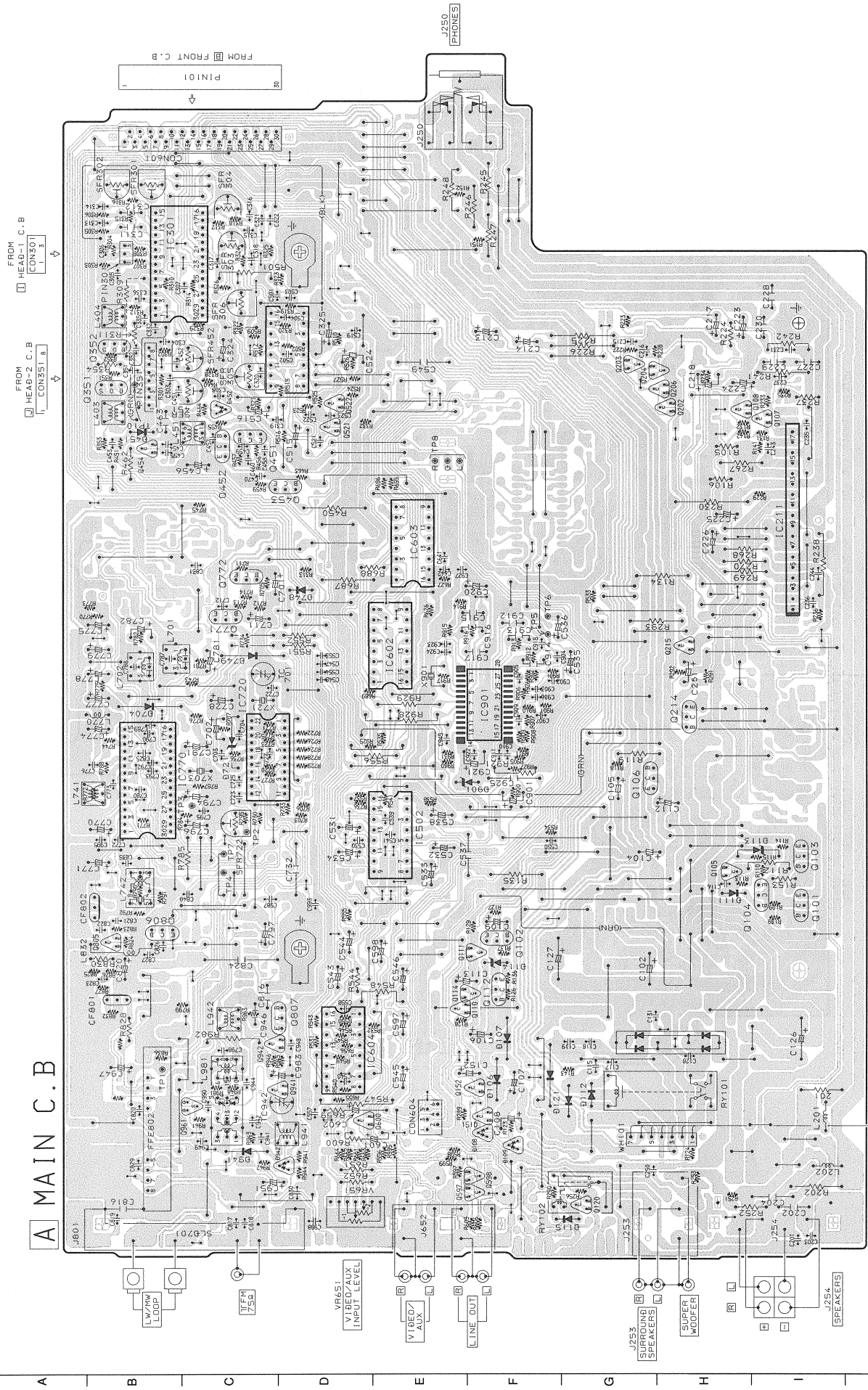
SCHEMATIC DIAGRAM-1 (MAIN: HR, HK, TH)



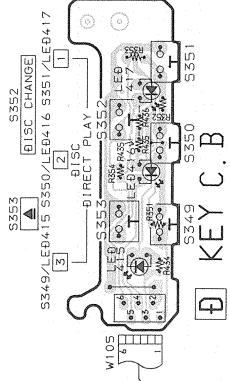
SCHEMATIC DIAGRAM-2 (MAIN: EZ)



A MAIN C.B

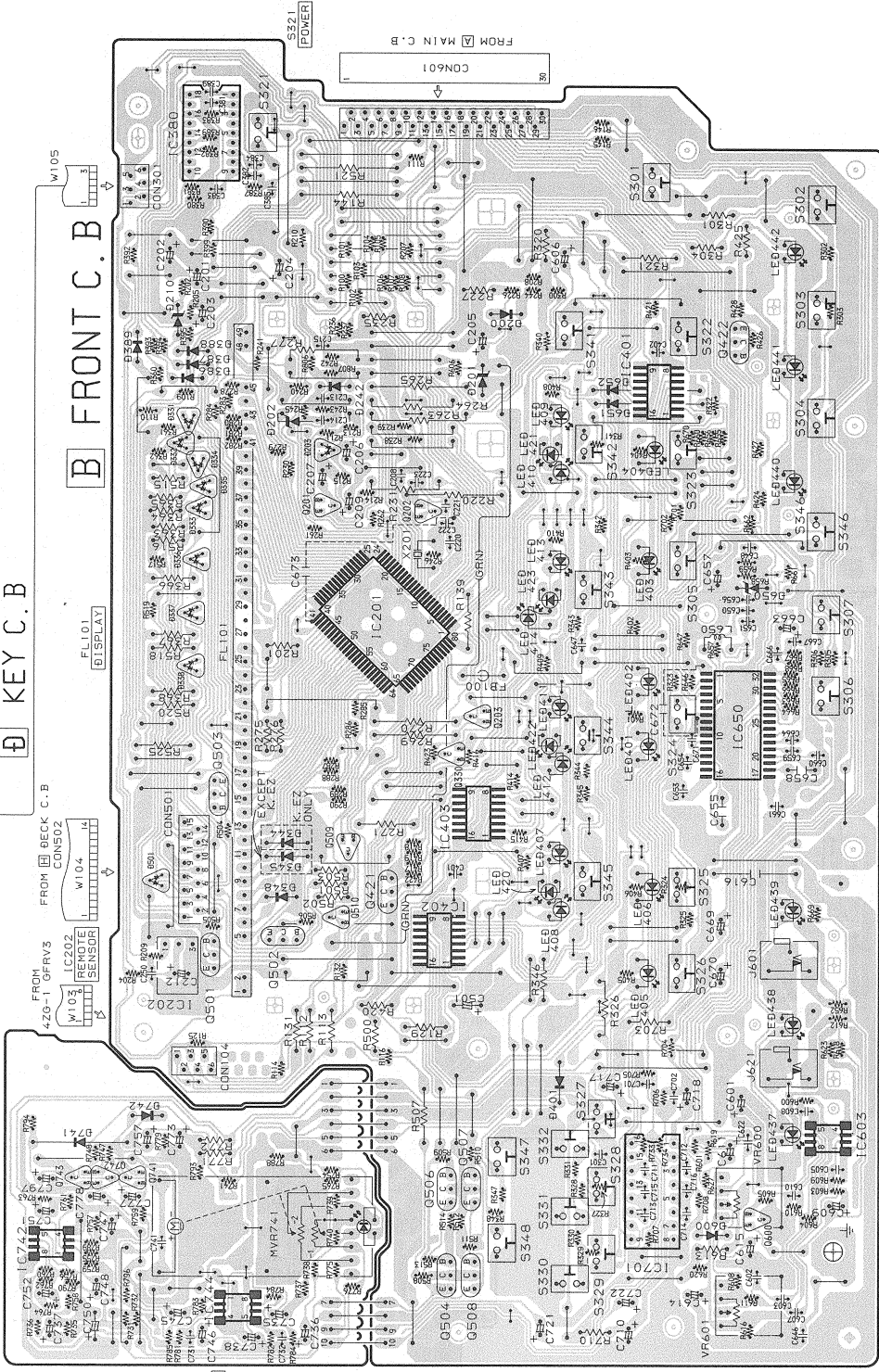






C MVR C.B.

B FRONT C.B.



- VR601 MIC MIXING
- VR600 DIGITAL ECHO
- S346 PBC
- S347 T-BASE
- S330 HALL
- S331 LIVE
- S332 DISC
- S329 FRONT SURROUND
- S328 CLASSIC
- S327 POP
- S326 ROCK
- ELECTRONIC GRAPHIC EQUALIZER
- LED437~439 (DECK 1 BOX BACK LIGHT)
- J601 MIC1
- J602 MIC2
- S345 LE0407, 408, 420
- S344/LE0411, 412, 422 VIBED/AUX
- S343/LE0413, 424/LE0409, 410, 421 S341 LE0414, 423 TAPE/BECK 1/2 (BEMO)
- S342/LE0403 TUNER/BAND
- S341/LE0404 REC/RECHUTE
- S340/LE0405 REC/RECHUTE
- S339/LE0406 REC/RECHUTE
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- S44/LE0701 REC/RECHUTE
- S43/LE0702 REC/RECHUTE
- S42/LE0703 REC/RECHUTE
- S41/LE0704 REC/RECHUTE
- S40/LE0705 REC/RECHUTE
- S39/LE0706 REC/RECHUTE
- S38/LE0707 REC/RECHUTE
- S37/LE0708 REC/RECHUTE
- S36/LE0709 REC/RECHUTE
- S35/LE0710 REC/RECHUTE
- S34/LE0711 REC/RECHUTE
- S33/LE0712 REC/RECHUTE
- S32/LE0713 REC/RECHUTE
- S31/LE0714 REC/RECHUTE
- S30/LE0715 REC/RECHUTE
- S29/LE0716 REC/RECHUTE
- S28/LE0717 REC/RECHUTE
- S27/LE0718 REC/RECHUTE
- S26/LE0719 REC/RECHUTE
- S25/LE0720 REC/RECHUTE
- S24/LE0721 REC/RECHUTE
- S23/LE0722 REC/RECHUTE
- S22/LE0723 REC/RECHUTE
- S21/LE0724 REC/RECHUTE
- S20/LE0725 REC/RECHUTE
- S19/LE0726 REC/RECHUTE
- S18/LE0727 REC/RECHUTE
- S17/LE0728 REC/RECHUTE
- S16/LE0729 REC/RECHUTE
- S15/LE0730 REC/RECHUTE
- S14/LE0731 REC/RECHUTE
- S13/LE0732 REC/RECHUTE
- S12/LE0733 REC/RECHUTE
- S11/LE0734 REC/RECHUTE
- S10/LE0735 REC/RECHUTE
- S9/LE0736 REC/RECHUTE
- S8/LE0737 REC/RECHUTE
- S7/LE0738 REC/RECHUTE
- S6/LE0739 REC/RECHUTE
- S5/LE0740 REC/RECHUTE
- S4/LE0741 REC/RECHUTE
- S3/LE0742 REC/RECHUTE
- S2/LE0743 REC/RECHUTE
- S1/LE0744 REC/RECHUTE



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

A

B

C

D

E

F

G

H

I

J

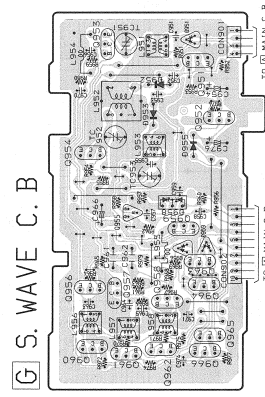
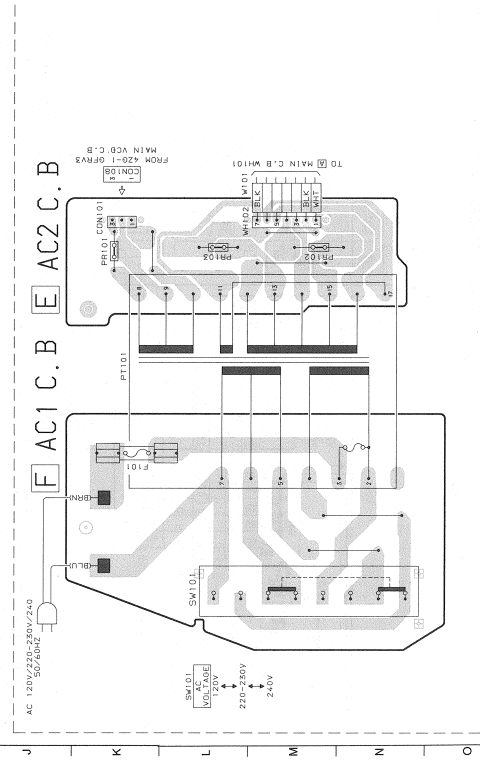
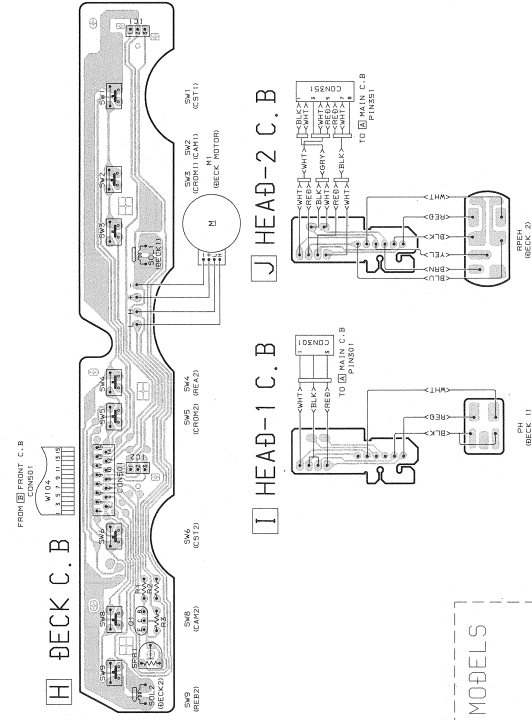
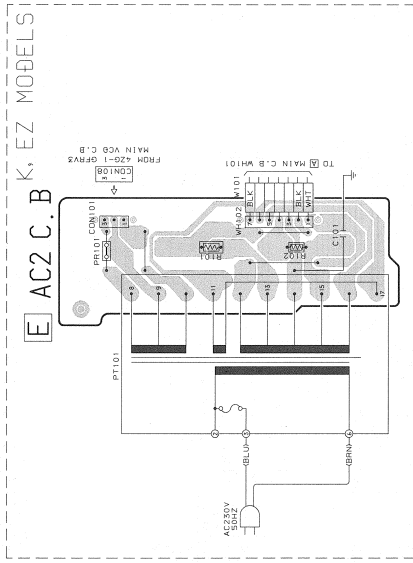
K

L

M

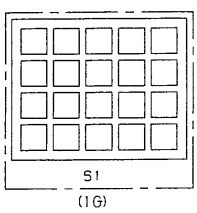
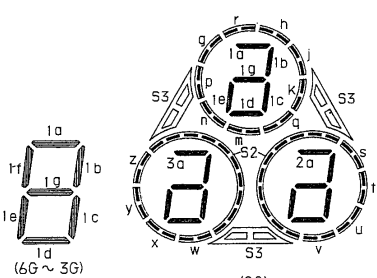
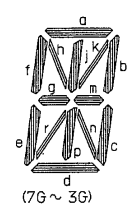
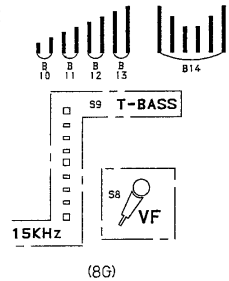
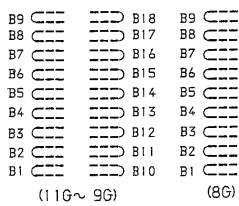
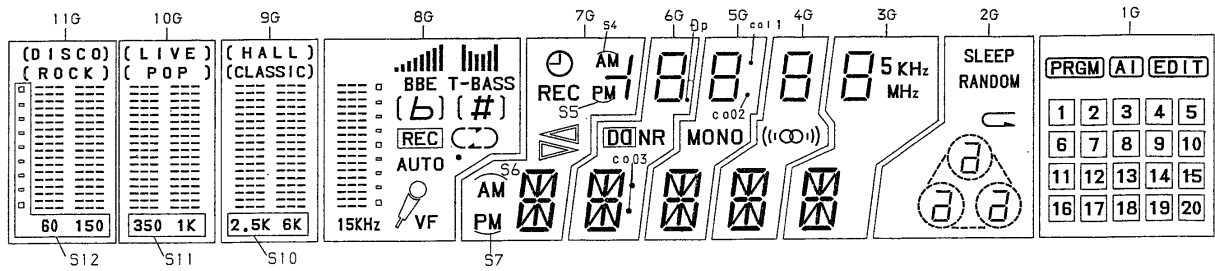
N

O



# FL DISPLAY (BJ362GK) GRID ASSIGNMENT / ANODE CONNECTION

## GRID ASSIGNMENT



## ANODE CONNECTION

	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	B10	B10	B10	C	d	d	d	d	d	s, t, w, x	<b>20</b>
P2	B1	B1	B1	B1	j, p	j, p	j, p	j, p	j, p	u, v, y, z	<b>19</b>
P3	B11	B11	B11	S8	n	n	n	n	n	3e	<b>18</b>
P4	B2	B2	B2	B2	r	r	r	r	r	3c	<b>17</b>
P5	B12	B12	B12	C	c	c	c	c	c	3a, 3d, 3g	<b>16</b>
P6	B3	B3	B3	B3	e	e	e	e	e	3b	<b>15</b>
P7	B13	B13	B13	O	m	m	m	m	m	2e	<b>14</b>
P8	B4	B4	B4	B4	g	g	g	g	g	2c	<b>13</b>
P9	B5	B5	B5	B5	f	f	f	f	f	2a, 2d, 2g	<b>11</b>
P10	B15	B15	B15	AUTO	b	b	b	b	b	S3	<b>10</b>
P11	B6	B6	B6	B6	k	k	k	k	k	j, m, q	<b>9</b>
P12	B16	B16	B16	B10	h	h	h	h	h	h, l, p	<b>8</b>
P13	B7	B7	B7	B7	a	a	a	a	a	k, n, r	<b>7</b>
P14	B14	B14	B14	REC	S7	col 3	col 1	—	KHz	2b	<b>12</b>
P15	B17	B17	B17	B11	S6	NR	MONO	((Ⓞ))	5	1e	<b>6</b>
P16	B8	B8	B8	B8	DP	col 2	—	MHz	1a, 1d, 1g	5	<b>5</b>
P17	B18	B18	B18	B12	1d	1d	1d	1d	1d	1c	<b>4</b>
P18	B9	B9	B9	B9	REC	1e	1e	1e	1e	1b	<b>3</b>
P19	([ROCK])	([POP])	([CLASSIC])	B13	S5	1c	1c	1c	1c	—	<b>2</b>
P20	([DISCO])	([LIVE])	([HALL])	B14	—	1g	1g	1g	1g	S2	<b>1</b>
P21	—	—	—	([b])	/	1f	1f	1f	1f	EDIT	
P22	DISCO	LIVE	HALL	b	Ⓞ	1b	1b	1b	1b	SLEEP	AI
P23	ROCK	POP	CLASSIC	([#])	S4	1a	1a	1a	1a	RANDOM	PRGM
P24	S12	S11	S10	S9	—	—	—	—	—	—	S1
P25	—	—	—	BBE	—	—	—	—	—	—	—

# IC DESCRIPTION

## IC, LC866432V-5752

Pin No.	Pin Name	I/O	Description
1	O-PLL CE	O	PLL IC chip enable.
2	O-KC/CE	O	Key control IC data latch strobe output.
3	O-M/STB	O	Main shift register, data latch strobe output.
4	O-M/DATA	O	Main shift register, PLL/key control/DSP related data output.
5	O-M/CLK	O	Main shift register, PLL/key control/DSP related clock.
6	O-DSPCE	O	DSP data latch strobe output.
7	RESET	I	Reset input.
8	I-STEREO	I	Tuner stereo detection input.
9	I-TUNE/IFC	I	SD. IF.
10	VSS1	—	GND.
11, 12	CF1, 2	—	5.75 MHz oscillator circuit.
13	VDD1	—	Power supply input.
14~16	I-KEY1~3	I	Key input.
17	—	—	Not used.
18	—	—	Not used.
19	I-MS	I	Deck music sensor signal input.
20	I-SPEANA	I	A/D input for spectrum analyzer display.
21	I-MC	I	Microphone input for auto VF display.
22	DATA-REQ	O	Display data request output.
23	I-HOLD	I	Power line failure detection input. Clock stop and memory hold at "L".
24	I-RMC	I	System remote control signal input.
25~35	G1~G11	O	FL grid output. G11 to G1.
36~40	P23~P19	O	FL segment output. P23 to P19.
41	VDD2	—	Power supply input.
42	-VP	—	Power supply input for FL display (-34.5 V)
43	P18/CST1	I/O	FL segment output. P18, DECK1 cassette detection switch data input.
44	P17/AUTO1	I/O	FL segment output. P17, DECK1 auto stop signal input.
45	P16/CAM1	I/O	FL segment output. P16, DECK1 camera switch data input.
46	P15/CAM2	I/O	FL segment output. P15, DECK2 camera switch data input.
47	P14/AUTO2	I/O	FL segment output. P14, DECK2 auto stop data input.
48	P13/CST2	I/O	FL segment output. P13, DECK2 cassette detection switch data input.
49	P12/REA2	I/O	FL segment output. P12, DECK2 side-A record enable switch data input.
50	P11/REB2	I/O	FL segment output. P11, DECK2 side-B record enable switch data input.
51	P10/FM-WIDE	I/O	FL segment output. P10, FM wide mode data diode input.
52	P1/AM-ST	I/O	FL segment output. P1, AM stereo mode data diode input.
53	P2/AM10K	I/O	FL segment output. P2, AM 10 kHz step data diode input.
54	P3/LW	I/O	FL segment output. P3, LW mode data diode input.
55	P4/SW	I/O	FL segment output. P4, SW mode data diode input.
56	P5/BBE	I/O	FL segment output. P5, BEE mode data diode input.
57	P6/DSP	I/O	FL segment output. P6, DSP mode data diode input.
58	P7/KEY-CON	I/O	FL segment output. P7, key control data diode input.

Pin No.	Pin Name	I/O	Description
59	P8/CDG	I/O	FL segment output. P8, CDG data diode input.
60	P9	O	FL segment output. P9.
61	O-CLOSE	O	CD tray close data output.
62	O-OPEN	O	CD tray open data output.
63	O-DI/R	O	CD turntable reverse rotation output.
64	O-DI/F	O	CD turntable forward rotation output.
65	O-POWER	O	System power supply $\overline{\text{ON}}$ /OFF output.
66	O-SOL1	O	DECK1 solenoid output.
67	O-SOL2	O	DECK2 solenoid output.
68	O-MOTOR	O	DECK motor output.
69	O-KEY. SCAN	O	Switch cam timing output.
70	O-F/STB	O	Front shift register, data latch strobe output.
71	O-F/CLK	O	Front shift register, data transfer clock output.
72	O-F/DATA	O	Front shift register, data output.
73	VSS2	—	GND.
74	M-STD BY	O	Waiting output for CD microprocessor control.
75	DATA	O	Data output for CD microprocessor control.
76	CLOCK	O	Data input/output for CD microprocessor control.
77	S-I/O	I/O	Data input/output for CD microprocessor control.
78	I-TM BASE	I	Reference clock input for watch.
79	—	—	Not used.
80	O-MUTE	O	System mute output.

IC, LC72131

Pin No.	Pin Name	I/O	Description																											
1	XI	—	Crystal oscillator (6.2 MHz) is connected to this pin.																											
2	NC	—	Not used.																											
3	CE	I	The terminal which enables this IC. Active H.																											
4	DI	I	Data from the CPU (LC866432V) is input when this key is operated. Active H.																											
5	CLK	I	Clock input to data DI.																											
6	DO	O	Digital data output to the CPU (LC866432V)																											
7	TM-BASE	O	Reference clock signal input (8 MHz).																											
8	MONO/ST BEAT	O	H is output when the MONO/ST BEAT switch is operated.																											
9	$\overline{\text{FM/SW1}}$	O	H or L is output as follows. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2">2 BAND</th> <th colspan="3">3 BAND</th> <th colspan="4">4 BAND</th> </tr> <tr> <th>AM</th> <th>FM</th> <th>LW</th> <th>MW</th> <th>FM</th> <th>LW</th> <th>SW1</th> <th>SW2</th> <th>FM</th> </tr> </thead> <tbody> <tr> <td>H</td> <td>L</td> <td>H</td> <td>H</td> <td>L</td> <td>H</td> <td>L</td> <td>H</td> <td>L</td> </tr> </tbody> </table>	2 BAND		3 BAND			4 BAND				AM	FM	LW	MW	FM	LW	SW1	SW2	FM	H	L	H	H	L	H	L	H	L
2 BAND		3 BAND			4 BAND																									
AM	FM	LW	MW	FM	LW	SW1	SW2	FM																						
H	L	H	H	L	H	L	H	L																						
10	$\overline{\text{MW/SW2}}$	O	H or L is output as follows. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2">2 BAND</th> <th colspan="3">3 BAND</th> <th colspan="4">4 BAND</th> </tr> <tr> <th>AM</th> <th>FM</th> <th>LW</th> <th>MW</th> <th>FM</th> <th>LW</th> <th>SW1</th> <th>SW2</th> <th>FM</th> </tr> </thead> <tbody> <tr> <td>H</td> <td>L</td> <td>H</td> <td>L</td> <td>L</td> <td>H</td> <td>H</td> <td>L</td> <td>L</td> </tr> </tbody> </table>	2 BAND		3 BAND			4 BAND				AM	FM	LW	MW	FM	LW	SW1	SW2	FM	H	L	H	L	L	H	H	L	L
2 BAND		3 BAND			4 BAND																									
AM	FM	LW	MW	FM	LW	SW1	SW2	FM																						
H	L	H	L	L	H	H	L	L																						
11	$\overline{\text{IF-MUTE}}$	O	This pin controls the internal counter.																											
12	IFIN	I	General purpose counter input.																											
13	$\overline{\text{TUNE}}$	I	L is input when tuned to a station.																											
14	NC	—	Not used.																											
15	AM-I	I	AM local oscillator frequency signal is input.																											
16	FM-I	I	FM local oscillator frequency signal is input.																											
17	VDD	—	Power supply input to IC (+5 V).																											
18	PD	O	PLL charge-pump output.																											
19	AIN	I	N-channel MOS transistor for PLL active low-pass filter.																											
20	AOUT	O	N-channel MOS transistor for PLL active low-pass filter.																											
21	VSS	—	GND.																											
22	XO	—	Crystal oscillator (6.2 MHz) is connected to this pin.																											

## IC, M65840FP

Pin No.	Pin Name	I/O	Description
1	ADC	—	ADM A/D adaptive control.
2	DA1C	—	ADM D/A1 adaptive control.
3	DA2C	—	ADM D/A2 adaptive control.
4	TEST1	I	Normal function mode at L, test mode at H.
5	X-I	I	16 MHz ceramic oscillator.
6	X-O	O	
7	DATA	I	Serial bus data input.
8	CLK	I	Serial bus clock input.
9	STB	I	Serial bus strobe input.
10	TEST2	O	Test output.
11	TEST3	O	Test output.
12	REF	—	Analog 1/2 Vcc. Capacitor for filter is connected.
13	GND	—	GND.
14	VCC	—	Normally 5 V.
15	M-O	O	Mixing key control low-frequency signal and through output high frequency signal.
16	M-I	I	
17	LPF2-O	O	Post low-pass filter for digital key control is constituted by external CR.
18	LPF2-I	I	
19	HPF-O	O	High-pass filter for through output high frequency signal is constituted by external CR.
20	HPF-I	I	
21	LPF1-O	O	Pre low-pass filter for digital key control is constituted by external CR.
22	LPF1-I	I	
23	ADI-I	I	Integrator is constituted by external capacitor.
24	ADI-O	O	
25	DA1I-I	I	Integrator is constituted by external capacitor.
26	DA1I-O	O	
27	DA2I-I	I	Integrator is constituted by external capacitor.
28	DA2I-O	O	





## < TUNER SECTION >

1. Clock Frequency Adjustment
  - Settings:
    - Test point: TP2 (CLK IC770 pin30)
    - Adjustment location: TC701
  - Method: Set to MW 1710kHz (HR, HK, TH), 1602kHz (K, EZ) and adjust TC701 so that the test point becomes 2160kHz±0.01kHz (HR, HK, TH), 2052kHz±0.01 kHz (K, EZ).
2. MW VT Adjustment <HR, HK, TH>
  - Settings:
    - Test point: TP1 (VT)
    - Adjustment location: L956
  - Method: Set to MW 1710kHz and adjust L956 so that the test point becomes 8.5V±0.05V. Then set to MW 530kHz and check that the test point is more than 0.3V.
2. MW VT Check <K, EZ>
  - Settings:
    - Test point: TP1 (VT)
  - Method: Set to 1602kHz and check that the test point is 6.8V±1.0V.
3. MW Tracking Adjustment <HR, HK, TH>
  - Settings:
    - Test point: TP5, TP6
    - Adjustment location:
      - L951 ..... 600kHz
      - TC951 ..... 1400kHz
  - Method: Set to TC951 to center before adjustment. The level at 600kHz is adjusted to MAX by L951. Then the level at 1400kHz is adjusted to MAX by TC951.
3. MW Tracking Adjustment <K, EZ>
  - Settings:
    - Test point: TP5, TP6
    - Adjustment location:
      - L981 ..... 1400kHz
  - Method: Set to MW 999kHz and adjust L981 so that the test point becomes maximum.
4. AM IF Adjustment
  - Settings:
    - Test point: TP5, TP6
    - L742 ..... 450kHz
5. SW2 VT Adjustment <HR, HK, TH>
  - Settings:
    - Test point: TP1 (VT)
    - Adjustment location: L958
  - Method: Set to SW2 21.85MHz and adjust L958 so that the test point becomes 8.0V±0.05V.
6. SW2 Tracking Adjustment <HR, HK, TH>
  - Settings:
    - Test point: TP5, TP6
    - Adjustment location:
      - L953 ..... 9.5MHz
      - TC953 ..... 21.85MHz
  - Method: Set up TC953 to center before adjustment. The level at 9.5MHz is adjusted to MAX by L953. Then the level at 21.85MHz is adjusted to MAX by TC953.
7. SW1 VT Adjustment <HR, HK, TH>
  - Settings:
    - Test point: TP1 (VT)
    - Adjustment location: L957
  - Method: Set to SW1 7.3MHz and adjust L957 so that the test point becomes 7.7V±0.05V.
8. SW1 Tracking Adjustment <HR, HK, TH>
  - Settings:
    - Test point: TP5, TP6
    - Adjustment location:
      - L952 ..... 3.2MHz
      - TC952 ..... 7.3MHz
  - Method: Set up TC952 to center before adjustment. The level at 3.2MHz is adjusted to MAX by L952. Then the level at 7.3MHz is adjusted by TC952.
9. LW VT Adjustment <K, EZ>
  - Settings:
    - Test point: TP1 (VT)
    - Adjustment location: L942
  - Method: Set to LW 144kHz and adjust L942 so that the test point becomes 1.5V±0.05V.
10. LW Tracking Adjustment <K, EZ>
  - Settings:
    - Test point: TP5, TP6
    - Adjustment location:
      - L941 ..... 144kHz
      - TC942 ..... 290kHz
  - Method: Set up TC942 to center before adjustment. The level at 144kHz is adjusted to MAX by L941. Then the level at 290kHz is adjusted to MAX by TC942.
11. FM VT Check <HR, HK, TH>
  - Settings:
    - Test point: TP1 (VT)
  - Method: Set to FM 87.5MHz, 108.0MHz and check that the test point is more than 1.0V (87.5MHz) and less than 8.0V (108.0MHz).
- <K, EZ>
  - Settings:
    - Test point: TP1 (VT)
  - Method: Set to FM 87.5MHz, 108.0MHz and check that the test point is more than 1.5V (87.5MHz) and less than 8.2V (108.0MHz).
12. DC Balance/Mono Distortion Adjustment
  - Settings:
    - Test point: TP3, TP4 (DC balance)
    - TP5, TP6 (Distortion)
    - Adjustment location: L741
    - Input level: 54dB
  - Method: Set to FM 98.0MHz and adjust L741 so that the voltage between TP3 and TP4 becomes 0V±0.04V. Next, check that the distortion is less than 1.3%.
13. Auto Stop Level Adjustment
  - Settings:
    - Test point: TP7
    - Adjustment location: SFR722
    - Input level: 16dB
  - Method: Set to FM 98.0MHz and adjust voltage low (about 0.01V) by SFR722. After that voltage high (about 7.0V) out by 2dB down.

## < DECK SECTION >

14. Tape Speed Adjustment
  - Settings:
    - Test tape: TTA-100 (DECK2)
    - Test point: TP8, TP9
    - Adjustment location: SFR1
  - Method: Play back the test tape by DECK2 and adjust SFR1 so that the frequency counter reads 3000Hz±5Hz.
15. Azimuth Adjustment (DECK1, DECK2)
  - Settings:
    - Test tape: TTA-310
    - Test point: TP8
    - 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.
16. PB Frequency Response Check (DECK1, DECK2)
  - Settings:
    - Test tape: TTA-300
    - Test point: TP8
  - Method: Play back the 315Hz and 10kHz signals of the test tape and check that the output ratio of the 10kHz signal is with respect to that of the 315Hz signal is ±2dB.

17. PB Sensitivity Adjustment  
 Settings:
  - Test tape: TTA-200
  - Test point: TP8
  - 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 300mV.

18. REC/PB Frequency Response Adjustment  
 Settings:
  - Test tape: TTA-602
  - Test point: TP8
  - Input signal: 1kHz/10kHz (LINE IN)
  - Adjustment location: SFR451 (Lch)  
SFR452 (Rch)
 Method: Establish the record mode. Adjust the TP8 signal to 210mV and attenuate to -20dB. Record and playback 1kHz and 10kHz. Adjust SFR so that level difference between 1kHz and 10kHz is 0dB±0.5dB.

19. REC/PB Sensitivity Adjustment  
 Settings:
  - Test tape: TTA-602
  - Test point: TP8
  - 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 TP8 becomes 21mV. Record and play back the 1kHz signals and adjust SFRs so that the output is 21mV±0.5dB.

20. Bias OSC Frequency Adjustment  
 Settings:
  - Test tape: TTA-601
  - Test point: TP10 (R311)
  - Adjustment location: L451
  - BEAT SW: OFF <K, EZ>
 Method: Set to the REC mode. Adjust L451 so that the frequency counter of the test point becomes minimum.

## PRACTICAL SERVICE FIGURE

### < TUNER SECTION >

#### <FM SECTION>

##### <HR, HK, TH>

IHF Sensitivity: (THD 3%)	3dB±6dB (at 87.5/98.0/108.0MHz)
S/N 50dB Quieting sensitivity:	35dB±6dB (at 87.5/98.0/108.0MHz)
Signal to noise ratio:	More than 68dB (at 98.0MHz)
Distortion: (Input: 54dB)	Less than 1.2% (at 98.0MHz)
Stereo separation:	More than 25dB (at 98.0MHz)
Intermediate frequency:	10.7MHz
<K, EZ>	
IHF Sensitivity: (DIN Filter at S/N 26dB)	6dB±6dB (at 87.5/98.0/108.0MHz)
S/N 50dB Quieting sensitivity: (S/N 46dB)	36dB±6dB (at 87.5/98.0/108.0MHz)
Signal to noise ratio:	More than 65dB (at 98.0MHz)
Distortion: (Input: 54dB)	Less than 1.3% (at 98.0MHz)
Stereo separation:	More than 25dB (at 83.0MHz)
Intermediate frequency:	10.7MHz

#### <MW SECTION>

Sensitivity: (S/N 20dB)	48~62dB (at 603kHz)
Signal to noise ratio: (Input: 100dB)	47~59dB (at 999/1404kHz)
Distortion:	More than 36dB (at 999kHz)
Intermediate frequency:	Less than 1.5% (at 999kHz) 450kHz

#### <LW SECTION> (K, EZ)

Sensitivity: (S/N 20dB)	66±5dB (at 144kHz) 63±5dB (at 198kHz) 62±5dB (at 290kHz)
Signal to noise ratio: (Input: 106dB)	More than 32dB (at 198kHz)
Distortion: (Input: 80dB)	Less than 1.5% (at 198kHz)

### <SW1 SECTION> (HR, HK, TH)

Sensitivity: (S/N 20dB)	29~37dB (at 3.2MHz) 26~34dB (at 5.0MHz) 24~32dB (at 7.3MHz)
Signal to noise ratio: (Input: 80dB)	More than 40dB
Distortion:	Less than 1.5% (at 5.0MHz)
Intermediate frequency:	450kHz

### <SW2 SECTION> (HR, HK, TH)

Sensitivity: (S/N 20dB)	45dB±5dB (at 9.5MHz) 40dB±5dB (at 15.0MHz) 34dB±5dB (at 21.85MHz)
Signal to noise ratio: (Input: 80dB)	More than 36dB
Distortion:	Less than 1.5% (at 15.0MHz)
Intermediate frequency:	450kHz

### < DECK SECTION >

Tape speed:	3000Hz±1.5%
Wow & flutter: (W.R.M.S)	Less than 0.4%
Take-up torque:	30~55g-cm (FWD, REV)
F.F torque:	75~180g-cm
REW torque:	75~180g-cm
Back tension:	2~7.0g-cm
PB Output level:	(DECK1, 2) 2.8V±1.5dB (SP OUT)
REC/PB Output level:	2.0V± -1.5±2dB (SP OUT)
Distortion (REC/PB):	Less than 2% (NORM, CrO2)
Noise level (REC/PB):	Less than 8mV/15mV (DOLBY B NR ON/OFF NORM, SP OUT, Vol 2V) Less than 7mV/10mV (DOLBY B NR ON/OFF CrO2, SP OUT, Vol 2V)
Crosstalk:	More than 60dB (1kHz, 0VU)
Erasing ratio:	More than 60dB (125Hz)
Channel separation:	More than 40dB (1kHz, 0VU)
REC bias frequency:	85kHz
Test tape:	NORMAL TTA-601/600 CrO2 TTA-610 METAL TTA-630

# TEST MODE

## 1. How to Activate CD Test Mode

Insert the AC plug while pressing the function CD button.  
All FL display tubes will light up, and the test mode will be activated.

## 2. How to Cancel CD Test Mode

Either one of the following operations will cancel the CD test mode.

- Press the function button.
- Press the power switch button.
- Disconnect the AC plug (except CD function button)

## 3. CD Test Mode Functions

When test mode is activated, the following mode functions from No.1 to No.5 can be used by pressing the operation keys.

Mode/No.	Operation	FL display	Operation	Contents
No.1	Activation	All lamps light	<ul style="list-style-type: none"> <li>• Test mode is activated.</li> <li>• Laser diode turns always ON. (CD block power is ON.)</li> </ul>	<ul style="list-style-type: none"> <li>• FL display check (All displays light.)</li> <li>• APC circuit check</li> <li>• Laser current measurement (Laser current control. Across a resistor connected between emitter and GND.)</li> </ul>
No.2	■ key		<ul style="list-style-type: none"> <li>• Continual focus search (The pickup lens repeats the full-swing up-down motion.)</li> <li>* Avoid continual searches that last for more than 10 minutes. * NOTE 1</li> </ul>	<b>FOCUS SERVO</b> <ul style="list-style-type: none"> <li>• Check focus search waveform</li> <li>• Check focus error waveform (FOK/FZC are not monitored in the search mode)</li> </ul>
No.3	◀▶ key		<ul style="list-style-type: none"> <li>• Normal playback</li> <li>• Focus search is continued if TOC cannot be read. * NOTE 1</li> </ul>	<b>FOCUS SERVO/TRACKING SERVO CLV SERVO/SLED SERVO</b> Check FOK/FZC
No.4	key		<ul style="list-style-type: none"> <li>• During normal disc playback Press once; tracking servo OFF Press twice; tracking servo ON * NOTE 2</li> </ul>	<b>TRACKING SERVO ON/OFF</b> Tracking balance (traverse) adjustment
No.5	◀◀ key ▶▶ key	All lamps light	<ul style="list-style-type: none"> <li>• Pickup moves to the outermost track</li> <li>• Pickup moves to the innermost track * NOTE 3</li> </ul> <p>(During playback, machine operates normally.)</p>	<b>SLED SERVO</b> Check SLED mechanism operation

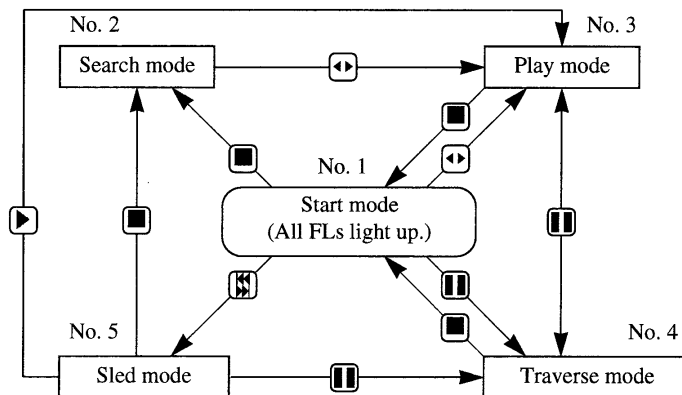
\* NOTE 1: There are cases when the tracking servo cannot be locked owing to the protection circuit being operated when heat builds up in the driver IC if the focus search is operated continually for more than 10 minutes. In these cases the power supply should be switched off for 10 minutes until heat has been reduced and then re-started.

\* NOTE 2: Do not press the ◀◀ or ▶▶ keys when the machine is in the || status is active. If they are pressed, playback will not be possible after the || status has been canceled. If the ◀◀ or ▶▶ keys are pressed in the || status, press the ■ key and return to the start mode (No.1).

\* NOTE 3: When pressing the ◀◀ or ▶▶ keys, take care to avoid damage to the gears. Because the sled motor is activated when the ◀◀ or ▶▶ keys are pressed, even when the pick-up is at the outermost or innermost track.

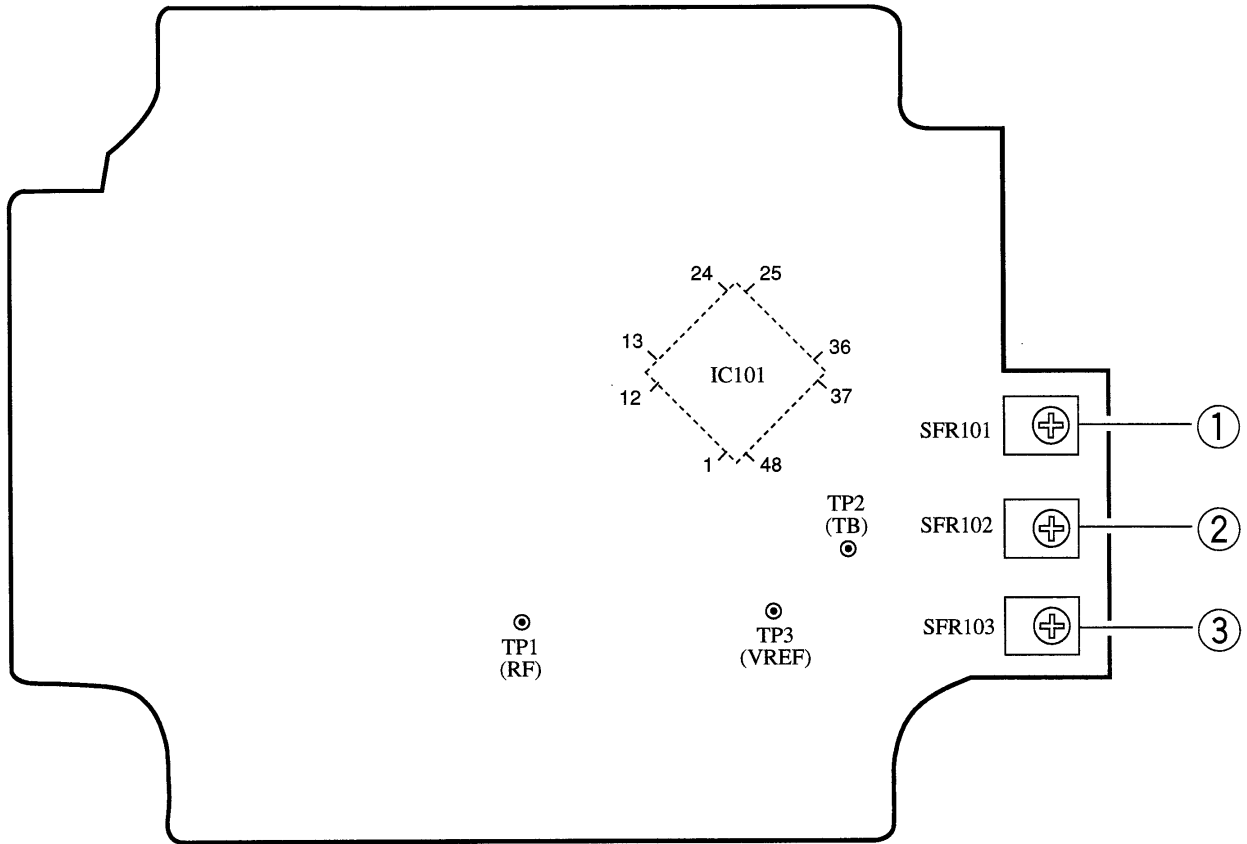
## 4. Operation Outline

The operation of each mode is carried out in the direction of the arrows from the start mode as indicated in the following illustration.



If the DISC DIRECT PLAY button is pressed, the machine performs the same operation as the PLAY button is pressed as shown. If the tray is opened by pressing OPEN/CLOSE button during Play mode or Traverse mode, the machine returns to the Start mode.

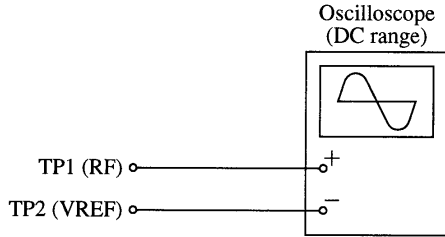
**B** CD MECHA C.B



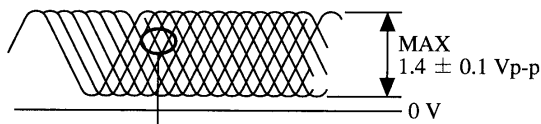
Note: Connect a probe (10: 1) of the oscilloscope or the frequency counter to a test point.

### 1. Focus Bias Adjustment

Make the focus bias adjustment when replacing and repairing the optical block.



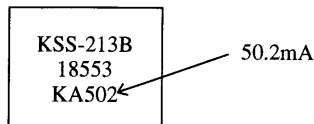
- 1) Connect an oscilloscope to test points TP1 (RF) and TP2 (VREF).
- 2) Turn on the power switch.
- 3) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
- 4) Adjust SFR101 so that RF signal of test point TP1 (RF) is MAX and CLEARREST.



EYE PATTERN must be CLEAR and MAX

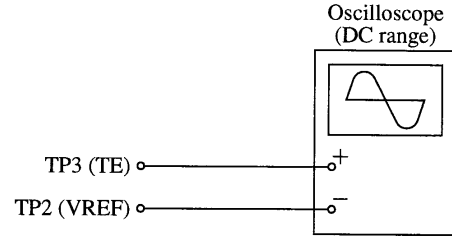
VOLT/DIV : 50mV  
TIME/DIV : 0.5μS

Note: The current of the laser signal can be checked with the voltages on both sides of R127 (10Ω). The difference for the specified value shown on the level must be within ± 6.0mA.

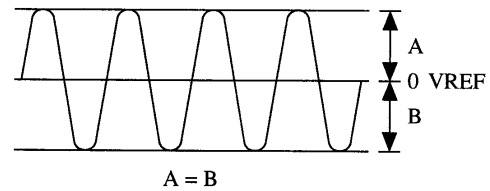


$$\text{Laser current } I_{op} = \frac{\text{Voltage across R127}}{10\Omega}$$

### 2. Tracking Balance Adjustment



- 1) Connect an oscilloscope to test points TP3 (TE) and TP2 (VREF).
- 2) Turn on the power switch.
- 3) Insert test disc TCD-782 (YEDS-18) and press the PLAY button.
- 4) Adjust SFR103 to decrease the tracking gain.
- 5) Adjust SFR102 so that the waveform on the oscilloscope is vertically symmetrical as shown in the figure below.
- 6) After the adjustment is completed, remove the connected lead wires from the terminals.



VOLT/DIV : 20mV  
TIME/DIV : 1mS

### 3. Tracking Gain Adjustment

A servo analyzer is necessary in order to perform this adjustment exactly. However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.

Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when 2-axis device operates. However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is raised, the noise increases when the 2-axis device operates.
- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.

When the gain adjustment is off, the symptoms below appear.

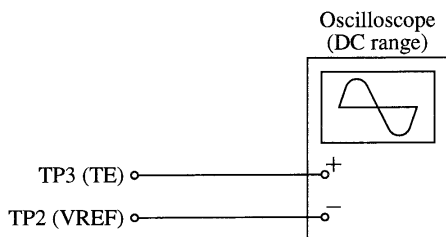
Symptoms \ Gain	(Focus)	Tracking
● The time until music starts becomes longer for STOP → ▶ PLAY or automatic selection (◀◀ ▶▶ buttons pressed.) (Normally takes about 2 seconds.)	low	low or high
● Music does not start and disc continues to rotate for STOP → ▶ PLAY or automatic selection (◀◀ ▶▶ buttons pressed.)	—	low
● Disc stops to rotate shortly after STOP → ▶ PLAY.	low or high	—
● Sound is interrupted during PLAY. Or time counter display stops.	—	low
● More noises during the 2-axis device operation.	high	high

The following is simple adjustment method.

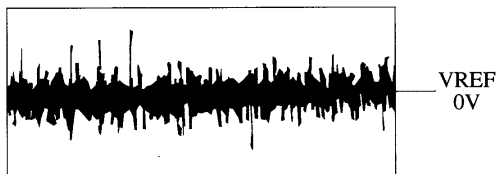
— Simple adjustment —

Note: Since the exact adjustment cannot be performed, remember the positions of the controls before the adjustment. If the positions after the simple adjustment are only a little different, return the controls to the original position.

Procedure:



- 1) Keep the set horizontal. (If the set is not kept horizontally, this adjustment cannot be performed due to the gravity against the 2-axis device.)
- 2) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
- 3) Connect an oscilloscope to TP3 (TE), TP2 (VREF) of the CD MECHA C.B.
- 4) Adjust SFR103 so that the waveform appears as shown in the figure below. (tracking gain adjustment)

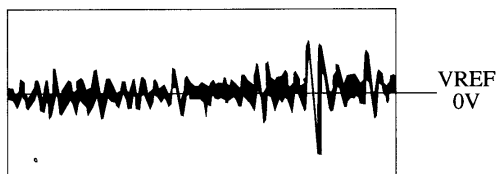


VOLT/DIV: 50 mV  
TIME/DIV: 1mS

- Incorrect example

Low tracking gain

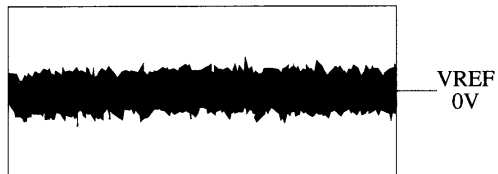
The fundamental wave appears as compared with the waveform adjusted.



VOLT/DIV: 50 mV  
TIME/DIV: 1mS

High tracking gain

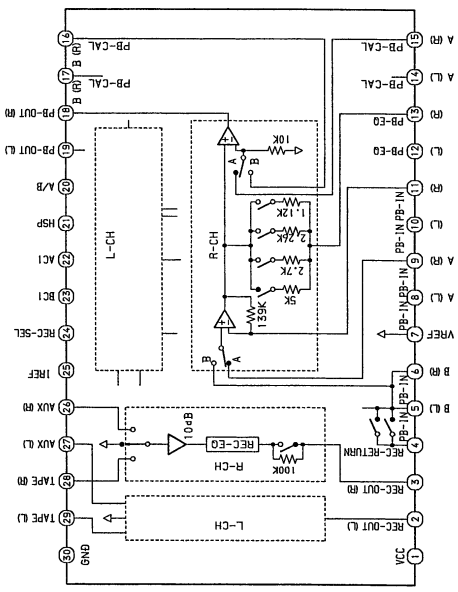
The frequency of the fundamental wave is higher than that in low gain.



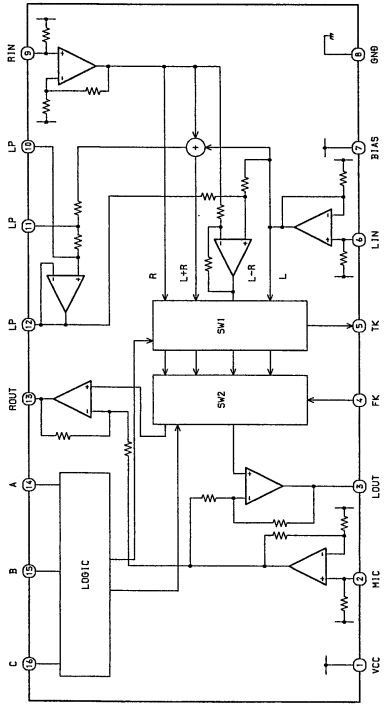
VOLT/DIV: 50 mV  
TIME/DIV: 1mS

IC BLOCK DIAGRAM

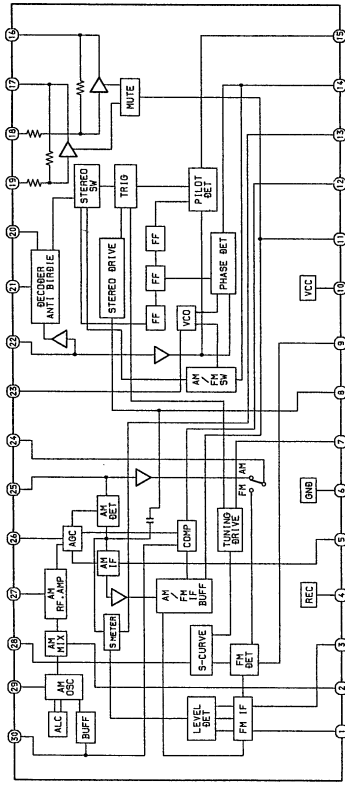
IC, HA12185NT



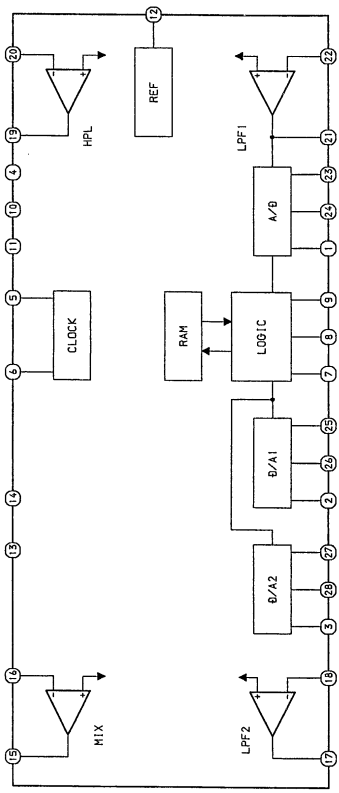
IC, BA3837



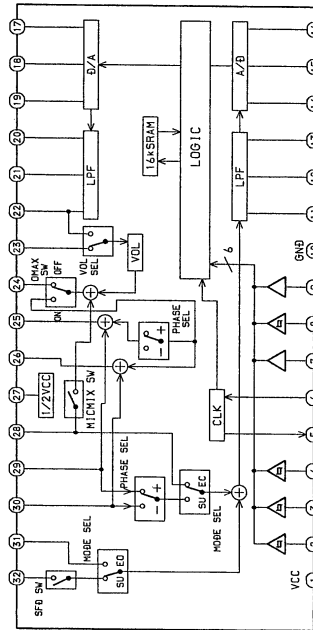
IC, LA1836



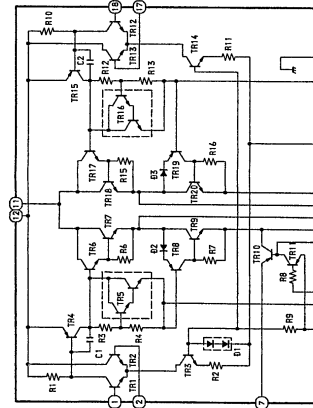
IC, M65840FP



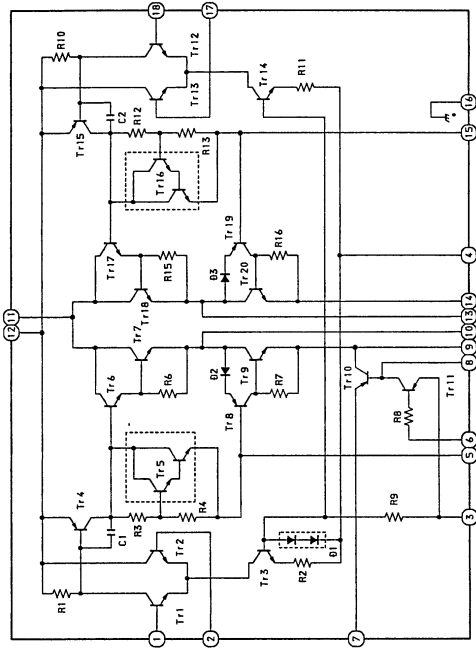
IC, M65846FP-600D



IC, STK4152-2

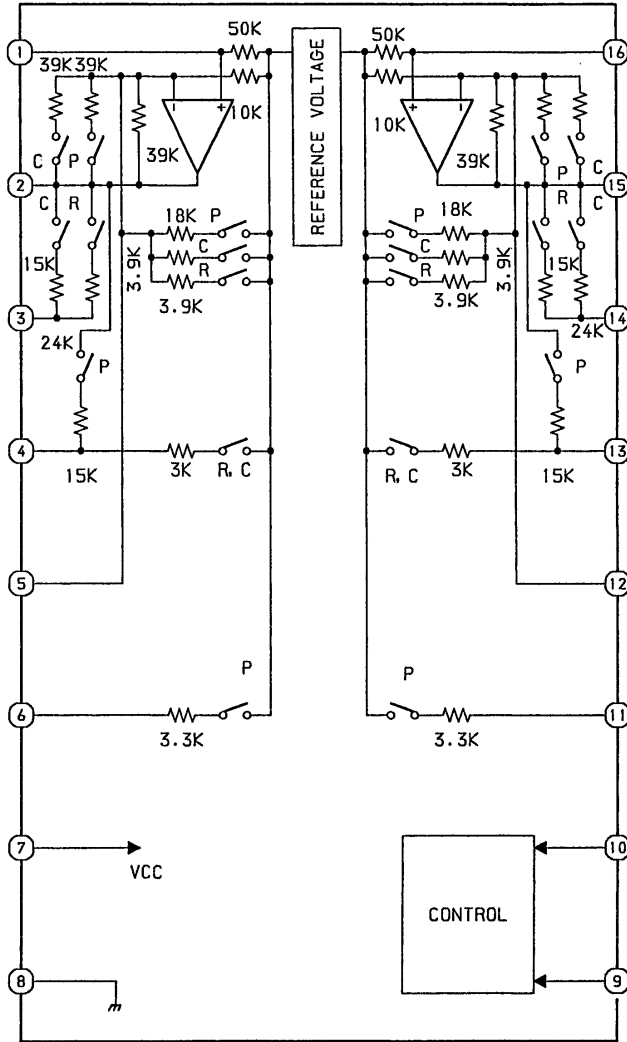


IC, STK4142-2

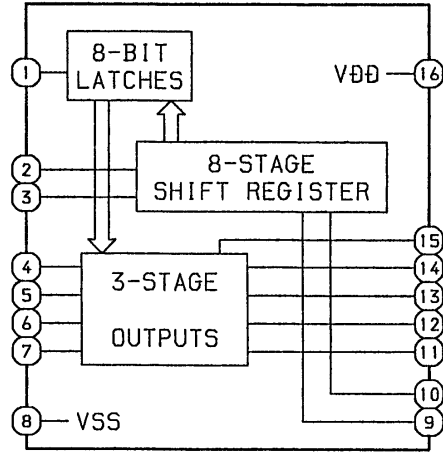




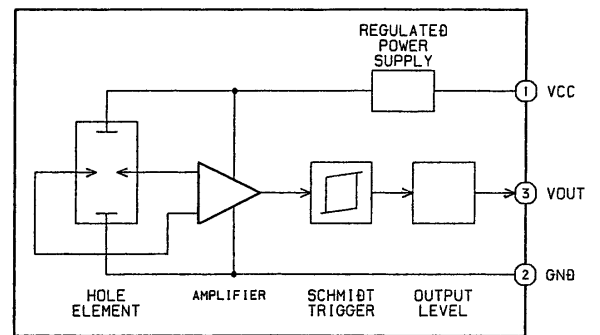
IC, M62412P



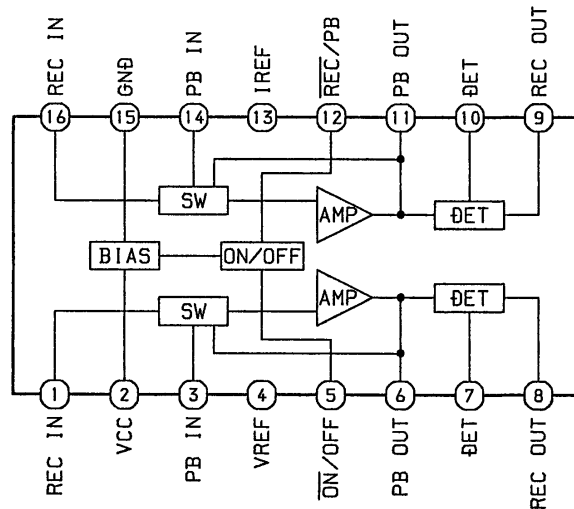
IC, TC4094BP / BF



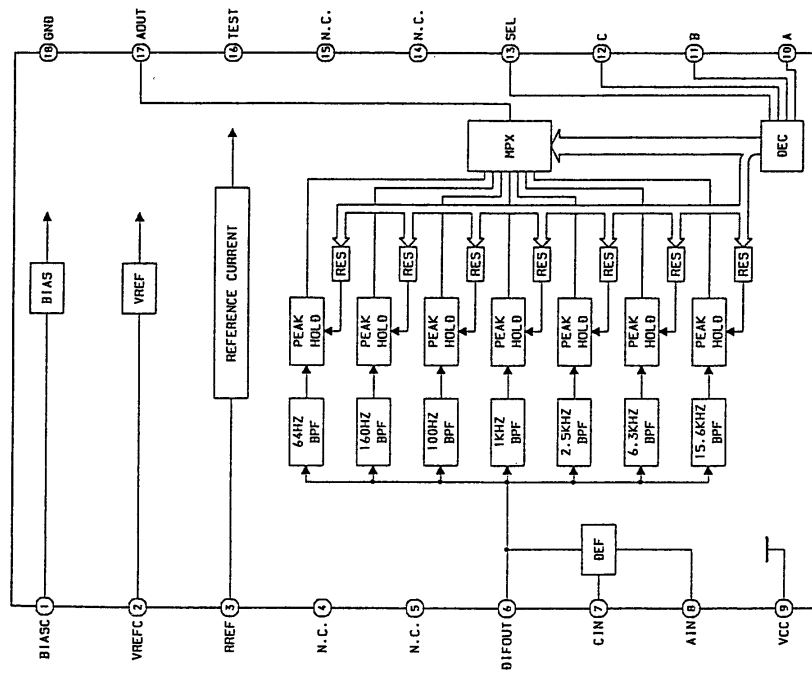
IC, DN6851



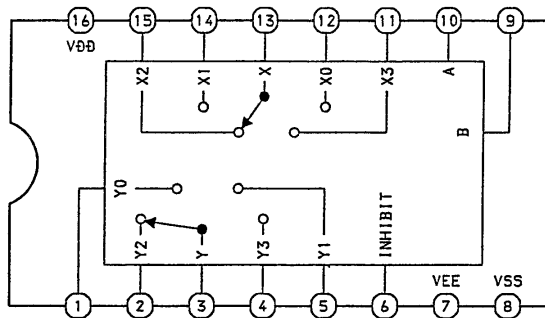
IC, HA12134A



IC, BA3834S



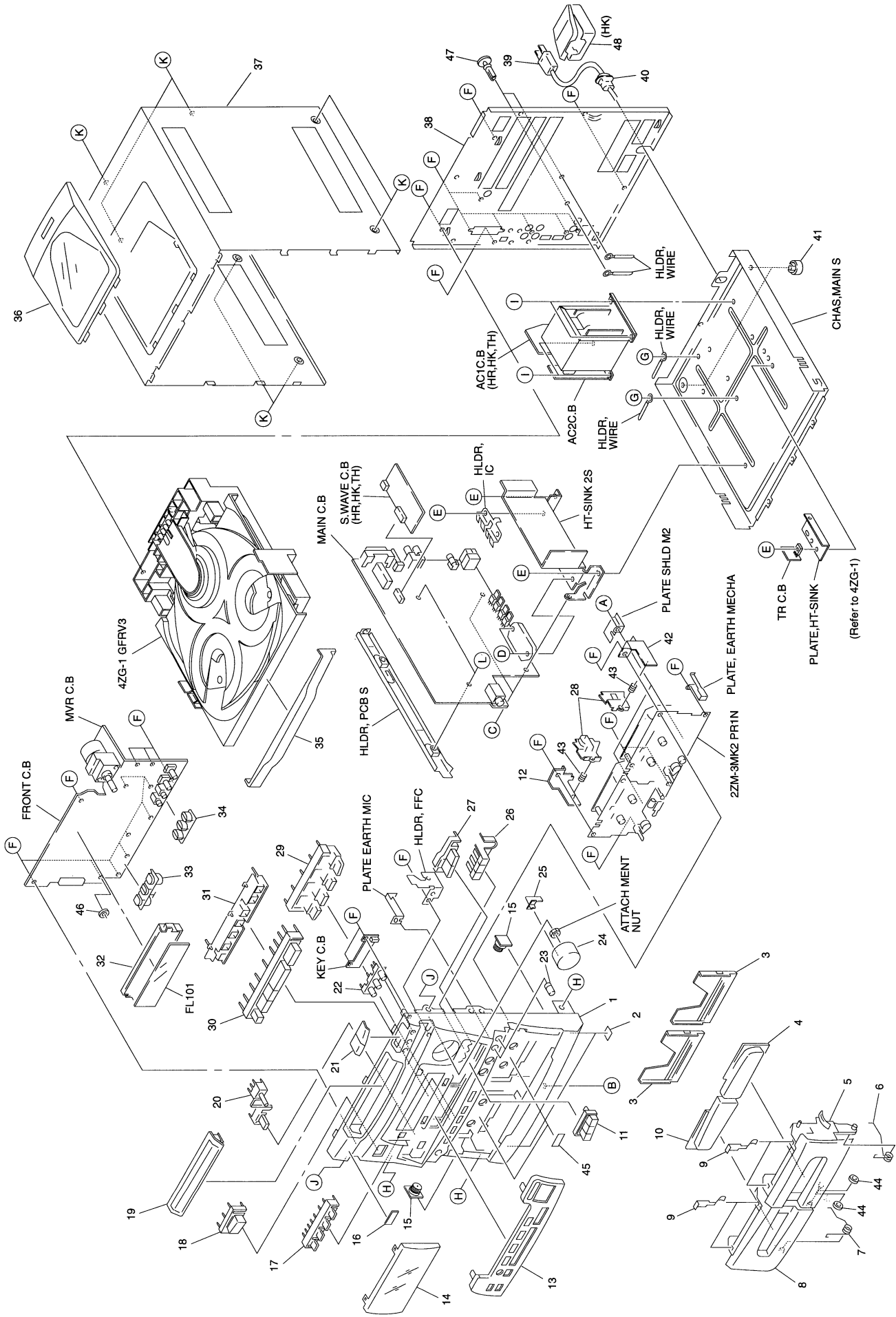
IC, BU4052BCP



TRUTH TABLE

CONTROL INPUTS			ON SWITCH	
INHIBIT	B	A	Y0	X0
L	L	L	Y0	X0
L	L	H	Y1	X1
L	H	L	Y2	X2
L	H	H	Y3	X3
H	X	X	—	—

L: LOW LEVEL  
H: HIGH LEVEL  
X: IRRELEVANT



# 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”.

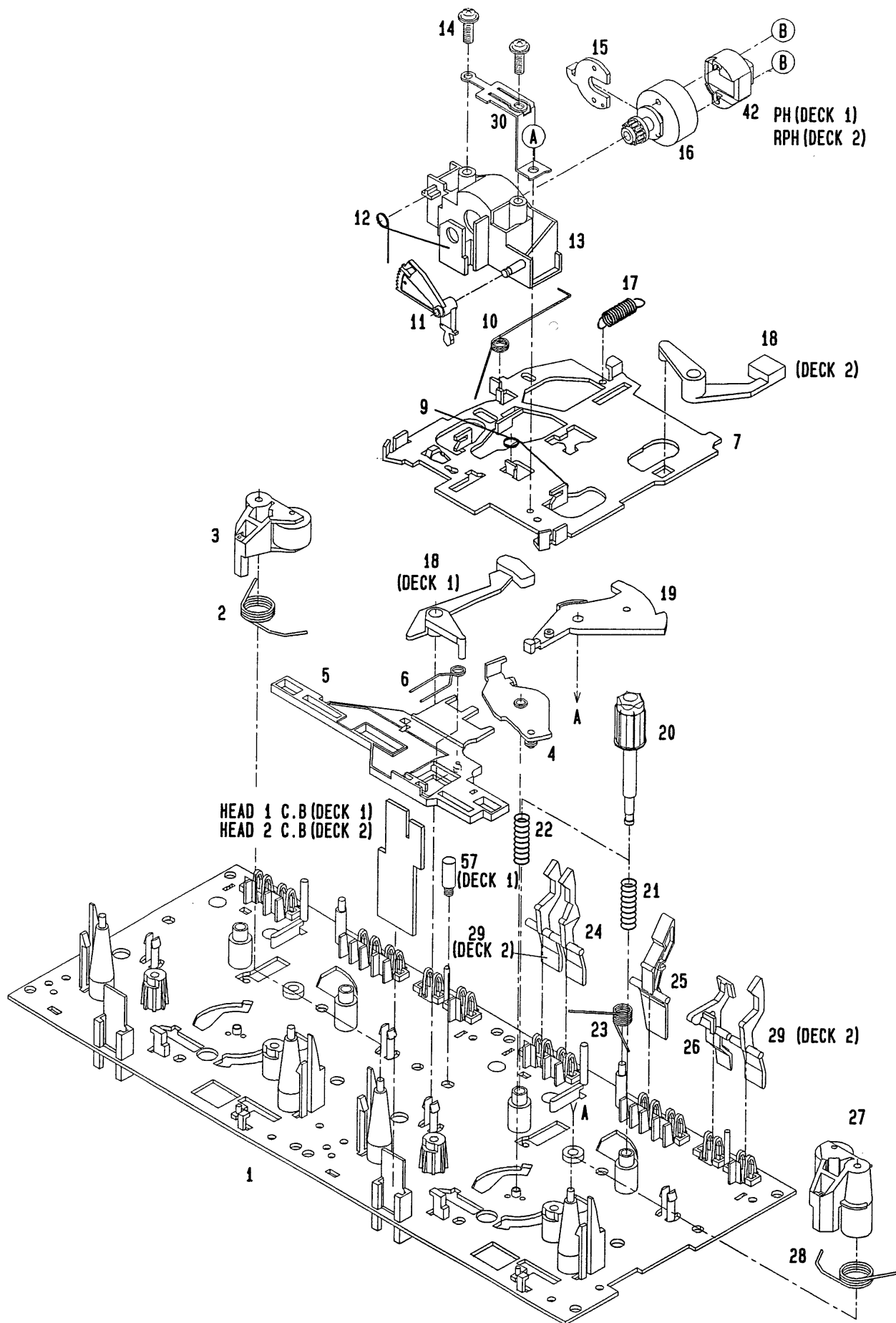
REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
1	85-NFT-010-010		CAB,FR E(ST)<K,EZ>	33	85-NF5-210-110		GUIDE,LED L
1	85-NFT-006-010		CAB,FR H(ST)<HR,HK,TH>	34	85-NF5-211-110		GUIDE,LED R
2	80-VT1-202-010		FELT,12.5-15.5-2	35	85-NFT-016-010		PANEL,TRAY E(ST)<K,EZ>
3	85-NF5-026-010		IND,CASS	35	85-NFT-009-010		PANEL,TRAY H(ST)<HR,HK,TH>
4	85-NF5-034-010		WINDOW,BOX 2	36	85-NFT-039-010		WINDOW,TOP(V-CD)
5	85-NF5-110-010		BOX,CASS R1000(S)<HR,HK,TH>	37	85-NF5-007-110		CAB,STEEL
5	85-NF5-094-010		BOX,CASS R1000<K,EZ>	38	85-NFT-036-010		PANEL,REAR EZSTNM<EZ>
6	82-NF5-219-010		SPR-T,EJECT 2 (SIN)	38	85-NFT-037-110		PANEL,REAR HKJSTNM<HK>
7	82-NF5-218-010		SPR-T,EJECT 1 (SIN)	38	85-NFT-019-110		PANEL,REAR HRJSTNM<HR>
8	85-NF5-109-010		BOX,CASS L1000(S)<HR,HK,TH>	38	85-NFT-040-010		PANEL,REAR THSTNM<TH>
8	85-NF5-093-010		BOX,CASS L1000<K,EZ>	38	85-NFT-035-010		PANEL,REAR KSTNM<K>
9	80-CD3-218-110		SPR-P CASS	39	87-050-079-010		AC-CORD ASSY,E
10	85-NF5-033-010		WINDOW,BOX 1	40	87-085-185-010		BUSHING,AC CORD E
11	85-NF5-021-010		KEY,DSP	41	87-085-221-010		FOOT,H13.5
12	82-NF5-226-010		HLDR,LOCK 1N	42	82-NF5-227-010		HLDR,LOCK 2N
13	85-NFT-033-110		PANEL,CONTROL EX	43	82-NF5-228-010		SPR-C,LOCK
14	85-NF5-035-010		WINDOW,DISPLAY	44	82-NE8-215-010		W 4.2-7-0.18
15	87-063-165-010		OIL-DMPR 150	45	81-532-080-010		LBL,CASS-COMPT
16	82-NE6-067-010		BADGE,AIWA 30N(*)	46	85-NF7-599-010		PVCW,3.2-8-0.3
17	85-NFT-032-010		KEY,KARAOKE EX	47	87-084-077-010		NYLON RIVET 3.5-4.5
18	85-NF5-099-010		KEY,POWER 1000	48	87-099-811-010		PLUG,ADPTR CONV(K)<HK>
19	85-NF5-032-110		WINDOW,CD	A	87-571-032-410		VIT+2-3
20	85-NF5-027-010		KEY,DUBB	B	87-067-689-010		BVTT+3-8
21	85-NF5-097-010		KEY,OPEN 1000	C	87-067-633-010		BVT2+3-8 W CONVEX
22	85-NF5-012-010		KEY,DISC	D	87-067-698-010		BVT2+3-18(W/O,SLOT)
23	83-NF5-020-010		KNOB,MIC	E	87-067-579-010		BVT2+3-8(W/O SLOT)
24	85-NF5-106-010		KNOB,VOL 1000	F	87-067-703-010		BVT2+3-10(W/O SLOT)
25	83-NF5-010-010		IND,VOL	G	87-571-092-410		VIT+3-4 GLD
26	85-NF5-022-010		KEY,GEQ	H	87-591-094-410		QIT+3-6
27	85-NFT-004-010		KEY,BBE (V-CD)	I	87-067-975-010		S-SCREW,IT+4-8
28	82-NF5-229-010		PLATE,LOCK	J	87-721-097-410		QT2+3-12 GLD
29	85-NF5-014-110		KEY ASSY,FUN	K	87-078-165-010		UTT2+3-6(W/O SLOT)BL
30	85-NF5-019-010		KEY,OPE	L	87-078-084-010		BVTT+3-6 W,CONVEX
31	85-NF5-202-010		GUIDE,OPE				
32	82-NF5-212-010		GUIDE,FL				

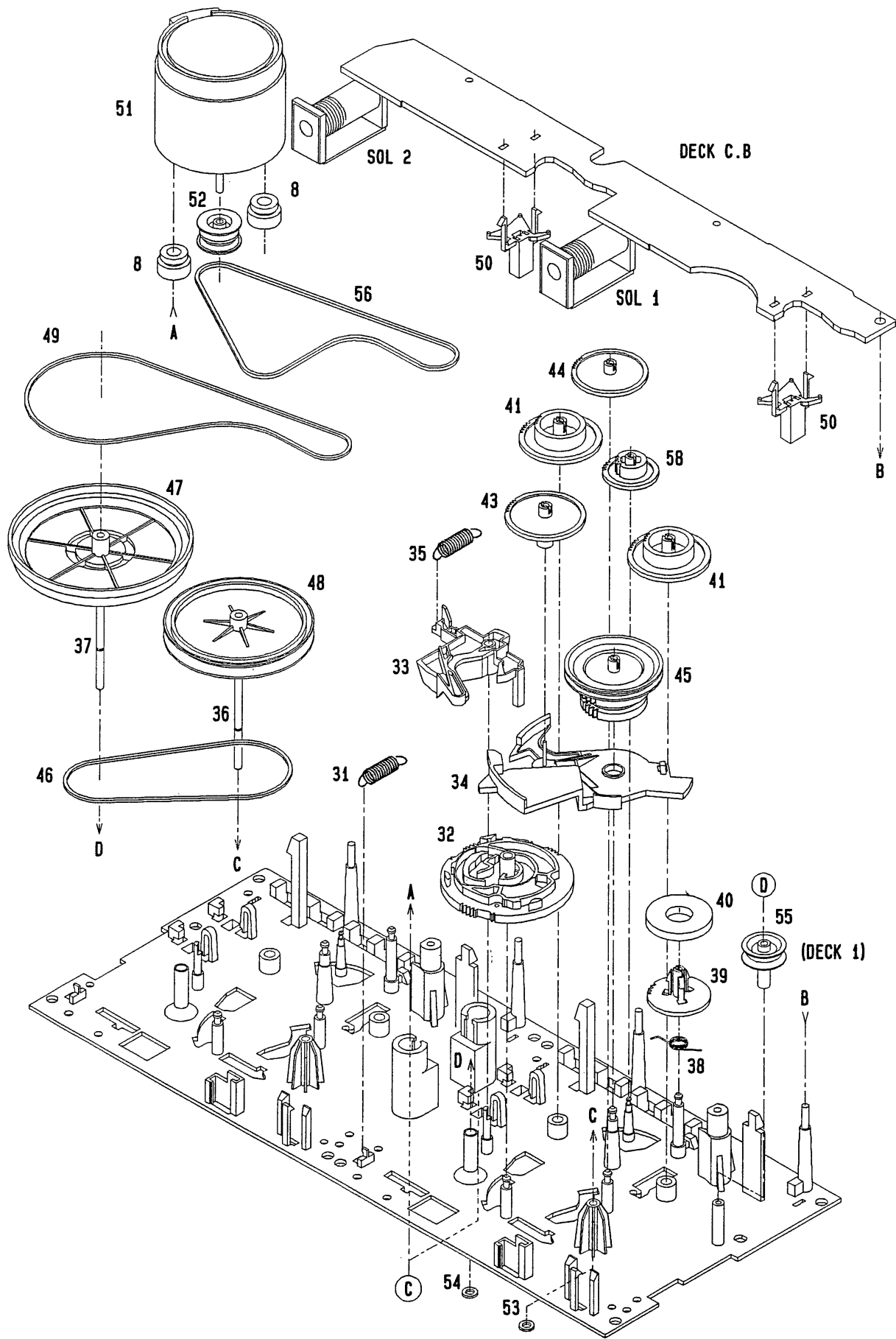
# TAPE MECHANISM PARTS LIST 1 / 1

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

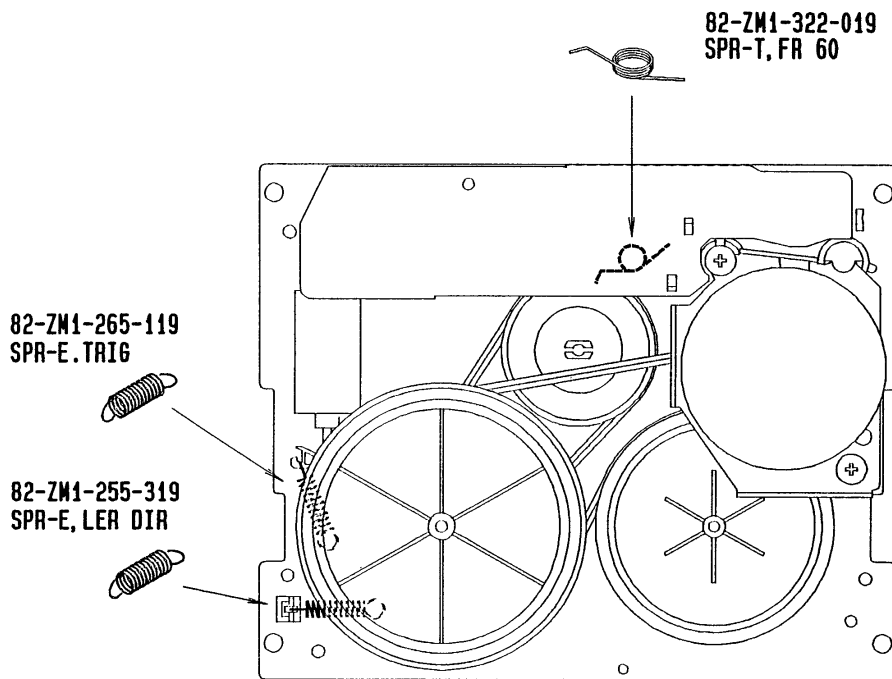
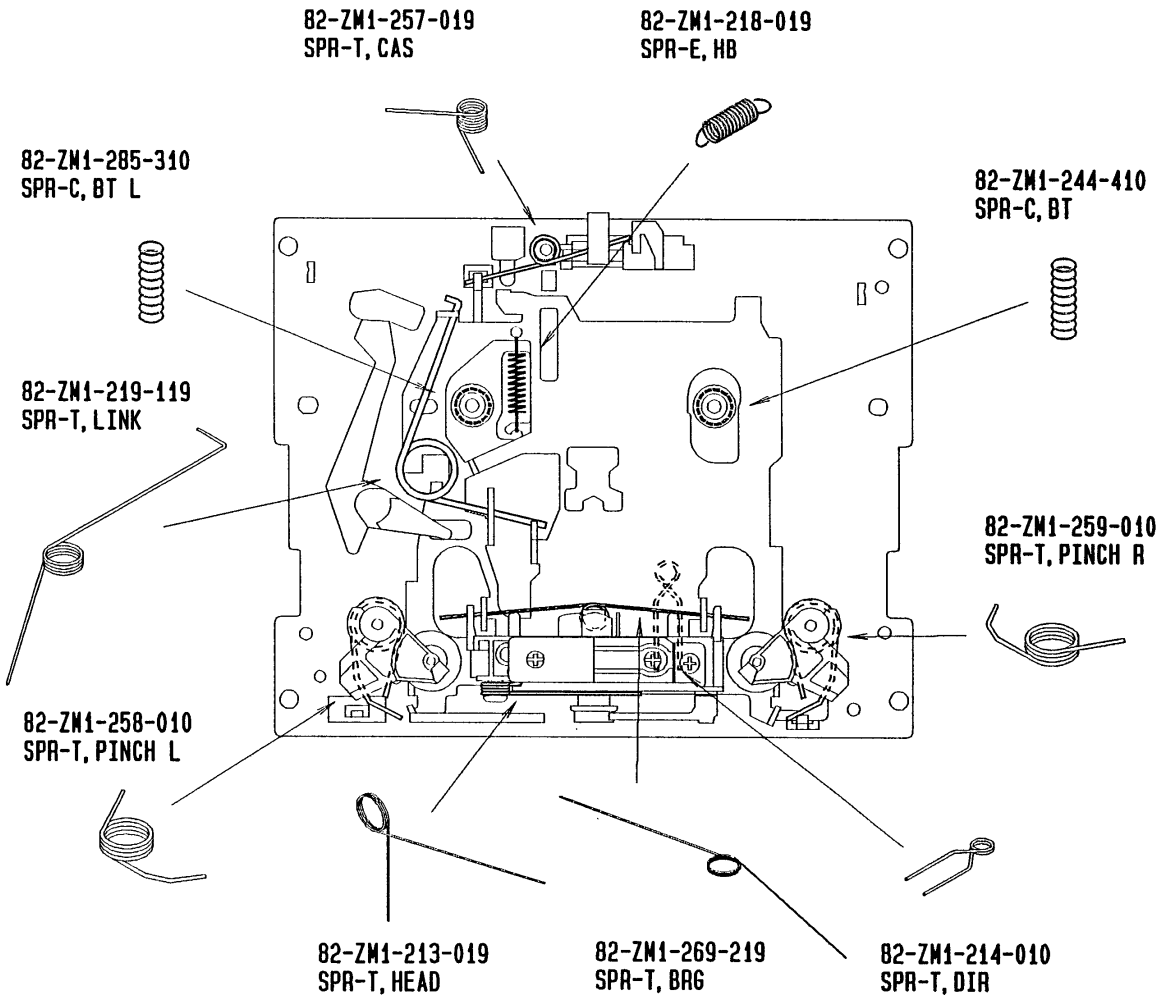
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1	82-ZM3-301-019		CHAS ASSY, M2	35	82-ZM1-265-119		SPR-E, TRIG
2	82-ZM1-258-010		SPR-T, PINCH L	36	82-ZM1-313-019		CAPSTAN N 2-41.5
3	82-ZM1-248-419		LVR ASSY, PINCH L	37	82-ZM1-312-019		CAPSTAN N 2.2-41.7
4	82-ZM1-295-31K		PLATE ASSY, LINK	38	82-ZM1-322-019		SPR-T, FR60
5	82-ZM1-266-11K		LVR, DIR	39	82-ZM1-220-219		GEAR, IDLER
6	82-ZM1-214-010		SPR-T, DIR	40	82-ZM1-316-010		RING MAGNET 3
7	82-ZM1-206-61K		CHAS, HEAD	41	82-ZM1-216-21K		GEAR, REEL
8	82-ZM3-307-019		CUSH-G, DIA3.7-8-3.2	42	87-046-355-019		HEAD, PH HADKH2529B(PH)
9	82-ZM1-269-219		SPR-T, BRG	42	87-046-356-019		HEAD, RPH HADKH5581B(RPH)
10	82-ZM1-219-119		SPR-T, LINK	43	82-ZM1-225-11K		GEAR, FR
11	82-ZM1-210-019		GEAR, H T	44	82-ZM1-226-019		GEAR, REW
12	82-ZM1-213-019		SPR-T, HEAD	45	82-ZM1-228-510		SLIP DISK ASSY
13	82-ZM1-207-519		GUIDE, TAPE	46	82-ZM1-328-010		BELT FR2 (DECK 1)
14	82-ZM1-283-310		S-SCREW, AZIMUTH	46	82-ZM1-335-010		BELT FR2M (DECK 2)
15	82-ZM1-314-119		PLATE, HEAD	47	82-ZM1-238-61K		FLY-WHL ASSY, R (DECK 2)
16	82-ZM1-208-019		HLDR, HEAD	47	82-ZM3-210-51K		FLY-WHL ASSY, R2 (DECK 1)
17	82-ZM1-218-019		SPR-E, HB	48	82-ZM1-235-31K		FLY-WHL ASSY, L (DECK 2)
18	82-ZM1-263-110		LVR, EJECT L (DECK 1)	48	82-ZM3-208-41K		FLY-WHL ASSY, L2 (DECK 1)
18	82-ZM1-264-010		LVR, EJECT R (DECK 2)	49	82-ZM3-313-019		BELT R10
19	82-ZM1-222-11K		LVR, PLAY	50	82-ZM1-245-210		HLDR, IC
20	82-ZM1-217-319		REEL TABLE	51	87-045-347-019		MOT, SHU2L 70 (M1)
21	82-ZM1-244-410		SPR-C, BT	52	82-ZM3-202-019		PULLEY, MOT 2M
22	82-ZM1-285-310		SPR-C, BT L	53	82-ZM1-288-019		SH, 1.63-3.2-0.5 SLT
23	82-ZM1-257-019		SPR-T, CAS	54	80-ZM6-243-019		SH, 1.75-3.6-0.5 SLT
24	82-ZM1-241-319		LVR, MC	55	82-ZM3-304-010		PULLEY, COUPLER (DECK 1)
25	82-ZM1-242-019		LVR, CAS	56	82-ZM3-312-019		BELT P10
26	82-ZM1-243-019		LVR, STOP	57	82-ZM3-216-019		SHAFT, COUPLER N (DECK 1)
27	82-ZM1-253-419		LVR ASSY, PINCH R	58	82-ZM1-223-019		GEAR, PLAY
28	82-ZM1-259-010		SPR-T, PINCH R	A	82-ZM1-315-010		S-SCREW, GVIDE TAPE
29	82-ZM1-240-11K		LVR, REC (DECK 2)	B	80-ZM6-207-019		V+1.6-7
30	82-ZM1-298-010		SPR-P, EARTH	C	82-ZM3-318-019		S-SCRW MOTOR M2
31	82-ZM1-255-319		SPR-E, LVR DIR	D	87-067-972-019		PW, 1.05-3-0.25 SLT
32	82-ZM3-305-01K		GEAR, CAM M2				
33	82-ZM1-227-21K		LVR, TRIG				
34	82-ZM3-306-01K		LVR, FR M2				

TAPE MECHANISM EXPLODED VIEW 1 / 1



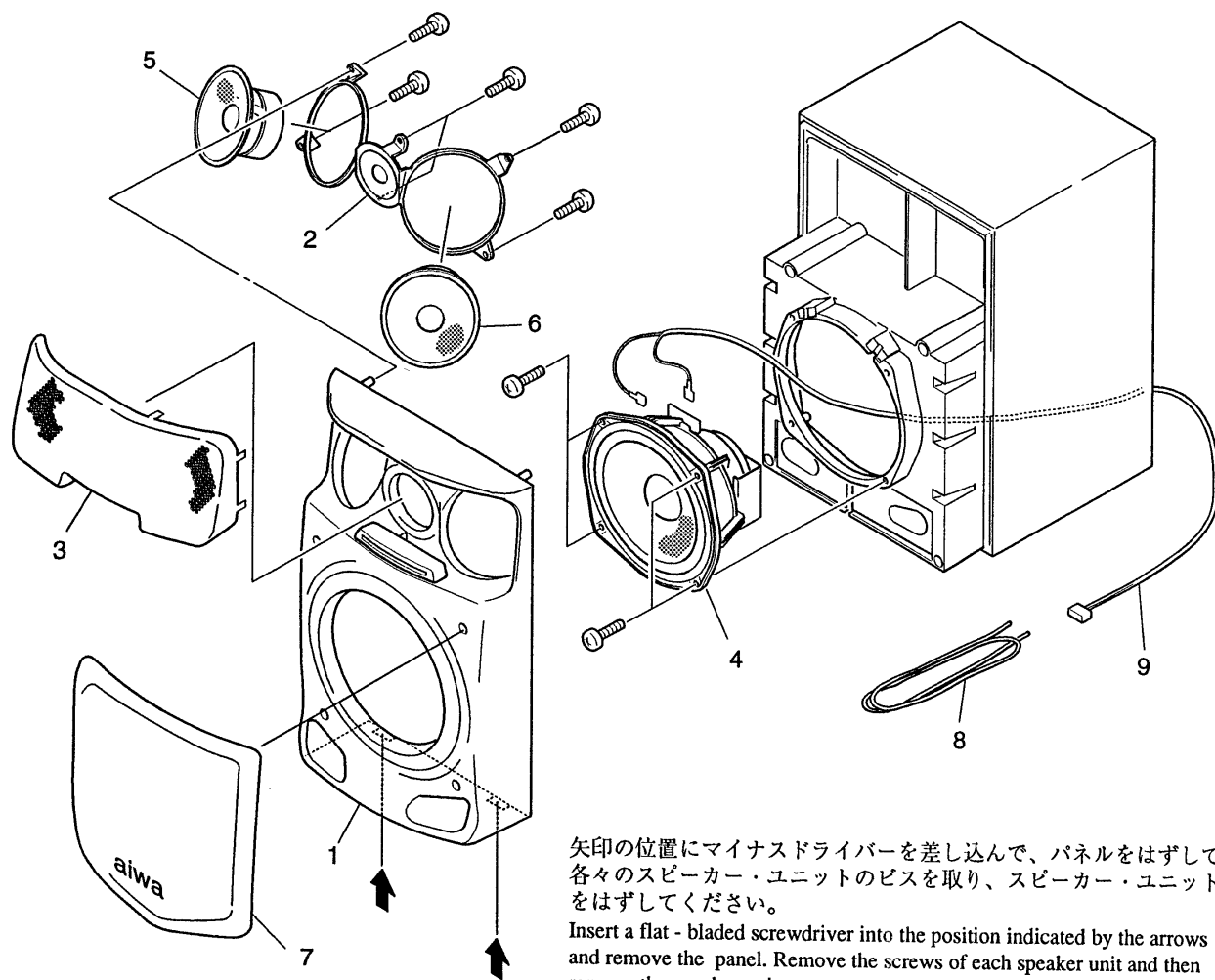


**SPRING APPLICATION POSITION**





# SPEAKER EXPLODED VIEW 1 / 1



矢印の位置にマイナスドライバーを差し込んで、パネルをはずして、各々のスピーカー・ユニットのビスを取り、スピーカー・ユニットをはずしてください。

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.

# SPEAKER 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	85-NS6-047-010		PANEL FR,ST	6	83-NS8-608-010		SPEAKER
2	85-NS5-011-010		ADAPTOR ASSY	7	85-NS6-011-010		GRILL FRAME ASSY
3	85-NS6-010-010		SPEAKER GRILL	8	83-NS5-613-010		SPEAKER CORD ASSY
4	85-NS6-602-010		SPEAKER WOOFER	9	85-NS5-614-010		CORD 4P<HR, HK, TH>
5	83-NS8-606-010		SPEAKER MID				

## ■ 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.	カンリ NO.	DESCRIPTION
1	85-NFT-903-010		IB, H(ESC)-M<HR, HK, TH>
1	85-NFT-904-010		IB, E(EGFSI)-M<EZ>
2	82-NF5-718-010		CORD, PIN
3	85-NFT-620-110		RC, RC-T520
4	87-006-225-010		AM LOOP ANT NC2<K, EZ>
4	87-006-240-010		AM LOOP ANT CON(KO)<HR, HK, TH>
5	87-043-095-010		ANTENNA WIRE<HR, HK, TH>
5	87-043-106-010		FM, WIRE ANT (Z)<K, EZ>
6	87-043-115-010		ANT, FEEDER FM<HR, HK, TH>
7	87-099-789-010		PLUG, ADPTR IR44<HR, TH>
8	87-B30-014-010		MIC, DM-MF3 YJ
9	87-B30-016-010		CD, V-CD(E) NTSC<TH>
9	87-B30-017-010		CD, V-CD(E) PAL<EXCEPT TH>

# 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-SCREW
ヒンジ	HINGE
ヒンジビス	S-SCREW
ビスセレート	SCREW, SERRART

サービス技術ニュース	
番号	連絡内容
G - -	
G - -	
G - -	

**アイワ株式会社**  
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