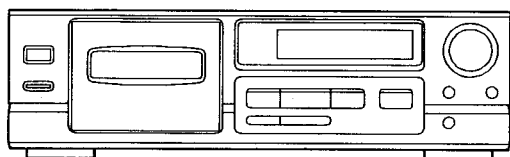


aiwa



AD-F550



STEREO CASSETTE DECK

• BASIC TAPE MECHANISM: ALP-14 S5N

• TYPE: HE,EE,E

MANUAL
SERVICE

SPECIFICATIONS

Type Stereo cassette deck

Track format

4 tracks, 2 channels

Power supply

AD-F550 E

AC 230V, 50 Hz

AD-F550 HE

AC 110–120V/220–240V switchable, 50/ 60 Hz

Power consumption

14 W

Frequency response

Metal tape: 20–19,000 Hz

CrO₂ tape: 20–18,000 Hz

Normal tape: 20–17,000 Hz

Signal-to-noise ratio

78 dB (METAL tape DOLBY C NR ON above 5 kHz)

Wow and flutter

0.065 % (WRMS)

0.18 % (DIN 45500)

Tape speed

4.75 cm/sec. (1⁷/₈ ips)

Recording system

AC bias (frequency 85 kHz)

Erase system AC erase

Motor DC servomotor × 1

Heads Recording/playback head × 1 (PC-OCC coil super DX head)

Erase head × 1 (Double-gap sendust head)

Inputs REC/LINE IN: 100 mV (MAX input sensitivity, 47 kΩ)

Outputs

PLAY/LINE OUT: 580 mV (0 dB)

Suitable load impedance over 47 kΩ

PHONES: 0.35 mV (0 dB)

Suitable load impedance 32 Ω

Dimensions

430 (W) × 133 (H) × 266 (D) mm

(17 × 5¹/₄ × 10¹/₂ inches)

Weight AD-F550: 3.7 kg (8.1 lbs)

- Design and specifications are subject to change without notice.
- Dolby noise reduction and HX Pro headroom extension manufactured under license from Dolby Laboratories Licensing Corporation. HX Pro originated by Bang & Olufsen. "DOLBY", the double-D symbol  and "HX PRO" are trademarks of Dolby Laboratories Licensing Corporation.

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.	カソリ NO.	DESCRIPTION
1	87-034-786-019		CORD PIN 189-0760
2	83-DS3-901-019		IB, EX
3	87-009-725-019		PLUG, ADPTR IR40 (HE)

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”.

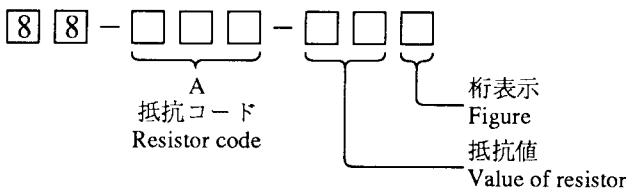
REF. NO	PART NO.	カンリ NO.	DESCRIPTION	REF. NO	PART NO.	カンリ NO.	DESCRIPTION
IC				C318	87-010-263-089		CAP, E 100-10
	87-001-334-019	IC, LB9051A		C319	87-010-382-089		CAP, E 22-25 SME
	87-017-738-019	IC, NJM2068LD		C320	87-018-131-089		CAP, TC-U 1000P-50 B
	87-017-465-019	IC, GD4066B		C321	87-014-212-089		CAP, PP 0. 015J
	87-002-727-019	IC, NJM4558L		C324	87-018-201-089		CAP, TC-U 5600P-16 X
	87-001-985-010	IC, HA12142NT					
	87-027-827-019	IC, TC4069UBP		C326	87-010-382-089		CAP, E 22-25 SME
	80-DS3-619-010	IC, LC6554H-4444		C327	87-010-403-089		CAP, E 3. 3-50 SME
	87-017-373-019	IC, NJH32H380A		C328	87-010-382-089		CAP, E 22-25 SME
				C401	87-018-133-089		CAP, TC-U 4700P-16 X
				C402	87-018-133-089		CAP, TC-U 4700P-16 X
TRANSISTOR				C411	87-010-544-089		CAP, E 0. 1-50
	87-026-462-089	TR, 2SC1740S(RS)		C412	87-010-544-089		CAP, E 0. 1-50
	89-503-735-089	TR, FET 2SK373-GR (TPE2)		C413	87-010-544-089		CAP, E 0. 1-50
	89-109-521-089	TR, 2SA952K		C414	87-010-544-089		CAP, E 0. 1-50
	89-320-011-089	TR, 2SC2001K		C415	87-010-404-089		CAP, E 4. 7-50 SME
	87-026-484-089	TR, DTC123JS					
	87-026-219-089	TR, DTA144ES		C416	87-010-404-089		CAP, E 4. 7-50 SME
	87-026-218-089	TR, DTC144ES		C419	87-010-404-089		CAP, E 4. 7-50 SME
	89-318-156-089	TR, 2SC1815BL		C420	87-010-404-089		CAP, E 4. 7-50 SME
	89-213-292-089	TR, 2SB1329, Q		C421	87-010-401-089		CAP, E 1-50 SME
	89-213-702-019	TR, 2SB1370E		C423	87-010-371-089		CAP, E 470-6. 3
	89-318-155-089	TR, 2SC1815GR					
	89-213-302-089	TR, 2SB1330Q		C424	87-010-235-089		CAP, E 470-16 SME
	89-112-965-089	TR, 2SA1296GR		C425	87-018-133-089		CAP, TC-U 4700P-16 X
	87-026-214-089	TR, DTA114YS		C426	87-018-133-089		CAP, TC-U 4700P-16 X
	87-026-216-089	TR, DTA124ES		C427	87-010-371-089		CAP, E 470-6. 3
	87-026-514-089	TR, DTC123YS		C501	87-010-401-089		CAP, E 1-50 SME
				C502	87-010-401-089		CAP, E 1-50 SME
				C503	87-010-263-089		CAP, E 100-10
				C504	87-010-263-089		CAP, E 100-10
				C505	87-010-263-089		CAP, E 100-10
				C517	87-010-546-089		CAP, E 0. 33-50 SME
DIODE				C518	87-010-546-089		CAP, E 0. 33-50 SME
	87-020-465-089	DIODE, 1SS133		C530	87-018-134-089		CAP, TC-U 0. 01-16 Y
	87-027-301-089	ZENER, HZ3A1		C551	87-010-401-089		CAP, E 1-50 SME
	87-020-123-089	DIODE DS446-AT (TA)		C552	87-010-401-089		CAP, E 1-50 SME
	87-001-408-080	DIODE GP 15B		C701	87-010-388-089		CAP, E 1000-25V SME
	87-002-219-089	ZENER, UTZJ 11B					
	87-001-913-089	ZENER, UTZJ5. 6B		C702	87-010-389-099		CAP, E 2200-25V SME
	87-001-918-089	ZENER, UTZJ22B		C703	87-010-382-089		CAP, E 22-25 SME
	87-001-559-089	DIODE ISS 131 (T-72)		C704	87-010-381-089		CAP, E 330-16 SME
	87-027-514-089	ZENER, HZ6B2		C707	87-010-382-089		CAP, E 22-25 SME
				C708	87-010-546-089		CAP, E 0. 33-50 SME
MAIN C. B				C709	87-010-404-089		CAP, E 4. 7-50 SME
C101	87-018-122-089	CAP, TC-U 180P-50 B		C710	87-018-134-089		CAP, TC-U 0. 01-16 Y
C102	87-018-122-089	CAP, TC-U 180P-50 B		C711	87-018-100-089		CAP, TC-U 4. 7P-50 SL
C111	87-010-404-089	CAP, E 4. 7-50 SME		C712	87-018-131-089		CAP, TC-U 1000P-50 B
C112	87-010-404-089	CAP, E 4. 7-50 SME		C714	87-018-119-089		CAP, TC-U 100P-50 B
C113	87-010-404-089	CAP, E 4. 7-50 SME					
C114	87-010-404-089	CAP, E 4. 7-50 SME		C715	87-010-401-089		CAP, E 1-50 SME
C119	87-018-134-089	CAP, TC-U 0. 01-16 Y		C716	87-010-382-089		CAP, E 22-25 SME
C201	87-018-121-089	CAP, TC-U 150P-50 B		C719	87-010-404-089		CAP, E 4. 7-50 SME
C202	87-018-121-089	CAP, TC-U 150P-50 B		C720	87-010-404-089		CAP, E 4. 7-50 SME
C203	87-018-132-089	CAP, TC-U 2200P-16 X		C721	87-010-263-089		CAP, E 100-10
C204	87-018-132-089	CAP, TC-U 2200P-16 X					
C205	87-010-404-089	CAP, E 4. 7-50 SME		C722	87-010-382-089		CAP, E 22-25 SME
C206	87-010-404-089	CAP, E 4. 7-50 SME		C725	87-018-123-089		CAP, TC-U 220P
C209	87-010-544-089	CAP, E 0. 1-50		C726	87-018-123-089		CAP, TC-U 220P
C210	87-010-544-089	CAP, E 0. 1-50		C751	87-010-247-089		CAP, E 100-50 SME
C211	87-018-201-089	CAP, TC-U 5600P-16 X		C752	87-010-263-089		CAP, E 100-10
C212	87-018-201-089	CAP, TC-U 5600P-16 X					
C301	87-018-121-089	CAP, TC-U 150P-50 B		J501	87-049-868-019		JACK, PIN 4P
C302	87-018-121-089	CAP, TC-U 150P-50 B		J502	87-099-460-019		JACK, 6. 3HP AU12. 5-11
C303	87-018-123-089	CAP, TC-U 220P-50 B		L201	82-231-622-089		COIL, 22MH-J
				L202	82-231-622-089		COIL, 22MH-J
				L203	87-003-131-089		COIL, 10MH J
				L204	87-003-131-089		COIL, 10MH J
				L301	80-DS6-618-019		COIL, HX 85K-6
				L302	80-DS6-618-019		COIL, HX 85K-6
				L303	80-DS6-617-010		COIL, OSC 85K-6
				L401	83-DS3-614-019		FLTR, MPX 85K
				L402	83-DS3-614-019		FLTR, MPX 85K
				SFR101	87-024-349-089		SFR, 1K DIA6 H
				SFR102	87-024-349-089		SFR, 1K DIA6 H
				SFR201	87-024-353-089		SFR, 10K DIA6 H
				SFR202	87-024-353-089		SFR, 10K DIA6 H
C317	87-010-401-089	CAP, E 1-50 SME					

REF. NO	PART NO.	カンリ NO.	DESCRIPTION	REF. NO	PART NO.	カンリ NO.	DESCRIPTION
SFR301	87-024-177-089		SFR 220K DIA. 6 V	S804	87-036-215-089		SW, TACT EVQ21404M
SFR302	87-024-177-089		SFR 220K DIA. 6 V	S805	87-036-215-089		SW, TACT EVQ21404M
FRONT C. B				S806	87-036-215-089		SW, TACT EVQ21404M
C801	87-010-235-089		CAP, E 470-16 SME	S807	87-036-215-089		SW, TACT EVQ21404M
C802	87-018-205-089		CAP, TC-U 0.022-25 F	S810	87-036-135-019		SW, SLIDE AXC 2-2-3 S
C803	87-010-235-089		CAP, E 470-16 SME	VR801	83-DS3-624-019		VR, 20KAX2 RK14K12D
C804	87-018-205-089		CAP, TC-U 0.022-25 F	VR802	83-DS3-608-119		VR, 200KW RK11K1130
C807	87-010-382-089		CAP, E 22-25 SME	VR803	83-DS3-607-019		VR, 10KB RK11K1130
C808	87-018-131-089		CAP, TC-U 1000P-50 B	X801	87-030-167-089		VIB, CER CST4. 0MHZ
C811	87-018-131-089		CAP, TC-U 1000P-50 B	POWER C. B			
C812	87-010-405-089		CAP, E 10-50 SME	△PT901	83-DS4-612-019		PT, E<EE, E>
C813	87-018-209-089		CAP, TC-U 0.1-50 F	△PT901	83-DS4-611-019		PT, H<HE>
C814	87-018-134-089		CAP, TC-U 0.01-16 Y	△S901	87-031-780-019		SW, SLIDE 1-1-2<HE>
C821	87-010-405-089		CAP, E 10-50 SME	W901	82-DW2-616-019		F-CABLE, 6P-2. 5
C822	87-010-405-089		CAP, E 10-50 SME	POWER SW C. B			
C823	87-010-401-089		CAP, E 1-50 SME	△C901	87-019-113-019		CAP, SG 0.0022E
C824	87-010-405-089		CAP, E 10-50 SME	△S902	87-036-184-019		SW, PUSH SDDL03. 2
C831	87-010-405-089		CAP, E 10-50 SME	DECK SW C. B			
C832	87-010-405-089		CAP, E 10-50 SME	SOL1	87-535-611-310		SOL, X-3 PL
FL801	83-DS4-620-019		FL, BJ283GK	SOL2	87-535-612-310		SOL, X-3 FR
L801	87-003-147-089		COIL, 22UH	SW1	87-036-109-019		SW, SPPB 61
LED822	87-001-124-089		LED, SLZ 381C-02-T1	SW2	87-036-110-019		SW, SPPB 62
LED823	87-001-123-089		LED, SLZ 981C-02T1	SW3	87-036-110-019		SW, SPPB 62
LED824	87-002-885-089		LED, SLZ481C-02 ABY	SW5	87-036-109-019		SW, SPPB 61
R877	87-025-468-089		RES, NF1. 5-1/4W J				
S801	87-036-215-089		SW, TACT EVQ21404M				
S802	87-036-215-089		SW, TACT EVQ21404M				
S803	87-036-215-089		SW, TACT EVQ21404M				

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

Chip resistor part coding



チップ抵抗
Chip resistor

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
1/10W	2125	±5%	CJ		2	1.25	1.45
1/8W	3216	±5%	CJ		3.2	1.6	0.5 ~0.7

BLOCK DIAGRAM—1

A MAIN C.B.

B FRONT C.B. (1/3)

B FRONT C.B. (2/3)

B FRONT C.B. (3/3)

E DECK C.B.

POWER

KEY

FL1, 2

Q809 LED DRIVER

GRAPHIC SYMBOLS PRINTED CIRCUIT BOARD OF
ELECT. CAP. ARE DESIGNED AS NEGATIVE POLE.

(プリント基板内のケミコンの極性表示は⊖表示です。)

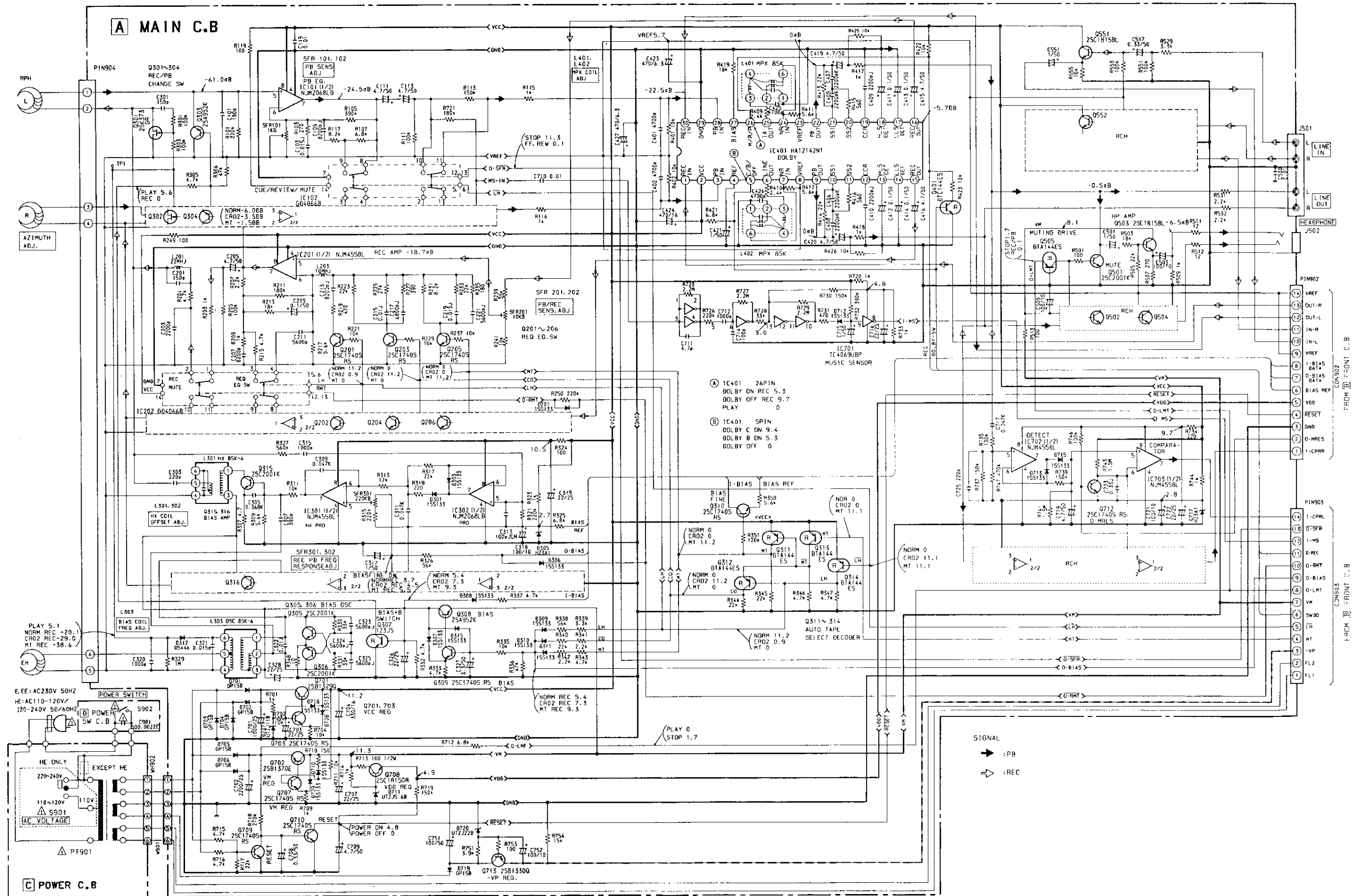
A MAIN C.B

C POWER
C.B

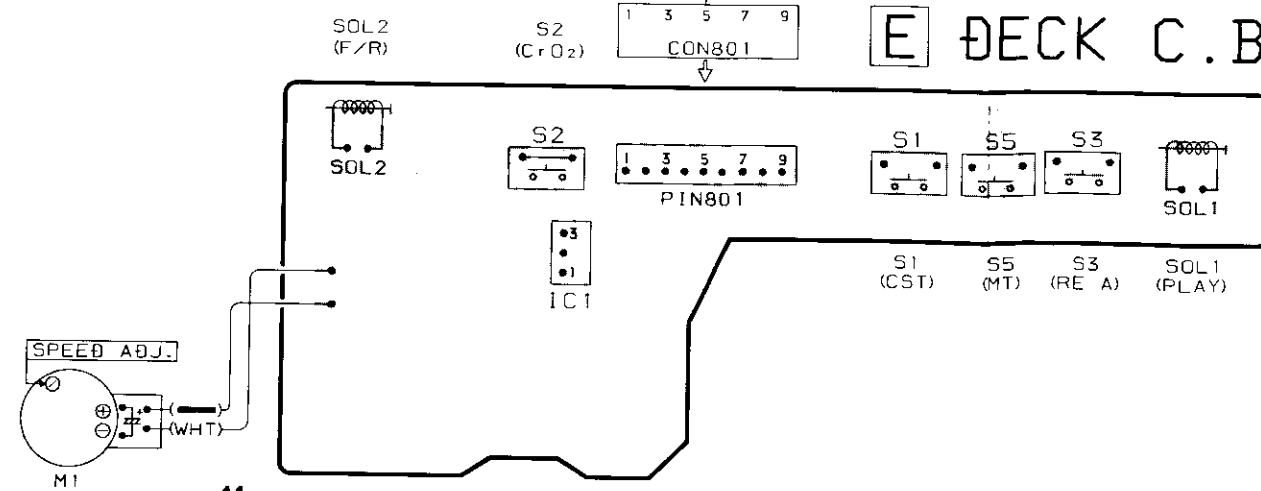
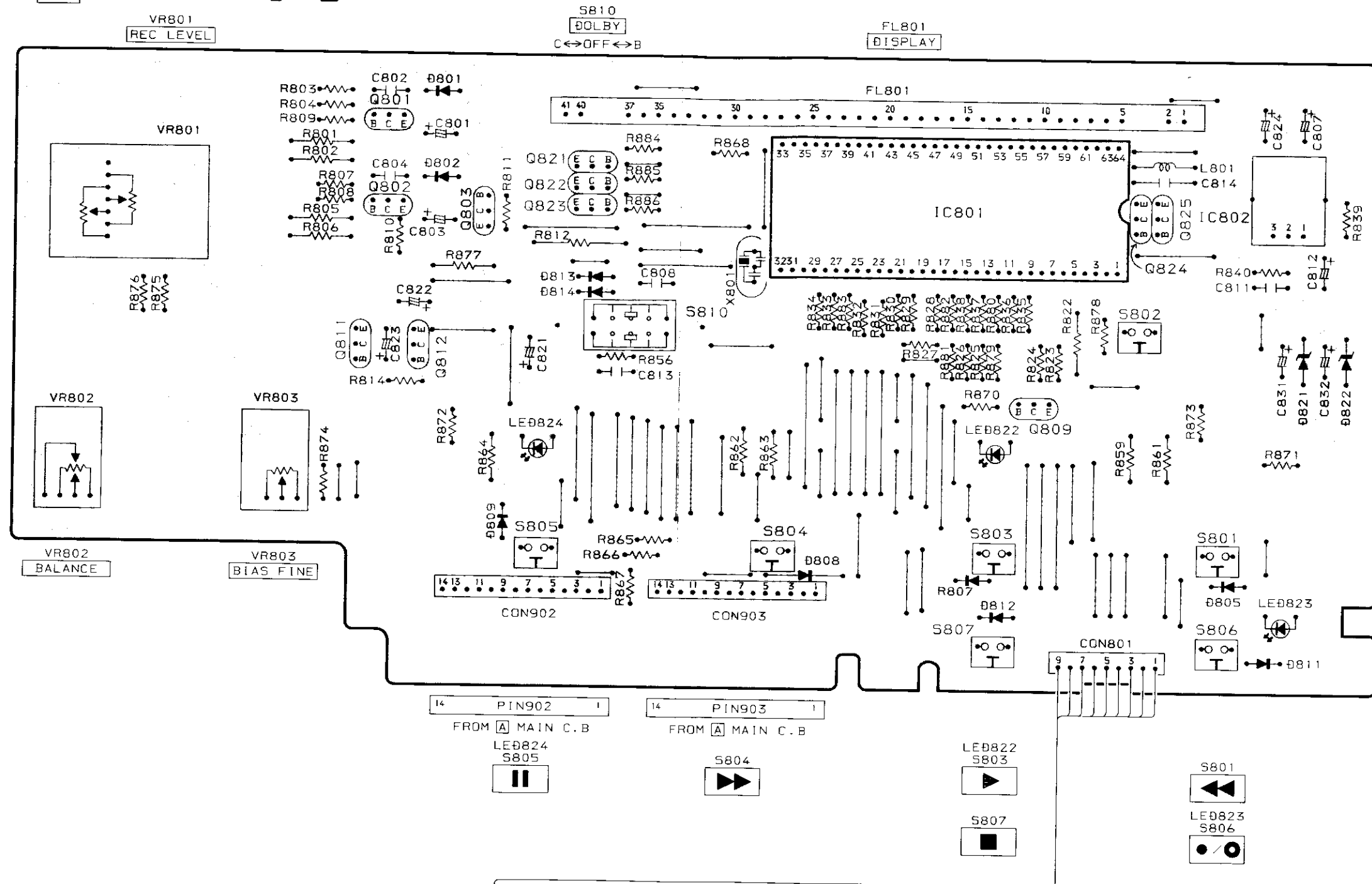
D POWER SW C.B

EE, E: AC 230V 50HZ
HE: AC 110 ~ 120V/220 ~ 240V
50/60HZ

SCHEMATIC DIAGRAM—1

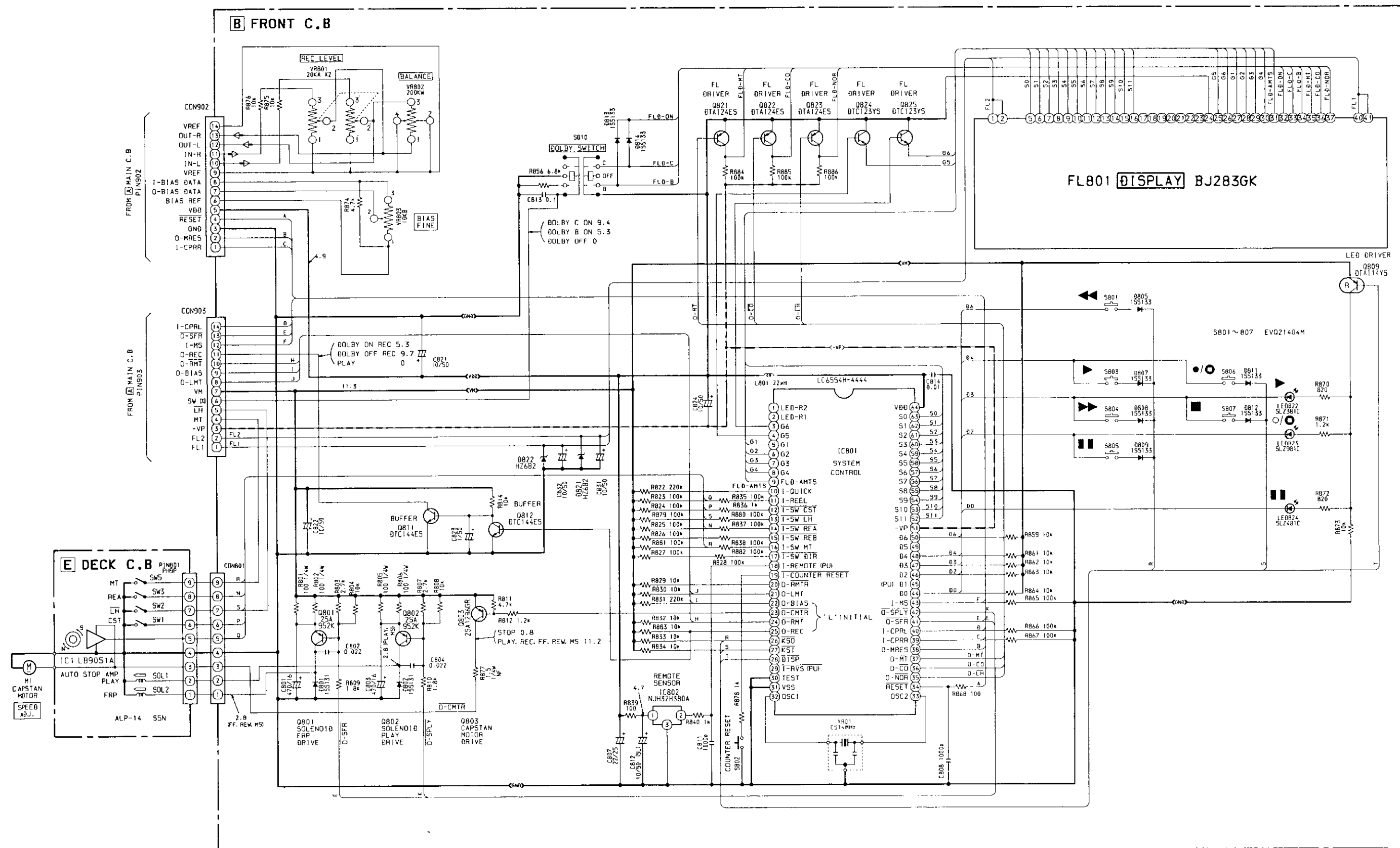


B FRONT C.B



GRAPHIC SYMBOLS PRINTED CIRCUIT BOARD OF ELECT. CAP. ARE DESIGNED AS NEGATIVE POLE.

(プリント基板内のケミコンの極性表示は⊖表示です。)



IC DESCRIPTION

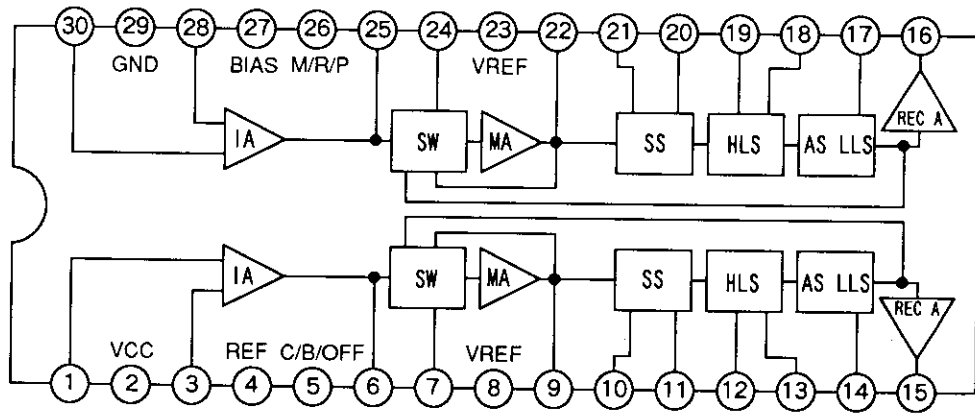
IC, LC6554H-4444

Pin No.	Pin Name	I/O	Description
1	LED-R2	O	Level meter LED display output (Rch -5 dB). active "H" (Not used)
2	LED-R1	O	Level meter LED display output (Rch -10 dB). active "H" (Not used)
3	G6	O	Digit output for FL display.
4	G5	O	Digit output for FL display.
5	G1	O	Digit output for FL display.
6~8	G2~G4	O	Digit output for FL display.
9	FLD-AMTS	O	FL display AMTS.
10	I-QUICK	I	QUICK reverse detection input. "H" input during quick reverse.
11	I-REEL	I	Reel pulse detection input.
12	I-SW CST	I	Cassette detection switch. "L" when a cassette is loaded.
13	I-SW LH	I	CrO ₂ hole detection switch. "H" when cassette uses CrO ₂ tape.
14	I-SW REA	I	Erasure prevention detection switch for side A. "L" when side A is recordable.
15	I-SW REB	I	Erasure prevention detection switch for side B. "L" when side B is recordable.
16	I-SW MT	I	Metal hole detection switch. "H" when cassette used metal tape. (Connected to GND)
17	I-SW DIR	I	Direction detection switch. "L" for side A.
18	I-REMOTE	I	Remote control input.
19	I-COUNTER	I	Counter reset.
20	O-RMTR	O	Reel motor control output. "L" when reel motor is rotating.
21	O-LMT	O	Line mute output. "H" during muting. "L" in REV mode during recording.
22	O-BIAS	O	Bias oscillator control output. "L" in REC mode.
23	O-CMTR	O	Capstan motor control output. "L" when capstan motor is rotating and the power is on for AUTO SENSOR/QUICK SENSOR.
24	O-RMT	O	REC mute control output. "L" during muting. All "L" in other than REC PLAY mode.
25	O-REC	O	DOLBY IC record switch. "H" when recording.
26	KS0	O	DATA0 - DATA6 KEY SCAN Output.
27	KS1	O	
28	DISP	O	DATA0 - DATA6 LED scan output.
29	I-RVS	I	REVERSE mode input. "L" during REVERSE mode. (Not used)
30	TEST	-	CPU test terminal. Connected to GND.
31	VSS	-	Connected to GND.
32	OSC1	-	4 MHz clock oscillator terminal.
33	OSC2	-	
34	RESET	-	CPU reset terminal.
35	O-NOR	O	Output for display indicating normal tapes.
36	O-CO	O	Output for display indicating CrO ₂ tapes.

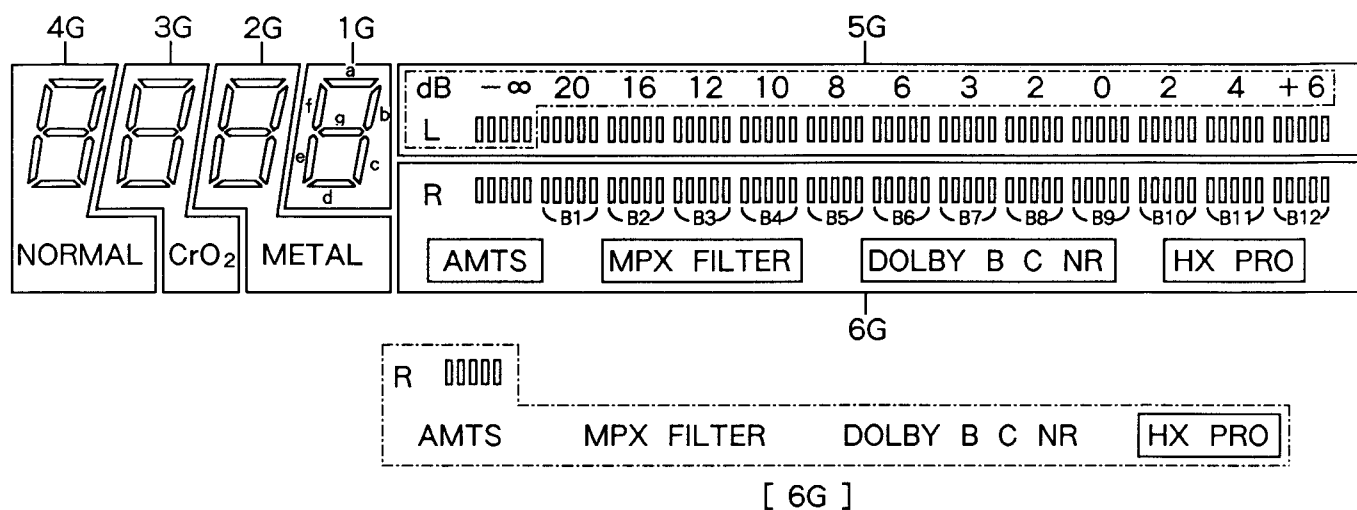
Pin No.	Pin Name	I/O	Description
37	O-MT	O	Output for display indicating metal tapes.
38	O-MRES	O	Output for 8-point peak meter.
39	I-CPRR	I	Right channel peak meter input.
40	I-CPRL	I	Left channel peak meter input.
41	O-SFR	O	F/R solenoid control output. "L" when solenoid bar is drawn into coil.
42	O-SPLY	O	PLAY solenoid control output. "L" when solenoid bar is drawn into coil.
43	I-MS	I	Music sensor detect input. "L" when music sensor is on.
44	D0	O	KS0 KS1 DISP SW LED PAUSE
45	D1	O	SW
46	D2	O	KEY PAUSE SW LED REC/RMT
47	D3	O	KEY >> KEY STOP LED PLAY-FWD
48	D4	O	KEY > KEY REC/RMT LED PLAY-REV
49	D5	O	KEY < SW TIMER REC LED
50	D6	O	KEY << SW TIMER PLAY LED
51	-VP	-	Makes plate voltage connection for flourescent .
52~63	S11~S0	O	SEGMENT output FL display.
64	VDD	-	CPU power supply terminal. (+5 V)

IC BLOCK DIAGRAM

IC, HA12142NT



FL DIAGRAM BJ283GK

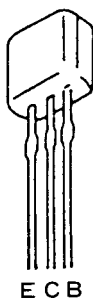


	6G	5G	4G	3G	2G	1G		6G	5G	4G	3G	2G	1G
S0	B1	B1	d	d	d	d	S10	B11	B11	—	—	—	—
S1	B2	B2	c	c	c	c	S11	B12	B12	—	—	—	—
S2	B3	B3	e	e	e	e	FLD - NOR	—	—	NORMAL	—	—	—
S3	B4	B4	g	g	g	g	FLD - CO	—	—	—	CrO2	—	—
S4	B5	B5	f	f	f	f	FLD - MT	—	—	—	—	METAL	—
S5	B6	B6	b	b	b	b	FLD - C	C	—	—	—	—	—
S6	B7	B7	a	a	a	a	FLD - B	B	—	—	—	—	—
S7	B8	B8	—	—	—	—	FLD - ON (MPX FILTER)	—	—	—	—	—	—
S8	B9	B9	—	—	—	—	FLD - AMTS (DOLBY B C NR)	—	—	—	—	—	—
S9	B10	B10	—	—	—	—	FLD - AMTS (AMTS)	—	—	—	—	—	—
								S1	S1	—	—	—	—

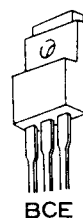
TRANSISTOR ILLUSTRATION



2SA952
2SA1296
2SC1815
2SC2001



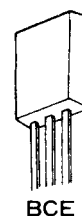
2SC1740
DTA114YS
DTA124ES
DTA144ES
DTC123
DTC144ES



2SB1370

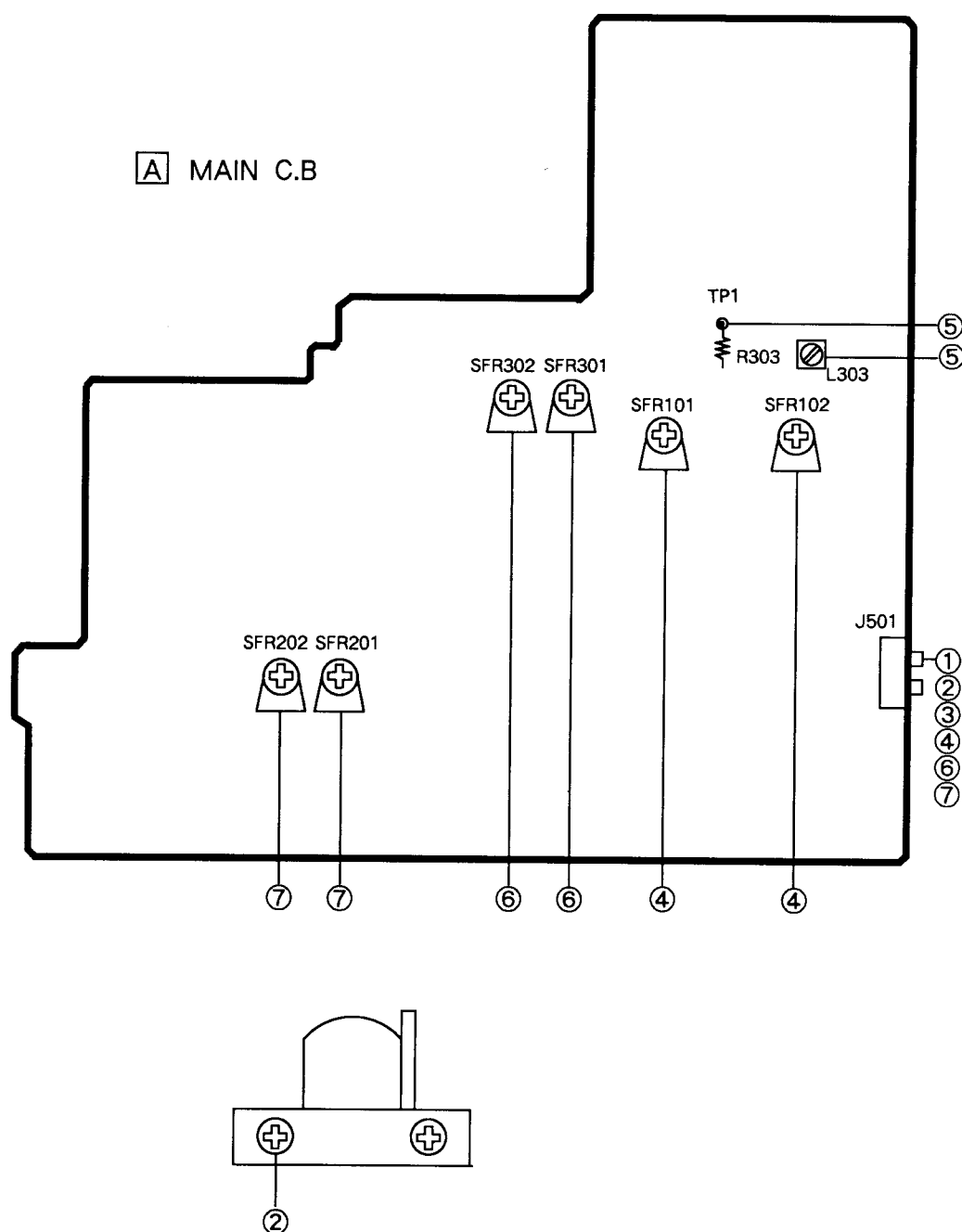


2SK373



2SB1329
2SB1330

ADJUSTMENT



1. Tape Speed Adjustment

Settings : • Test tape : TTA-100
 • Test point : J501 (LINE OUT)
 • Adjustment location : SFR in MECHA MOTOR.

Method : Play back the test tape and adjust SFR so that the frequency counter reads $2990 \pm 10\text{Hz}$.

Method : Play back the 10kHz signal of the test tape and adjust screw so that the output becomes maximum.

2. Head Azimuth Adjustment

Settings : • Test tape : TTA-310
 • Test point : J501 (LINE OUT)
 • Adjustment location : Head azimuth adjustment screw

3. PB Frequency Response Check

Settings : • Test tape : TTA-310
 • Test point : J501 (LINE OUT)

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 $\pm 2.5\text{dB}$.

4. PB Sensitivity Adjustment

Settings : • Test tape : TTA-200
• Test point : J501 (LINE OUT)
LOAD 47k Ω
• Adjustment location : SFR101 (Lch)
SFR102 (Rch)

Method : Play back the test tape and adjust SFRs so that the output level of the test point becomes $520 \pm 20\text{mV}$.

5. Bias OSC. Frequency Adjustment

Settings : • Test tape : TTA-630
• Test point : TP1 (R303)
• Adjustment location : L303

Method : Set to the REC mode and adjust L303 so that the frequency counter of the test point reads $85\text{kHz} \pm 0.2\text{kHz}$.

6. REC/PB Frequency Response Adjustment

Settings : • Test tape : TTA-601
• Test point : J501 (LINE OUT)
• Input signal : 1kHz/15kHz
(LINE IN)
• BIAS VR : Center
• DOLBY NR : OFF
• Adjustment location : SFR301 (Lch)
SFR302 (Rch)

Method : Apply a 1kHz signal and adjust REC LEVEL VR attenuator so that the output level at the LINE OUT jack is 37mV.
Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output of the 10kHz signal is $0\text{dB} \pm 0.5\text{dB}$ with respect to that of the 1kHz signal.

7. REC/PB Sensitivity Adjustment

Settings : • Test tape : TTA-601
(TTA-600)
• Test point : J501 (LINE OUT)
• Input signal : 1kHz
(LINE IN)
• REC SENS. VR : CENTER
• Adjustment location : SFR201 (Lch)
SFR202 (Rch)

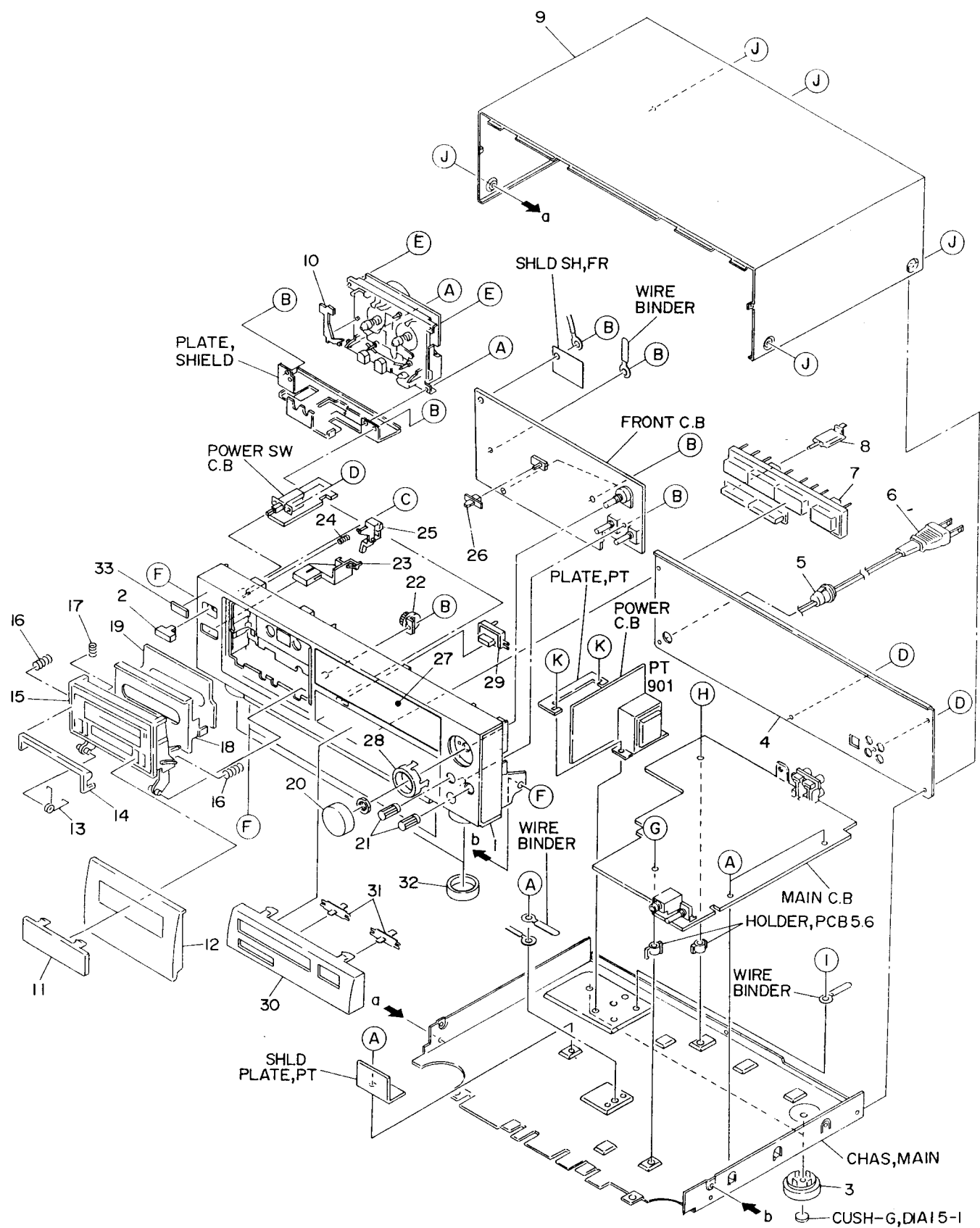
Method : Apply a 1kHz signal and adjust REC LEVEL VR so that the output level at the J501 (LINE OUT) is 37mV.
Record and play back the 1kHz signal and adjust SFRs so that the output is $0 \pm 0.5\text{dB}$.

PRACTICAL SERVICE FIGURE

DECK SECTION

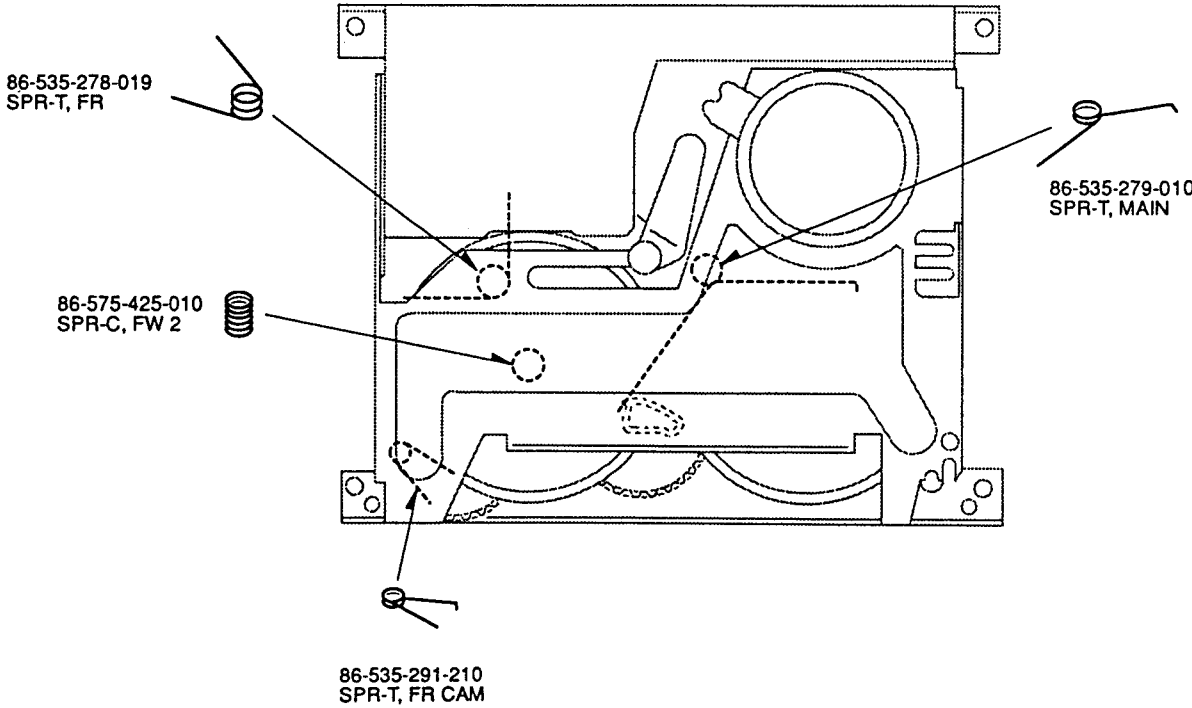
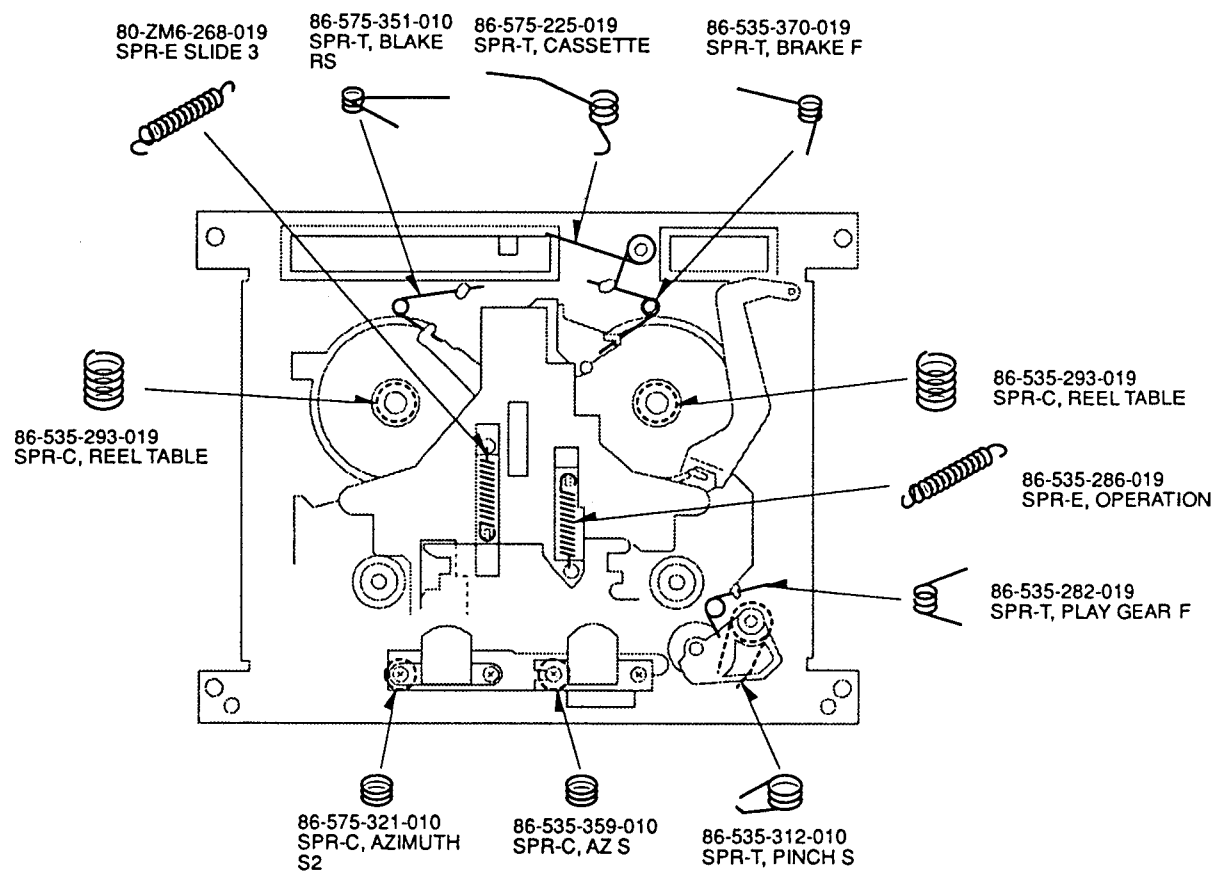
Tape speed : $3000\text{Hz} \pm 1.5\%$
Wow & flutter : Less than 0.08% (W.RMS)
Take-up torque : 25~65g-cm (FWD, REV)
F.F torque : 80~160g-cm
Rew torque : 80~160g-cm
Back tension : 2~6g-cm
PB Output level : $520 \pm 50\text{mV}$ (Line OUT)
REC/PB Output level : $370\text{mV} \pm 1\text{dB}$ (0VU)
Distortion (REC/PB) : Less than 2% (NORM, CrO₂)
Noise level (PB) : Less than 2.2mV/3.3mV
(DOLBY B NR ON/OFF CrO₂,
EMPTY TAPE, LINEAR)
Less than 2.4mV/4.4mV
(DOLBY B NR ON/OFF
NORM, EMPTY TAPE, LINEAR)
Noise level (REC/PB) : Less than 2.3mV/4.7mV
(DOLBY B NR ON/OFF
NORM, WTD)
Less than 1.9mV/3.7mV
(DOLBY B NR ON/OFF
CrO₂, WTD)
Crosstalk : More than 60dB (1kHz, 0VU)
Erasing ratio : More than 60dB (125Hz)
Channel separation : More than 32dB (1kHz, 0VU)
REC bias frequency : 85kHz
Test tape : NORMAL TTA-601/600
CrO₂ TTA-610
METAL TTA-630
PB TTA-200

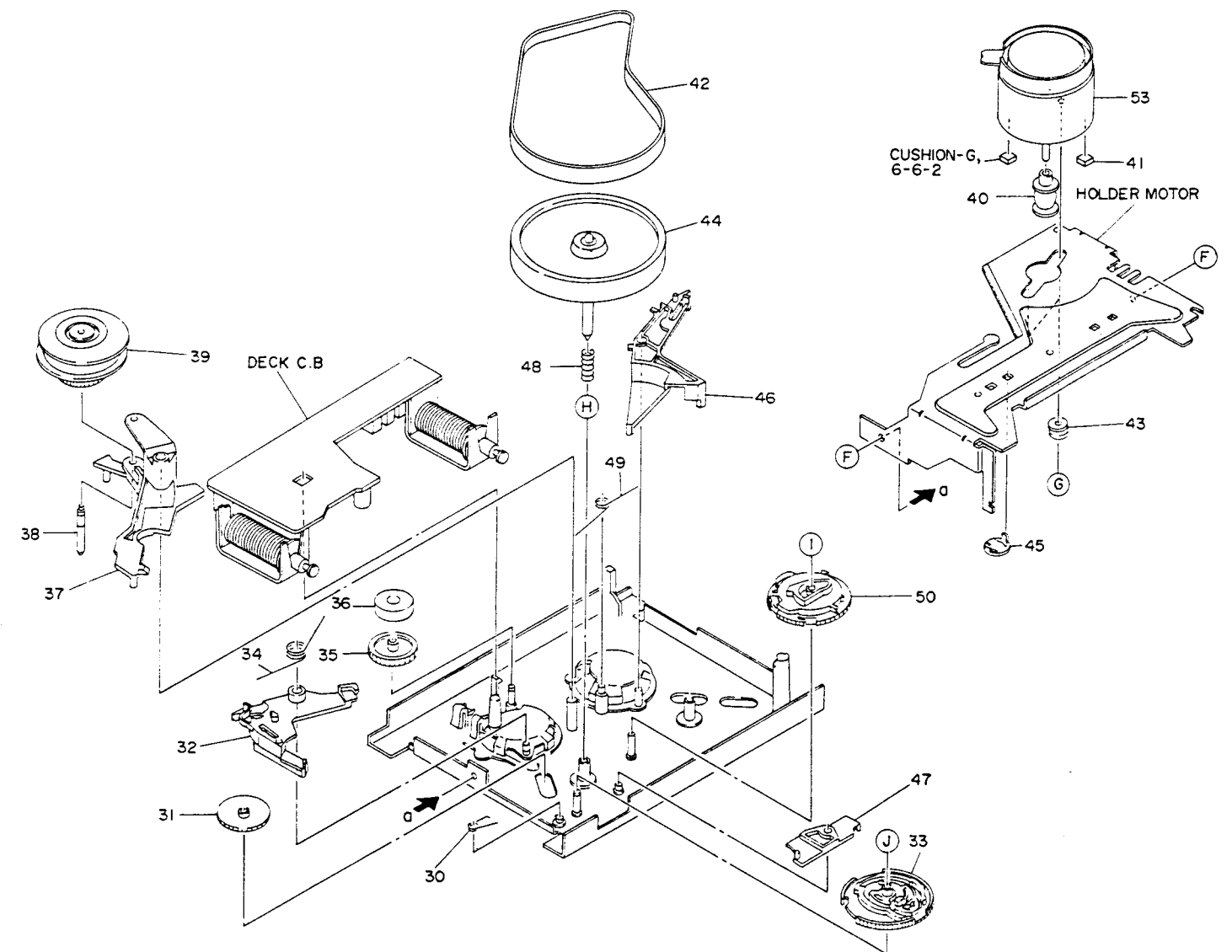
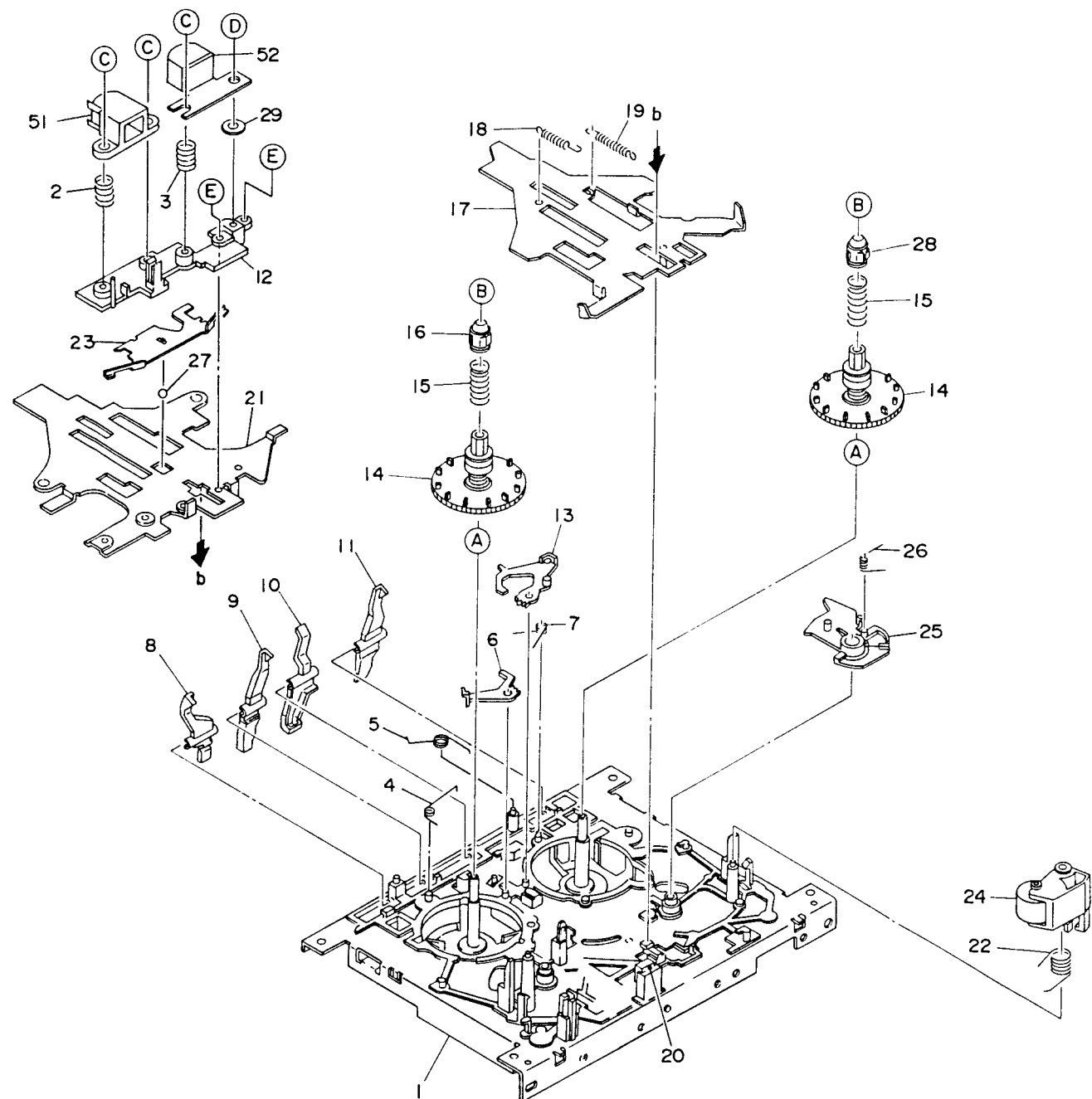
MECHANISM EXPLODED VIEW—1/1



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-DS4-001-019		CAB, FR 4	25	80-DS3-203-019		LVR, EJECT
2	82-AA1-016-019		BTN, POWER	26	80-DW1-012-019		KNOB, SLIDE
3	81-669-018-019		FOOT, REAR	27	83-DS4-003-019		WINDOW, DISP
4	83-DS4-006-019		PANEL, REAR EBN (EE, E)	28	83-DS3-005-019		RING, VOL
4	83-DS4-005-019		PANEL, REAR HEJBN (HE)	29	83-DS4-004-019		KEY, RESET
△	5	87-085-185-010	BUSHING, AC CORD E	30	83-DS4-002-019		DUMMY, FR
6	87-050-034-019		AC CORD ASSY, E	31	83-DS3-008-019		INDI, PLAY
7	83-DS3-007-019		KEY, PLAY	32	83-DS3-014-019		RING, FOOT
8	83-DS3-009-019		INDI, REC	33	81-DS1-011-019		BADGE, AIWA N
9	80-DS3-002-019		CAB, STEEL	A	87-067-688-019		BVTT +3-6
10	82-235-204-010		LEVER, PROTECT	B	87-067-703-019		BVT2+3-10 (W/O SLOT)
11	83-DS3-010-119		WINDOW, CASS	C	87-661-096-419		VFT1+3-10
12	83-DS3-002-019		PANEL, CASS	D	87-067-660-019		BVT2+3-8W/O SLOT BLK
13	80-DS3-202-019		SPR-T, EJECT 1	E	81-653-215-019		SPECIAL SCREW VT2
14	84-790-204-019		HOOK, EJECT	F	87-591-094-419		QIT + 3 - 6 GOLD
15	84-790-013-119		BOX, CASS	G	87-067-758-019		BVT2+3-12 (W/O SLOT)
16	82-238-205-019		SPR-C, AMTS	H	87-067-776-019		BVT2+3-12W, CONVEX
17	84-790-205-019		SPR-C, HOOK	I	87-067-585-019		BVTT +4-6
18	84-790-032-319		PANEL, AMTS	J	87-067-641-019		UTT2+3-8 W/O SLOT BLK
19	84-790-202-019		RUBBER, AMTS	K	87-078-083-019		BVTT, SEMS+4-8SW
20	83-DS3-004-019		KNOB, REC				
21	83-DS3-006-019		KNOB, BIAS				
22	87-063-143-010		OIL-DMPR 75				
23	83-DS3-013-019		BTN, EJECT				
24	80-DS3-209-019		SPR-C, EJECT				





MECHANISM 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	86-575-239-61K		CHAS ASSY, MECH S	35	86-575-220-01K		GEAR IDLE
2	86-575-321-010		SPR-C, A21MUTH S2	36	86-535-614-010		RING, MAGNET 4P
3	86-535-359-010		SPR-C, AZ S	37	86-535-233-210		LVR, FR
4	86-575-351-010		SPR-T, BLAKE RS	38	86-535-235-110		SHAFT, FR
5	86-575-225-019		SP-T CASSETTE	39	86-575-314-110		SLIP ASSY DISK
6	86-535-252-210		LVR, BRAKE R	40	86-535-389-110		PULLEY, MOTOR C
7	86-535-370-019		SPR-T, BRAKE F(3H)	41	86-575-261-110		CUSH-G-5. 5-1. 5
8	86-535-247-210		LVR, REC GUARD A	42	86-575-238-010		BELT, 3
9	86-535-250-210		LVR, METAL	43	82-ZM1-308-019		CUSH-G DIA3. 7-9-3. 2
10	86-535-249-210		LVR, CASS-SENSOR	44	86-535-395-01K		FLY WHEEL FD ASSY
11	86-535-254-110		LVR, CR	45	86-535-255-010		RETAINER, FLY-WHL
12	86-535-314-210		BASE, HEAD	46	86-575-378-01K		LVR, TRIGGER PLAY
13	86-535-251-110		LVR, BRAKE F	47	86-535-223-310		LVR, PAUSE
14	86-535-240-71K		REEL TABLE ASSY, R	48	86-575-425-010		SPR-C FW 2
15	86-535-293-019		SPR-C, REEL TABLE	49	86-535-279-010		SPR-T, MAIN
16	86-524-218-319		STOPPER, REEL TABLE S	50	86-535-260-410		CAM, MAIN
17	86-535-385-310		PLATE ASSY, SLIDE S	51	87-046-196-019		HEAD, EH
18	80-ZM6-268-019		SPR-E SLIDE 3	52	87-046-343-019		HEAD, RPF 14PCOCC
19	86-535-286-010		SPR-E, OPERATION	53	87-045-360-019		MOT, SHE 2L 00
20	86-535-353-019		FECT SQ 5-4-2	A	87-067-470-010		PW, 4. 1-6. 9-0. 13
21	86-535-311-410		HEAD CHASSIS S	B	86-524-418-019		SCREW VFT2+1. 4-5
22	86-535-312-010		SPR-T, PINCH S	C	87-067-362-019		SCREVV+ 2 - 6. 6
23	86-535-289-310		PSP HEAD CHASSIS	D	87-353-034-210		VT2+2-5
24	86-535-226-310		PINCH LEVER ASSY F	E	87-267-033-019		SCREW V + 2-4 BLACK NI
25	86-535-283-019		SPR-T, PLAY GEAR R	F	87-081-501-019		SCREW VTT + 2. 6 - 4
26	86-535-282-019		SPR-T, PLAY GEAR F	G	86-575-243-019		S-SCREW MOTOR
27	87-073-018-019		STEEL BALL 1. 588	H	87-067-332-019		PW, 2. 8-4. 7-0. 13
28	86-524-233-219		STOPPER, REEL TABLE T	I	87-081-489-019		PW, 1. 7-3. 5-0. 25 SLT
29	86-535-387-010		MYLAR W2. 3-5-0. 188	J	87-067-380-019		PW, 1. 7-7-0. 5
29	86-535-363-019		SH MYLAR 2. 3-5-0. 1				
30	86-535-291-210		SPR-T, FR CAM				
31	86-575-221-310		GEAR PLAY				
32	86-575-377-01K		LVR, TRGGER FR				
33	86-535-261-410		CAM, FRP				
34	86-535-278-019		SPR-T, FR				

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	
番号	連絡内容
G - -	
G - -	
G - -	

アイワ株式会社
AIWA CO., LTD.

931196, 750038

Tokyo Japan