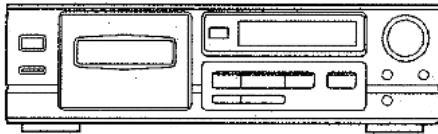


aiwa



AD-S750



STEREO CASSETTE DECK

• BASIC TAPE MECHANISM: α 14 S6N

• TYPE: U.E.EE.K

SPECIFICATIONS

Type	Stereo cassette deck	Wow and flutter	0.065 % (WRMS)
Track format	4 tracks, 2 channels	Tape speed	4.75 cm/sec. (1 $\frac{7}{8}$ ips)
Power supply	European models: 230 V fixed, 50 Hz USA model: 120 V fixed, 60 Hz	Recording system	AC bias (frequency 85 kHz)
Power consumption	16W	Erase system	AC erase
Frequency response (-24 dB Recording)	Metal tape: 20-19,000 Hz (± 3 dB) 10-20,000 Hz (-10 dB) CrO ₂ tape: 20-18,000 Hz (± 3 dB) 10-19,000 Hz (-10 dB) Normal tape: 20-17,000 Hz (± 3 dB) 10-18,000 Hz (-10 dB)	Motor	DC servomotor \times 1
Signal-to-noise ratio	78 dB (METAL tape DOLBY C NR ON above 5 kHz) 80 dB (METAL tape DOLBY S NR ON peak level)	Heads	Recording/playback head \times 1 (Hyperbolic hard permalloy head) Erase head \times 1
		Inputs	REC/LINE IN: 100 mV (MAX input sensitivity, 47 k ohms)
		Outputs	PLAY/LINE OUT: 350 mV (0 dB) Suitable load impedance over 47 k ohms
		Dimensions	PHONES: 0.3 mW (0 dB) Suitable load impedance 32 ohms
		Weight	430 (W) \times 133 (H) \times 266 (D) mm (17 \times 5 $\frac{1}{4}$ \times 10 $\frac{1}{2}$ inches) 4 kg (8 lbs 13 oz)

• 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 $\square\square$ and "HX PRO" are trademarks of Dolby Laboratories Licensing Corporation.

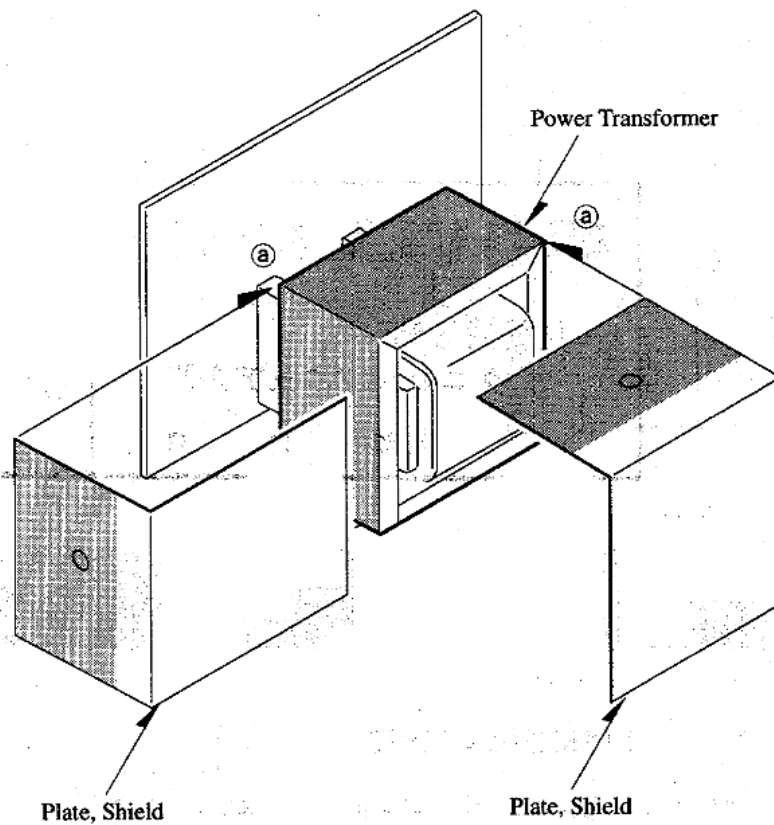
MANUAL
SERVICE

DISASSEMBLY INSTRUCTIONS

1. Notes on replacing the "Power Transformer".

When replacing the "Power Transformer", attach a "Plate, Shield" to the specified position to conform to the safety standard (spacing).

- 1) Attach the shield plate with adhesive tape while aligning it to portion (a).



■ 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.	かり NO.	DESCRIPTION
1	84-DS1-901-019		IB, E(ESF)-S
2	84-DS1-630-019		RC, RC-T517<U>
3	87-034-786-019		CORD PIN 189-0760

ELECTRICAL MAIN PARTS LIST

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

REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
IC							
	87-017-738-019		IC,NJM2068LD	C307	87-018-126-089		CAP,TC-U 390P-50 B
	87-027-656-019		IC,TC4066BP	C308	87-018-126-089		CAP,TC-U 390P-50 B
	87-002-727-019		IC,NJM4558L	C315	87-018-131-089		CAP,TC-U 1000P-50 B
	83-DS1-627-010		IC,CXA1563S	C316	87-018-131-089		CAP,TC-U 1000P-50 B
	87-002-862-019		IC,NJM2904L	C317	87-010-401-089		CAP,E 1-50 SME
	80-DS1-608-010		IC,CXA1417S	C318	87-010-263-089		CAP,E 100-10
	84-DS1-632-010		IC,LC866008C-5887	C319	87-010-382-089		CAP,E 22-25 SME
	87-017-373-019		IC,NJH32H380A	C320	87-018-131-089		CAP,TC-U 1000P-50 B
				C321	87-014-212-889		CAP,PP 0.015J
				C324	87-018-201-089		CAP,TC-U 5600P-16 X
TRANSISTOR							
	87-026-218-089		TR,DTC144ES	C326	87-010-382-089		CAP,E 22-25 SME
	87-026-462-089		TR,2SC1740S(RS)	C327	87-010-403-089		CAP,E 3.3-50 SME
	87-026-245-089		TR,DTC114ES	C328	87-010-382-089		CAP,E 22-25 SME
	89-503-735-089		TR,FET 2SK373-GR (TPE2)	C401	87-018-133-089		CAP,TC-U 4700P-16 X
	89-109-521-089		TR,2SA952K	C402	87-018-133-089		CAP,TC-U 4700P-16 X
	89-320-011-089		TR,2SC2001K	C403	87-018-121-089		CAP,TC-U 150P-50 B
	87-026-484-089		TR,DTC123JS	C404	87-018-121-089		CAP,TC-U 150P-50 B
	87-026-219-089		TR,DTA144ES	C405	87-018-133-089		CAP,TC-U 4700P-16 X
	87-026-464-089		TR,DTC114TS	C406	87-018-133-089		CAP,TC-U 4700P-16 X
	89-318-156-089		TR,2SC1815BL	C407	87-010-404-089		CAP,E 4.7-50 SME
	89-213-292-089		TR,2SB1329,Q	C408	87-010-404-089		CAP,E 4.7-50 SME
	89-213-702-019		TR,2SB1370E	C415	87-010-404-089		CAP,E 4.7-50 SME
	89-213-302-089		TR,2SB1330Q	C416	87-010-404-089		CAP,E 4.7-50 SME
	87-026-215-089		TR,DTC114YS	C421	87-010-401-089		CAP,E 1-50 SME
	89-112-965-089		TR,2SA1296GR	C422	87-010-402-089		CAP,E 2.2-50 SME
DIODE							
	87-020-465-089		DIODE,1SS133	C423	87-010-235-089		CAP,E 470-16 SME
	87-027-301-089		ZENER,HZ3A1	C424	87-010-371-089		CAP,E 470-6.3
	87-020-123-089		DIODE,DS446-AT (TA)	C425	87-010-371-089		CAP,E 470-6.3
	87-001-408-080		DIODE,GP15B	C426	87-010-401-089		CAP,E 1-50 SME
	87-002-219-089		ZENER,UTZJ11B	C431	87-010-405-089		CAP,E 10-50 SME
	87-001-918-089		ZENER,UTZJ22B	C432	87-010-401-089		CAP,E 1-50 SME
	87-001-912-089		ZENER,UTZ5.1B	C434	87-018-119-089		CAP,TC-U 100P-50 B
	87-017-437-089		DIODE,1N4148M	C436	87-018-195-089		CAP,TC-U 1200P-16 X
	87-001-911-089		ZENER,UTZJ4.7A (TAPG)	C439	87-010-401-089		CAP,E 1-50 SME
	87-027-514-089		ZENER,HZ6B2	C441	87-010-404-089		CAP,E 4.7-50 SME
	87-001-559-089		DIODE,ISS131(T-72)	C442	87-010-401-089		CAP,E 4.7-50 SME
				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
				C518	87-010-546-089		CAP,E 0.33-50 SME
				C551	87-010-401-089		CAP,E 1-50 SME
				C552	87-010-401-089		CAP,E 1-50 SME
MAIN C.B							
C101	87-018-119-089		CAP,TC-U 100P-50 B	C671	87-018-134-089		CAP,TC-U 0.01-16 Y
C102	87-018-119-089		CAP,TC-U 100P-50 B	C672	87-018-115-089		CAP,TC-U 47P-50 SL
C111	87-010-404-089		CAP,E 4.7-50 SME	C673	87-018-134-089		CAP,TC-U 0.01-16 Y
C112	87-010-404-089		CAP,E 4.7-50 SME	C674	87-010-402-089		CAP,E 2.2-50 SME
C113	87-010-404-089		CAP,E 4.7-50 SME	C701	87-010-388-089		CAP,E 1000-25V SME
C114	87-010-404-089		CAP,E 4.7-50 SME	C702	87-010-389-099		CAP,E 2200-25V SME
C119	87-018-134-089		CAP,TC-U 0.01-16 Y	C703	87-010-382-089		CAP,E 22-25 SME
C121	87-018-123-089		CAP,TC-U 220P-50 B	C704	87-010-235-089		CAP,E 470-16 SME
C121	87-018-123-089		CAP,TC-U 220P-50 B	C707	87-010-235-089		CAP,E 470-16 SME
C122	87-018-123-089		CAP,TC-U 220P-50 B	C708	87-010-546-089		CAP,E 0.33-50 SME
C122	87-018-123-089		CAP,TC-U 220P-50 B	C719	87-010-404-089		CAP,E 4.7-50 SME
C201	87-018-121-089		CAP,TC-U 150P-50 B	C720	87-010-404-089		CAP,E 4.7-50 SME
C202	87-018-121-089		CAP,TC-U 150P-50 B	C722	87-010-382-089		CAP,E 22-25 SME
C203	87-018-132-089		CAP,TC-U 2200P-16 X	C723	87-010-405-089		CAP,E 10-50 SME
C204	87-018-132-089		CAP,TC-U 2200P-16 X	C725	87-018-123-089		CAP,TC-U 220P-50 B
C205	87-010-404-089		CAP,E 4.7-50 SME	C726	87-018-123-089		CAP,TC-U 220P-50 B
C206	87-010-404-089		CAP,E 4.7-50 SME	C751	87-010-247-089		CAP,E 100-50 SME
C209	87-010-677-089		CAP,E 0.15-50 7L	C752	87-010-401-089		CAP,E 1-50
C210	87-010-677-089		CAP,E 0.15-50 7L	C801	87-010-382-089		CAP,E 22-25 SME
C211	87-018-200-089		CAP,TC-U 3900P-16X	C802	87-010-382-089		CAP,E 22-25 SME
C212	87-018-200-089		CAP,TC-U 3900P-16X	C805	87-010-405-089		CAP,E 10-50 SME
C301	87-018-121-089		CAP,TC-U 150P-50 B	C806	87-010-405-089		CAP,E 10-50 SME
C302	87-018-121-089		CAP,TC-U 150P-50 B	C807	87-010-545-089		CAP,E 0.22-50 SME
C303	87-018-123-089		CAP,TC-U 220P-50 B	C808	87-010-545-089		CAP,E 0.22-50 SME
C304	87-018-123-089		CAP,TC-U 220P-50 B	C815	87-010-545-089		CAP,E 0.22-50 SME

REF. NO	PART NO.	カ リ NO.	DESCRIPTION	REF. NO	PART NO.	カ リ NO.	DESCRIPTION
C816	87-010-545-089		CAP,E 0.22-50 SME	CF901	87-030-264-089		CERA LOCK(MU)12.0MHZ
C817	87-016-033-089		CAP,E 1-50 K LL	D907	87-001-123-089		LED,SLZ 981C-02TI
C818	87-016-033-089		CAP,E 1-50 K LL	D908	87-001-124-089		LED,SLZ 981C-02-T1
C827	87-010-401-089		CAP,E 1-50 SME	D909	87-002-885-089		LED,SLZ481C-02 ABY
C828	87-010-401-089		CAP,E 1-50 SME	FL901	84-DS1-631-019		FL,BJ384GK
C835	87-010-544-089		CAP,E 0.1-50	L901	87-003-098-089		COIL,2.2UH
C836	87-010-544-089		CAP,E 0.1-50	PIN902	83-DS3-613-019		CONN ASSY,9P
C837	87-016-032-089		CAP,E 0.47-50 K LL	R943	87-025-468-089		RES,NF 1.5-1/4WJ
C838	87-016-032-089		CAP,E 0.47-50 K LL	S901	87-036-215-089		SW,TACT EVQ21404M
C839	87-016-031-089		CAP,E 0.22-50 K LL	S902	87-036-215-089		SW,TACT EVQ21404M
C840	87-016-031-089		CAP,E 0.22-50 K LL	S903	87-036-215-089		SW,TACT EVQ21404M
C841	87-010-544-089		CAP,E 0.1-50	S904	87-036-215-089		SW,TACT EVQ21404M
C842	87-010-544-089		CAP,E 0.1-50	S905	87-036-215-089		SW,TACT EVQ21404M
C843	87-010-374-089		CAP,E 47-10	S906	87-036-215-089		SW,TACT EVQ21404M
C844	87-010-374-089		CAP,E 47-10	S907	87-036-215-089		SW,TACT EVQ21404M
C845	87-010-374-089		CAP,E 47-10	S908	87-036-215-089		SW,TACT EVQ21404M
C846	87-010-374-089		CAP,E 47-10	S910	84-DS1-633-019		SW,SL 2-2-4 SSSF
C851	87-016-032-089		CAP,E 0.47-50 K LL	VR901	83-DS3-624-019		VR,20KAX2 RK14K12D
C852	87-016-032-089		CAP,E 0.47-50 K LL	VR902	83-DS3-608-019		VR,200KW RK11K1130
C853	87-010-544-089		CAP,E 0.1-50	W901	88-932-121-119		F-CABLE,32P 1.25
C854	87-010-544-089		CAP,E 0.1-50	W903	83-DS1-628-019		F-CABLE,5P-2.0-SIG
C855	87-016-031-089		CAP,E 0.22-50 K LL				
C856	87-016-031-089		CAP,E 0.22-50 K LL				
C861	87-010-401-089		CAP,E 1-50 SME				
C862	87-010-401-089		CAP,E 1-50 SME				
C881	87-010-400-089		CAP,E 0.47-50 SME				
C882	87-010-400-089		CAP,E 0.47-50 SME				
F401	83-DS3-614-019		FLTR,MPX 85K				
F402	83-DS3-614-019		FLTR,MPX 85K				
J501	87-009-023-019		JACK,PIN YKC21-0349				
J502	87-099-460-019		JACK,6.3HP AUL2.5-11				
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-DS6-617-019		COIL,OSC 85K-6				
SFR101	87-024-168-089		SFR,1K DIA6 V				
SFR102	87-024-168-089		SFR,1K DIA6 V				
SFR201	87-024-172-089		SFR,10K DIA6 V				
SFR202	87-024-172-089		SFR,10K DIA6 V				
SFR301	87-024-177-089		SFR,220K DIA.6 V				
SFR302	87-024-177-089		SFR,220K DIA.6 V				
SFR303	87-024-172-089		SFR,10K DIA6 V				
SFR304	87-024-173-089		SFR,22K DIA6 V				
FRONT C.B							
C901	87-010-405-089		CAP,E 10-50 SME				
C902	87-010-544-089		CAP,E 0.1-50				
C903	87-010-252-089		CAP,E 1000-6.3V				
C905	87-010-382-089		CAP,E 22-25 SME				
C906	87-010-405-089		CAP,E 10-50 SME				
C907	87-010-594-089		CAP,E 2.2-50 5L				
C908	87-018-109-089		CAP,TC-U 22P-50 SL				
C909	87-018-109-089		CAP,TC-U 22P-50 SL				
C910	87-018-209-089		CAP,TC-U 0.1-50 F				
C911	87-010-408-089		CAP,E 47-50 SME				
C912	87-010-405-089		CAP,E 10-50 SME				
C913	87-010-405-089		CAP,E 10-50 SME				
C914	87-010-401-089		CAP,E 1-50 SME				
C915	87-010-405-089		CAP,E 10-50 SME				
C916	87-010-235-089		CAP,E 470-16 SME				
C917	87-018-205-089		CAP,TC-U 0.022-25 F				
C918	87-018-205-089		CAP,TC-U 0.022-25 F				
C919	87-010-235-089		CAP,E 470-16 SME				
C920	87-018-209-089		CAP,TC-U 0.1-50 F				
C923	87-018-134-089		CAP,TC-U 0.01-16 Y				

TRANSISTOR ILLUSTRATION



ECB

2SA952
2SA1296
2SC1815
2SC2001



BCE

2SB1329



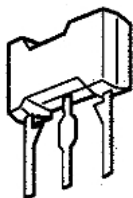
BCE

2SB1370



ECB

2SC1740S
DTA114YS
DTA144ES
DTC114ES
DTC114TS
DTC123JS
DTC144ES



ECB

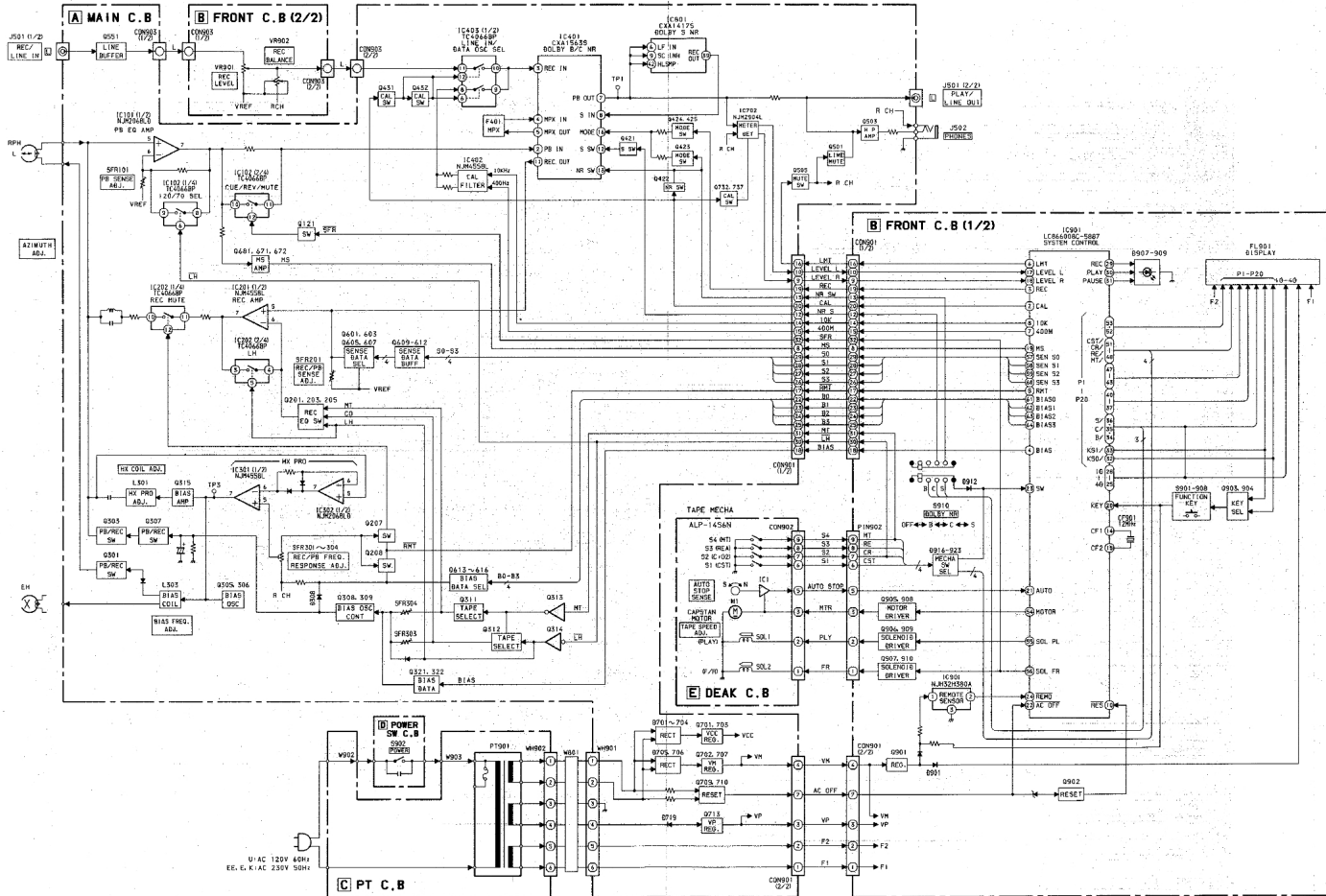
2SB1330



S G D

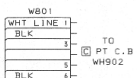
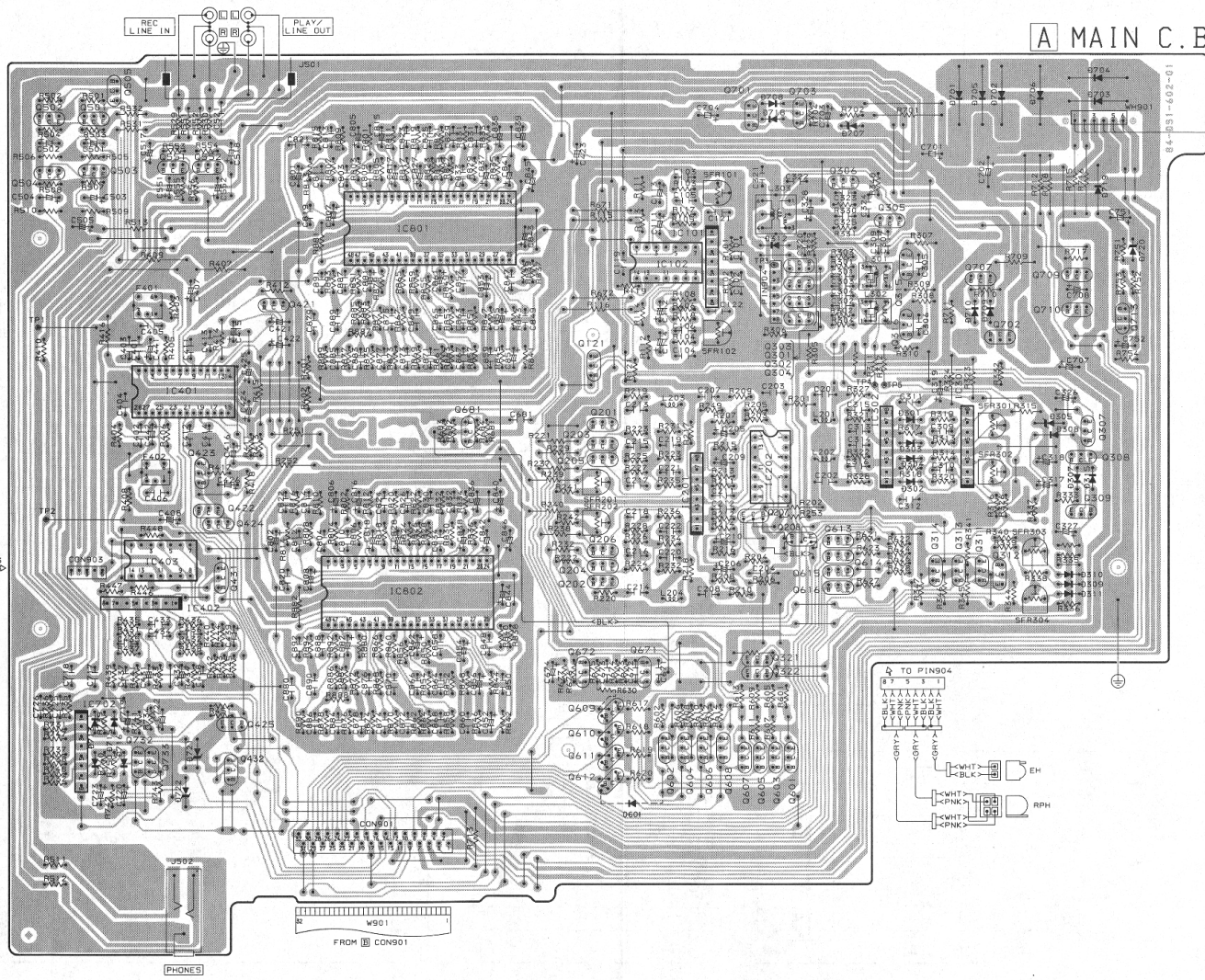
2SK373

BLOCK DIAGRAM

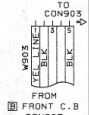


A MAIN C.B

A
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K

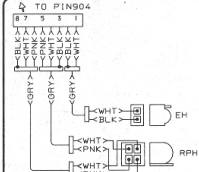


W801
WHT LINE 1
BLK 2
TO PT C.B WH902
BLK 3
BLK 4

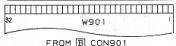


W903
WHT
BLK
BLK
TO CON905

FROM FRONT C.B CON903



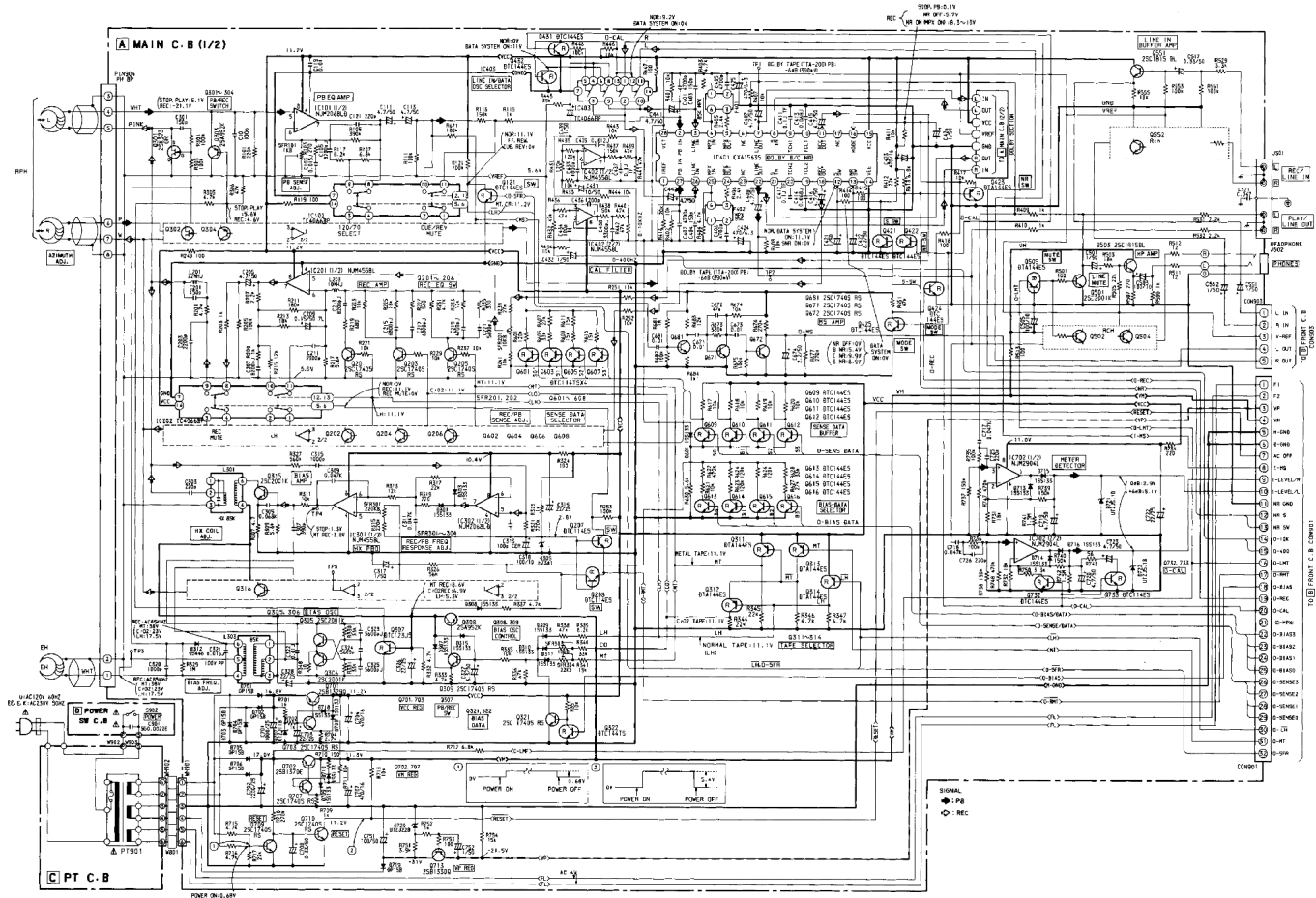
P1N904
WHT
SPNK
WHT
EH
RPH

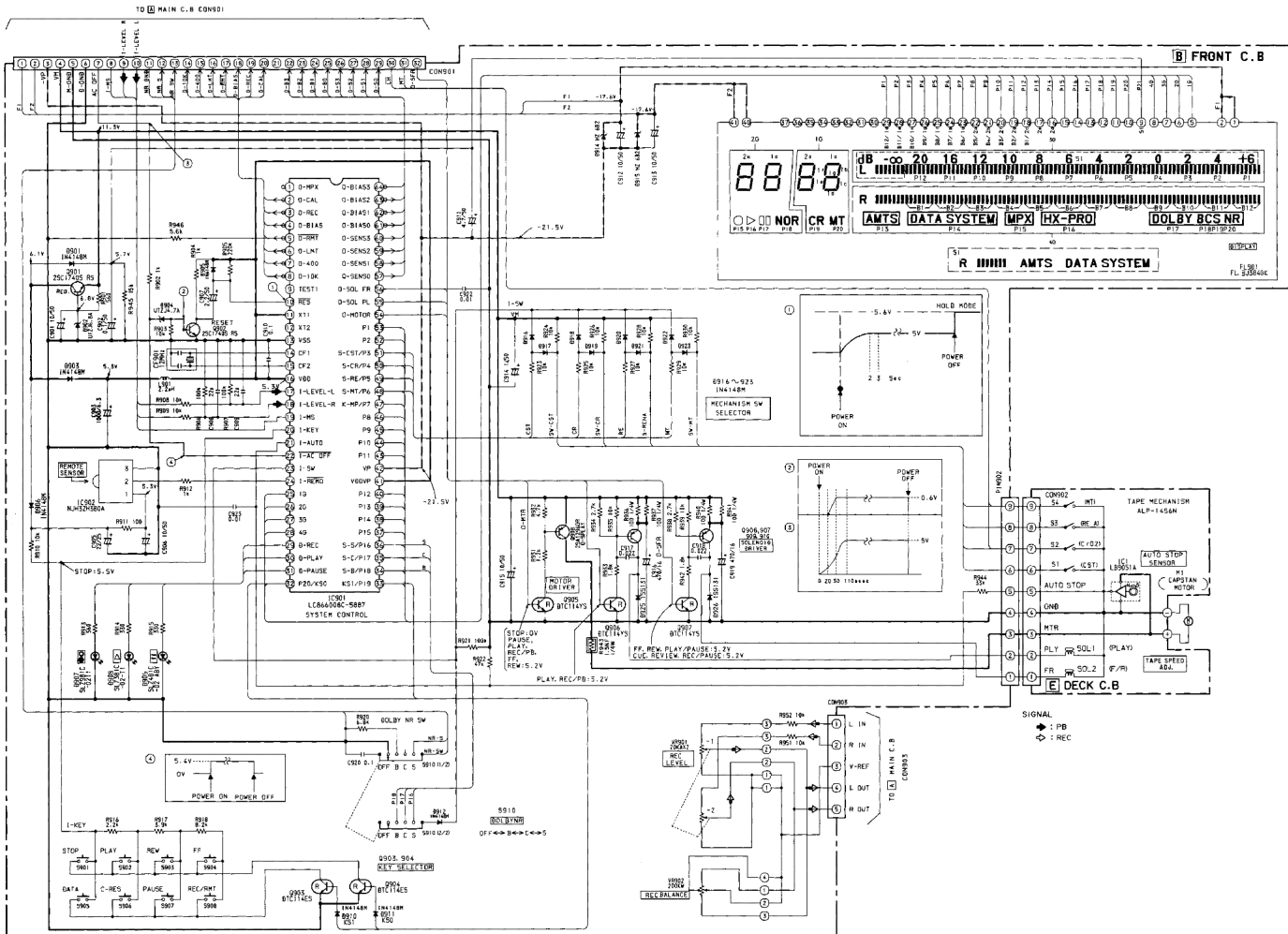


W901
FROM CON901

PHONES

SCHEMATIC DIAGRAM-2 (MAIN)

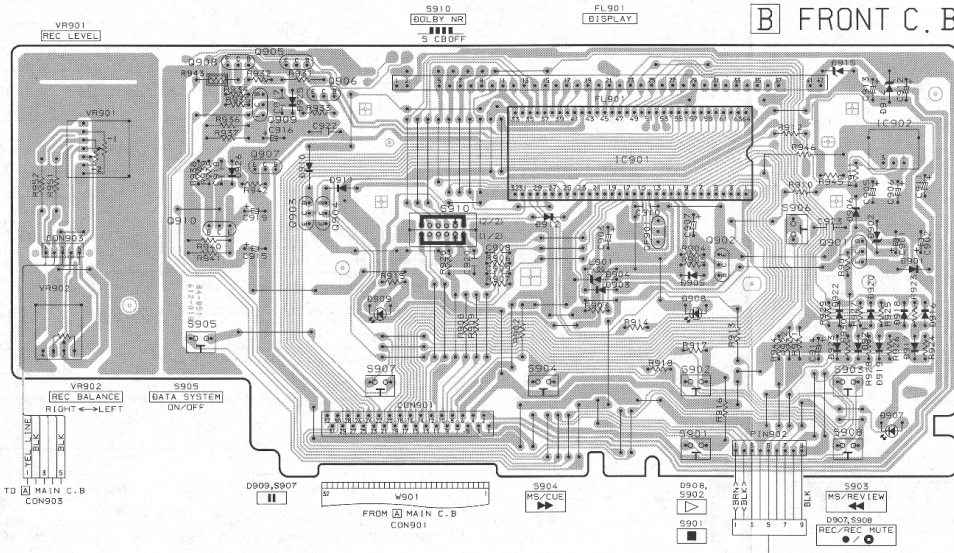




1 2 3 4 5 6 7 8 9 10 11 12 13 14

A
B
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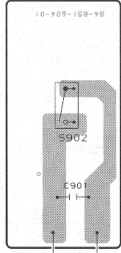
B FRONT C. B



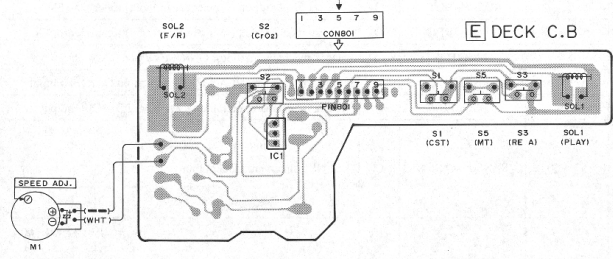
IC902
REMOTE
SENSOR

S906
COUNTER RESET

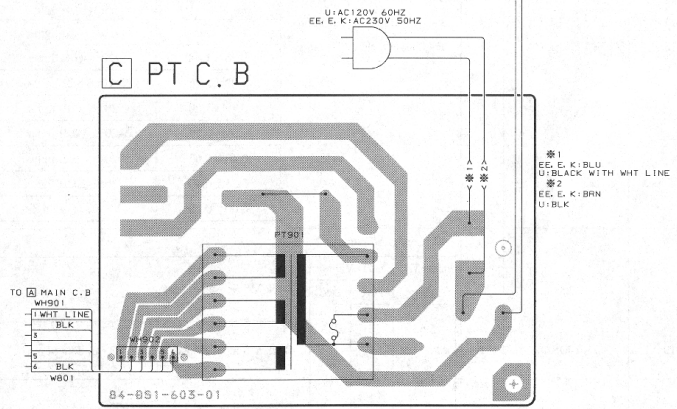
D POWER SW C. B



E DECK C. B



C PT C. B



TO MAIN C. B
1 WHT LINE
2 BLK
3
4 BLK
WB01

*1
EE, E, K: BLU
U: BLACK WITH WHT LINE
*2
EE, E, K: BRN
U: BLK

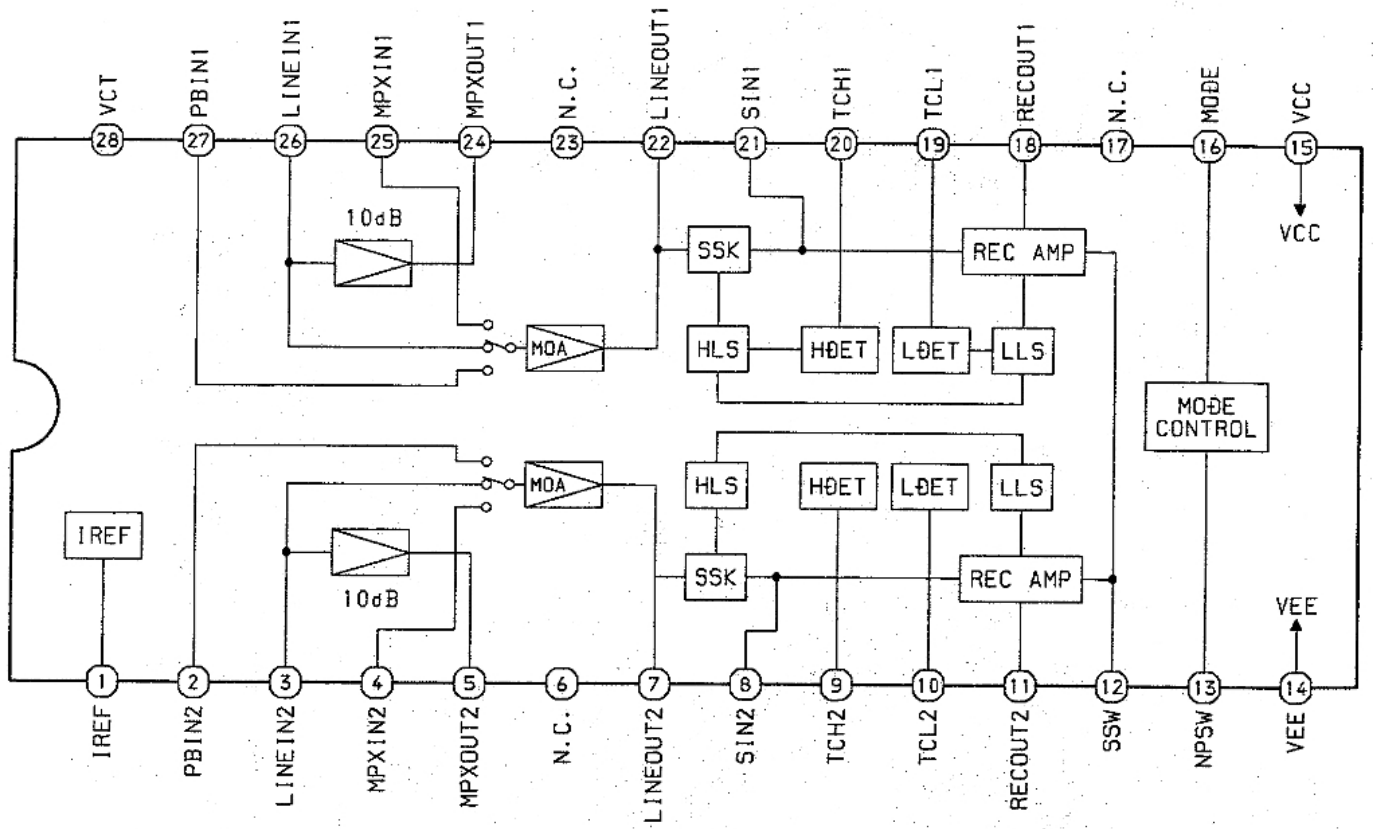
IC DESCRIPTION

IC, LC866008C-5887

Pin No.	Pin name	I/O	Description																												
1	O-MPX	O	MPX filter ON/OFF output.																												
2	O-CAL	O	Signal system selector output, ON/OFF output for BIAS, SENS adjustment.																												
3	O-REC	O	Dolby IC record or playback selector output REC/PB.																												
4	O-BIAS	O	Bias oscillator circuit ON/OFF output.																												
5	O-RMT	O	REC mute ON/OFF output.																												
6	O-LMT	O	LINE OUT mute.																												
7	O-400Hz	O	400 Hz (Duty 50%) output for BIAS, SENS adjustment.																												
8	O-10kHz	O	10 kHz (Duty 50%) output for BIAS adjustment.																												
9	TEST1	—	TEST1 terminal (not used).																												
10	RES	—	RESET terminal.																												
11	XT1	—	XT1 terminal.																												
12	XT2	—	Not used.																												
13	VSS	—	Connected GND.																												
14	CF1	—	Connected to CF901, 12 MHz.																												
15	CF2	—	Connected to CF901, 12 MHz.																												
16	VDD	—	VDD.																												
17	I-LEVEL-L	I	L-ch level meter, A/D input.																												
18	I-LEVEL-R	I	R-ch level meter, A/D input.																												
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20	I-KEY	I	Key matrix (1A/DX2), A/D input.																												

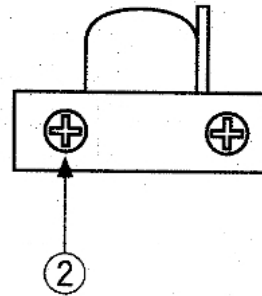
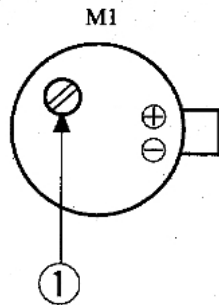
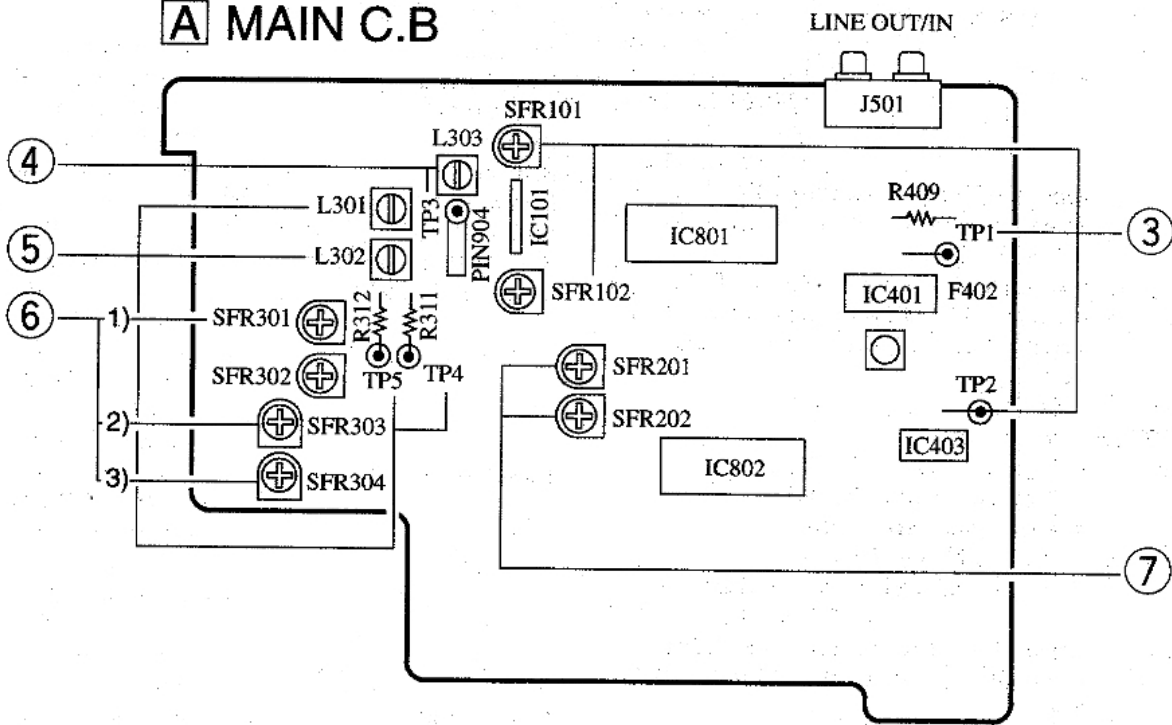
Pin No.	Pin name	I/O	Description
21	I-AUTO	I	Reel table rotation sensed signal input.
22	I-ACOFF	I	Power failure sensed input (AC connector is unplugged).
23	I-SWITCH	I	Segment scan, switch input.
24	I-RMC	I	Remote control input.
25~28	G1~G4	O	FL grid output, G1~G4.
29	O-DREC	O	REC LED, ON/OFF output.
30	O-DPLAY	O	PLAY LED, ON/OFF output.
31	O-DPAUSE	O	PAUSE LED, ON/OFF output.
32	P20/O-KS0	O	FL segment output, (key matrix input) key shift 0 output.
33	P19/O-KS1	O	FL segment output, (key matrix input) key shift 1 output.
34	P18/DOLBY-B	O	FL segment output, (segment scan input) Dolby B SW.
35	P17/DOLBY-C	O	FL segment output, (segment scan input) Dolby C SW.
36	P16/DOLBY-S	O	FL segment output, (segment scan input) Dolby S SW.
37~40	P15~P12	O	FL segment output.
41	VDDVP	—	VDD VP terminal.
42	-VP	—	-VP terminal.
43~46	P11~P8	O	FL segment output.
47	P7/KMPXEN	O	FL segment output, (segment scan input) K-MPX corresponding diode.
48	P6/SWMETL	O	FL segment output, (segment scan input) metal sense hole SW.
49	P5/SWRENA	O	FL segment output, (segment scan input) erroneous erase protection sense SW.
50	P4/SWCRO2	O	FL segment output, (segment scan input) chrome sense hole SW.
51	P3/SWCAST	O	FL segment output, (segment scan input) cassette sense SW.
52	P2/SWTPLY	O	FL segment output, (segment scan input) timer play SW.
53	P1/SWTREC	O	FL segment output, (segment scan input) timer record SW.
54	O-MOTOR	O	Deck mechanism, motor ON/OFF output.
55	O-SOLPLY	O	Deck mechanism, PLAY plunger solenoid ON/OFF output.
56	O-SOLFRP	O	Deck mechanism, FRP plunger solenoid ON/OFF output.
57~60	O-SENS0~O-SENS3	O	SENS adjustment, data output. <div style="text-align: right; margin-right: 20px;"> #3 #2 #1 #0 0 0 0 1 ↓ 1 0 0 0 ↓ 1 1 1 1 </div>
61~64	O-BIAS0~O-BIAS3	O	BIAS adjustment, data output. <div style="text-align: right; margin-right: 20px;"> #3 #2 #1 #0 1 1 1 1 ↓ 1 0 0 0 ↓ 0 0 0 1 </div>

IC BLOCK DIAGRAM
IC, CXA1563S



ELECTRICAL ADJUSTMENT

A MAIN C.B



1. Tape speed Adjustment

- Settings:
- Test tape: TTA-100 (TTA-111S)
 - 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 3000Hz.

2. Head Azimuth Adjustment

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

Method: Play back the 14kHz signal of the test tape and adjust so that the output is maximum and the waveforms in the Lissajous figure are declined to the right by 45°.

3. PB Sensitivity Adjustment

- Settings:
- Test tape: TTA-200 (TTA-161)
 - Test point: TP1 (Lch), TP2 (Rch)
 - 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 $390 \pm 10\text{mV}$.

4. Bias OSC. Frequency Adjustment

- Settings:
- Test tape: TTA-720 (TTA-730)
 - Test point: TP3
 - Adjustment location: L303

Method: Set to the REC mode and adjust L303 so that the frequency counter of the test point reads $85\text{kHz} \pm 1\text{kHz}$.

5. HX Coil Adjustment

- Settings:
- Test tape: TTA-720 (TTA-730)
 - Test point: TP4 (Lch), TP5 (Rch)
 - Adjustment location: L301 (Lch) L302 (Rch)

Method: Adjust L301 and L302 so that the DC voltage at the test points is minimum in the REC PAUSE mode. (Minimum and negative)

6. REC/PB Frequency Response Adjustment

- Settings:
- Test tape: TTA-602 (TTA-601) NORM TTA-710 (TTA-610) CrO₂ TTA-720 (TTA-630) MT
 - Test point: J501 (LINE OUT)
 - Input signal: 1kHz/10kHz (LINE IN)
 - BIAS VR: Center
 - DOLBY VR: OFF

PRACTICAL SERVICE FIGURE

- Adjustment location: 1) NORM SFR301 (Lch)
SFR302 (Rch)
- 2) CrO₂
SFR303 (Lch/Rch)
- 3) MT
SFR304 (Lch/Rch)

Method: Apply a 1kHz signal and adjust REC LEVEL VR attenuator so that the output level at the LINE OUT jack is 25mV.
Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output of the 10kHz signal is 0dB±0.3dB with respect to that of the 1kHz signal.

7. REC/PB Sensitivity Adjustment

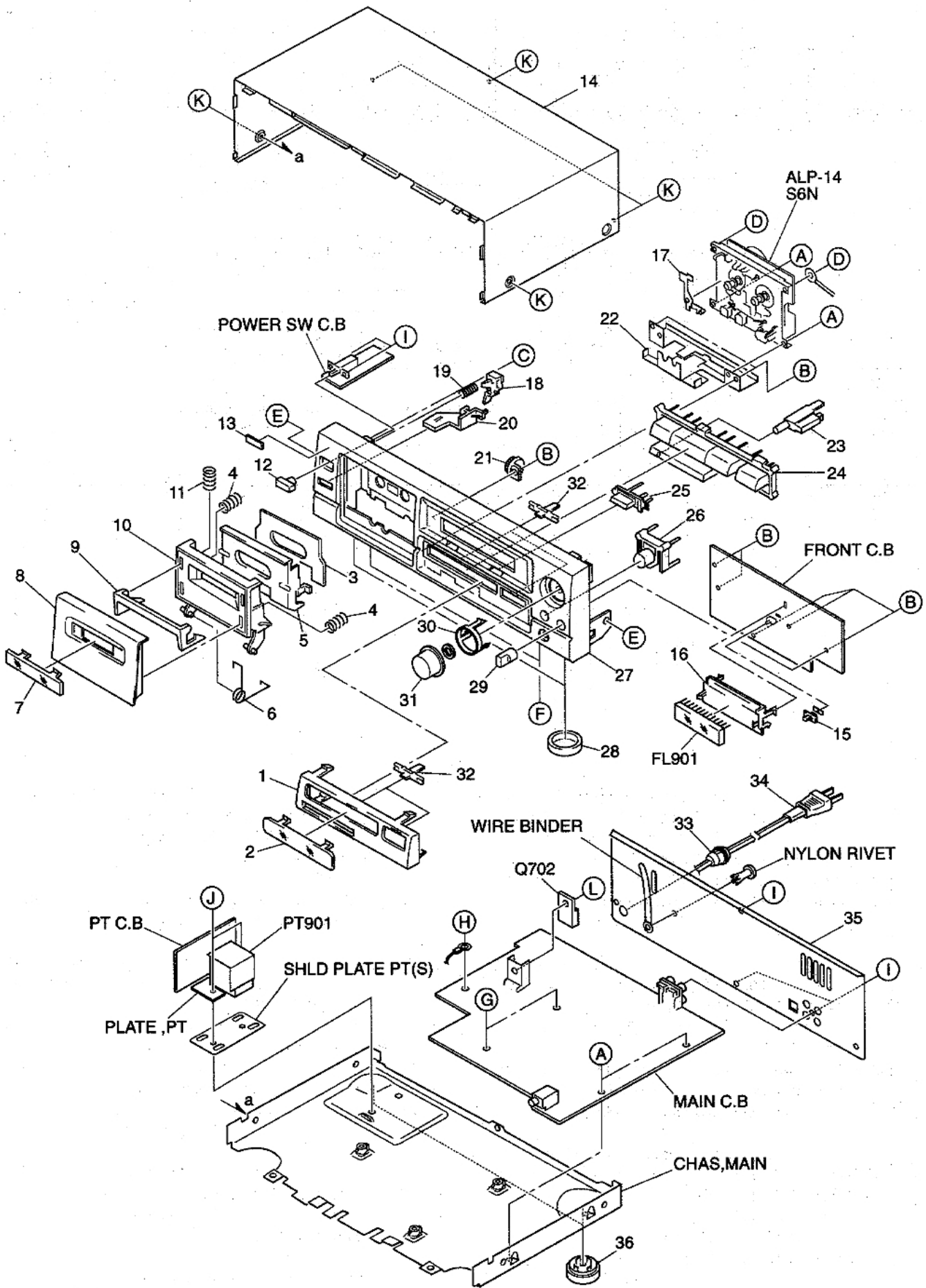
- Settings:**
- Test tape: TTA-602 (TTA-601)
 - Test point: J501 (LINE OUT)
 - Input signal: 1kHz (LINE IN)
 - REC SENS. VR: Center
 - Adjustment location: SFR201 (Lch)
SFR202 (Rch)

Method: Apply a 1kHz signal and adjust REC LEVEL VR so that the output level at the J501 (LINE OUT) is 25mV.
Record and play back the 1kHz signal and adjust SFRs so that the output is 25mV±0.2dB.

DECK SECTION

Tape speed:	3000Hz±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:	370±50mV (LINE OUT)
REC/PB Output level:	260mV±1mV (0VU)
Distortion (REC/PB):	Less than 1.2% (NORM) Less than 1.5% (CrO ₂ , MT)
Noise level (PB):	Less than 2.0mV (120μS LINEAR) Less than 0.9mV (70μS LINEAR)
Noise level (REC/PB):	Less than 2.3mV (LINEAR NORM) Less than 0.15mV (DOLBY C NR CrO ₂) Less than 0.1mV (DOLBY S MT)
Crosstalk:	More than 60dB (1kHz, 0VU)
Erasing ratio :	More than 60dB (125Hz)
Channel separation:	More than 35dB (1kHz, 0VU)
REC bias frequency:	85kHz
Test tape:	NORMAL TTA-601/602 CrO ₂ TTA-710/610 METAL TTA-720/630

MECHANICAL EXPLODED VIEW 1 / 1

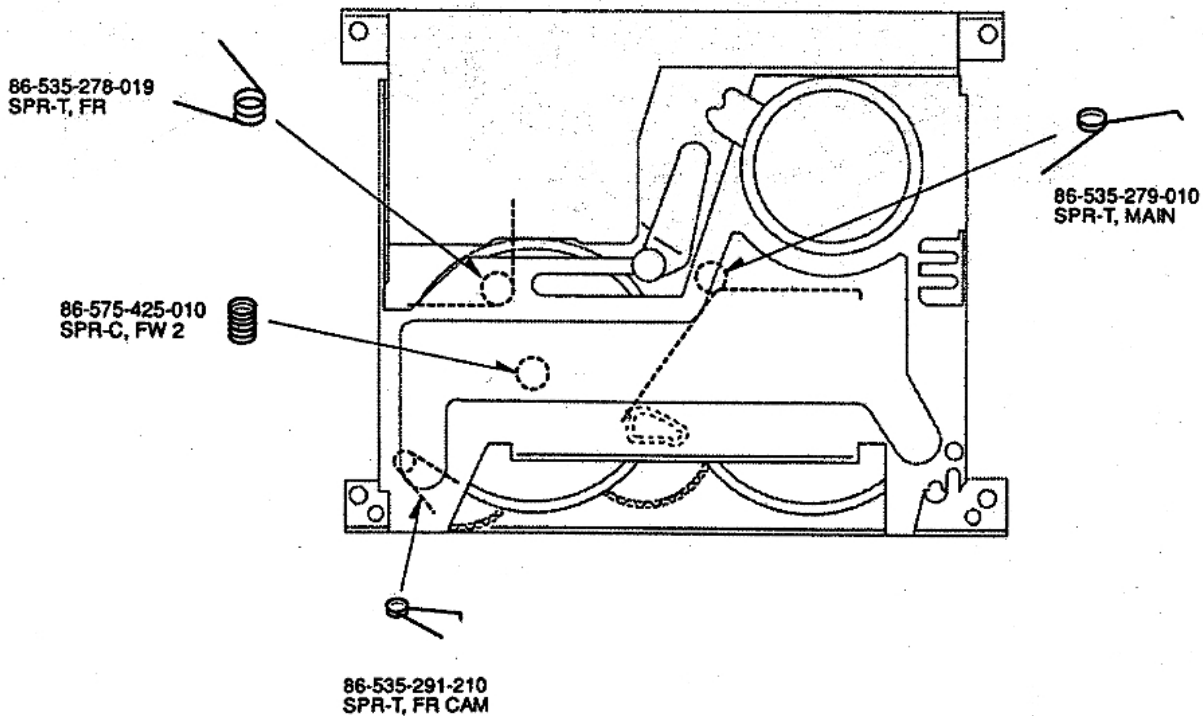
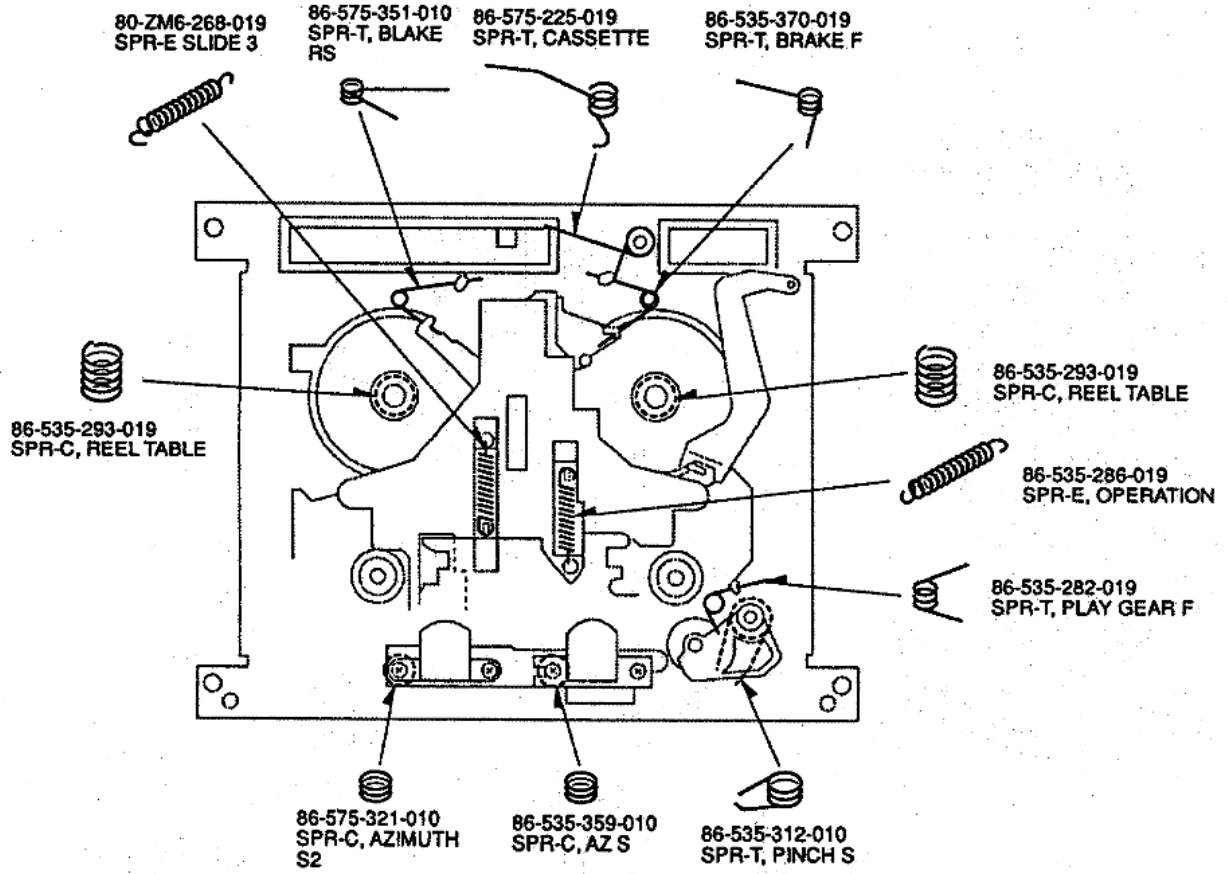


MECHANICAL PARTS LIST 1 / 1

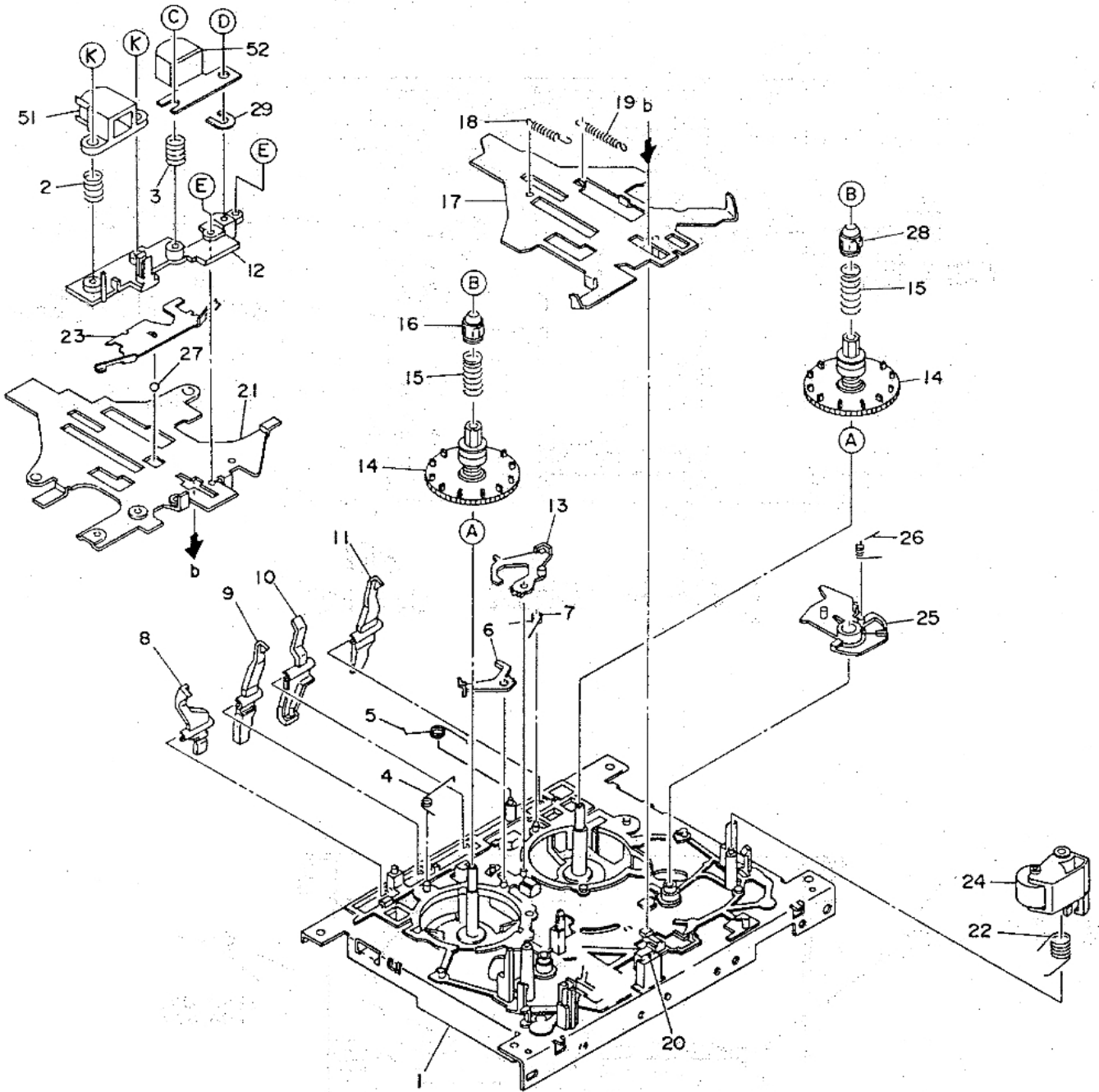
DESCRIPTIONで判断できない物は“REFERENCE NAME LIST”を参照してください。
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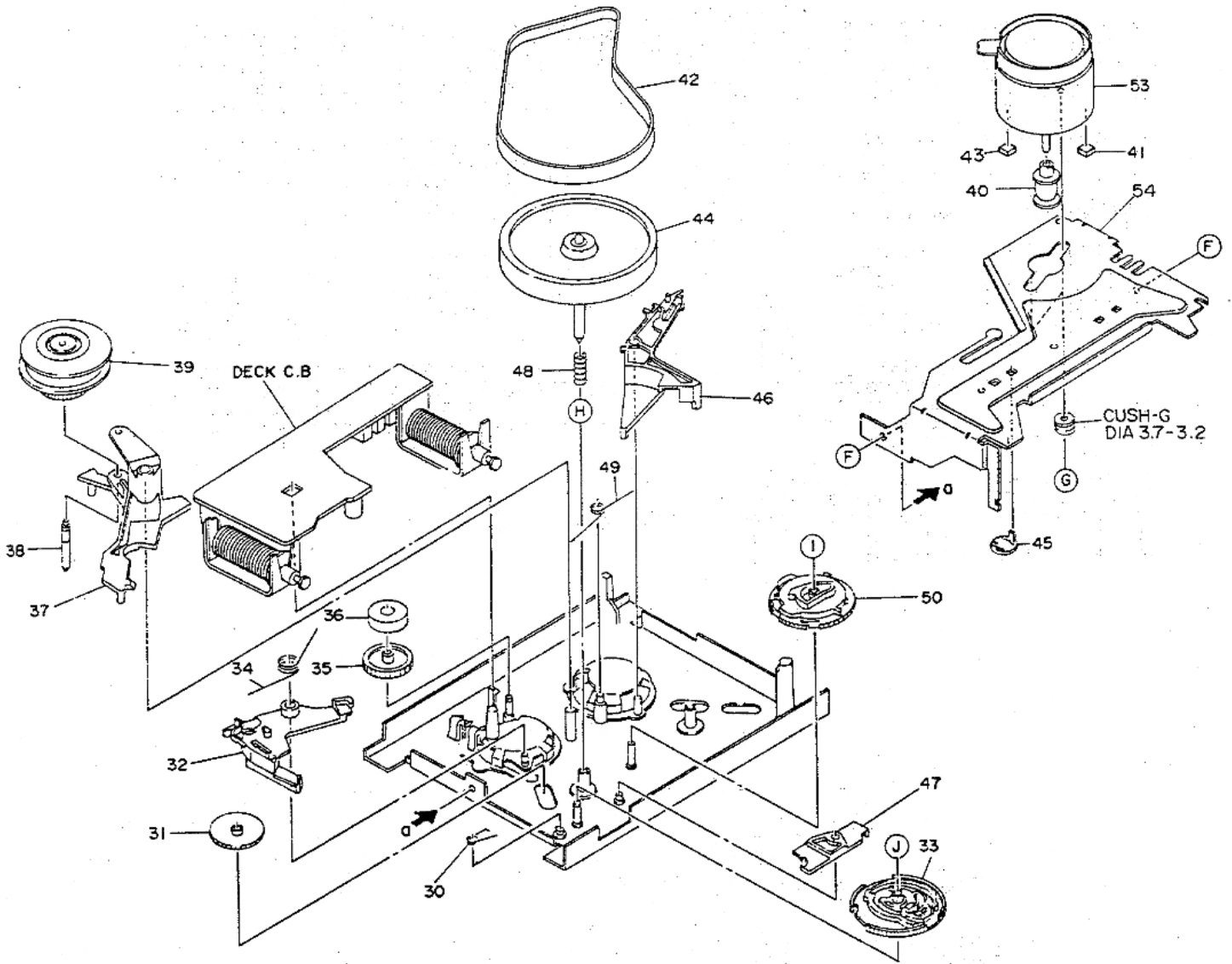
REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
1	84-DS1-004-019		DUMMY, FR	30	83-DS3-005-019		RING, VOL
2	83-DS4-003-019		WINDOW, DISP	31	83-DS3-004-019		KNOB, REC
3	84-790-202-019		RUBBER, AMTS	32	83-DS3-008-019		INDI, PLAY
4	82-238-205-019		SPR-C, AMTS	33	87-085-185-010		BUSHING, AC CORD E<K, EE, E>
5	84-790-032-319		PANEL, AMTS	33	87-085-189-010		BUSHING, CORD U<U>
6	80-DS3-202-019		SPR-T, EJECT 1	34	87-050-100-019		AC CORD ASSY K3P<K>
7	83-DS3-010-119		WINDOW, CASS	34	87-050-053-019		AC CORD ASSY, U-2<U>
8	84-DS1-005-019		PANEL, CASS	34	87-050-079-019		AC-CORD ASSY, E<EE, E>
9	84-790-204-019		HOOK, EJECT	35	84-DS1-011-019		PANEL, REAR EBN<E>
10	84-790-013-119		BOX, CASS	35	84-DS1-010-019		PANEL, REAR EEBN<EE>
11	84-790-205-019		SPR-C, HOOK	35	84-DS1-008-019		PANEL, REAR KEN<K>
12	82-AA1-016-019		BTN, POWER	35	84-DS1-007-019		PANEL, REAR UBN<U>
13	81-DS1-011-019		BADGE, AIWA N	36	81-669-018-019		FOOT, REAR
14	80-DS3-002-019		CAB, STEEL	A	87-067-688-019		BVTT +3-6
15	80-DW1-012-119		KNOB, SLIDE	B	87-067-703-019		BVT2+3-10 (W/O SLOT)
16	83-DS4-202-019		GUIDE, FL	C	87-661-096-419		VFT1+3-10
17	82-235-204-010		LEVER, PROTECT	D	81-653-215-019		SPECIAL SCREW VT2
18	80-DS3-203-019		LVR, EJECT	E	87-591-094-419		QIT + 3 - 6 GOLD
19	80-DS3-209-019		SPR-C, EJECT	F	87-583-094-419		UIT + 3 - 6 BLK
20	83-DS3-013-019		BTN, EJECT	G	87-067-758-019		BVT2+3-12 (W/O SLOT)
21	87-063-143-010		OIL-DMPR 75	H	87-067-776-019		BVT2+3-12W, CONVEX
22	80-DS3-204-019		PLATE, SHIELD	I	87-067-660-019		BVT2+3-8W/O SLOT BLK
23	83-DS3-009-019		INDI, REC	J	87-078-083-019		BVTT, SEMS+4-8SW
24	83-DS3-007-019		KEY, PLAY	K	87-067-641-019		UT2+3-8 W/O SLOT BLK
25	83-DS4-004-019		KEY, RESET	L	87-067-579-019		BVT2+3-8
26	84-DS1-006-019		KEY, BIAS				
27	84-DS1-001-019		CAB, FR<K, EE, E>				
27	84-DS1-009-019		CAB, FR U<U>				
28	83-DS3-014-019		RING, FOOT				
29	83-DS3-006-019		KNOB, BIAS				

SPRING APPLICATION POSITION



TAPE MECHANISM EXPLODED VIEW 1 / 1





TAPE 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。
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REF. NO	PART NO.	カリ NO.	DESCRIPTION	REF. NO	PART NO.	カリ NO.	DESCRIPTION
1	86-575-239-81K		CHAS ASSY MECHS	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	86-575-597-019		CUSHION-G 6-6-2
10	86-535-249-210		LVR, CASS-SENSOR	44	86-535-395-01K		FLY WHEEL PD 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	86-575-425-110		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	87-046-417-019		HEAD, EH LE15A
18	80-ZM6-268-019		SPR-E SLIDE 3	52	87-046-416-019		HEAD, RPH SS15R
19	86-535-286-019		SP-E OPERATION	53	87-045-360-019		MOT, SHE 2L 00
20	86-535-353-019		PECT SQ 5-4-2	54	86-575-218-31K		HOLDER MOTOR
21	86-535-311-410		HEAD CHASSIS S	A	87-067-470-010		PW, 4.1-6.9-0.13
22	86-535-312-010		SPR-T, PINCH S	B	86-524-418-019		SCREW VFT2+1.4-5
23	86-535-289-310		PSP HEAD CHASSIS	C	87-067-362-019		SCREWW+ 2 - 6.6
24	86-535-226-310		PINCH LEVER ASSY F	D	87-751-034-419		SCREW VT2+2-5
25	86-535-238-310		LVR, PLAY F	E	87-267-033-019		SCREW V + 2-4 BLACK NI
26	86-535-282-019		SPR-T, PLAY GEAR F	F	87-081-501-019		SCREW VTT + 2.6 - 4
27	87-073-018-019		STEEL BALL 1.588	G	82-ZM1-309-019		S-SCREW MOTOR
28	86-524-233-219		STOPPER, REEL TABLE T	H	87-067-332-019		PW, 2.8-4.7-0.13
29	81-507-227-010		SPACER	I	87-081-489-019		PW, 1.7-3.5-0.25 SLT
29	86-543-258-010		SPACER, HEAD, 0.2	J	87-067-380-019		PW, 1.7-7-0.5
30	86-535-291-210		SPR-T, FR CAM	K	87-078-196-019		S-SCREW V+2-7
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-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 - -	

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