

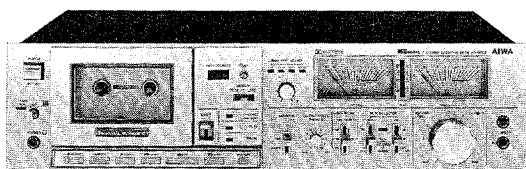


STEREO CASSETTE DECK WITH DOLBY-NR SYSTEM

MODEL NO. **AD-M700H,E,K,G**

AIWA® [SERVICE MANUAL]

Code No. 96-770-000-52



DATE OF ISSUE 10/1979

SPECIFICATIONS

Semiconductor:	8 IC's, 74 transistors 48 diodes 12 LED's (H model only) 8 IC's, 75 transistors, 49 diodes 12 LED's (E, K, G model only)	VU meter display error:	0 VU $\pm$ 0.5 dB (0 VU)
Power source:	AC 110V/120V/220V/240V Switchable 50/60 Hz (H model) AC 110 ~ 120V/220V Switchable 50/60 Hz (E model) AC 120V/240V Switchable 50/60 Hz (K,G model)	Bias frequency:	105 kHz
Power consumption:	20W	Frequency response:	0 VU METAL: 30~12,500 Hz CrO ₂ : 30~8,000 Hz -20 VU METAL: 20~19,000 Hz CrO ₂ : 20~18,000 Hz Fe-Cr: 20~18,000 Hz LH: 20~16,000 Hz
Dimensions:	450(W) x 120(H) x 270(D) mm	Bias adjustment range:	$\pm$ 10% (METAL) $\pm$ 20% (LH, Fe-Cr, CrO ₂)
Weight:	7 kg	Motor:	DC servomotor (capstan) DC motor (reels)
Track system:	4 track 2 channel stereo	Head:	Recording/Playback V-cut Combination sendust head Erasure Double gap ferrite head
Tape speed:	4.8 cm/s $\pm$ 1%	Recording system:	AC bias
Wow & flutter:	Less than 0.04% (WRMS)	Erase system:	AC erase
Automatic stop system:	Full auto stop	Input:	MIC; Max. input sensitivity 0.3 mV (200 Ω ~10 k Ω suitable)
Automatic shut-off action time:	3 $\pm$ 1 s		LINE IN; Max. input sensitivity 50 mV (More than 50 k Ω)
Pinch roller pressure:	450 $\pm$ 40 g (4.41 $\pm$ 0.39 N)	Output:	DIN; Max. input sensitivity 0.1 mV/k Ω (2.7 k Ω)
Take-up torque:	50 $\pm$ 10 g-cm (490 $\pm$ 98 mN $\cdot$ m)		LINE OUT; Standard output level 0.41V (0 VU) Optimum load impedance More than 50 k Ω
FF & rewind torque:	155 $\pm$ 65 g-cm (1520 $\pm$ 637 mN $\cdot$ m)		DIN; Standard output level 0.41V (0 VU) Optimum load impedance More than 50 k Ω
FF & rewind time:	Less than 90 s (w/C-60 cassette)		PHONES; 8 Ω
Playback output:	0.58 $\pm$ 0.05V (LINE, DIN)		
Playback noise:	Less than 1.3 mV (METAL, CrO ₂ , Fe-Cr, DOLBY NR ON) Less than 2.8 mV (LH, DOLBY NR OFF)		
Rec./Pb output:	0 VU $\pm$ 1.5 dB (LINE OUT, DIN OUT)		
Rec./Pb distortion:	Less than 1.2% (METAL) Less than 1.5% (CrO ₂) Less than 1.1% (Fe-Cr) Less than 1.5% (LH)		
Rec./Pb S/N:	More than 43/46 dB (METAL, CrO ₂ , Fe-Cr, DOLBY NR OFF/ON) More than 40/45 dB (LH, DOLBY NR OFF/ON)		
Channel separation:	More than 35 dB		
Cross talk:	More than 60 dB		
Erasing ratio:	More than 60 dB		
Erasing ratio:	(METAL 125 Hz, CrO ₂ , Fe-Cr, LH 400 Hz, 0 VU +10 dB)		

- Specifications and external appearance are subject to change without notice due to product improvement.
- Dolby Noise Reduction System is licensed from Dolby Laboratories Incorporated.
- The name "Dolby" and the "Double D" symbol are trademarks of Dolby Laboratories Incorporated.

DISASSEMBLY INSTRUCTIONS

1. To Remove Cassette Lid

- 1) Remove the cassette lid in the direction shown by the arrow (See Figure 1.)

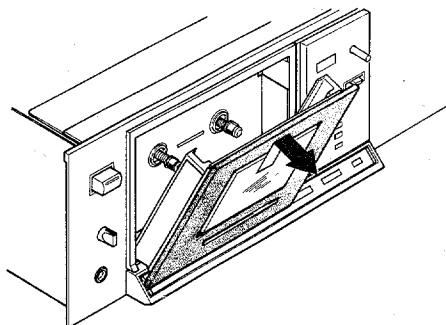


Fig. 1

2. To Remove Blinder and Cassette Plate

- 1) Remove the two cassette plate screws and pull the blinder in the direction of the arrow (See Figure 2.)

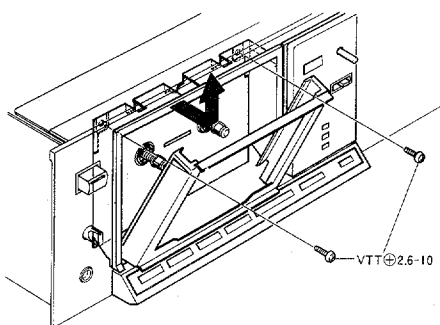


Fig. 2

3. To Remove Front Panel

- 1) Remove the eight knobs and six screws (See Figure 3.)

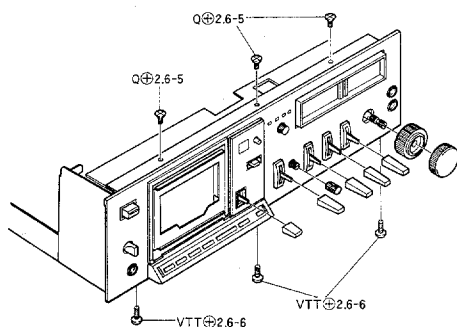


Fig. 3

4. To Remove Main Motor and Sub Motor

- 1) Bend the wires and solder, etc. into the shape of an "L" and place the main belt over the belt rest.
- 2) Once rotated in the direction of the arrow, the main and sub motors can be removed easily (See Figure 4.)

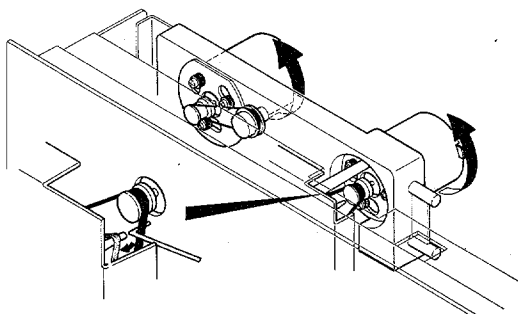


Fig. 4

5. To Remove Flywheel Support Plate

- 1) Loosen the screws and then slide the support plate in the direction of the arrow (See Figure 5.)

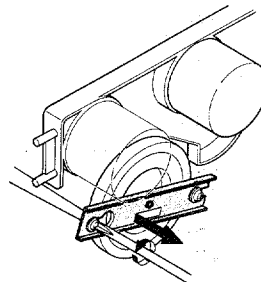


Fig. 5

6. To Remove Oil-damped Section

- 1) Remove the screw holding the power switch.
- 2) Remove the two logic circuit board screws.
- 3) Remove the screw. (See Figure 6.)

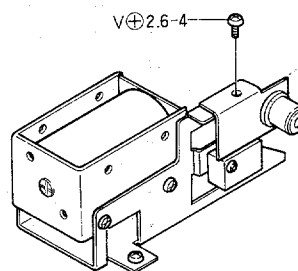


Fig. 6

Notes: Application of oil-damping oil

Apply silicon K oil (GD-10) evenly to the whole inside circumference of the holder (oil-damped) and the whole outside of the gear (oil-damped.) (See Figure 7.)

Rotate the gear (oil-damped) and then insert the holder. Wipe off any excess oil.

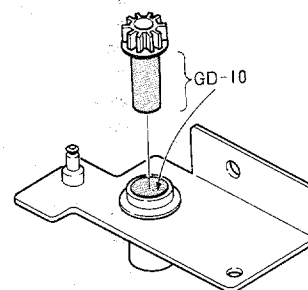
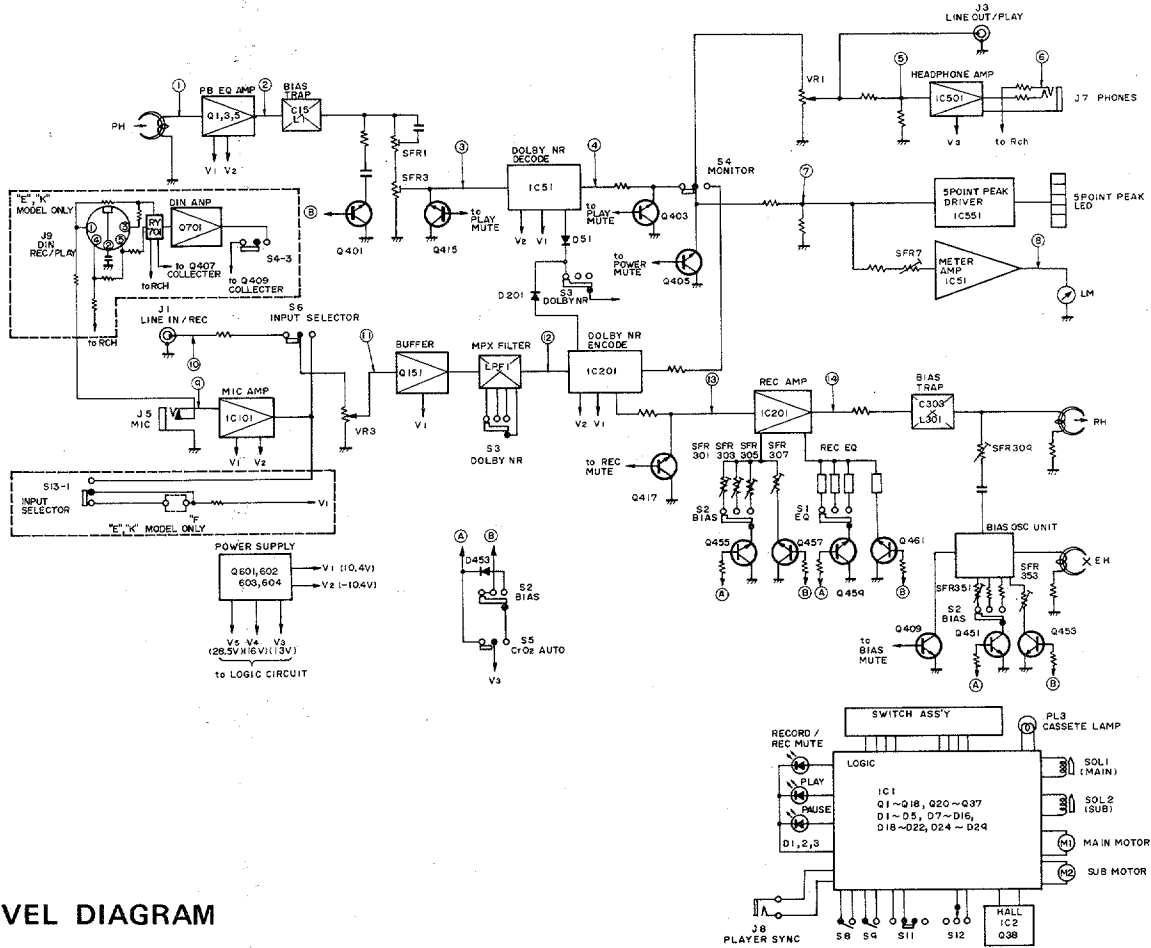
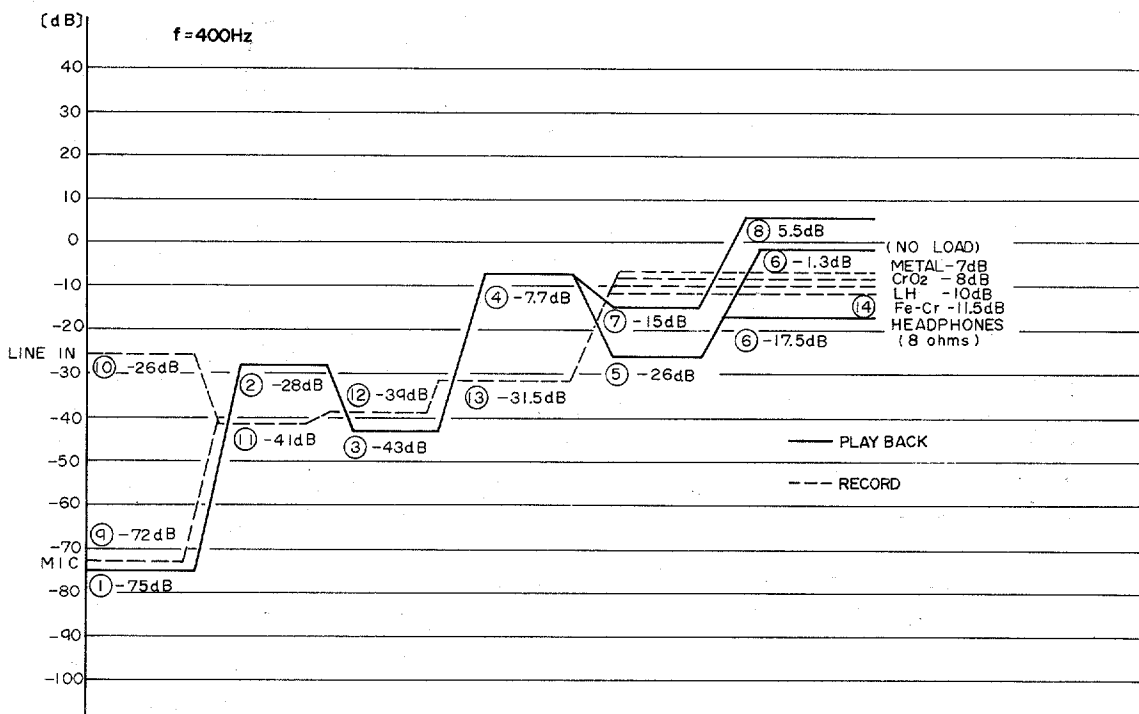


Fig. 7

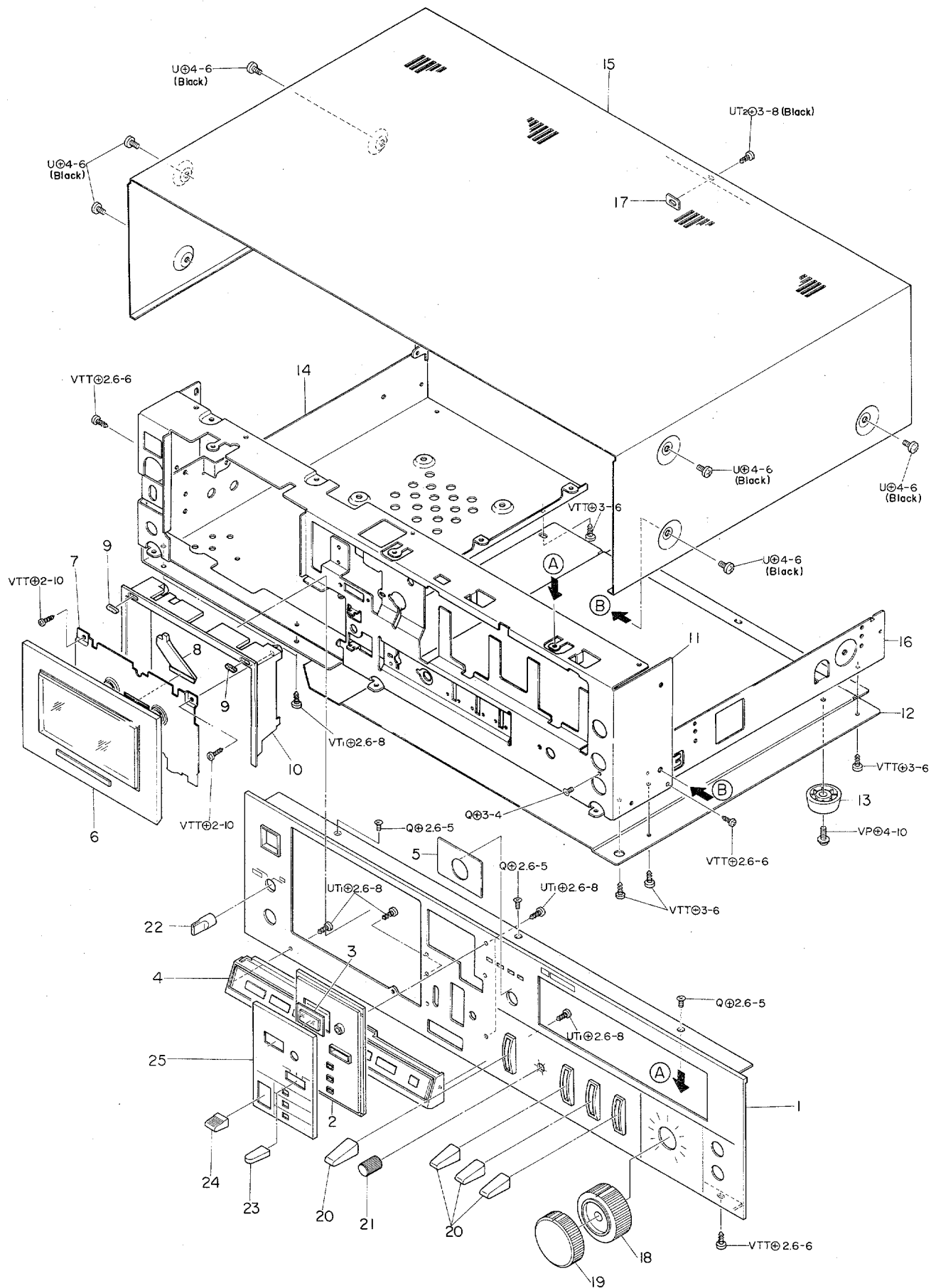
BLOCK DIAGRAM



LEVEL DIAGRAM



EXPLODED VIEW-1



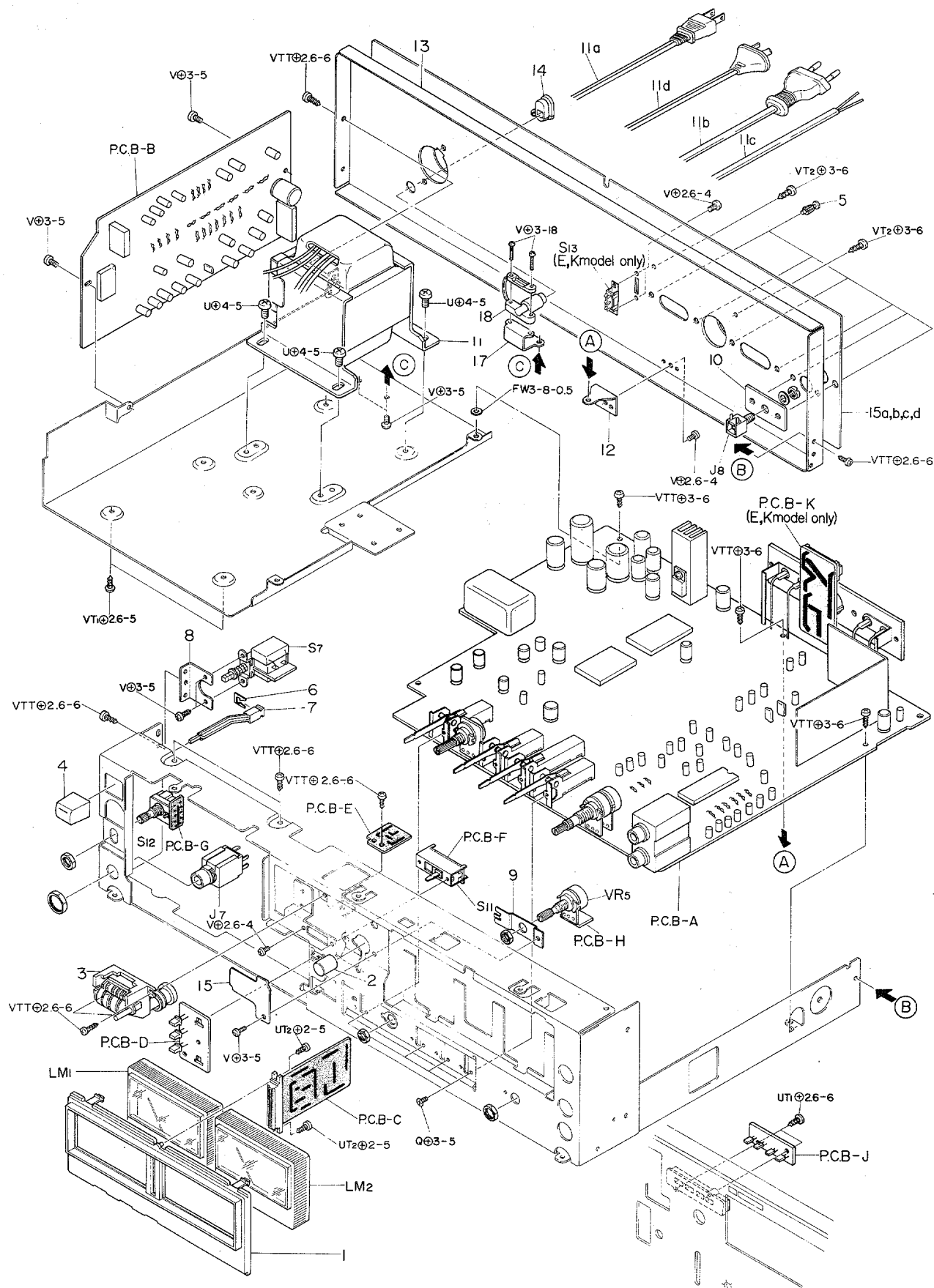
MECHANICAL PARTS

PARTS LIST

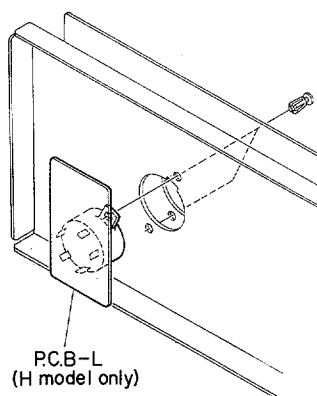
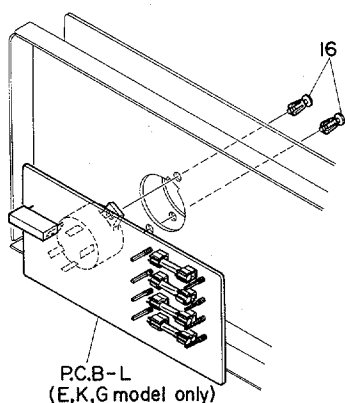
■ * mark in this part list shows exclusive part
(which is used) for only Model AD-M700.

Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
1-1	09-047-164-01		Front panel E ass'y	*	1
	82-154-013-01		Front panel	*	1
	82-154-005-01		Guide, Lever switch	*	3
	82-154-004-01		Guide, Lever switch	*	1
	82-318-014-01		Guide, Power button		1
	82-154-208-01		Guide, LED	*	1
1-2	82-318-006-01		Frame, Counter		1
1-3	82-397-030-01		Window, Counter		1
1-4	82-154-625-01		Switch board ass'y	*	1
1-5	82-154-018-01		Sheet, Bias instruction	*	1
1-6	09-047-161-01		Cassette lid ass'y	*	1
1-7	82-154-006-01		Cassette plate	*	1
1-8	82-154-015-01		Guide, Right	*	1
1-9	82-304-066-01		S cushion, Cassette lid		2
1-10	82-318-027-01		Blinder B		1
1-11	82-318-201-01		Chassis, Front		1
1-12	82-318-002-01		Bottom, Cabinet		1
1-13	87-085-161-01		Foot		4
1-14	82-154-217-01		Chassis A ₂ , Amp.	*	1
1-15	82-318-044-01		Steel cabinet		1
1-16	82-321-220-01		Chassis B ₂ , Amp.		1
1-17	82-380-439-01		Spacer, Back panel	AD-5600	1
1-18	82-318-019-01		REC knob B ass'y		1
1-19	82-318-016-01		REC knob A ass'y		1
1-20	82-318-023-01		Knob, Lever switch		4
1-21	82-318-043-01		Knob, Bias		1
1-22	82-318-022-01		Knob, Bias		1
1-23	82-318-024-01		Knob, Slide switch		1
1-24	82-328-025-01		Knob, Eject key		1
1-25	82-318-005-01		Panel, Counter		1

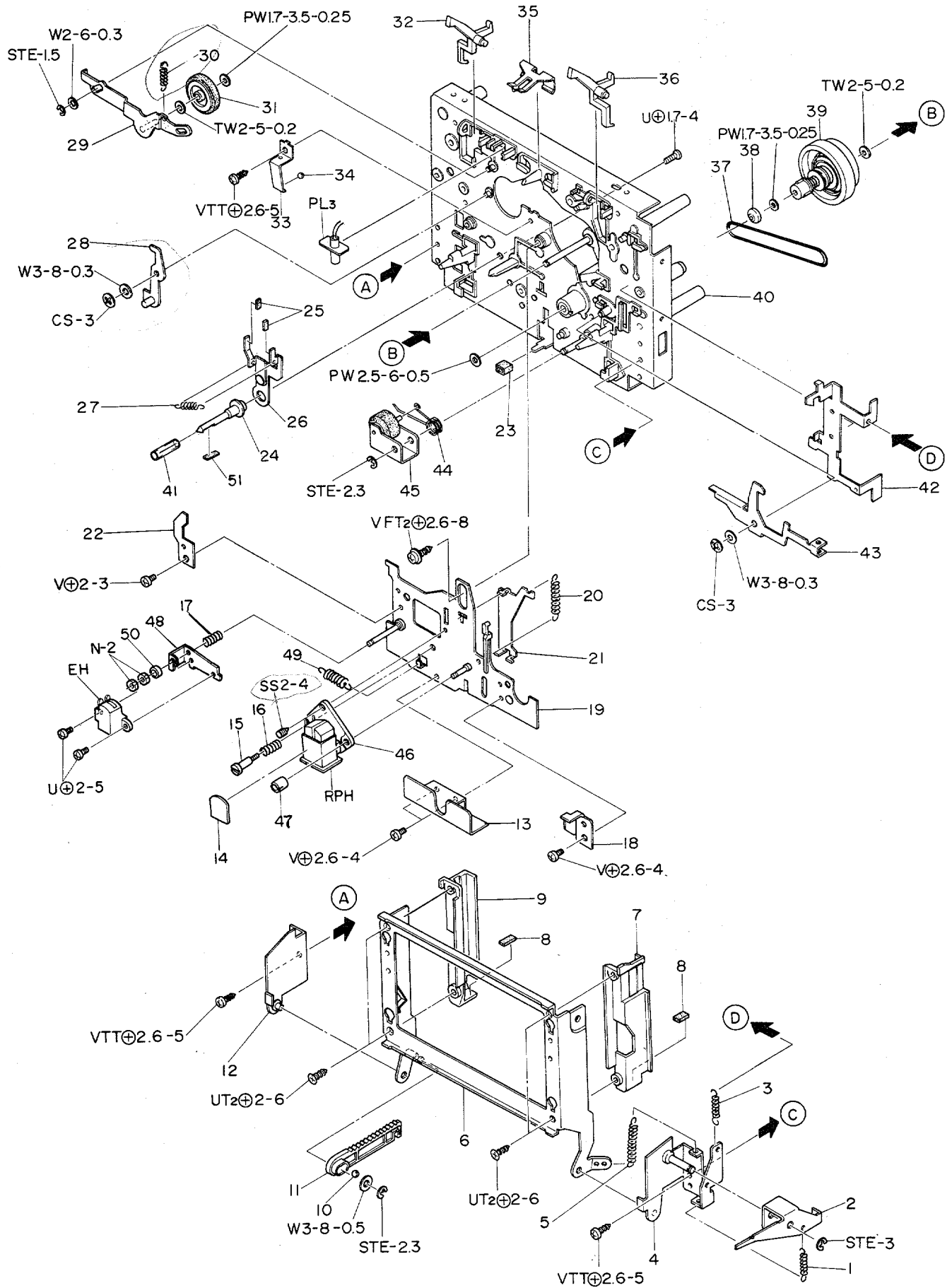
EXPLODED VIEW-2



Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty	
2-1	82-154-017-01		Frame, Meter M	*	1	
2-2	82-154-019-01		Knob, Pb A	*	1	
2-3	87-040-119-01		Counter		1	
2-4	82-318-025-01		Push button, Power		1	
2-5	87-085-102-01		Nylon rivet 3.5—5.5		6	
2-6	82-385-383-01		Rod stopper		1	
2-7	82-304-210-01		Rod, Power		1	
2-8	82-318-205-01		Holder, Power		1	
2-9	82-154-207-01		Holder, Bias volume	*	1	
2-10	82-387-273-01		Holder, Jack	AD-6800	1	
2-11a	87-034-826-01		AC power cord (H model only)		1	
2-11b	87-034-877-01		AC power cord (E model only)		1	
2-11c	87-034-872-01		AC power cord (K model only)		1	
2-11d	87-034-878-01		AC power cord (G model only)		1	
2-12	82-318-203-01		Holder, Circuit board		1	
2-13	82-318-210-01		Chassis, Rear		1	
2-14	87-085-165-01		Cord bushing (H, G model only)		1	
2-15a	82-154-010-01		Plate, Jack (H model only)	*	1	
2-15b	82-154-007-01		Plate, Jack (E model only)	*	1	
2-15c	82-154-008-01		Plate, Jack (K model only)	*	1	
2-15d	82-154-009-01		Plate, Jack (G model only)	*	1	
2-16	87-085-090-01		Nylon rivet		2	
2-17	82-397-244-01		Holder, AC power cord (E, K model only)	AD-6550	1	
2-18	87-085-166-01		Holder, AC power cord (E, K model only)		1	

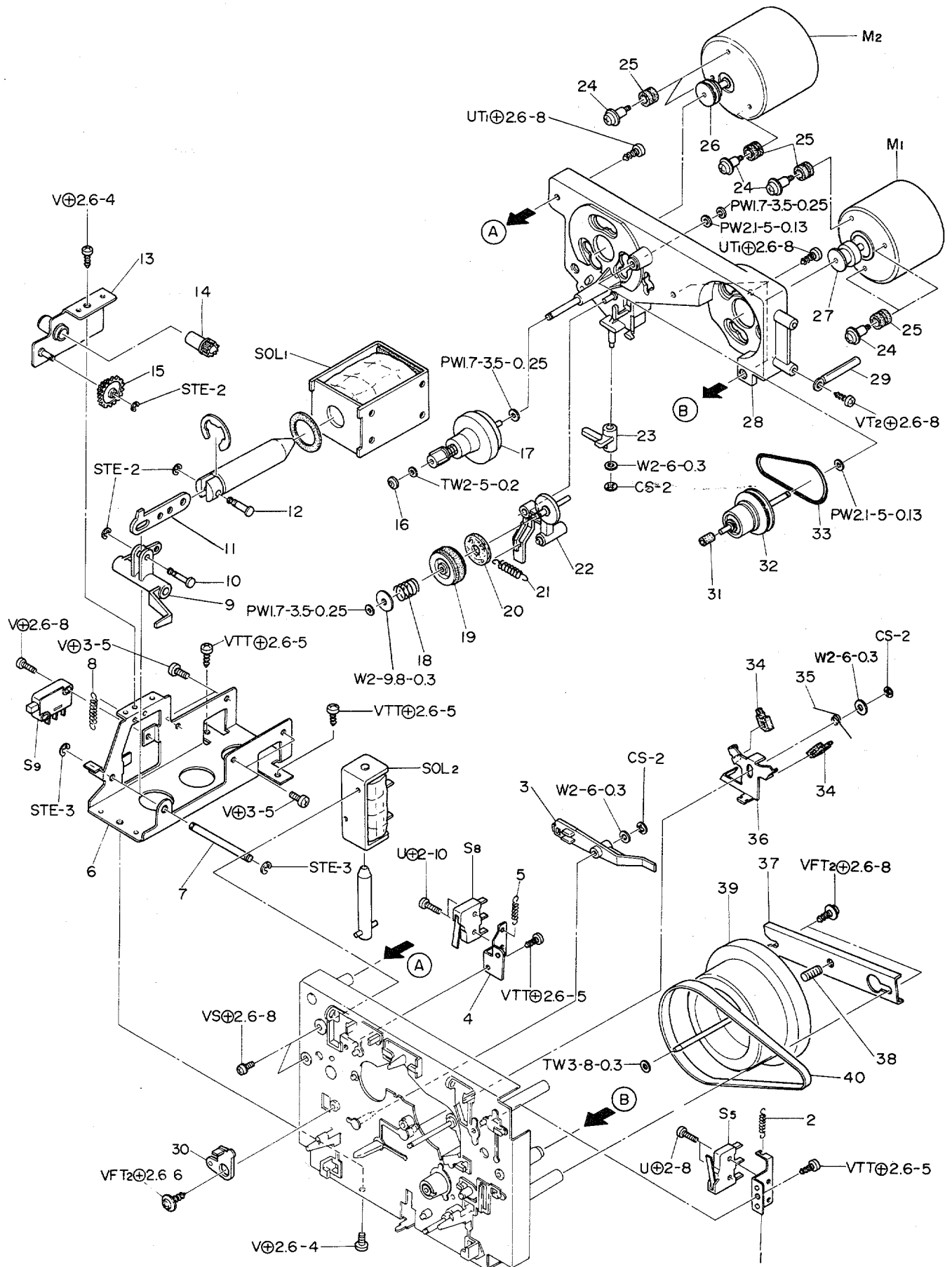


EXPLODED VIEW-3



Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty	
3-1	82-304-264-11		E spring, Eject lever	AD-6900	1	
3-2	82-304-236-01		Lever, Eject key	AD-6900	1	
3-3	82-392-374-01		E spring, Pause A	AD-6550	1	
3-4	82-319-220-01		Holder C, Box R ass'y		1	
3-5	82-319-230-01		E spring, Cassette lid		1	
3-6	82-319-216-01		Cassette box ass'y		1	
3-7	82-304-046-01		Holder R, Cassette	AD-6900	1	
3-8	82-304-284-01		G cushion, Cassette	AD-6900	2	
3-9	82-304-047-01		Holder L, Cassette	AD-6900	1	
3-10	87-073-005-01		Steel ball 2φ		1	
3-11	82-541-240-01		Lever, Oil damper	TPR-950	1	
3-12	82-319-223-01		Holder C, Box L ass'y		1	
3-13	82-397-291-01		Shield plate, Head	AD-6550	1	
3-14	82-304-069-01		Label, Head	AD-6900	1	
3-15	82-304-289-01		Screw, RPH	AD-6900	1	
3-16	82-304-290-01		C spring, Head	AD-6900	1	
3-17	82-154-209-01		C spring, Erase head platform	*	1	
3-18	82-303-294-01		Holder, T spring	AD-6700	1	
3-19	82-154-202-01		Outsert actuating chassis sub ass'y	*	1	
3-20	82-319-229-01		E spring, Actuating		1	
3-21	82-319-210-01		Actuating slide plate		1	
3-22	82-319-209-01		Guide, Idler lever		1	
3-23	82-397-307-01		G cushion, Eject lever	AD-6550	1	
3-24	82-154-212-01		Shaft, Tension	*	1	
3-25	82-303-382-01		Felt, Sub brake	AD-6700	2	
3-26	82-319-259-01		Lever, Back tension ass'y		1	
3-27	82-319-258-01		E spring, Back tension		1	
3-28	82-319-235-01		PAC lever ass'y		1	
3-29	82-303-342-01		Play idler lever ass'y	AD-6700	1	
3-30	82-303-325-01		E spring, Play idler	AD-6700	1	
3-31	82-303-274-01		Play idler ass'y	AD-6700	1	
3-32	82-303-346-01		REC blocking lever	AD-6700	1	
3-33	82-319-215-01		P spring, Actuating A		1	
3-34	82-215-341-01		Steel ball 3/32		1	
3-35	82-319-214-01		P spring, Cassette		1	
3-36	82-303-349-01		Lever, CrO ₂	AD-6700	1	
3-37	82-318-207-01		Belt, Counter		1	
3-38	82-303-398-01		Take up reel platform cap	AD-6700	1	
3-39	82-303-249-01		Take up reel platform ass'y	AD-6700	1	
3-40	09-047-153-01		Main chassis ass'y		1	
3-41	87-819-301-01		Tube		1	
3-42	82-319-212-01		Lock slide plate		1	
3-43	82-319-211-01		Lever, Play switch		1	
3-44	82-303-316-01		T spring, Pinch lever	AD-6700	1	
3-45	82-319-252-01		Pinch roller ass'y		1	
3-46	87-046-175-01		Head combination		1	
3-47	82-304-317-01		Nut, Azimuth	AD-6900	1	
3-48	82-303-374-01		Holder, EH	AD-6700	1	
3-49	82-303-377-01		E spring, EH	AD-6700	1	
3-50	82-303-371-01		Collar, EH	AD-6700	1	
3-51	82-303-372-01		Felt, EH	AD-6700	1	

EXPLODED VIEW-4



Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty	
4-1	82-319-241-01		Holder, CrO ₂		1	
4-2	82-319-251-01		E spring, CrO ₂		1	
4-3	82-303-286-01		Lever, Brake	AD-6700	1	
4-4	82-303-350-01		Holder, REC blocking	AD-6700	1	
4-5	82-319-234-01		E spring, REC blocking		1	
4-6	82-319-207-01		Holder, Plunger		1	
4-7	82-304-244-01		Shaft, Play lever	AD-6900	1	
4-8	82-304-249-01		E spring, Actuating	AD-6900	1	
4-9	82-304-232-01		Lever, Play	AD-6900	1	
4-10	82-304-243-01		Shaft B, Plunger	AD-6900	1	
4-11	82-319-250-01		Slide plate, Play B		1	
4-12	82-304-242-01		Shaft A, Plunger	AD-6900	1	
4-13	82-319-225-01		Holder, Oil damper ass'y		1	
4-14	82-534-264-01		Gear, Oil damper	TPR-980	1	
4-15	82-319-239-01		Gear, Oil		1	
4-16	82-303-398-01		Take up reel platform cap	AD-6700	1	
4-17	82-154-216-01		Supply reel platform ass'y	*	1	
4-18	82-303-322-01		C spring, FR idler	AD-6700	1	
4-19	82-303-271-01		Idler pulley FR ass'y	AD-6700	1	
4-20	82-303-335-01		Felt 6.4-14	AD-6700	1	
4-21	82-303-353-01		E spring, FR lever	AD-6700	1	
4-22	82-303-277-01		FR lever ass'y	AD-6700	1	
4-23	82-303-292-01		Lever, FR ejector	AD-6700	1	
4-24	87-081-483-01		Motor screw M2.6		6	
4-25	82-493-319-01	429	Rubber cushion B	TPR-300	6	
4-26	82-319-247-01		Motor pulley, FR		1	
4-27	82-319-248-01		Motor pulley, Flywheel A		1	
4-28	09-047-152-01		Sub chassis ass'y		1	
4-29	87-038-039-01		Wire binder		1	
4-30	82-303-288-01		Lever, Actuating lock	AD-6700	1	
4-31	82-303-309-01		Drive rubber	AD-6700	1	
4-32	82-303-330-01		Slip pulley ass'y	AD-6700	1	
4-33	82-303-385-01		Rubber belt FR B	AD-6700	1	
4-34	82-439-426-01		Brake shoe A	TPR-300	1	
4-35	82-303-318-01		T spring, Brake	AD-6700	1	
4-36	82-303-297-01		Slide plate, Brake	AD-6700	1	
4-37	82-319-238-01		Plate, Flywheel		1	
4-38	82-331-107-01		Thrust screw		1	
4-39	82-154-218-01		Flywheel ass'y	*	1	
4-40	82-319-227-01		Rubber belt, Flywheel		1	

ACCESSORIES/PACKAGE

Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty	
1	82-154-855-01		Printed indiv., Packing	*	1	
2	82-318-861-01		Cushion L, Printed indiv.		1	
3	82-318-862-01		Cushion R, Printed indiv.		1	
4	82-318-860-01		Pad, Cassette window		1	
5	87-051-131-11		Poly-vinyl sack (for AC power cord) (H model only)		1	
6	87-051-135-11		Poly-vinyl sack (for AC power cord) (E,K,G model only)		1	
7	87-056-607-01		Poly-vinyl sack (for case)		1	
8a	82-154-904-01		Instructions booklet (H model only)	*	1	
8b	82-154-906-01		Instructions booklet (E model only)	*	1	
8c	82-154-907-01		Instructions booklet (K model only)	*	1	
8d	82-154-908-01		Instructions booklet (G model only)	*	1	
9	87-051-175-01		Poly-tube A (for instruction)		1	
10	87-056-008-11		Label, AC power cord (K model only)		1	
11	87-056-009-41		Distributors list		1	
12	87-056-016-01		Tag, Main voltage (K model only)		1	
13	87-056-042-01		Label, Metal POP		1	
14a	86-944-012-01		Connection cord CW-129BSK (H,K model only)		1	
14b	86-925-015-01		Connection cord CW-115BSK (E model only)		1	
15	87-032-845-01		Siemens plug (H model only)		1	

ELECTRICAL MAIN PARTS LIST

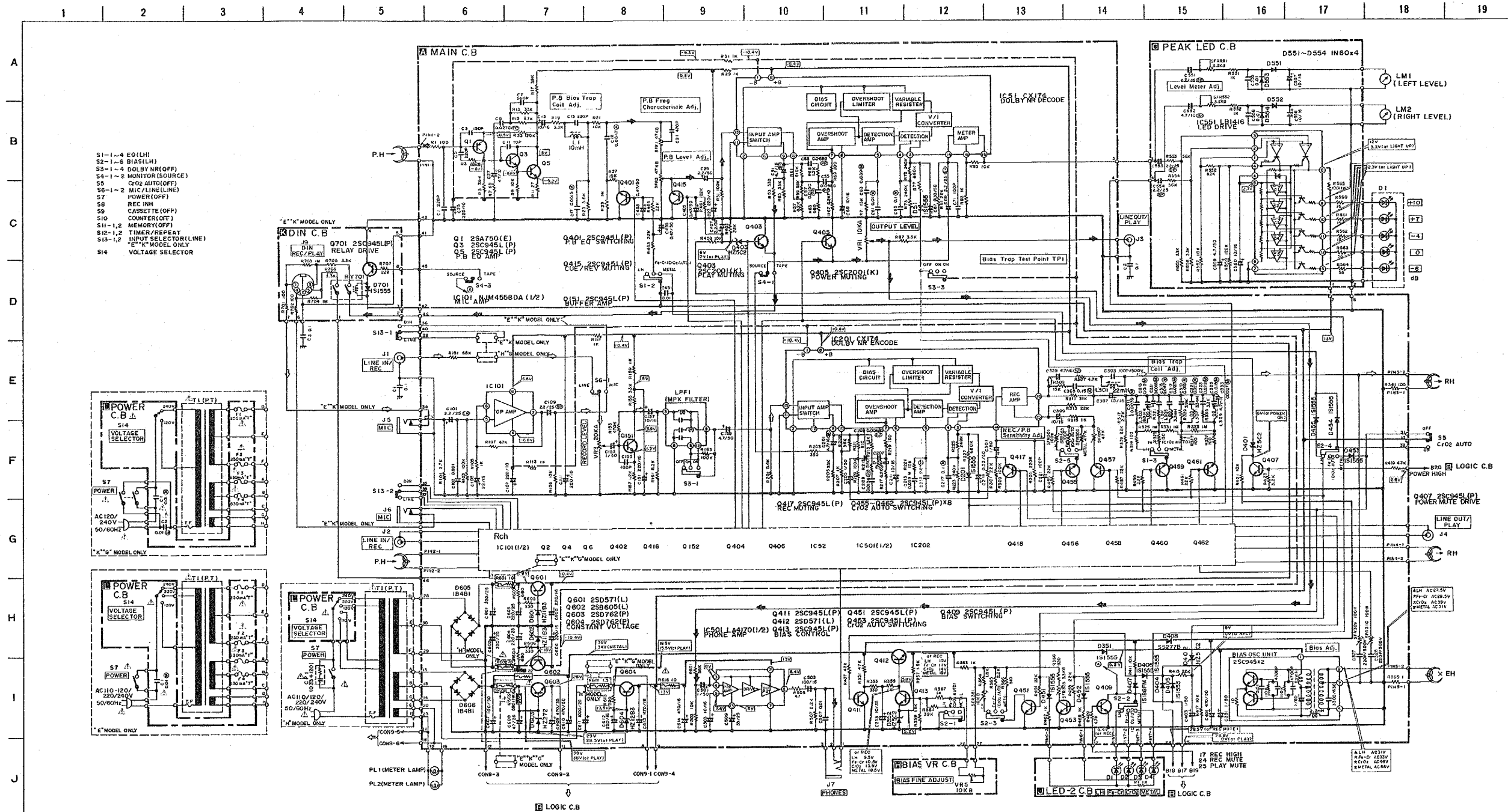
Symbol No.	Part No.	Description
« MAIN CIRCUIT BOARD SECTION »		
PCB-A	82-154-602-01	Main circuit board
IC51,52,201	87-027-557-01	IC, CX-174
202		
IC101	87-027-371-01	IC, NJM4558DA
IC501	87-027-382-01	IC, LA4170
Q1,2	89-107-505-01	Transistor, 2SA750 (E)
Q3,4,5,6,151	89-309-456-01	Transistor, 2SC945L (P)
152,401,402		
407,409,411		
413,416,451		
453,455,456		
457,458,459		
460,461,462		
Q403,404,405	89-320-011-01	Transistor, 2SC2001 (K)
406,417,418		
Q412,601	89-405-712-01	Transistor, 2SD571 (L)
Q602	89-206-052-01	Transistor, 2SB605 (L)
Q603,604	89-407-624-01	Transistor, 2SD762 (P)
D51,52,201	87-027-097-01	Diode, 1S1555
202,351,404		
405,406,451		
452,453,454		
455		
D352,401,402	87-027-555-01	Zener diode, HZ5C2
403		
D408	87-027-365-01	Diode, S5277B
D407	88-052-188-01	Diode, 1S188 (FM)
D601,602	87-027-556-01	Zener diode, HZ-1183
D603	87-027-479-01	Zener diode, HZ-272
D604	87-027-509-01	Zener diode, HZ-1283
D605,606	87-027-163-01	Encapsulated diode
L1,2	82-938-640-01	Coil, 10mH
L301,302	82-304-701-01	Coil 22mH
L303,304	82-371-648-01	Micro inductor coil, 6.8mH
L305,306,307	87-005-091-01	Micro inductor coil, 3.3mH
308		
L309,310	87-005-093-01	Micro inductor coil, 4.7mH
LPF1,2	87-030-060-01	Low pass filter
BIAS OSC UNIT	82-328-602-01	OSC unit
VR1,2	82-154-615-01	Volume, 10k Ω -A (OUTPUT LEVEL)
VR3,4	82-318-610-01	Volume, 20k Ω -A (RECORD LEVEL)
J1,2,3,4	82-309-639-01	Pin jack ass'y (LINE IN/REC, LINE OUT/PLAY)
J5,6	87-032-957-01	MIC jack ass'y w/switch (MIC)
S1,3	87-031-499-01	Lever switch (EQ, DOLBY NR)
S2	82-154-611-01	Lever switch (BIAS)
S4	82-481-660-01	Lever switch (MONITOR)
SFR1,2,3,4	87-021-615-01	Semi-fixed resistor, 47k Ω -B
305,306		
307,308		
SFR301,302	87-021-616-01	Semi-fixed resistor, 100k Ω -B
303,304		
309,310		
SFR351	87-021-613-01	Semi-fixed resistor, 10k Ω -B
PIN1,2,3,4	87-032-903-01	Pin, 3P
5,6		
PIN7	87-032-904-01	Pin, 4P

Symbol No.	Part No.	Description
« RESISTOR »		
R608,611	87-029-066-01	1.5 Ω $\frac{1}{4}$ W Fuse resistor
R601,602	87-029-017-01	10 Ω $\frac{1}{4}$ W Fuse resistor
R615	87-029-017-01	10 Ω $\frac{1}{4}$ W Fuse resistor
R607	87-029-007-01	22 Ω $\frac{1}{4}$ W Fuse resistor
R609	87-025-068-01	680 Ω 1W Nonflammable resistor
R67,68,217	87-025-239-01	6.2k Ω Metal film resistor
218		
« CAPACITORS »		
C101,102	87-015-242-01	2.2 μ F 25V Electrolytic LL
C69,70,109	87-015-453-01	2.2 μ F 25V Electrolytic BP
110		
C29,30,51,52	87-015-464-01	4.7 μ F 16V Electrolytic BP
201,202		
C303,304	88-238-410-01	100pF 500V Ceramic
C327,328	88-238-480-01	220pF 500V Ceramic
C53,54,203	87-014-116-01	0.0068 μ F PP
204		
C57,58,209	87-014-118-01	0.015 μ F PP
210		
C9,10	87-014-119-01	0.027 μ F PP
C55,56,207	87-014-120-01	0.056 μ F PP
208		
« LOGIC CIRCUIT BOARD SECTION »		
PCB-B	82-318-603-21	Logic circuit board
IC1	87-027-477-01	IC, TC-9121P
Q1,2,3,4,5,6	89-318-155-01	Transistor, 2SC1815 (GR)
8,12 13,14		
15,16 17,20		
22,27 30,33		
35,36 37		
Q7	89-309-456-01	Transistor, 2SC945L (P)
Q10,29,32	89-318-464-51	Transistor, 2SC1846 (R,S)
Q9,11	89-407-624-01	Transistor, 2SD762 (P)
Q16,25,26	89-313-835-01	Transistor, 2SC1383NC (Q)
Q21,34	89-107-335-61	Transistor, 2SA733K (P)
Q23,24	89-106-835-01	Transistor, 2SA683NC (Q)
Q28,31	89-108-854-51	Transistor, 2SA885R (S)
D1,2,3,4,5,7,8	87-027-097-01	Diode, 1S1555
9,11,12 15		
16,18,19 20		
26,27,28 29		
D10,13,21,22	87-027-365-01	Diode, S5277 (B)
24,25		
D14	87-027-475-01	Zener diode, HZ-6B1
SFR1	87-021-480-01	Semi-fixed resistor, 50k Ω -B
PIN-8	87-032-955-01	Pin, 8P
PIN-9	87-032-926-01	Pin, 6P
« RESISTOR »		
R27	87-025-218-01	33 Ω 5W Nonflammable resistor

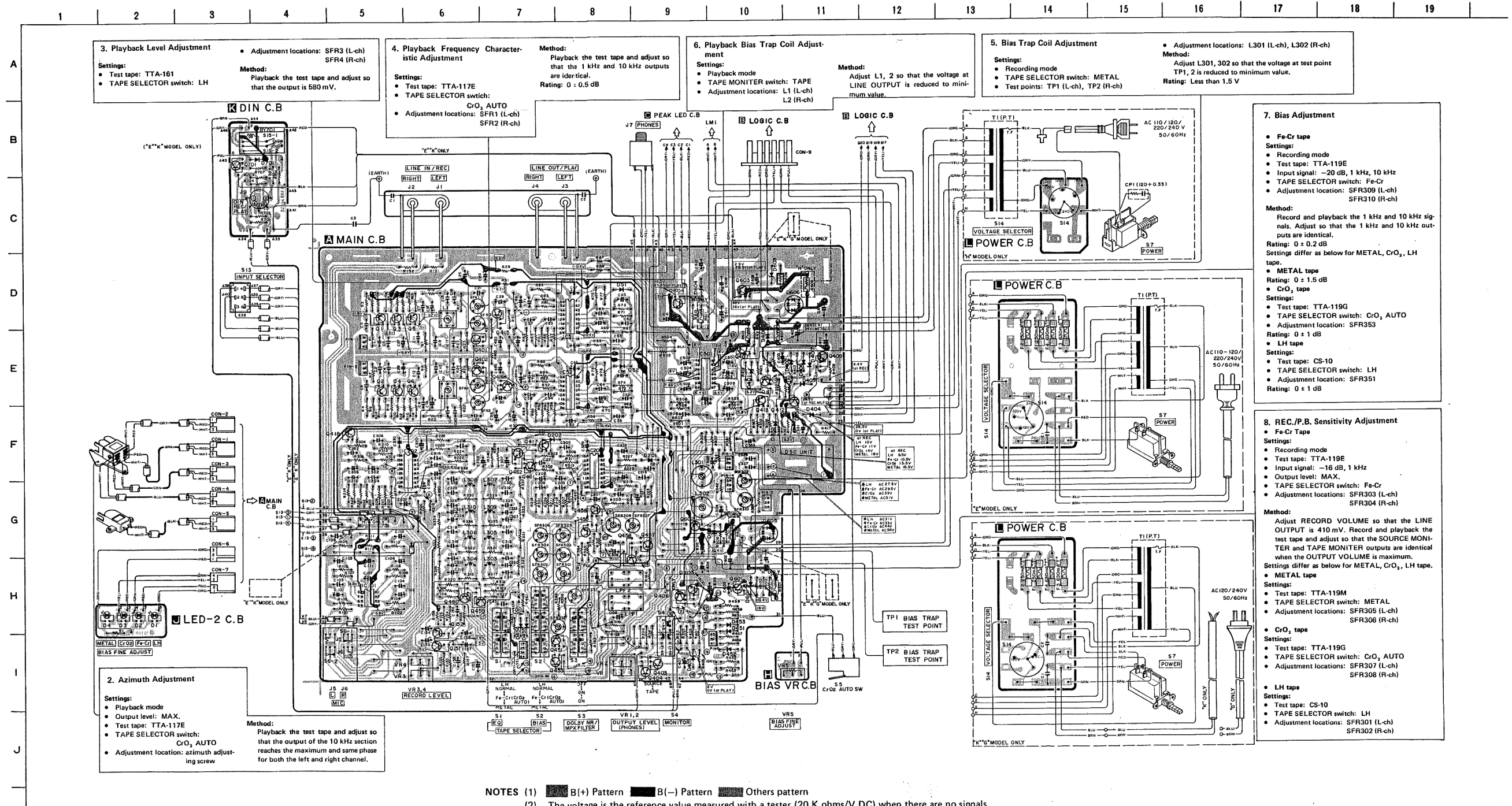
Symbol No.	Part No.	Description
« PEAK LED CIRCUIT BOARD SECTION »		
PCB-C	82-154-605-01	Peak LED circuit board
IC551	87-027-351-01	IC, LB1416
D1	87-027-432-01	Light emitting diode 5 points (PEAK)
D551,552,553	88-051-060-01	Diode, 1N60
554		
SFR353,551	87-021-611-01	Semi-fixed resistor, 3.3k Ω -B
552		
« RESISTOR »		
R565	87-025-072-01	100 Ω 2W Nonflammable resistor
« CAPACITORS »		
C553,554	87-015-453-01	2.2 μ F 25V Electrolytic BP
C551,552	87-015-464-01	4.7 μ F 16V Electrolytic BP
« LED-1 CIRCUIT BOARD SECTION »		
PCB-D	82-318-604-21	LED-1 circuit board
D1	87-027-353-01	Light emitting diode, (YEL) (PAUSE)
D2	87-027-352-01	Light emitting diode, GL-9NG2 (PLAY)
D3	87-027-354-01	Light emitting diode, GL-9PR2 (RECORD/REC MUTE)
« HALL IC CIRCUIT BOARD SECTION »		
PCB-E	82-318-607-21	Hall IC circuit board
IC2	87-027-478-01	IC, DN-6835
Q38	89-318-155-01	Transistor, 2SC1815 (GR)
« MEMORY CIRCUIT BOARD SECTION »		
PCB-F	82-318-606-21	Memory circuit board
S11	82-318-615-01	Lever switch (MEMORY)
« TIMER CIRCUIT BOARD SECTION »		
PCB-G	82-318-605-21	Timer circuit board
S12	87-031-502-01	Rotary switch (TIMER/REPEAT)
« BIAS VOLUME CIRCUIT BOARD SECTION »		
PCB-H	82-154-603-01	Bias volume circuit board
VR5	82-154-616-01	Volume, 10k Ω -B (BIAS FINE ADJ)
« SWITCH CIRCUIT BOARD SECTION »		
	82-154-625-01	Switch board ass'y
« LED-2 CIRCUIT BOARD SECTION »		
PCB-J	82-154-604-01	LED-2 circuit board
D1,2	87-027-352-01	Light emitting diode (GRN) GL-9NG2 (LH, Fe-Cr)
D3	87-027-353-01	Light emitting diode (YEL) (CrO ₂)
D4	87-027-354-01	Light emitting diode (RED) GL-9PR2 (METAL)
« DIN CIRCUIT BOARD SECTION »		
E,K model only		
PCB-K	82-154-606-01	DIN circuit board
Q701	89-309-455-01	Transistor, 2SC945L (P)
D701	87-027-097-01	Diode, 1S1555
RY701	84-184-612-01	Reed relay, HA212N
J1,2,3,4,9	82-309-637-01	Pin jack ass'y DIN

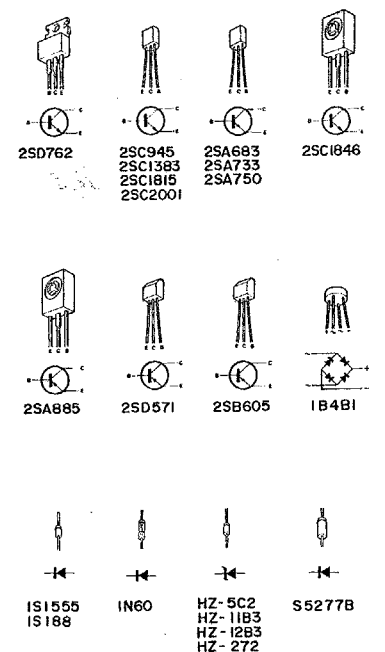
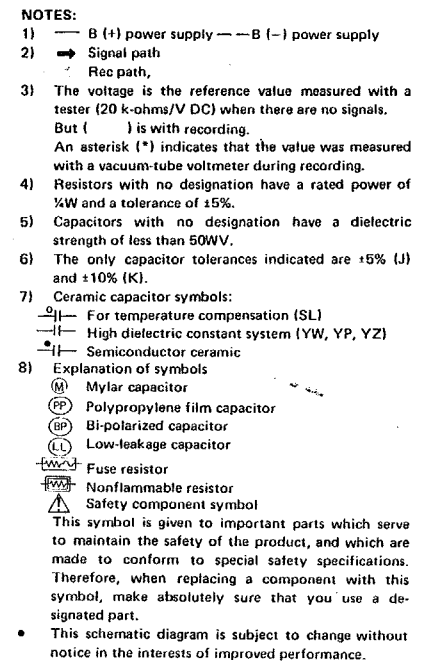
Symbol No.	Parts No.	Description
« POWER CIRCUIT BOARD SECTION »		
PCB-L	82-304-733-11	Power circuit board
PCB-L	82-154-608-01	Power circuit board
S14	82-304-732-01	Rotary switch (VOLTAGE SELECTOR) (H model only)
S14	87-031-459-01	Rotary switch (VOLTAGE SELECTOR) (E model only)
F1,2	87-035-145-01	Fuse, "T" 250mA
	87-098-010-01	Fuse label, "T" 250mA
F3,4	87-035-220-01	Fuse, "T" 630mA
	87-098-014-01	Fuse label, "T" 630mA
	87-033-147-01	Fuse clamp
« MISCELLANEOUS »		
T1	82-318-621-01	Power transformer (H model only)
T1	82-318-623-01	Power transformer (E model only)
T1	82-318-624-01	Power transformer
		(K,G model only)
RH,PH	87-046-175-01	REC/PB head combination
EH	87-046-173-01	Erase head
LM1,2	82-154-612-01	Level meter
PL3	82-318-628-01	Pilot lamp 8V
CP1	87-028-036-01	Compound capacitor (H model only)
M1	82-154-621-01	Motor DC, FG (MAIN)
M2	82-319-617-01	Motor DC (SUB)
SOL1	82-319-615-01	Solenoid (FWD) (MAIN)
SOL2	82-304-640-01	Solenoid (FRI) (SUB)
S5,8	82-304-724-01	Micro switch (CrO ₂ , AUTO, REC INH)
S7	87-031-467-01	Push switch (POWER)
S9	82-319-613-01	Micro switch (CASSETTE)
S13	87-031-460-01	Slide switch (INPUT SELECTOR)
J7	87-032-748-01	Jack, 6.3 ϕ (PHONES)
J8	87-032-882-01	Jack, 2.5 ϕ (PLAYER SYNC)
	87-034-826-01	AC power cord (H model only)
	87-034-877-01	AC power cord (E model only)
	87-034-872-01	AC power cord (K model only)
	87-034-878-01	AC power cord (G model only)
	87-033-140-01	Splice connector (H model only)
	87-085-165-01	Cord bushing (H model only)
CON-1	82-309-648-01	3P connector ass'y
CON-2	82-309-649-01	3P connector ass'y
CON-3	82-154-618-01	3P connector ass'y
CON-4	82-154-619-01	3P connector ass'y
CON-5	82-154-617-01	3P connector ass'y
CON-6	82-154-622-01	3P connector ass'y
CON-7	82-154-623-01	4P connector ass'y
CON-9	82-318-635-01	6P connector ass'y
« CAPACITORS »		
C1	87-019-096-01	0.01 μ F Ceramic
		(E model only)
C1,2	87-019-096-01	0.01 μ F Ceramic
		(K,G model only)

⚠ This symbol is given to important parts which serve to maintain the safety of the product, and which are made to conform to special safety specifications. Therefore, when replacing a component with this symbol, make absolutely sure that you use a designated part.

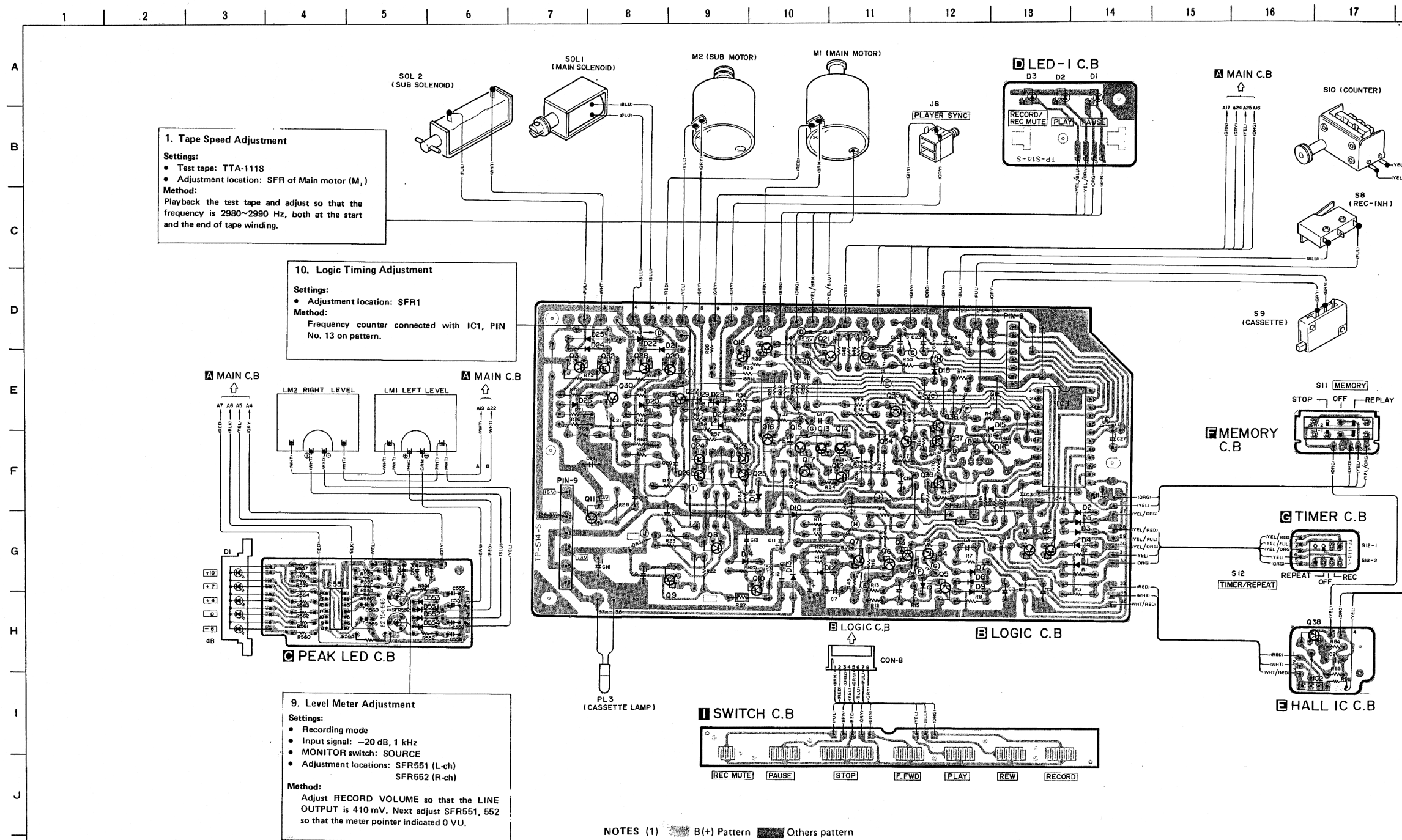


WIRING-1





WIRING-2



- NOTES (1) B(+) Pattern Others pattern
(2) The voltage is the reference value measured with a tester (20 K ohms/V DC) when there are no signals. An asterisk (*) indicates that the value was measured with a vacuum-tube voltmeter during recording.