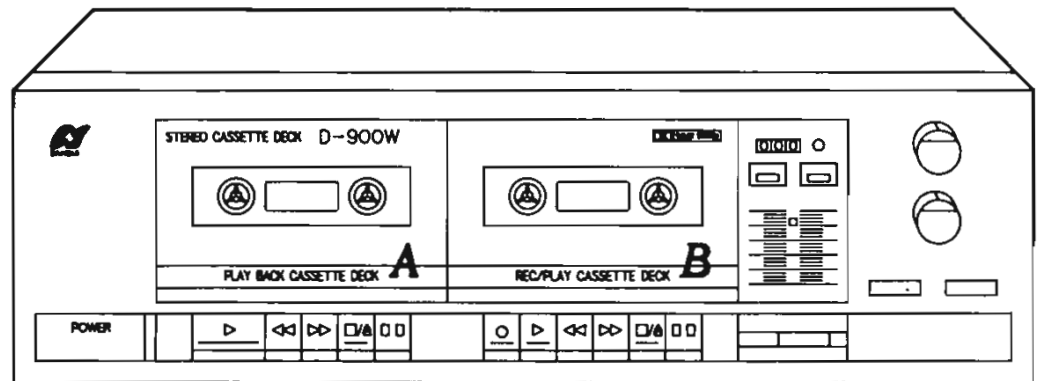




SERVICE MANUAL

D-900W STEREO CASSETTE DECK



CAUTION

1. Parts identified by the \triangle symbol on the schematic diagram and the parts list are critical for safety. Use only replacement parts that have critical characteristics recommended by the manufacturer.
2. Make leakage-current or resistance measurements to determine that exposed parts are acceptably insulated from the supply circuit before returning the appliance to the customer.

● SPECIFICATIONS

Track format	4-track/2-channel system
Tape speed	4.75 cm/sec
Heads	
Rec/play head	HIGH-Bs hard permalloy
Play head	HIGH-Bs hard permalloy
Erase head	Double-gap HIGH-Bs ferrite
Motor	Electronically controlled DC motor x 2
	Reels: DC Motor x 2
Wow/flutter	0.2% max (WRMS)
Fast forwarding (rewinding)	
time	Approx. 140 sec. (for C-60 tape)
Frequency response (-20 UV recording/playback)	
Normal tape (LH) . . .	50 to 13,000 Hz \pm 3dB
Chrome tape	50 to 15,000 Hz \pm 3dB
Metal tape	50 to 15,000 Hz \pm 3dB

Signal-to-noise ratio (recording/playback with metal tape)	
DOLBY NR OFF . . .	Better than 45dB
DOLBY-B NR ON . .	Better than 55 dB
Erase rate (metal tape) .	More than 70 dB at 1 kHz
Recording bias frequency	105 kHz
Input sensitivity/Impedance	
LINE IN (REC)	60mV/47 kohms
Power requirements . . .	120V220 ~240V
	50/60 Hz
	For U.S.A. and Canada 120V (60 Hz)
Power consumption . . .	13 watts
Dimensions	430 mm (16-15/16") W
	127 mm (5") H
	228 mm (8-31/32") D
Weight	3.6 kg (7.9 lbs) net
	4.5 kg (9.9 lbs) packed

- * Design and specifications subject to changes without notice for improvements.
- * Due to local laws and regulations, this unit sold in some areas is not equipped with variable voltage selector.
- * Dolby noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation "Dolby" and the double D symbol are trade marks of Dolby Laboratories Licensing Corporation.

NOTE

1. The symbols, UL, CSA, SA, BS, UK, EU, AS, SEV, SS, XX (EXPORT) and XX-V (EXPORT (V)) on the parts list and the schematic diagram mean followings respectively.

UL Manufactured for U.S.A market.
(Underwriters Laboratories approved model.)

CSA Manufactured for Canadian market.

SA Manufactured for South African market.

BS, UK Manufactured for United Kingdom market

EU Manufactured for European market.

AS Manufactured for Australian market.

SEV Manufactured for Swiss market.

SS Manufactured for Saudi Arabia market.

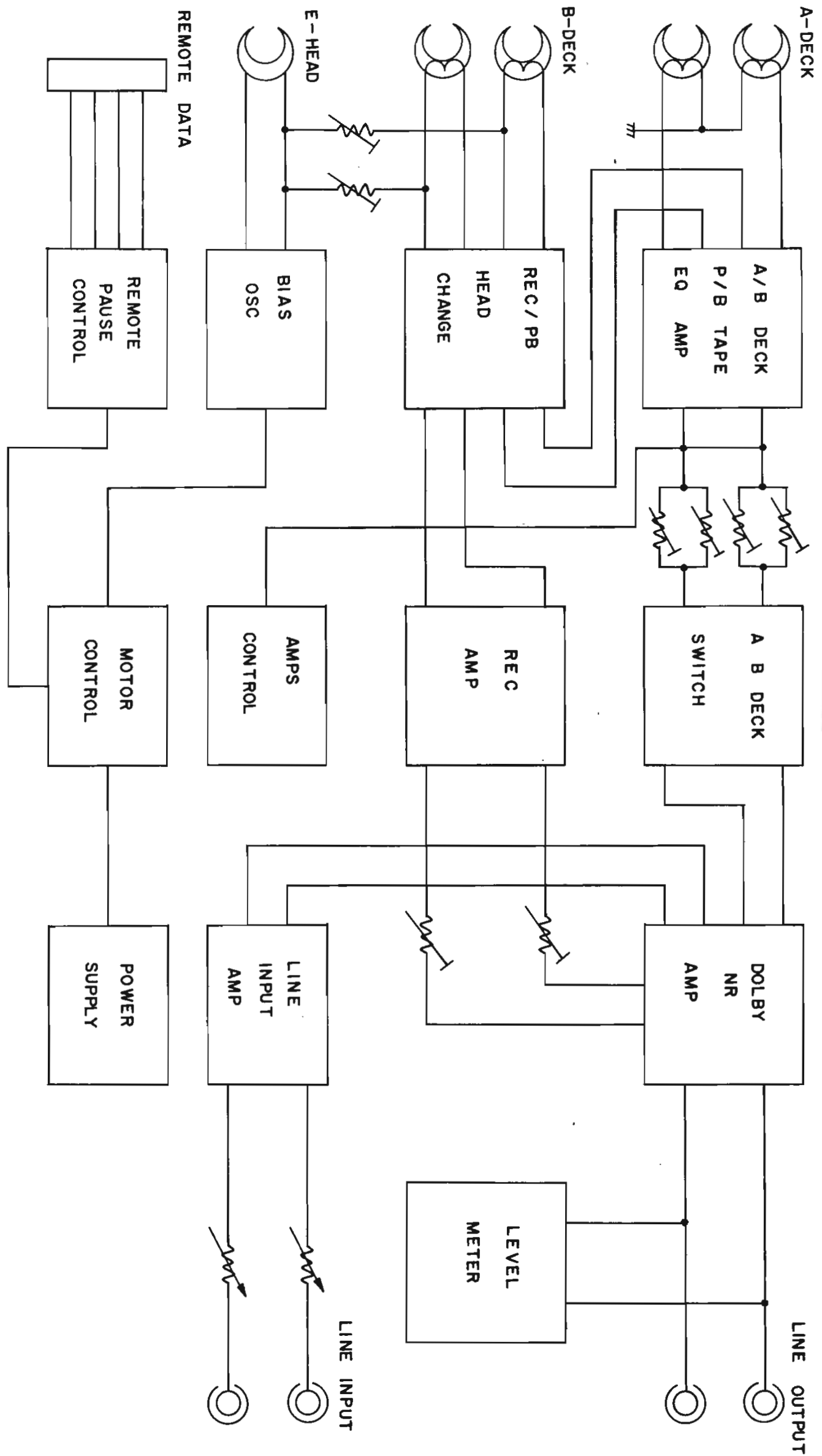
XX (EXPORT) Standard Version with Inner Voltage
Selector.

XX-V (EXPORT(V))... Standard Version with Outer Voltage Selector.

NON MARK. Common Parts.

2. Some printed circuit boards are not supplied assembled. To separate these in this service manual, the stock numbers are not indicated for these boards. However, stock numbers for individual parts are indicated.
3. Since some capacitors and resistors are omitted from parts lists in this service manual, refer to the Common Parts List for capacitors and resistors, which was issued on March 1987.

1. BLOCK DIAGRAM



2. SPECIFICATION OF ADJUSTMENT

PLAY-BACK

(1) MAGNETIC HEAD ADJUSTMENT

1. CONNECT 2-CH VTVM AND OSCILLOSCOPE TO OUTPUT L AND R.
2. SET TO PLAY AND DOLBY SWITCH TO "OFF" POSITION.
3. PLAY 12.5KHz AZIMUTH TEST TAPE. (MTT-114NA)
4. USING THE ADJUSTMENT SCREW TO THE LEFT OF THE MAGNETIC HEAD, ADJUST FOR MAXIMUM VOLTAGE AND SAME PHASE.
5. AFTER ALIGNMENT, LOCK THE ADJUSTING SCREW IN POSITION USING LOCKING COMPOUND.

(2) PLAYBACK LEVEL ADJUSTMENT

PLAY BACK LEVEL MEANS OUTPUT LEVEL OF DOLBY IC WHEN PLAY DOLBY-LEVEL SET TAPE (MTT-150-200nWb/m)

A. DECK

THE ADJUSTMENTS ARE LOCATED ON THE TAPE CIRCUIT BOARD AND EACH CHANNEL MUST BE PERFORM THE OUTPUT LEVEL ADJUSTMENT AS FOLLOWS.

1. SET TO PLAY AND DOLBY SWITCH TO "OFF" POSITION.
2. CONNECT A VTVM AND AN OSCILLOSCOPE TO TAPE OUTPUT JACK.
3. PLAY DOLBY LEVEL SET TAPE (MTT-150).
4. ADJUST THE LEVEL TO $500\text{mV} \pm 0.25\text{dB}$, USING SVR 502 (R-CH552) BUT WHEN ADJUSTMENTS.
5. REPEAT ABOVE PROCEDURE FOR THE OTHER CHANNEL.

B. DECK

THE ADJUSTMENTS ARE LOCATED ON THE TAPE CIRCUIT BOARD AND EACH CHANNEL MUST BE PERFORM THE OUTPUT LEVEL ADJUSTMENT AS FOLLOWS.

1. SET TO PLAY AND DOLBY SWITCH TO "OFF" POSITION.
2. CONNECT A VTVM AND AN OSCILLOSCOPE TO TAPE OUTPUT JACK.
3. PLAY DOLBY LEVEL SET TAPE (MTT-150).
4. ADJUST THE LEVEL TO $500\text{mV} \pm 0.25\text{dB}$, USING SVR 501 (R-CH SVR551).
5. REPEAT ABOVE PROCEDURE FOR THE OTHER CHANNEL.

REC-PLAY

(1) RECORDING SIGNAL CURRENT ADJUSTMENT

1. SET TO RECORD, Nor/CrO₂/METAL SWITCH TO "OFF", AND DOLBY SWITCH TO "OFF" POSITION.
2. DISCONNECT THE +B LINE FROM OSCILLATOR SO THAT IT CAN NOT OSCILLATE WHILE RECORDING (IT CAN BE DONE EASILY BY TAKING LEAD FASTEN OF +B LINE OFF)
3. CONNECT THE VTVM AND THE OSCILLOSCOPE BETWEEN TP1 (R-CH TP2) AND GROUND.
4. SUPPLY DOLBY-LEVEL INPUT SIGNAL OF 400Hz 60mV. (VOL. MAX.)
5. ADJUST SVR 602 (R-CH 652) UNTIL VTVM INDICATES 5.8mV OF READING.
6. REPEAT ABOVE PROCEDURE FOR THE OTHER CHANNEL.

(2) PEAKING COIL ADJUSTMENT NOR SPEED (HIGH SPEED)

1. SET TO RECORD AND DOLBY SWITCH TO "OFF" POSITION.
2. DISCONNECT THE +B LINE FROM OSCILLATION SO THAT IT CAN NOT OSCILLATE WHILE RECORDING (IT CAN BE DONE EASILY BY TAKING LEAD FASTEN OF +B LINE).
3. CONNECT THE VTVM AND THE OSCILLOSCOPE BETWEEN TP1 AND GROUND.
4. SUPPLY 60mV SIGNAL OF 1KHz THROUGH INPUT AND ADJUST RECORD LEVEL CONTROL FOR VU METER INDICATE -25dB.
5. CHANGE SIGNAL FROM 1KHz TO 14.5KHz (24KHz).
6. ADJUST L605 (L603) FOR VTVM INDICATE MAXIMUM LEVEL AT 14.5KHz, (24KHz).
7. REPEAT ABOVE PROCEDURE FOR OTHER CHANEL (L606/L604).
8. HIGH SPEED PEAKING ADJUSTMENT AND HIGH SPEED SWITCH TO "ON" POSITION.

(3) BIAS TRAP COIL ADJUSTMENT

1. SET TO RECORD, DOLBY SWITCH TO "OFF" POSITION AND Nor/CrO₂/METAL FOR "NORMAL" POSITION.
2. CONNECT THE VTVM AND OSCILLOSCOPE BETWEEN TP 3(R-CH TP4) AND GROUND.
3. ADJUST L602 (R-CH L652) FOR VTVM INDICATE MINIMUM LEVEL.
4. REPEAT ABOVE PROCEDURE FOR OTHER CHANEL.

(4) BIAS FREQUENCY ADJUSTMENT

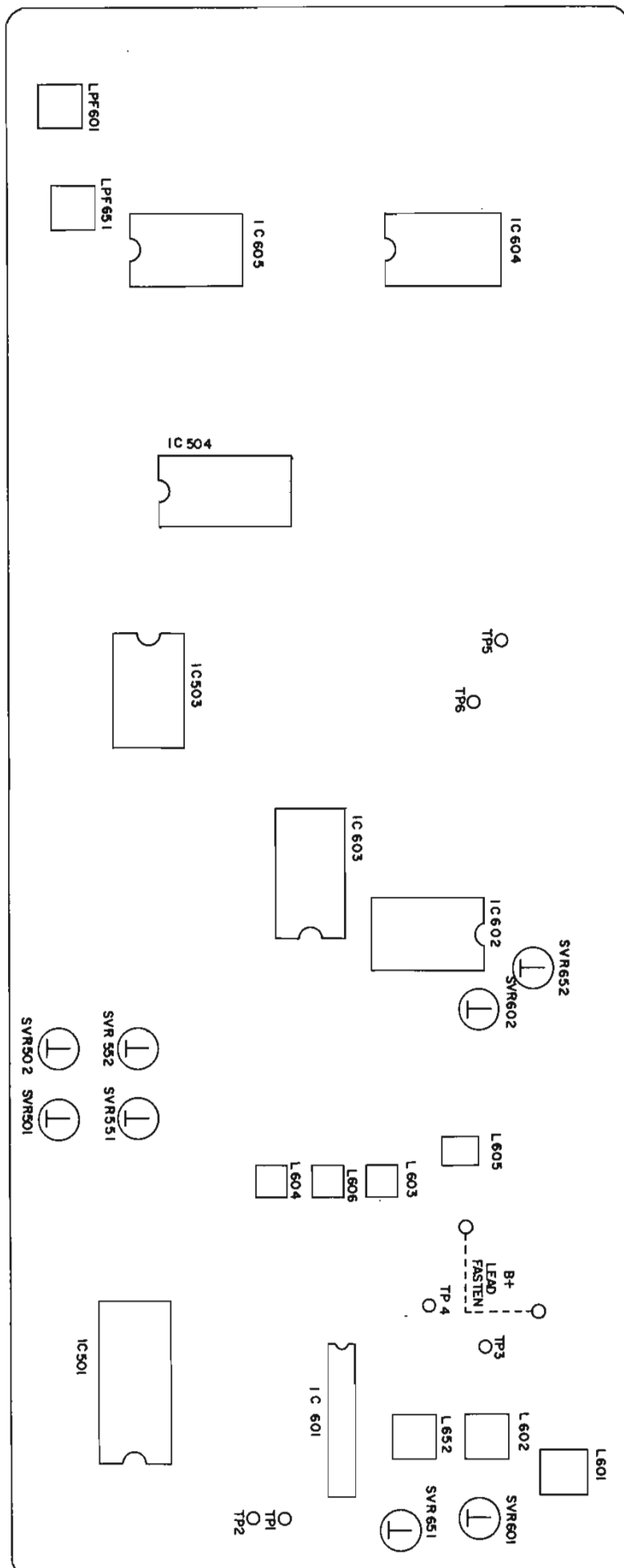
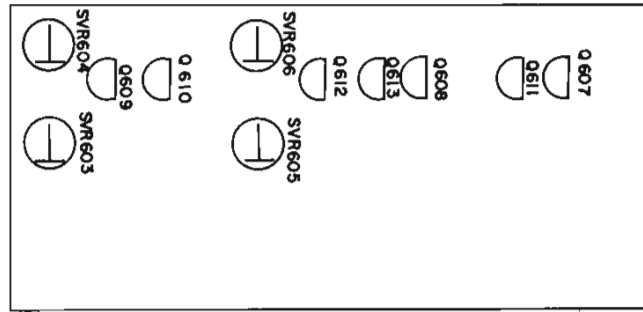
1. SET TO RECORD AND Nor/CrO₂/METAL TO "NORMAL" POSITION.
2. INPUT SIGNAL IS NOT NECESSARY FOR THIS ADJUSTMENT.
3. CONNECT THE FREQUENCY COUNTER TO TP1 (R-CH TP2) AND GROUND.
4. ADJUST L601 FOR A READING OF 105KHz ON THE COUNTER.

(5) BIAS CURRENT ADJUSTMENT

1. SET TO RECORD AND DOLBY SWITCH TO "OFF" POSITION.
2. CONNECT THE VTVM AND OSCILLOSCOPE BETWEEN TP1 (R-CH TP2) AND GROUND.
3. SET Nor/CrO₂/METAL FOR "METAL" POSITION.
4. ADJUST SVR 601 (R-CH SVR651) UNTIL VTVM INDICATES 92mV OF READING.
5. REPEAT ABOVE PROCEDURE FOR THE OTHER CHANNEL.

* WHEN SELECTOR SWITCH OF TAPE CHANGED CrO₂ AND NORMAL, CHECKED VOLTAGE VARIATION CrO₂ ABOUT 62mV, NORMAL IS ABOUT 46mV.

3. ALIGNMENT POINT LOCATION

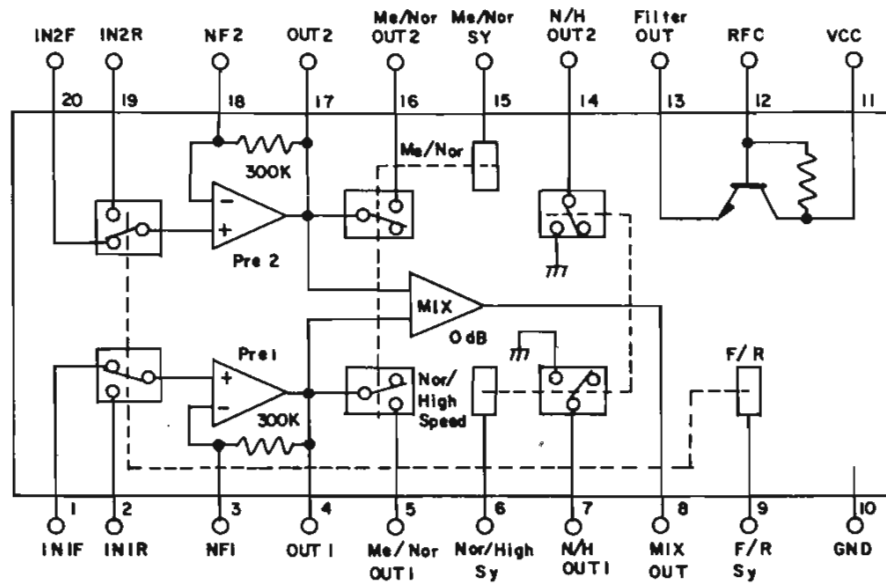


- SVR 502 : DECK - A L-CH OUTPUT LEVEL (LINE OUTPUT JACK - L)
- SVR 552 : DECK - A R-CH OUTPUT LEVEL (LINE OUTPUT JACK - R)
- SVR 501 : DECK - B L-CH OUTPUT LEVEL (LINE OUTPUT JACK - L)
- SVR 551 : DECK - B R-CH OUTPUT LEVEL (LINE OUTPUT JACK - R)
- SVR 602 : SIGNAL CURRENT (L-CH) - TP1
- SVR 652 : SIGNAL CURRENT (R-CH) - TP2
- SVR 601 : BIAS CURRENT (L-CH) - TP1
- SVR 651 : BIAS CURRENT (R-CH) - TP2
- SVR 604 : DECK - A NORMAL SPEED (TP1)
- SVR 603 : DECK - A HIGH SPEED (TP2)
- SVR 606 : DECK - B NORMAL SPEED (TP1)
- SVR 605 : DECK - B HIGH SPEED (TP2)

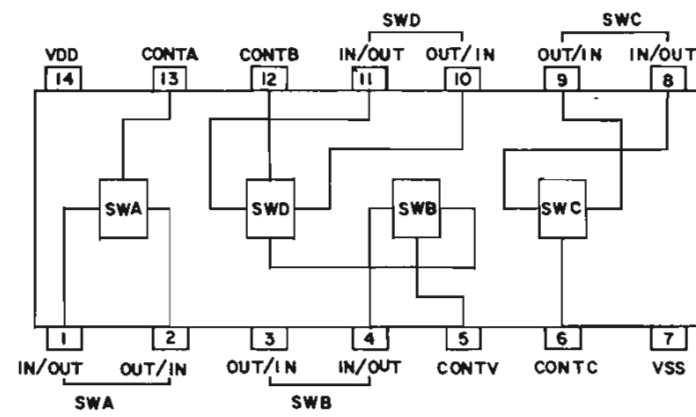
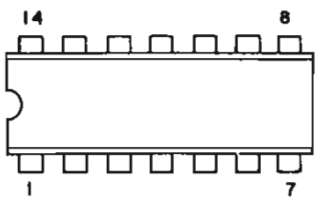
- L601 : BIAS OSC COIL (TP1 & TP2)
- L602 : L-CH TRAP COIL (TP3)
- L652 : R-CH TRAP COIL (TP4)
- L605 : NORMAL L-CH PEACKING COIL (TP3)
- L603 : HIGH L-CH PEACKING COIL (TP3)
- L606 : NORMAL R-CH PEACKING COIL (TP4)
- L604 : HIGH R-CH PEACKING COIL (TP4)
- L601 : L-CH LOW PASS FILTER (19 KHZ/105KHZ) - TP5
- L602 : R-CH LOW PASS FILTER (19KHZ/105 KHZ) - TP6

4. IC LEAD LAYOUT

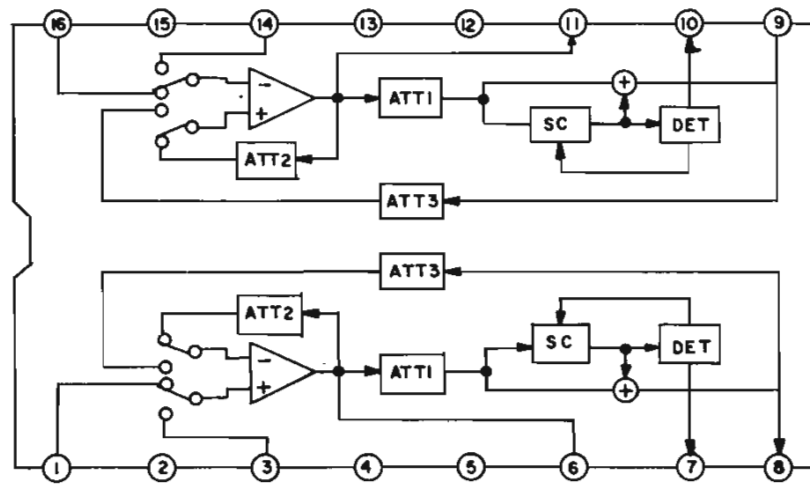
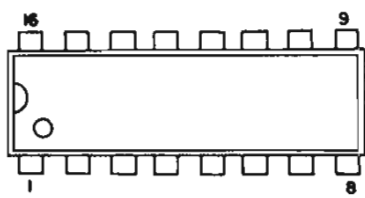
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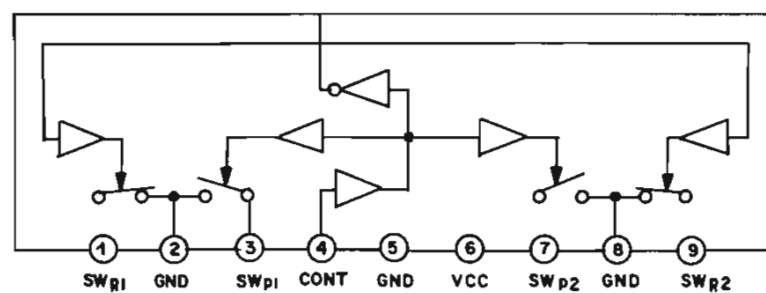
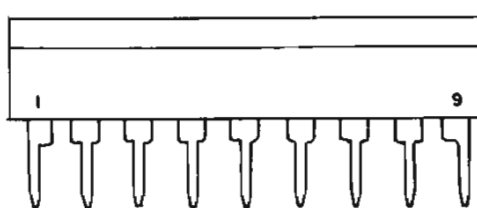
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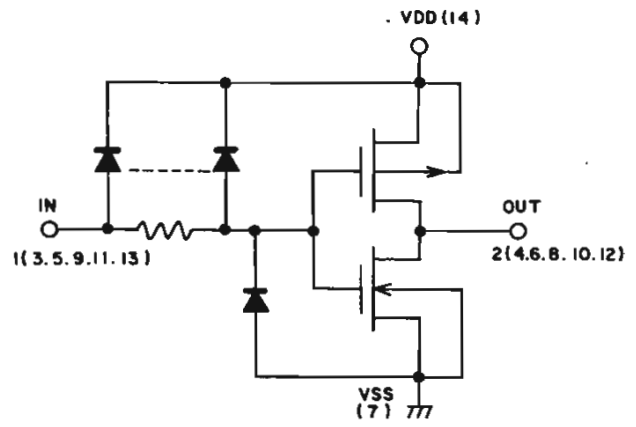
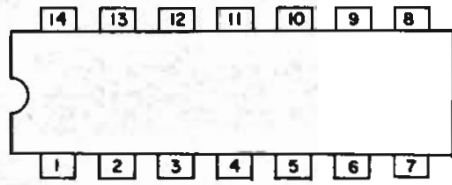
CXA1101



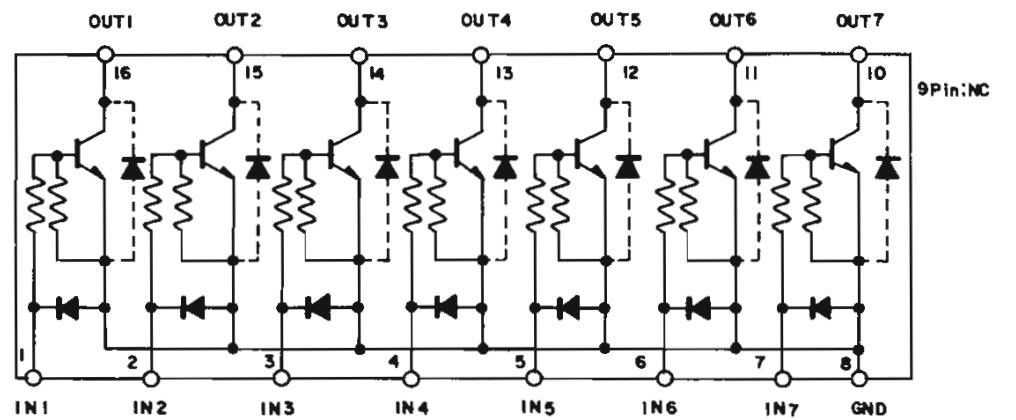
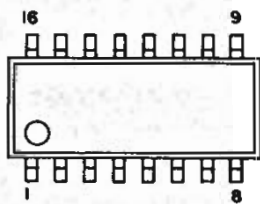
UPC1330



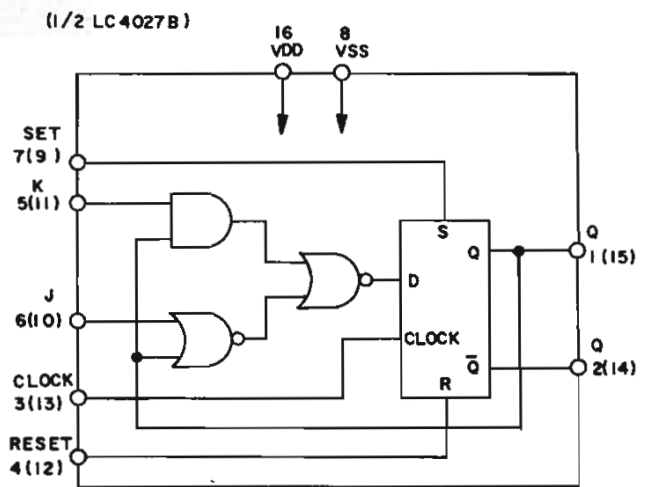
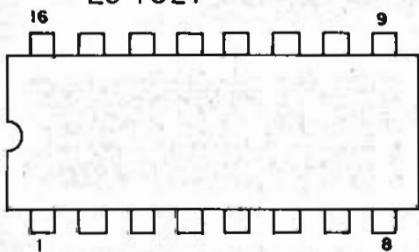
LC 4069 UB



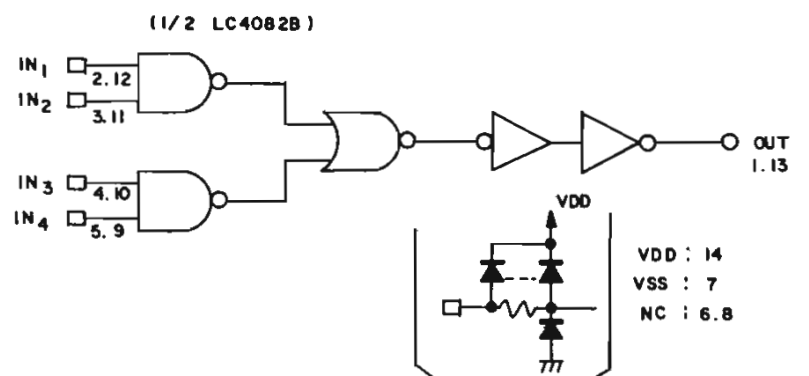
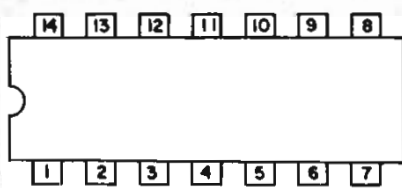
LBI213



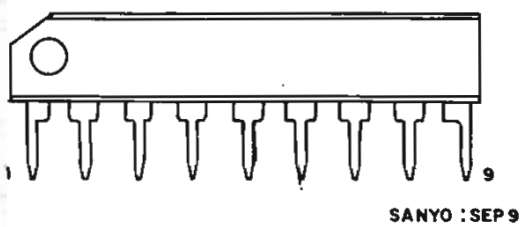
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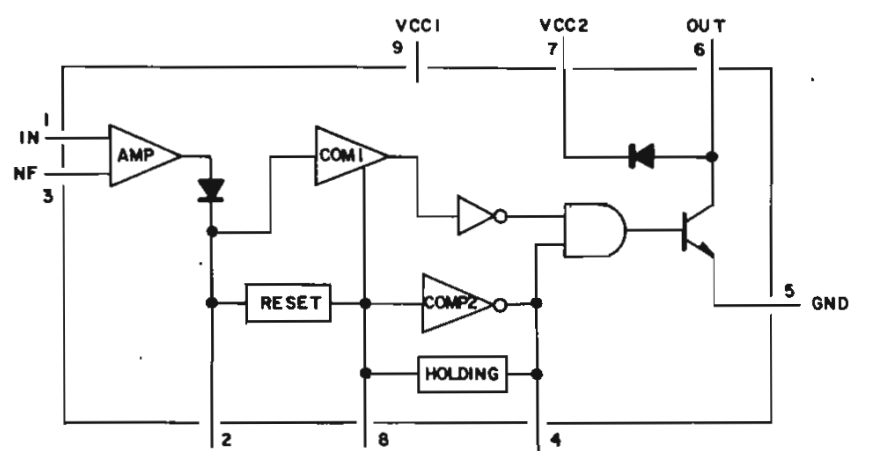
LC 4082



LA2010



SANYO : SEP 9



5. IC VOLTAGE TABLE

IC 503 LC 4966

1	2	3	4	5	6	7	8	9	10	11	12	13	14					
0	0	0	0	0	0	0	0	0	0	0	11.4	11.4	11.53					

IC 502 CXA 1101

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
5.64	11.12	5.66	5.67	11.51	5.91	0.48	5.77	5.74	0.40	5.8	0.01	5.67	5.66	0	5.65			

IC 505 KA 2284

1	2	3	4	5	6	7	8	9										
10.1	10.12	10.12	10.14	0	10.11	0	0	11.49										

IC 555 KA 2284

1	2	3	4	5	6	7	8	9										
10.09	10.11	10.11	10.07	0	10.09	0	0	11.5										

IC 504 LC 4069BU

1	2	3	4	5	6	7	8	9	10	11	12	13	14					
0	5.2	0	5.2	0	5.2	0	4.4	0.5	0	5.2	5.2	0	5.2					

IC 506 LC 4082B

1	2	3	4	5	6	7	8	9	10	11	12	13	14					
0	0	0	5.2	5.2	0	0	0	5.2	5.2	5.2	5.2	0	5.2					

IC 507 LC 4027

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
0	11.7	11.6	11.7	11.7	11.7	0	0	0	11.7	11.7	11.6	11.7	11.7	0	11.7			

IC 508 LA 2010

1	2	3	4	5	6	7	8	9										
0	0	0	0	0	0	0	0	0										

IC 601 UPC 1330HC

1	2	3	4	5	6	7	8	9	10	11	12	13						
0	0	0	0.04	0	10.62	0	0	0										

IC 501 LA 3246

1	2	3	4	5	6	7	8	9	10									
0	0	0.58	4.27	4.27	0	0	4.21	5.96	0									
11	12	13	14	15	16	17	18	19	20									
10.32	10.30	9.55	0	6.12	4.14	4.14	0.58	0	0									

IC 602 LB 1213

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
0	0.19	2.84	0	0	0.19	2.84	0	0	0	0	0	0	0	0	2.84			

IC 603 LB 1213

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
1.9	1.9	0	0.2	0	0.2	1.9	0	0	0	0	0	0	0	0	0			

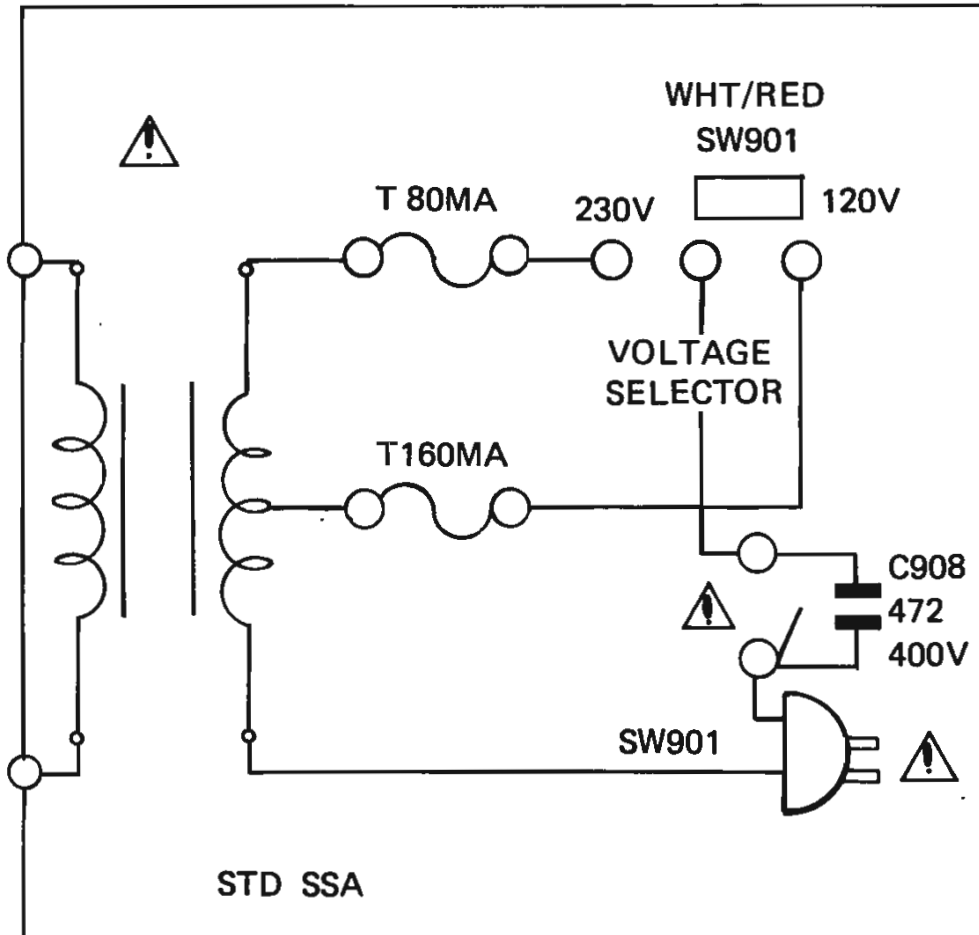
IC 605 LC 4966

1	2	3	4	5	6	7	8	9	10	11	12	13	14					
11.52	7.6	7.6	7.63	11.43	0	0	5.18	5.17	5.13	5.06	0	0	11.56					

TR	Q901
E	11.7
B	12.4
C	17.3

TR	Q902
E	11.7
B	12.4
C	17.3

6. POWER SUPPLY SECTION

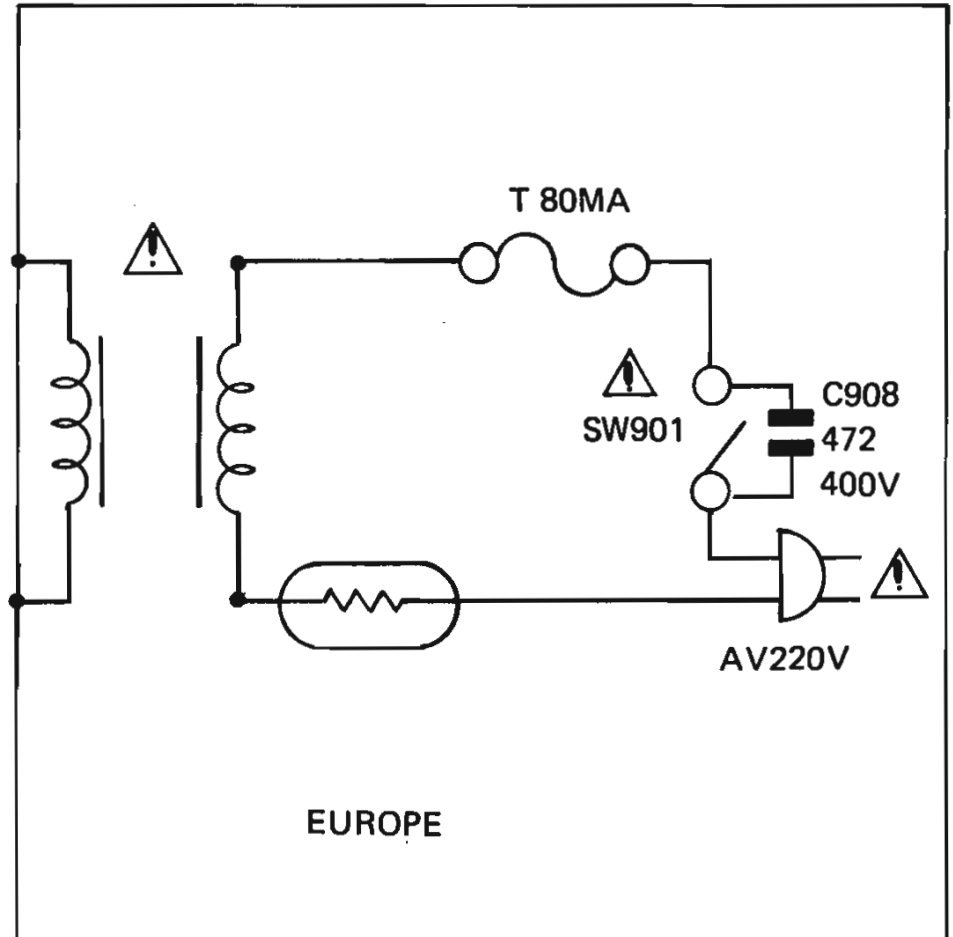
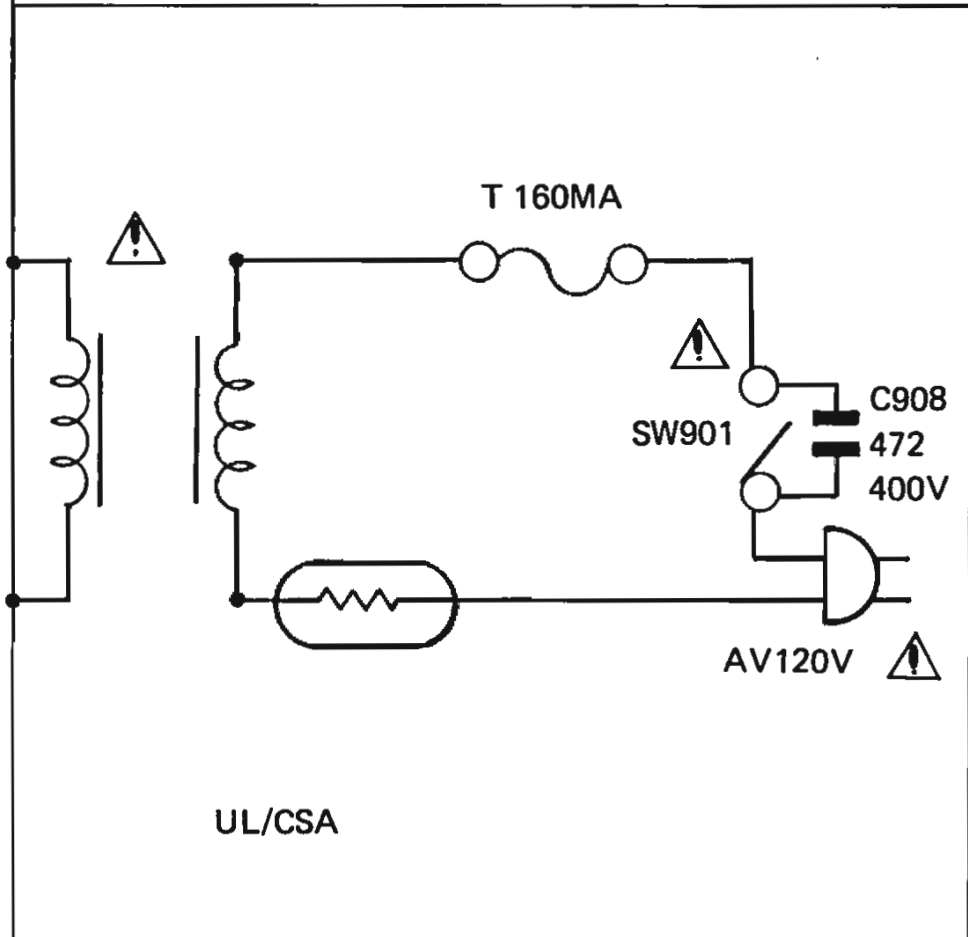


SYMBOL OF FUNCTION

- (m) POWER SUPPLY
- (P) FIXED PARTS
- △ Ceramic Capacitor

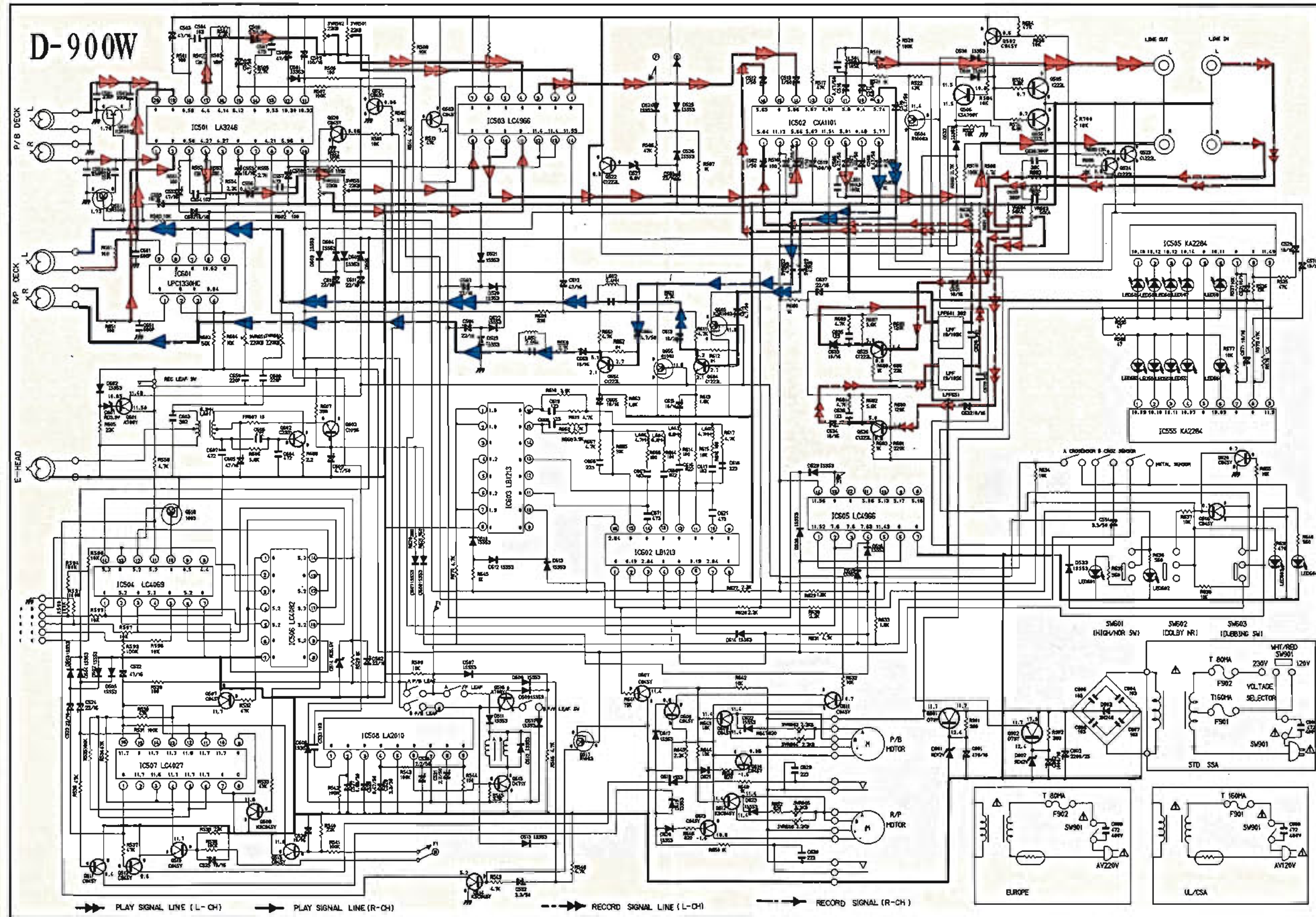
CAPACITORS

Are in uF unless otherwise Noted p: PF
 △ is safety part use only
 replacement parts
 recommended by the
 manufacturer

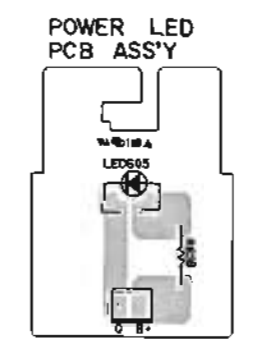
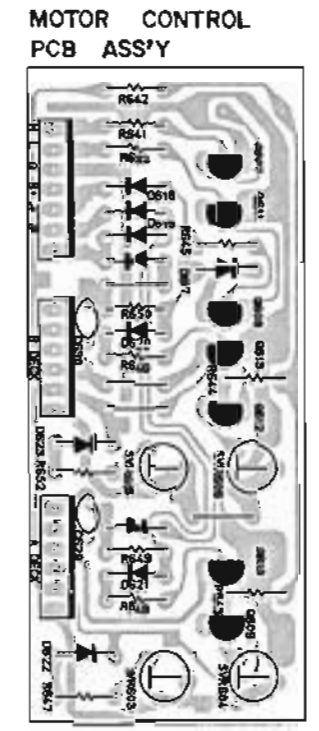
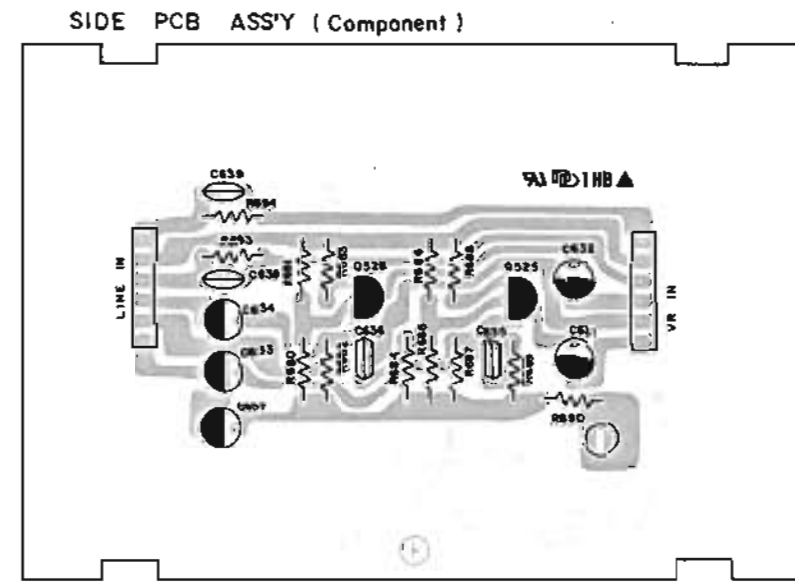
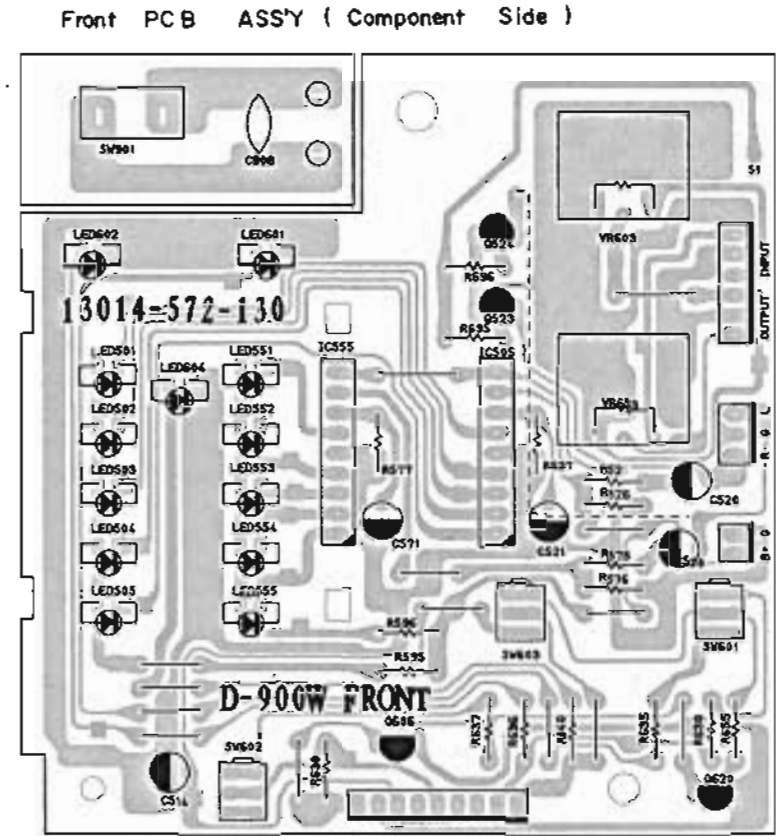
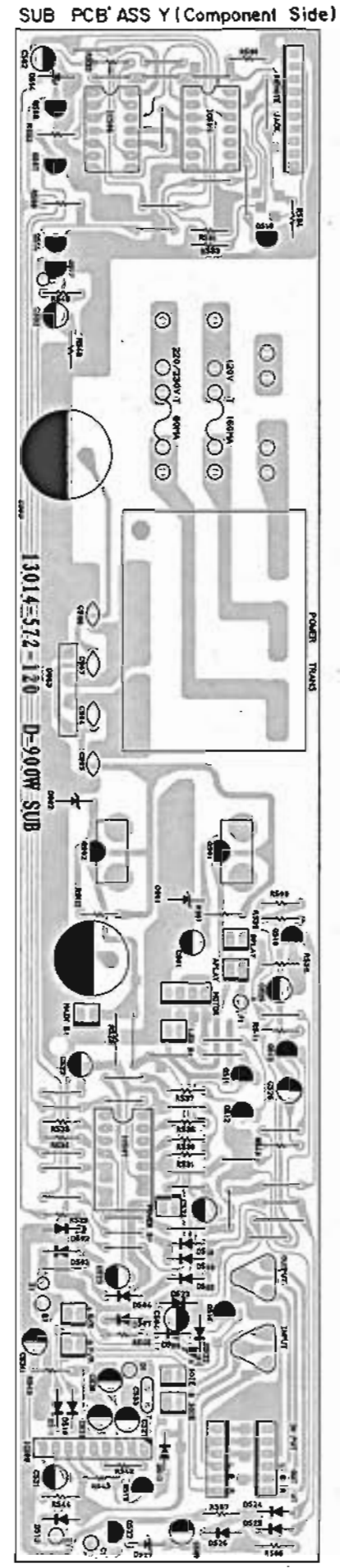
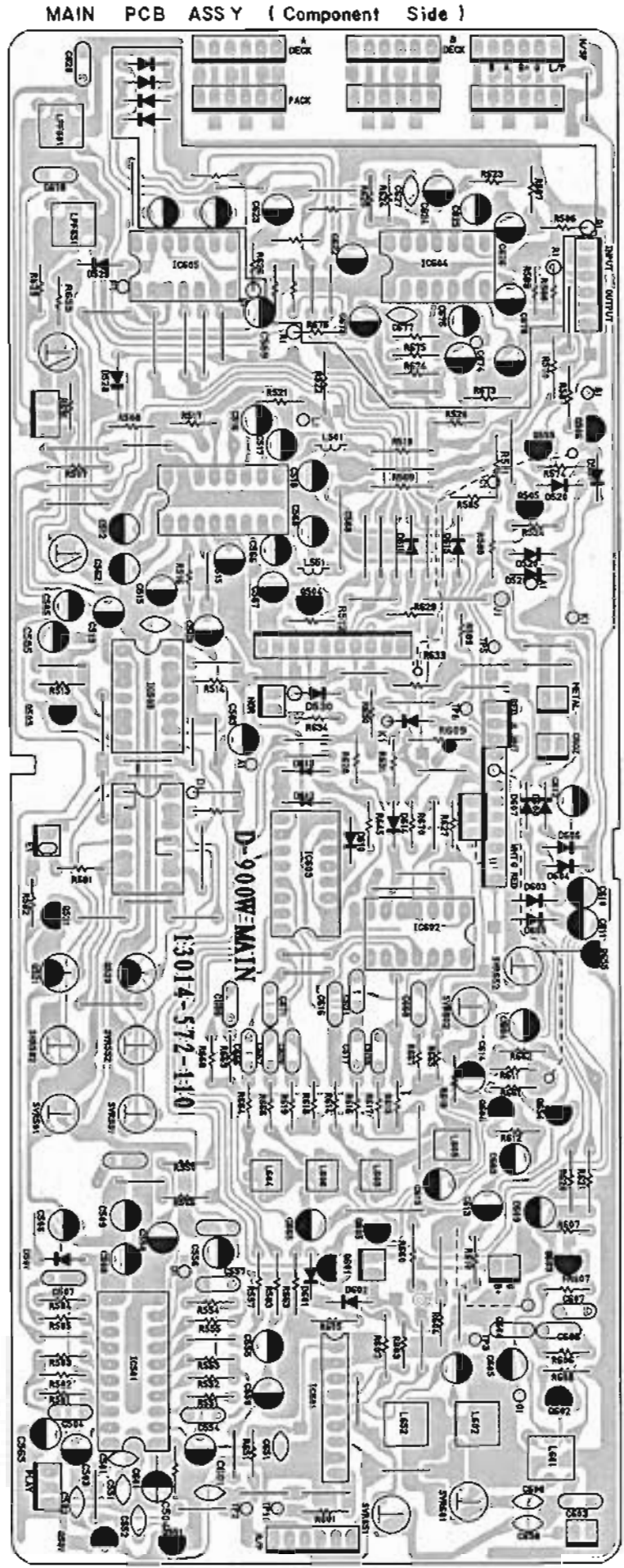


7. SCHEMATIC DIAGRAM

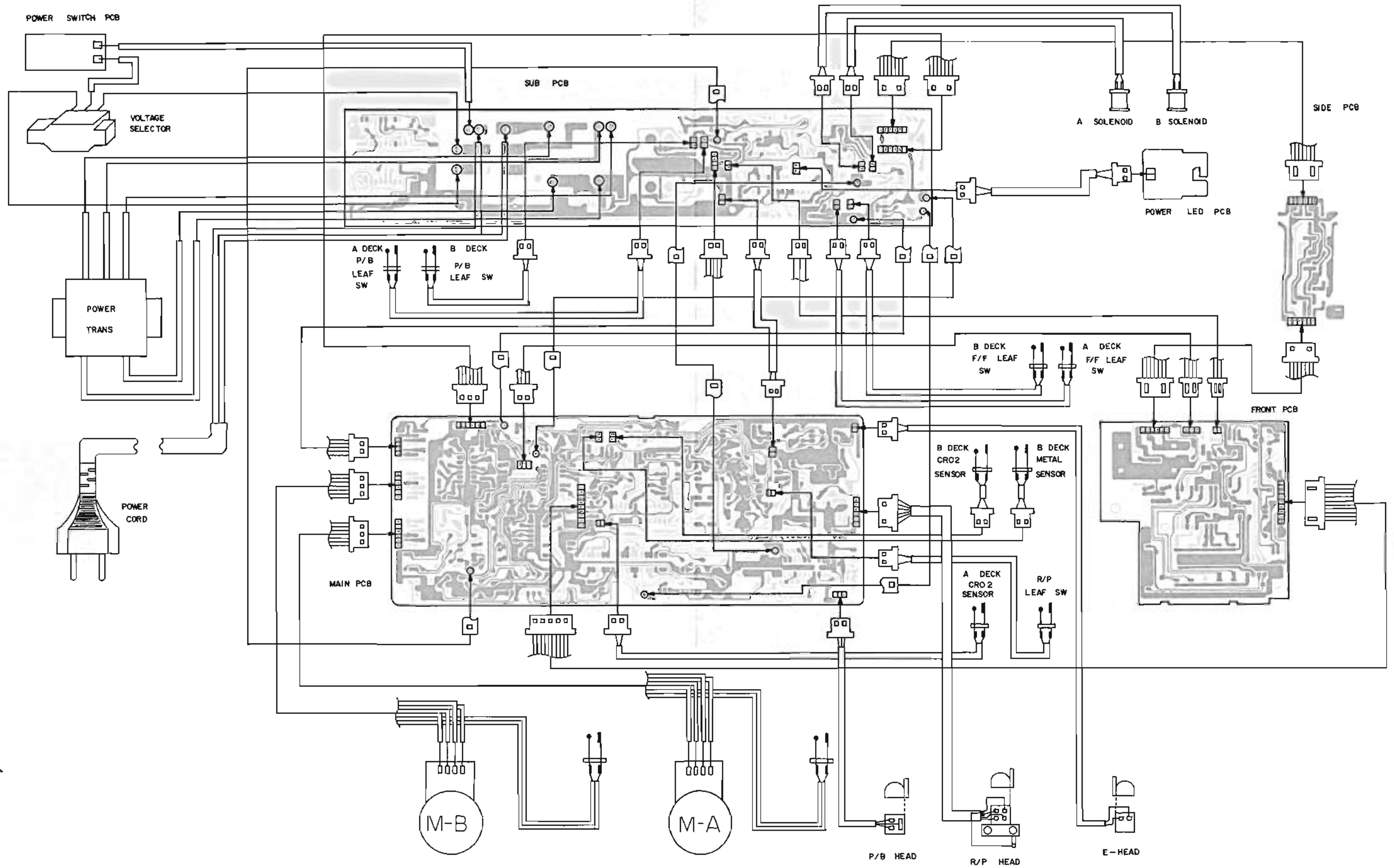
SANSUI ELECTRIC CO., LTD



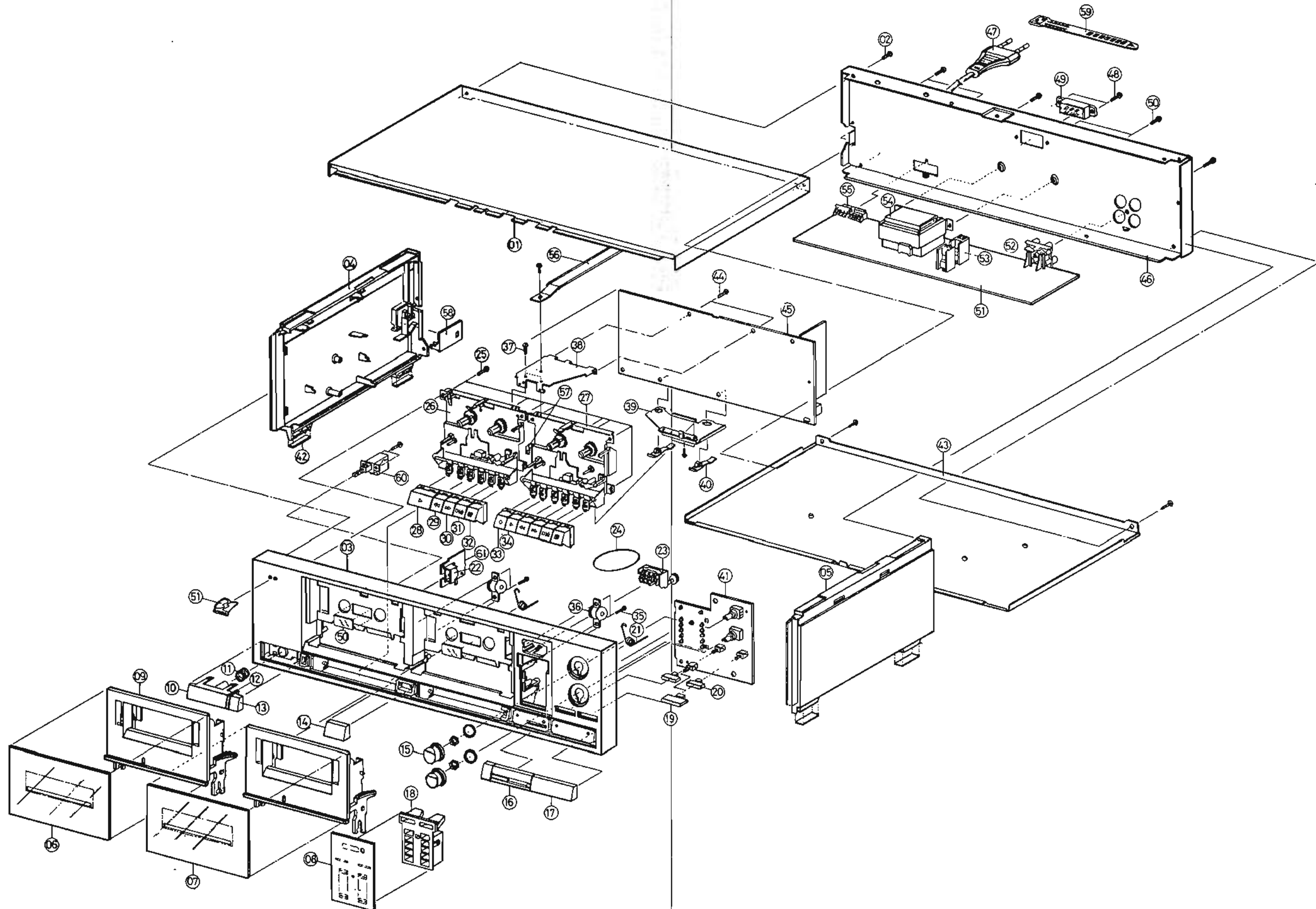
8. PARTS LOCATION OF CIRCUIT BOARD



9. WIRING DIAGRAM

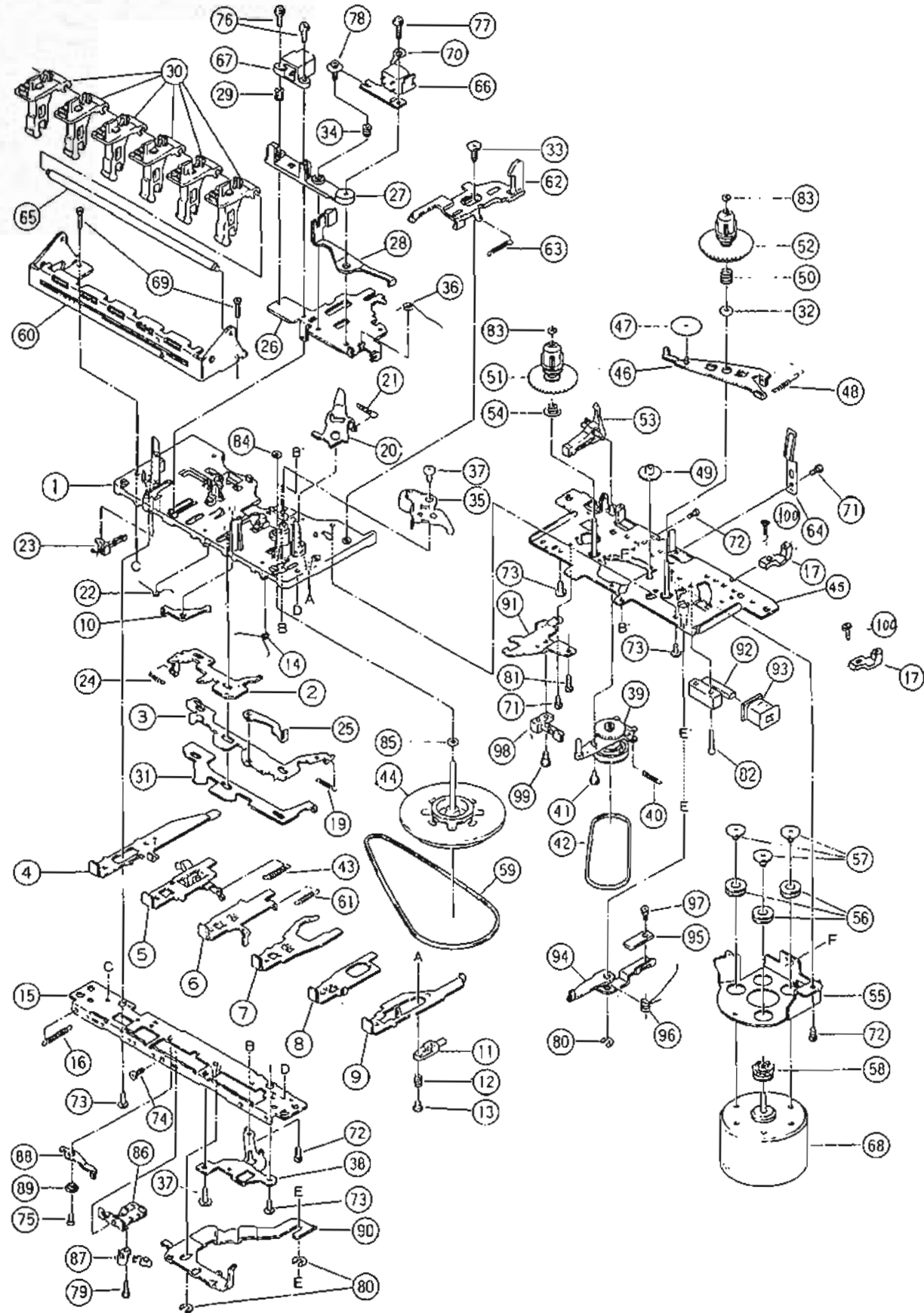


0. SET MECHANICAL EXPLODED VIEW

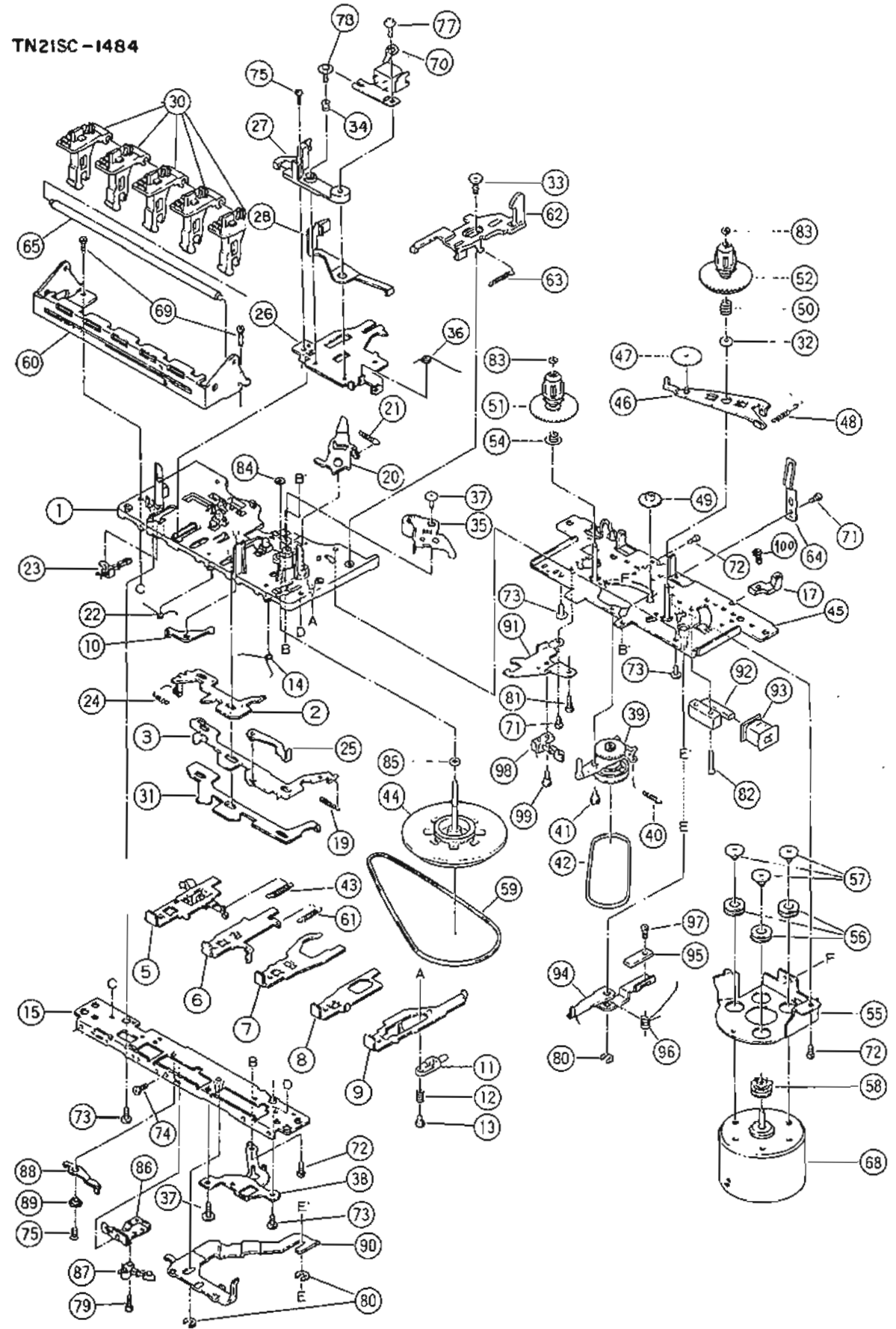


11. DECK MECHANICAL EXPLODED VIEW

TN215C-1483



TN215C-1484



12. PARTS DESCRIPTION

ELECTRICAL PARTS

PARTS NO.	DESCRIPTION	SPECIFICATION	STOCK NO.	Q'TY	REMARK
IC501	IC-TAPE EQ	LA 3246	58634800	1	
IC502	IC-DOLBY	CXA 1101	58634400	1	
IC503, 605	IC-SWITCHING	LC 4966	48056800	2	
IC505, 555	IC-LED DRIVE	KA 2284	58634500	2	
IC601	IC-R/P SW	UPC 1330HC	49323500	1	
IC602, 603	IC-TR ARREY	LB 1213	58635000	2	
IC504	IC-NOT GATE	LC 4069 BU	58634600	1	
IC506	IC-AND GATE	LC 4082B	58634900	1	
IC507	IC-FLIP FLOP	LC 4027B	58570900	1	
IC508	IC-AMPS	LA 2010	58634700	1	
Q501, 551	TRANSISTOR	KSR-1003	58635900	2	
Q520, 521	TRANSISTOR	KSC-945Y	03059501	2	
Q503	TRANSISTOR	KSC-945Y	03059501	1	
Q522	TRANSISTOR	KSC-1222L	03060101	1	
Q504	TRANSISTOR	KSR-1003	58635900	1	
Q506	TRANSISTOR	KSA-708Y	58571400	1	
Q505, 555	TRANSISTOR	KSC-1222L	03060101	2	
Q502	TRANSISTOR	KSC-945Y	03059501	1	
Q523, 524	TRANSISTOR	KSC-1222L	03060101	2	
Q601	TRANSISTOR	KSA-708Y	58571400	1	
Q602	TRANSISTOR	KSC-2331	58635100	1	
Q603	TRANSISTOR	KSC-1096Y	03059601	1	
Q605, 655	TRANSISTOR	KSR-1003	58635900	2	
Q604, 654	TRANSISTOR	KSC-1222L	03060101	2	
Q525, 526	TRANSISTOR	KSC-1222L	03060101	2	
Q620	TRANSISTOR	KSC-945Y	03059501	1	
Q606	TRANSISTOR	KSC-945Y	03059501	1	
Q518	TRANSISTOR	KSR-1003	58635900	1	
Q507	TRANSISTOR	KSC-945Y	03059501	1	
Q511	TRANSISTOR	KSC-945Y	03059501	1	
Q512	TRANSISTOR	KSC-945Y	03059501	1	
Q510	TRANSISTOR	KSC-945Y	03059501	1	
Q508	TRANSISTOR	KSC-945Y	03059501	1	
Q513	TRANSISTOR	KSC-945Y	03059501	1	
Q514	TRANSISTOR	KSC-945Y	03059501	1	
Q515	TRANSISTOR	KSD-471Y	03085901	1	

PART NO.	DESCRIPTION	SPECIFICATION	STOCK NO.	Q'TY	REMARK
Q516	TRANSISTOR	KSA-708Y	58571400	1	
Q517	TRANSISTOR	KSR-1003	58635900	1	
Q607	TRANSISTOR	KSC-945Y	03059501	1	
Q609	TRANSISTOR	KSC-945Y	03059501	1	
Q610	TRANSISTOR	KSC-945Y	03059501	1	
Q612	TRANSISTOR	KSC-945Y	03059501	1	
Q613	TRANSISTOR	KSC-945Y	03059501	1	
Q611	TRANSISTOR	KSC-945Y	03059501	1	
Q901	TRANSISTOR	KSD-73Y	58571700	1	
Q902	TRANSISTOR	KSD-73Y	58571700	1	
Q608	TRANSISTOR	KSC-945Y	03059501	1	
D901, 902	DIODE-ZENER	1W11.4-12.6V	58572200	2	
D527	DIODE-ZENER	RD 6.8FB	03169100	1	
D514	DIODE-ZENER	RD 5.6FB	03168700	1	
LED501-505	LED LAMP	SLV-31 DC3	48259400	5	
LED 551-555	LED LAMP	SLV-31 DC3	48259400	5	
LED 604, 602	LED-LAMP	SLV-31 VC3	58635200	1	
LED 603	LED-LAMP	SEL-3913K	48849300	2	
LED 601	LED-LAMP	SLV-31 DC3	48259400	1	
	DIODE-SW	1SS53/1N4148	58572000	47	
D903	DIODE-BRIDGE	3N246 1A 50V	58571900	1	
SW601, 602 603	SW-PUSH	SPH 221A	58573900	3	
VR603, 604	VR-SINGLE	RK12K1140-50KA	58634300	2	
SVR501, 502	SEMI-VR	SR19R B22K	58570200	2	
SVR551, 552	SEMI-VR	SR19R B22K	58570200	2	
SVR601, 651	SEMI-VR	SR19R B220K	58570400	2	
SVR603, 604	SEMI-VR	SR19R B2.2K	58570500	2	
SVR605, 606	SEMI-VR	SR19R B2.2K	58570500	2	
SVR602, 652	SEMI-VR	SR19R B47K	58675200	2	
L653, 654	COIL-CAN	AE 4.7MH 252K	58635300	2	
L603, 604	COIL-CAN	AE 6.8MH 252K	58635400	2	
L602, 652	COIL-CAN	AM 2.2M HF	58635600	2	
L601	BIAS OSC COIL	6.2MH 105K	58635500	1	
△SW901	SW-POWER	SDLC 1P (250V 4A)	58574100	1	
	JACK-AUX	4P	58573700	1	
LPF601, 651	FILTER-LOWPASS	10MM 19/105K	58635800	2	

SET MECHANICAL PARTS

PART NO.	DESCRIPTION	SPECIFICATION	STOCK NO.	Q'TY	REMARK
1	CABINET-TOP	0.9T VINYL STEEL	58636100	1	
2	SCREW-TAP, RH	2S-3x10FE FZB	00441000	5	
3	PANEL-FRONT	HIPS BLK	58636000	1	
4	CABINET-SIDE L	HIPS BLK	58636200	1	
5	CABINET-SIDE R	HIPS BLK	58636300	1	
6	WINDOW-DOOR A	ACRYL 2.0t CLR	58636400	1	
7	WINDOW-DOOR B	ACRYL 2.0t CLR	58636500	1	
8	WINDOW-LEVEL	ACRYL 2.0t SMOKE		1	
9	DOOR-CASSETTE	ABS 94HB BLK	58636600	2	
10	KNOB-POWER	ABS 94HB BLK	58636700	1	
11	SPRING-POWER	STS 27	58636800	1	
12	LENS-POWER	ACRYL MILKY		1	
13	DECO-FRONT 12	ABS 94HB BLK		2	
14	DECO-FRONT 22	ABS 94HB BLK		1	
15	KNOB-ROTARY	ABS 94HB BLK	58636900	2	
16	DECO-FRONT DOLBY	ABS 94HB BLK		1	
17	DECO-FRONT 52	ABS 94HB BLK		1	
18	HOLDER-LEVEL	ABS WHT		1	
19	KNOB-DOLBY	ABS 94HB BLK	58637000	1	
20	KNOB-SELECTOR	ABS 94HB BLK	58637100	2	
21	SPRING-EJECT	PWR	58637200	2	
22	HOLDER-P/LED	ABS WHT	58637300	1	
23	TAPE-COUNTER	EMR 320-006-HB	58637400	1	
24	BELT-COUNTER	CR-WRT PI55	58637500	1	
25	SCREW-TAP TITE, BH	B-3x8 FE FZY	14335700	8	
26	DECK-MECHANISM-A	TN 21SC-1484	58637600	1	
27	DECK-MECHANISM-B	TN 21SC-1483	58637700	1	
28	KNOB-CHASS (PLAY L)	ABS 94HB BLK	58637800	1	
29	KNOB-CASS (REW)	ABS 94HB BLK	58637900	2	
30	KNOB-CASS (F, FWD)	ABS 94HB BLK	58638000	2	
31	KNOB-CASS (ST/EJ)	ABS 94HB BLK	58638100	2	
32	KNOB-CASS (PAUSE)	ABS 94HB BLK	58638200	2	
33	KNOB-CASS (REC)	ABS 94HB BLK	58638300	1	
34	KNOB-CASS (PLAY S)	ABS 94HB BLK	58638400	1	
35	SCREW-TAP TITE, PH	P-3x10 FE FZY	14335700	4	
36	DAMPER-GEAR ASS'Y	PD-50 G332	58638500	2	
37	SCREW-TAP, BH SPEC	2S-2x6 FE FZB	00440300	4	

PARTS NO.	DESCRIPTION	SPECIFICATION	STOCK NO	Q'TY	REMARK
38	BRKT-DECK A	EGI 0.8T		1	
39	BRKT-DECK B	EGI 0.8T		1	
40	HOLDER-PWB	NYLON 66		2	
41	FRONT-PCB ASS'Y	101x96x1.6T HB	58638600	1	
42	CUSHION-FOOT	RUBBER BLK 2T	58638700	4	
43	CHASSIS-BOTTOM	EGI 0.8T		1	
44	SCREW-TAP, RH SPEC	2S-3x8 FE FZY	00440900	2	
45	MAIN-PCB ASS'Y	247x97x1.6T IHB-O	58638800	1	
46	CHASSIS-REAR	EGI 0.8T BLK		1	
△ 47	POWER-CORD	KKP-419C KLCZ-2F	58582500	1	(EU)
△		KKP-10 SPT-1# 18	58573300	1	(STD)
△		KP-8H LTCE-2F 6.5F	58573400	1	(SSA)
△		KKP-8 SPT-2# 28 7F	58582100	1	(UL, CSA)
48	SCREW-TAP, RH	2S-3x10 FE FZB	00441000	2	
49	SW-SLIDE	250V 3A 4KV	58638900	1	
50	SCREW-TAP, RH	2S-3x10 FE FZB	00441000	2	
△ 51	SUB-PCB ASS'Y	247x61x1.6T 1V-O	58639000		
52	JACK-AUX	4P	58639100	1	
53	HEAT-SINK	EXTRAL WHT		1	
△ 54	POWER-TRANS	EI 48x18.5M/M 220V	58639200	1	(EU)
△		EI 48x18.5M/M 120V/230V	58639300	1	(STD, SSA)
△		EI 48x18.5M/M 120V	58639400	1	(UL, CSA)
55	REMOTE-JACK	W-P5510-11 10PIN	48313900	1	
56	BRKT-CROSS	EGI 0.8T		1	
57	BRKT-LEAF S/W	EGI 0.8T		1	
58	COVER-CORD	ABS 94HB BLK	58664700	1	
59	BAND-CORD WIRE	ASB 94HB BLK		1	
△ 60	SWITCH-POWER	SDLCIP	58574100	1	
61	POWER LED PCB ASS'Y	34x25.5x1.6T 1HB	58635700	1	

DECK MECHANICAL PARTS (TN21SC-1483)

*SNA (SERVICE NOT AVAILABLE)

NO.	DESCRIPTION	SPECIFICATION	STOCK NO.	Q'TY	REMARK
1	MAIN BASE ASS'Y	1821-01-60D		1	SNA
2	SWITCH PLATE	1821-01-05		1	SNA
3	PUSH BUTTON ACTUATOR (S)	1821-01-162		1	SNA
4	REC BUTTON LEVER	1821-01-28A		1	SNA
5	PLAY BUTTON LEVER ASS'Y	1821-01-520		1	SNA
6	RWD BUTTON LEVER	1821-01-137		1	SNA

NO.	DESCRIPTION	SPECIFICATION	STOCK NO.	Q'TY	REMARK
7	FF BUTTON LEVER	1821-01-117		1	SNA
8	STOP BUTTON LEVER	1821-01-32		1	SNA
9	PAUSE BUTTON LEVER ASS'Y	1821-01-503		1	SNA
10	REW LEVER	1821-01-68		1	SNA
11	PAUSE LEVER	1821-01-131	58674600	1	
12	PAUSE LEVER SPRING	1821-01-16		1	SNA
13	PAUSE STOPPER	1821-01-34	58674700	1	
14	BUTTON LEVER SPRING (C)	1821-01-23		1	SNA
15	SUB PLATE ASS'Y	1821-39-501		1	SNA
16	BUTTON LEVER SPRING (A)	1821-01-07		1	SNA
17	LEAF SW MSW-1664	6401-01-125	58672100	2	
18					
19	ACTUATOR SPRING	1821-01-22		1	SNA
20	AUTO LEVER	1821-01-62	58674800	1	
21	AUTO LEVER SPRING	1821-01-132		1	SNA
22	FF BUTTON LEVER SPRING	1821-01-138		1	SNA
23	LEAF SWITCH	MSW-1541T	58672200	1	
24	SWITCH ACTUATOR SPRING	1821-01-38		1	SNA
25	E KICK LEVER	1821-01-65		1	SNA
26	HEAD PANEL	1821-03-13		1	SNA
27	HEAD BASE	1829-03-02	58674900	1	
28	SENSING PLATE ASS'Y	1821-03-301	58675000	1	
29	E.H. SPRING	1821-03-08		1	SNA
30	OPERATION LEVER	1821-31-07		6	
31	T.P.S ACTUATOR	1821-01-144		1	SNA
32	T.G. PLATE COLLER	1821-10-63		1	SNA
33	P.M.E. SCREW	1821-13-05		1	SNA
34	AZIMUTH SPRING	1821-03-07	58672300	1	SNA
35	PINCH ROLLER ARM ASS'Y	1821-04-303	58672400	1	SNA
36	PINCH ROLLER SPRING	1821-04-06		1	SNA
37	MS SCREW	1821-39-12		2	SNA
38	METAL GUIDE	1821-39-19		1	SNA
39	RF CLUTCH ASS'Y	1821-07-347	58672500	1	
40	RF PULLEY ARM SPRING	1821-07-10		1	SNA
41	RF ARM COLLER SCREW	1821-07-21		1	SNA
42	RF BELT	1821-07-11	58672600	1	
43	RC SPRING	1821-01-192		1	SNA
44	FLY WHEEL ASS'Y	1821-09-301		1	SNA
45	REEL BASE ASS'Y	1821-10-519		1	SNA
46	TAKE UP GEAR PLATE ASS'Y	1821-10-517		1	SNA

NO.	DESCRIPTION	SPECIFICATION	STOCK NO.	Q'TY	REMARK
47	TAKE UP ROLLER GEAR	1821-10-34A	58672700	1	
48	TG PLATE SPREING (C)	1821-10-40		1	SNA
49	FF GEAR	1821-10-35	58672800	1	SNA
50	BACK TENSION SPRING	1821-10-46		1	SNA
51	SUPPLY REEL ASS'Y	1821-10-309	58672900	1	
52	TAKE UP REEL ASS'Y	1821-10-319	58673000	1	
53	RECORD SAFETY LEVER	1821-10-69		1	SNA
54	BACK TENSION SPRING	1829-10-10		1	SNA
55	MOTOR BRACKET	1821-12-67		1	SNA
56	MOTOR RUBBER	1820-13-06	58673100	3	SNA
57	MOTOR COLLER SCREW	1821-12-02	58673200	3	SNA
58	MOTOR PULLEY	1821-12-32	58673300	1	
59	MAIN BELT	1821-12-138	58673400	1	
60	BUTTON FLAME (S)	1821-31-06		1	SNA
61	MAIN PLATE SPRING	1260-10-07		1	SNA
62	EJECT SLIDE LEVER	1821-13-04		1	
63	EJECT SLIDE LEVER SPRING	1821-13-02		1	SNA
64	PACK SPRING	1829-10-01		1	
65	BUTTON LEVER SHAFT	1829-31-03		1	SNA
66	R.P. HEAD	CR0991	58673500	1	
67	E. HEAD	E921PK	58673600	1	
68	MOTOR	R146416	58673700	1	
69	SCREW F(R CAMERA) M2x7	9982-00-00		2	SNA
70	3B LUG	9480-00-00		1	SNA
71	C TAPPING SCREW M2x3	9179-00-00		2	SNA
72	C TAPPING SCREW M2x4	9180-00-00		3	SNA
73	P TAPPING BIND SCREW M2x5	9679-00-00		4	SNA
74	SCREW (FOR CAMERA) M2x2.5	9828-00-00		1	SNA
75	FH SCREW (FOR CAMERA) M2x2.5	9566-00-00		1	SNA
76	+ - CAP SCREW M2x8	9821-00-00	58673800	2	SNA
77	+ - CAP SCREW M2x7	9820-00-00	58673900	1	SNA
78	AZIMUTH SCREW M2x7	9922-00-00	58674000	1	SNA
79	SCREW (FOR CAMERA) M1.7x4.5	9834-00-00	58674100	1	SNA
80	E RING S2.0	9502-00-00		3	SNA
81	C TAPPING SCREW M2x5	9181-00-00		1	SNA
82	C TAPPING SCREW M2x9	9189-00-00		1	SNA
83	P WASHER CUT 1.2x3.7x0.4	9999-03-07		2	SNA
84	P WASHER CUT 1.55x3.8x0.5	9875-00-00		1	SNA
85	P WASHER CUT 2.05x4x0.5	9999-00-04		1	SNA
86	F.R SWITCH BRACKET	1821-39-14A		1	SNA

NO.	DESCRIPTION	SPECIFICATION	STOCK NO.	Q'TY	REMARK
87	LEAF SWITCH	MSW-1482CV	58674200	1	
88	RC LEVER (C)	1821-39-18		1	SNA
89	MTA COLLER	1829-39-15		1	SNA
90	RC SLIDE LEVER	1821-39-08		1	SNA
91	SWITCH BRACKET	1821-01-191		1	SNA
92	CORE	1865-20-02	58674300	1	SNA
93	COIL ASS'Y	1850-28-12	58674400	1	
94	KICK ARM (A)	1821-42-01		1	SNA
95	ARMATURE PIECE (A)	1821-42-02		1	SNA
96	KICK ARM SPRING (A)	1821-42-04		1	SNA
97	RF ARM COLLAR SCREW	1867-04-13		1	SNA
98	LEAF SWITCH	MSW-0025NBK	58674500	1	
99	F.R. SWITCH COLLER SCREW	1829-10-13		1	SNA
100	CAP TAPPING SCREW 2x5	9661-00-00		2	SNA

DECK MECHANICAL PARTS (TN21SC-1484)

*SNA (SERVICE NOT AVAILABLE)

NO.	DESCRIPTION	SPECIFICATION	STOCK NO.	Q'TY	REMARK
1	MAIN BASE ASS'Y	1821-01-60D		1	SNA
2	SWITCH PLATE	1821-01-05		1	SNA
3	PUSH BUTTON ACTUATOR (S)	1821-01-162		1	SNA
4					SNA
5	PLAY BUTTON LEVER ASS'Y	1821-01-520		1	SNA
6	RWD BUTTON LEVER	1821-01-137		1	SNA
7	FF BUTTON LEVER	1821-01-117		1	SNA
8	STOP BUTTON LEVER	1821-01-32		1	SNA
9	PAUSE BUTTON LEVER ASS'Y	1821-01-503		1	SNA
10	REW LEVER	1821-01-68		1	SNA
11	PAUSE LEVER	1821-01-131	58674600	1	
12	PAUSE LEVER SPRING	1821-01-16		1	SNA
13	PAUSE STOPPER	1821-01-34	58674700	1	
14	BUTTON LEVER SPRING (C)	1821-01-23		1	SNA
15	SUB PLATE ASS'Y	1821-39-501		1	SNA
16					SNA
17	LEAF SW MSW-1664	6401-01-149	58672100	1	SNA
18					SNA
19	ACTUATOR SPRING	1821-01-22		1	SNA

NO.	DESCRIPTION	SPECIFICATION	STOCK NO.	Q'TY	REMARK
20	AUTO LEVER	1821-01-62	58674800	1	
21	AUTO LEVER SPRING	1821-01-132		1	SNA
22	FF BUTTON LEVER SPRING	1821-01-138		1	SNA
23	LEAF SWITCH	MSW-1541T	58672200	1	
24	SWITCH ACTUATOR SPRING	1821-01-38		1	SNA
25	E KICK LEVER	1821-01-65		1	SNA
26	HEAD PANEL	1821-03-16		1	SNA
27	HEAD BASE	1821-03-02	58674900	1	
28	SENSING PLATE ASS'Y	1821-03-301	58675000	1	
29					
30	OPERATION LEVER	1821-31-07	58675100	5	
31	T.P.S ACTUATOR	1821-01-144		1	SNA
32	T.G. PLATE COLLER	1821-10-63		1	SNA
33	P.M.E. SCREW	1821-13-05		1	SNA
34	AZIMUTH SPRING	1821-03-07	58672300	1	SNA
35	PINCH ROLLER ARM ASS'Y	1821-04-303	58672400	1	
36	PINCH ROLLER SPRING	1821-04-06		1	SNA
37	MS SCREW	1821-39-12		2	SNA
38	METAL GUIDE	1821-39-19		1	SNA
39	RF CLUTCH ASS'Y	1821-07-347	58672500	1	SNA
40	RF PULLEY ARM SPRING	1821-07-10		1	SNA
41	RF ARM COLLER SCREW	1821-07-21		1	SNA
42	RF BELT	1821-07-11	58672600	1	
43	RC SPRING	1821-01-192		1	SNA
44	FLY WHEEL ASS'Y	1821-09-301		1	SNA
45	REEL BASE ASS'Y	1821-10-519		1	SNA
46	TAKE UP GEAR PLATE ASS'Y	1821-10-517		1	SNA
47	TAKE UP ROLLER GEAR	1821-10-34A	58672700	1	
48	TG PLATE SPREING (C)	1821-10-40		1	SNA
49	FF GEAR	1821-10-35	58672800	1	SNA
50	BACK TENSION SPRING	1821-10-46		1	SNA
51	SUPPLY REEL ASS'Y	1821-10-309	58672900	1	
52	TAKE UP REEL ASS'Y	1821-10-319	58673000	1	SNA
53					
54	BACK TENSION SPRING	1829-10-10		1	SNA
55	MOTOR BRACKET	1821-12-67		1	SNA
56	MOTOR RUBBER	1820-13-06	58673100	3	SNA
57	MOTOR COLLER SCREW	1821-12-02	58673200	3	SNA
58	MOTOR PULLEY	1821-12-32	58673300	1	
59	MAIN BELT	1821-12-138	58673400	1	

NO.	DESCRIPTION	SPECIFICATION	STOCK NO.	Q'TY	REMARK
60	BUTTON FLAME (S)	1821-31-06		1	SNA
61	MAIN PLATE SPRING	1260-10-07		1	SNA
62	EJECT SLIDE LEVER	1821-13-04		1	
63	EJECT SLIDE LEVER SPRING	1821-13-02		1	SNA
64	PACK SPRING	1829-10-01		1	
65	BUTTON LEVER SHAFT	1829-31-03		1	SNA
66	R.P. HEAD	CR0991	58673500	1	
67					
68	MOTOR	R146416	58673700	1	
69	SHREW (FOR CAMERA) M2x7	9982-00-00		2	SNA
70	3B LUG	9480-00-00		1	SNA
71	C TAPPING SCREW M2x3	9179-00-00		2	SNA
72	C TAPPING SCREW M2x4	9180-00-00		3	SNA
73	P TAPPING BIND SCREW M2x5	9679-00-00		4	SNA
74	SCREW (FOR CAMERA) M2x2.5	9828-00-00		1	SNA
75	FH SCREW (FOR CAMERA) M2x2.5	9566-00-00		1	SNA
76					SNA
77	+ - CAP SCREW M2x7	9820-00-00	58673900	1	SNA
78	AZIMUTH SCREW M2x7	9922-00-00	58674000	1	SNA
79	SCREW (FOR CAMERA) M1.7x4.5	9834-00-00	58674100	1	SNA
80	E RING S2.0	9502-00-00		3	SNA
81	C TAPPING SCREW M2x5	9181-00-00		1	SNA
82	C TAPPING SCREW M2x9	9189-00-00		1	SNA
83	P WASHER CUT 1.2x3.7x0.4	9999-03-07		2	SNA
84	P WASHER CUT 1.55x3.8x.05	9875-00-00		1	SNA
85	P WASHER CUT 2.05x4x0.5	9999-00-04		1	SNA
86	F.R SWITCH BRACKET	1821-39-14A		1	SNA
87	LEAF SWITCH	MSW-1482CV	58674200	1	
88	RC LEVER (C)	1821-39-18		1	SNA
89	MTA COLLER	1829-39-15		1	SNA
90	RC SLIDE LEVER	1821-39-08		1	SNA
91	SWITCH BRACKET	1821-01-191		1	SNA
92	CORE	1865-20-02	58674300	1	SNA
93	COIL ASS'Y	1850-28-12	58674400	1	
94	KICK ARM (A)	1821-42-01		1	SNA
95	ARMATURE PIECE (A)	1821-42-02		1	SNA
96	KICK ARM SPRING (A)	1821-42-04		1	SNA
97	RF ARM COLLAR SCREW	1867-04-13		1	SNA
98	LEAF SWITCH	MSW-0025NBK	58674500	1	
99	F.R. SWITCH COLLER SCREW	1829-10-13		1	SNA
100	CAP TAPPING SCREW 2x5	9661-00-00		1	SNA

D-900W



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