

CDP-M70

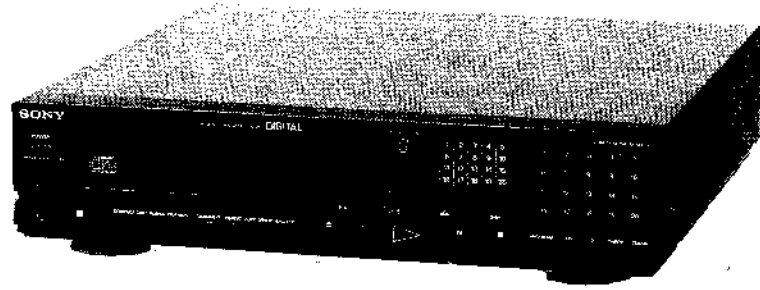
CDP-M70

DISPLAY SECTION SCHEMATIC DIAGRAM

SERVICE MANUAL

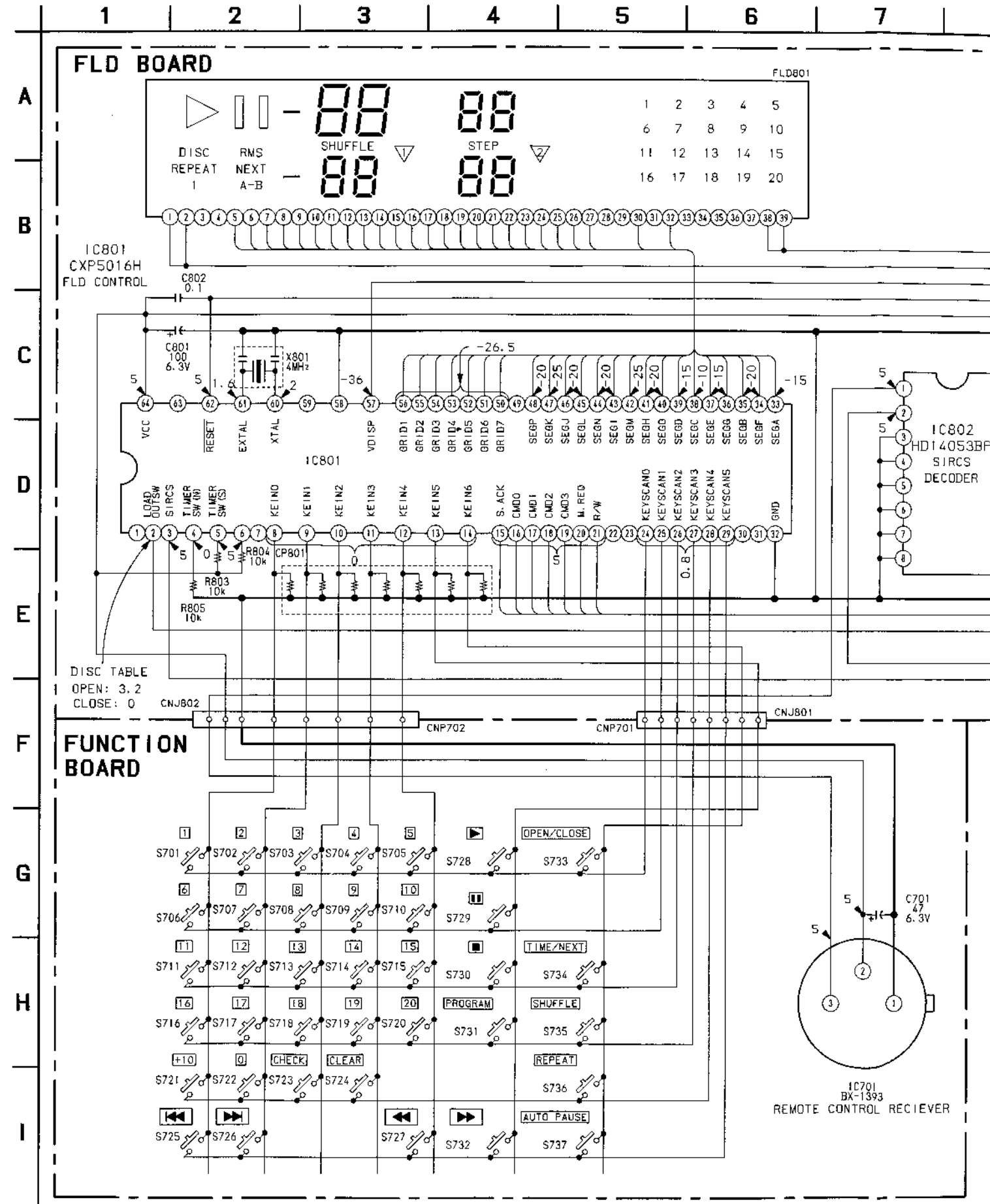
PRELIMINARY

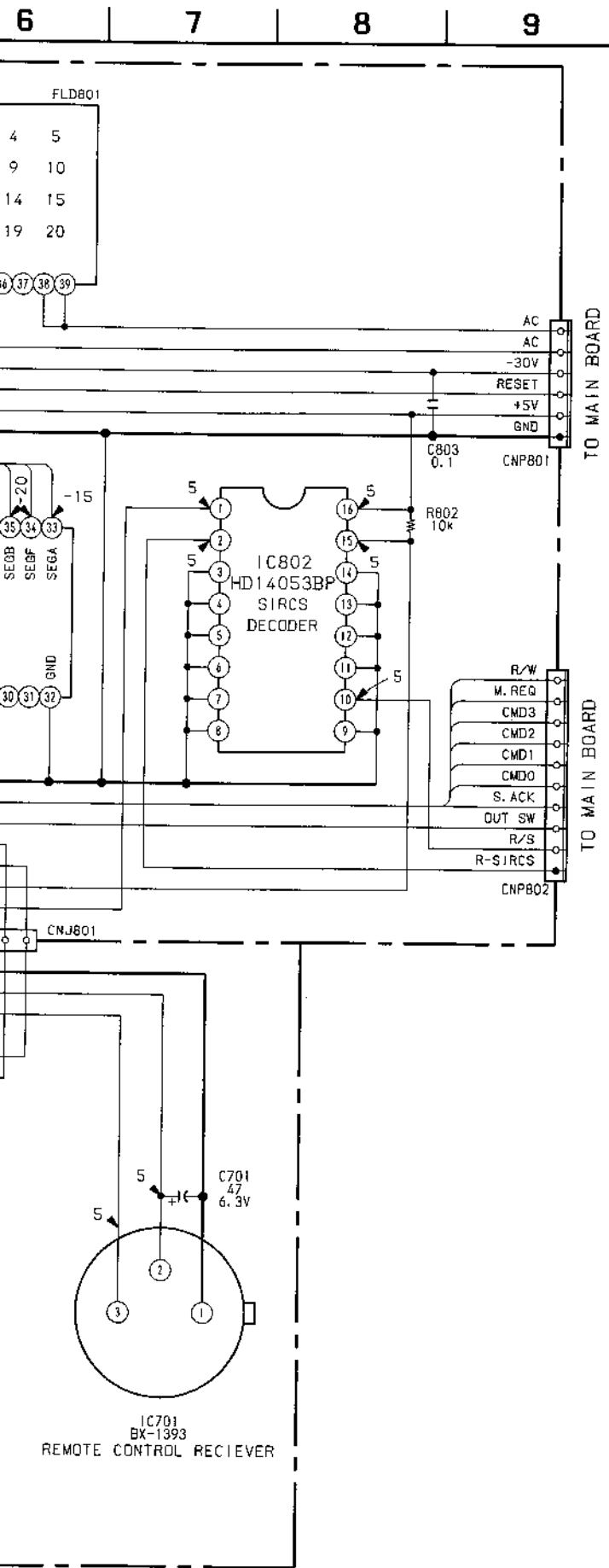
AEP Model
UK Model
E Model



COMPACT DISC PLAYER
SONY


AUD





● Note on schematic Diagram.

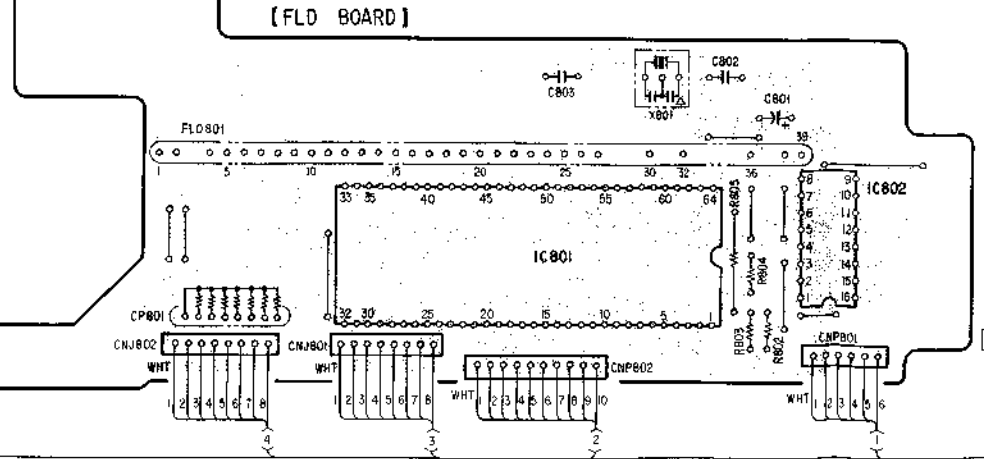
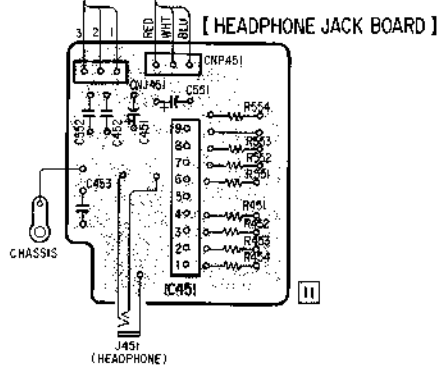
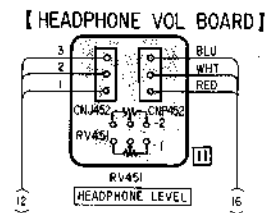
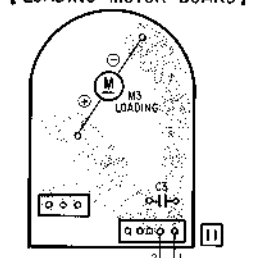
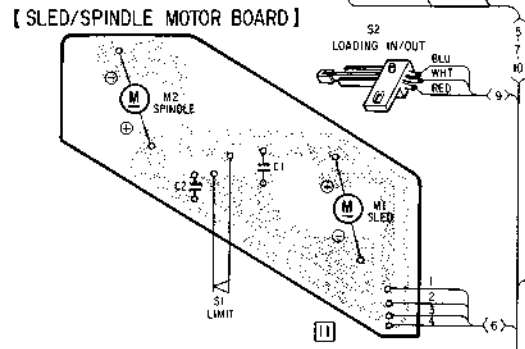
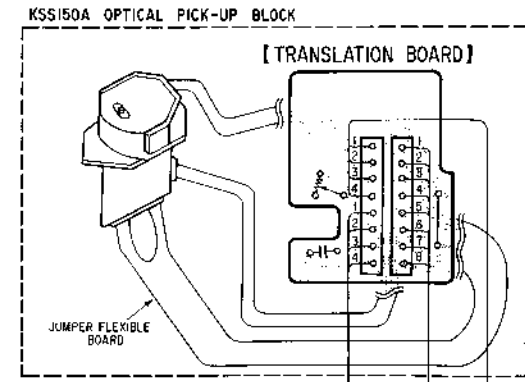
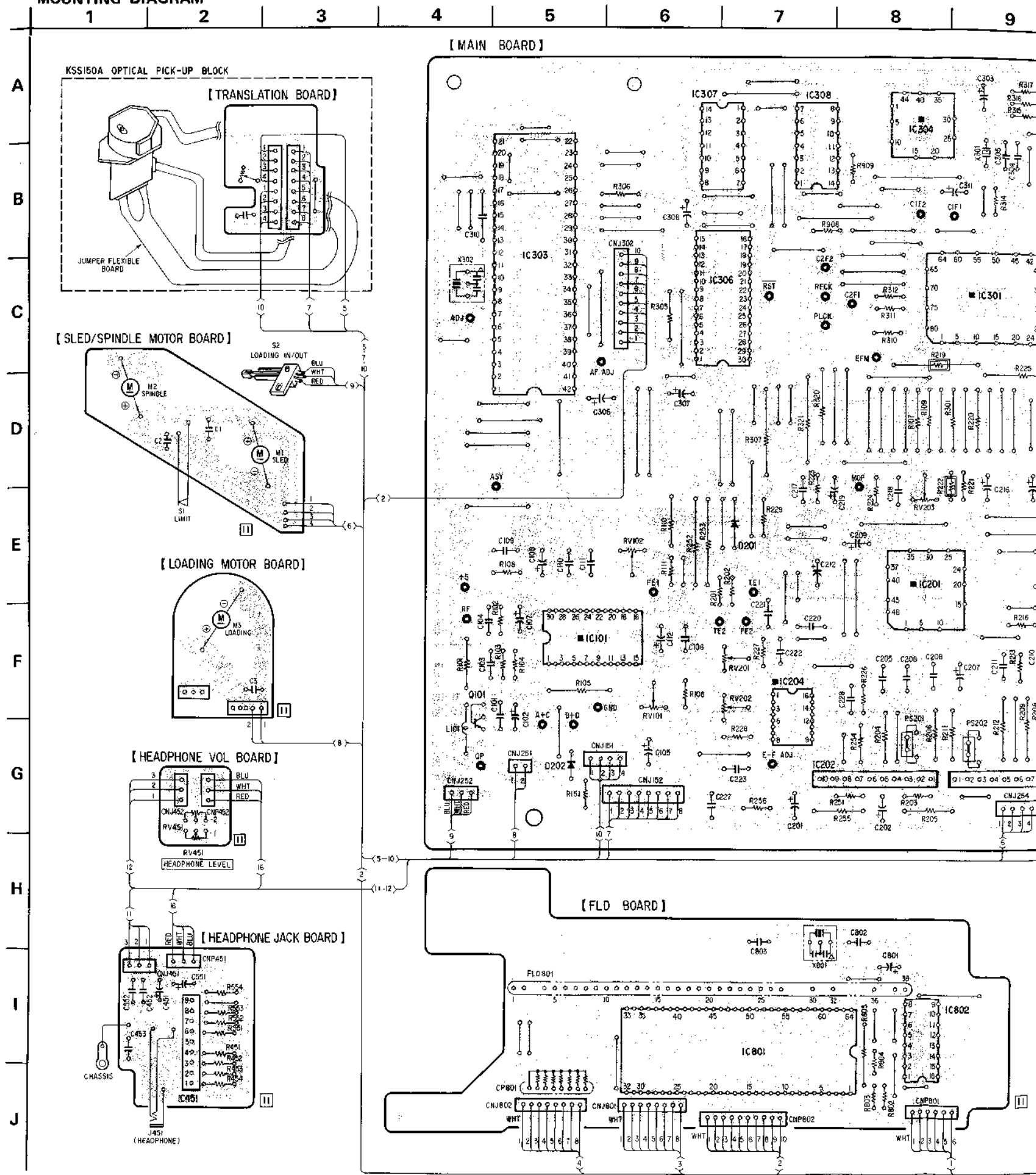
Note:

- All capacitors are in μF unless otherwise noted. pF : $\mu\mu\text{F}$ 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
-  : fusible resistor.
- Switch

Ref. No.	Switch	Position
S1	LIMIT IN	OFF
S2	LOADING IN/OUT	IN
S601	DIGITAL OUT	OFF
S701	DIRECT MUSIC SEARCH 1	OFF
	i	i
S720	DIRECT MUSIC SEARCH 20	OFF
S721	+10	OFF
S722	0	OFF
S723	CHECK	OFF
S724	CLEAR	OFF
S725	⏮	OFF
S726	⏭	OFF
S727	⏪	OFF
S728	▶	OFF
S729		OFF
S730	■	OFF
S731	PROGRAM	OFF
S732	▶▶	OFF
S733	OPEN/CLOSE	OFF
S734	TIME/NEXT	OFF
S735	SHUFFLE	OFF
S736	REPEAT	OFF
S737	AUTO SPACE	OFF
S951	POWER	OFF
VS901	VOLTAGE SELECTOR	220-240V

- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal (detuned) conditions with a VOM (50 $\text{k}\Omega/\text{V}$).
no mark: STOP
() : PLAY
< > : DIGITAL OUT switch
- Voltage variations may be noted due to normal production tolerances.

MOUNTING DIAGRAM

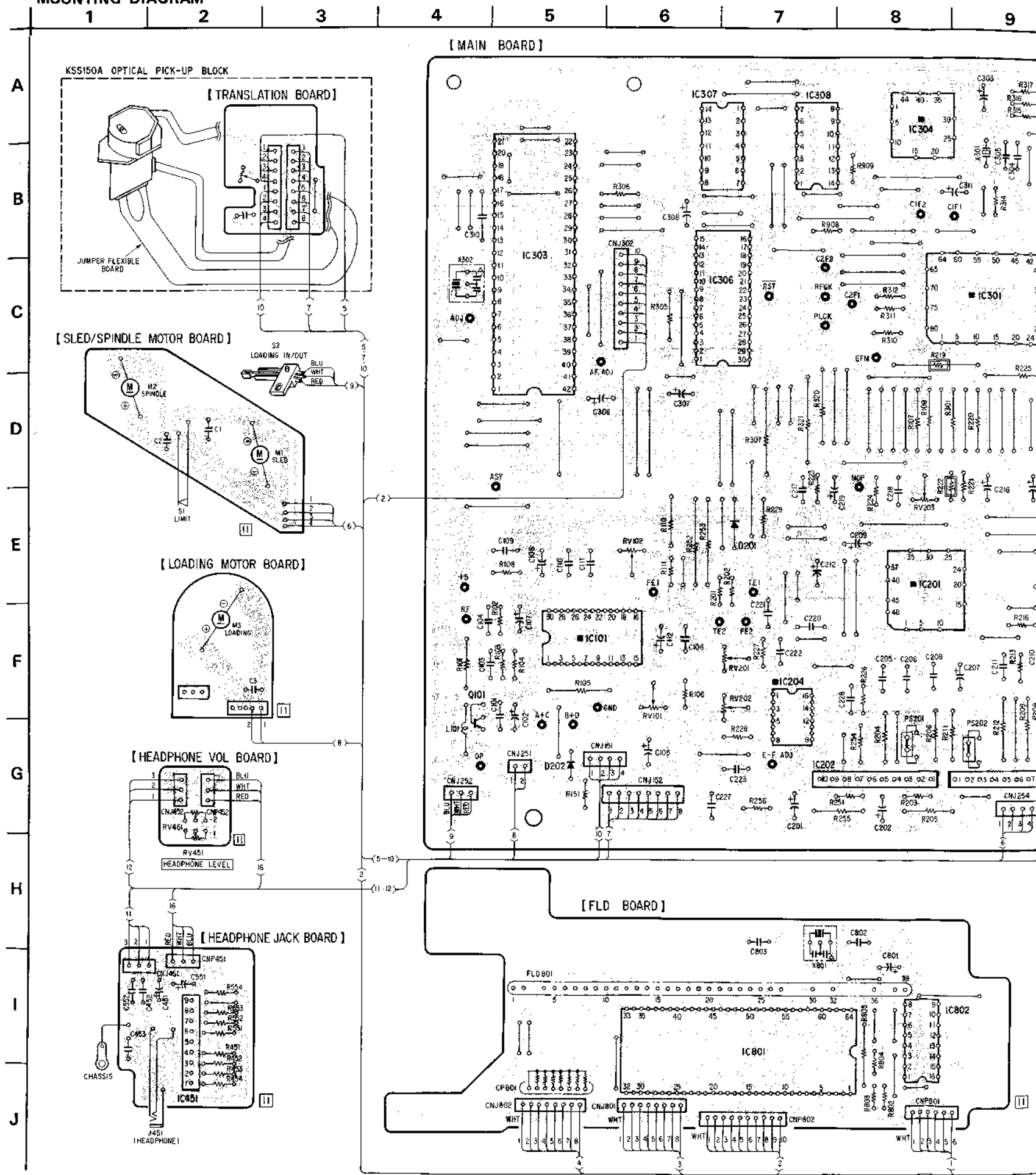


Note:

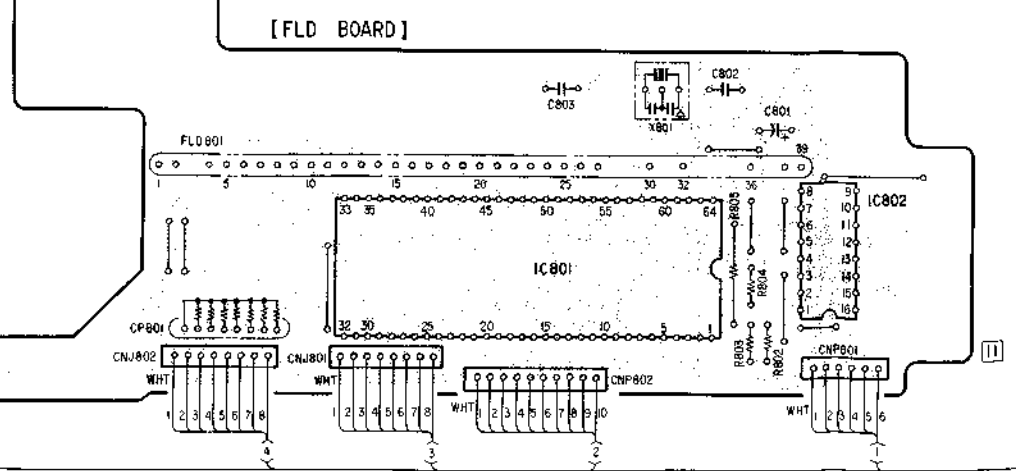
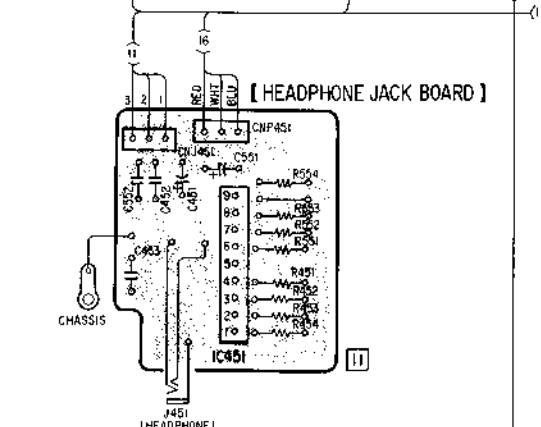
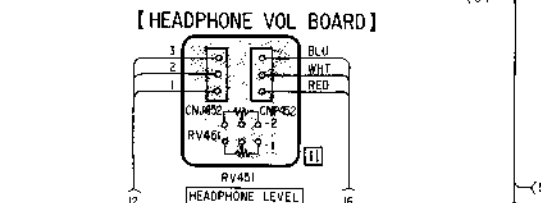
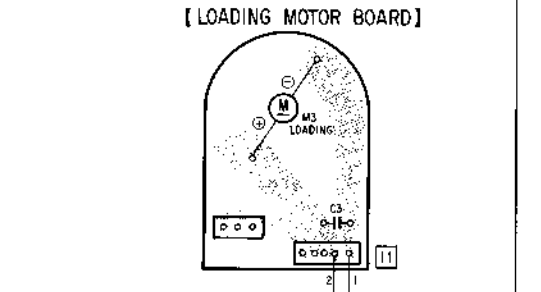
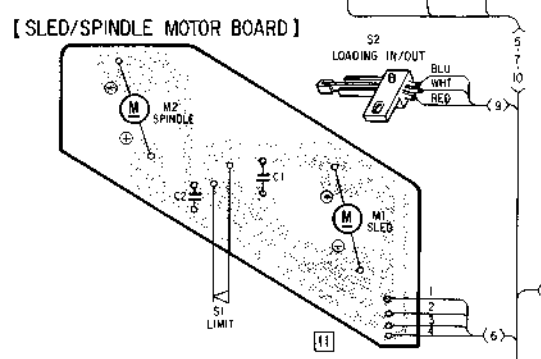
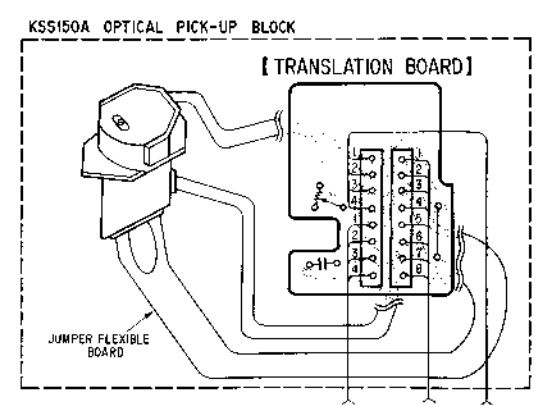
- Color code of sleeving over the end of the jacket.

- : parts extracted from the component side.
- : part mounted on the conductor side.

MOUNTING DIAGRAM



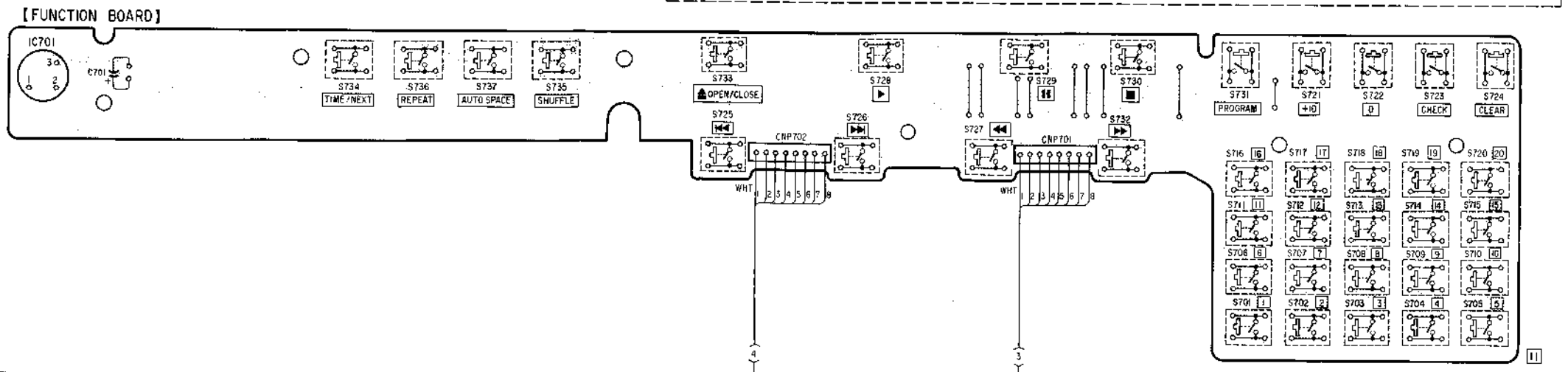
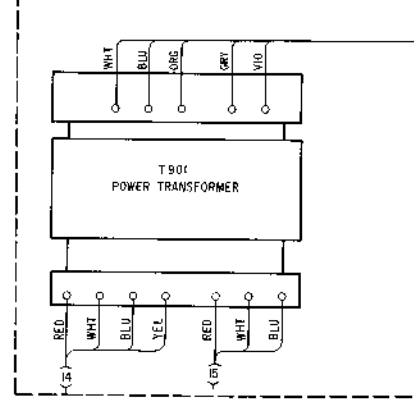
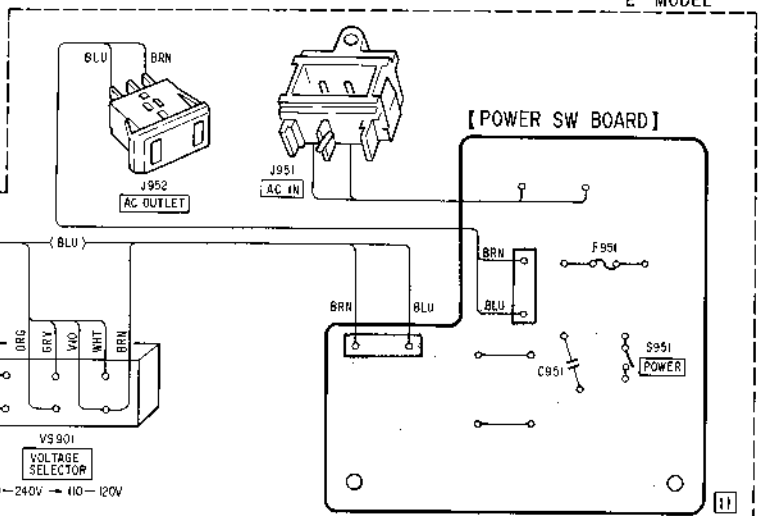
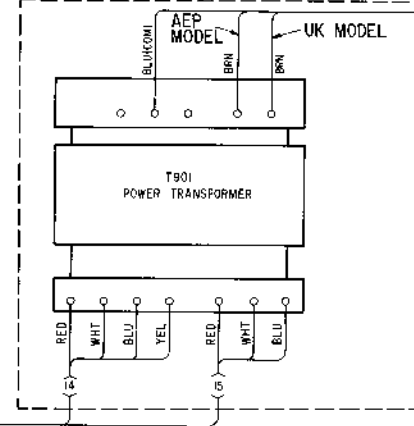
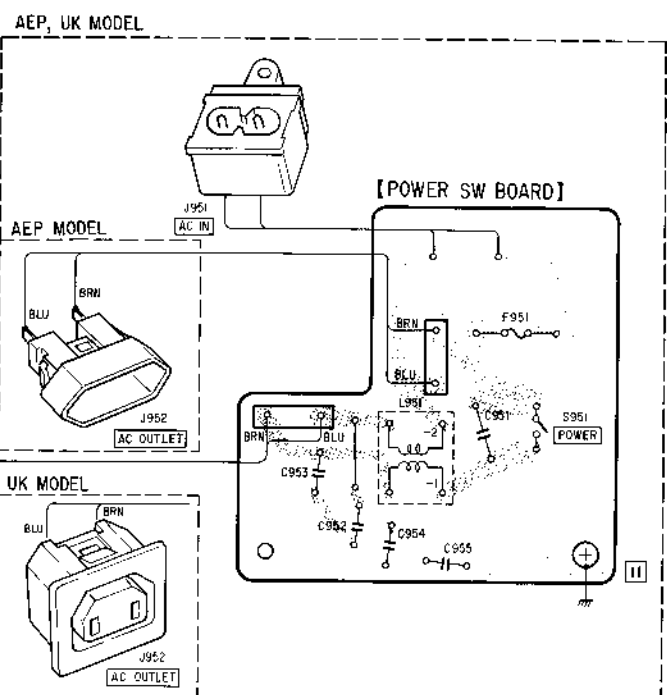
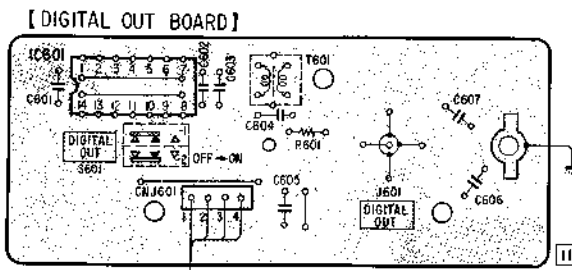
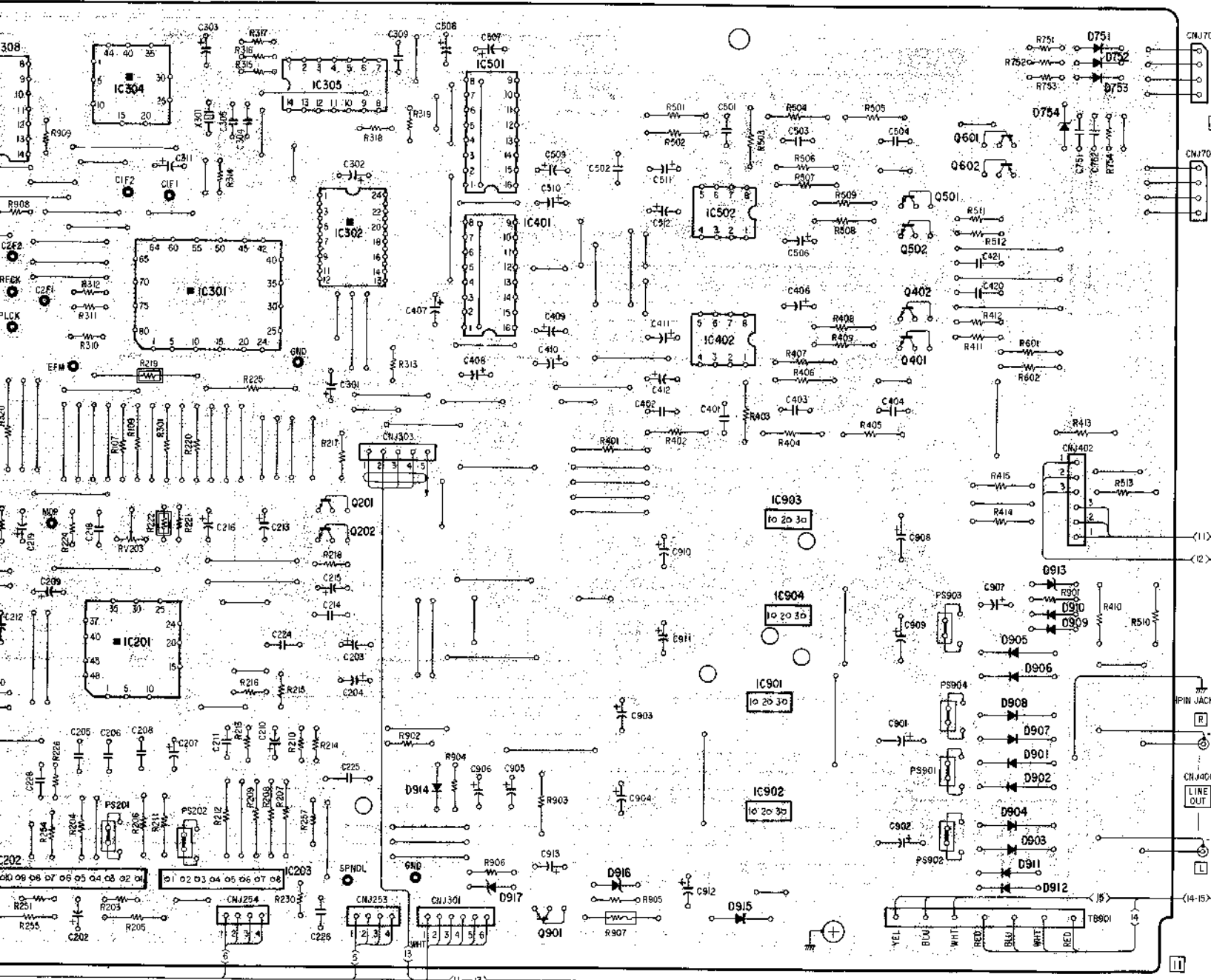
A
B
C
D
E
F
G
H
I
J



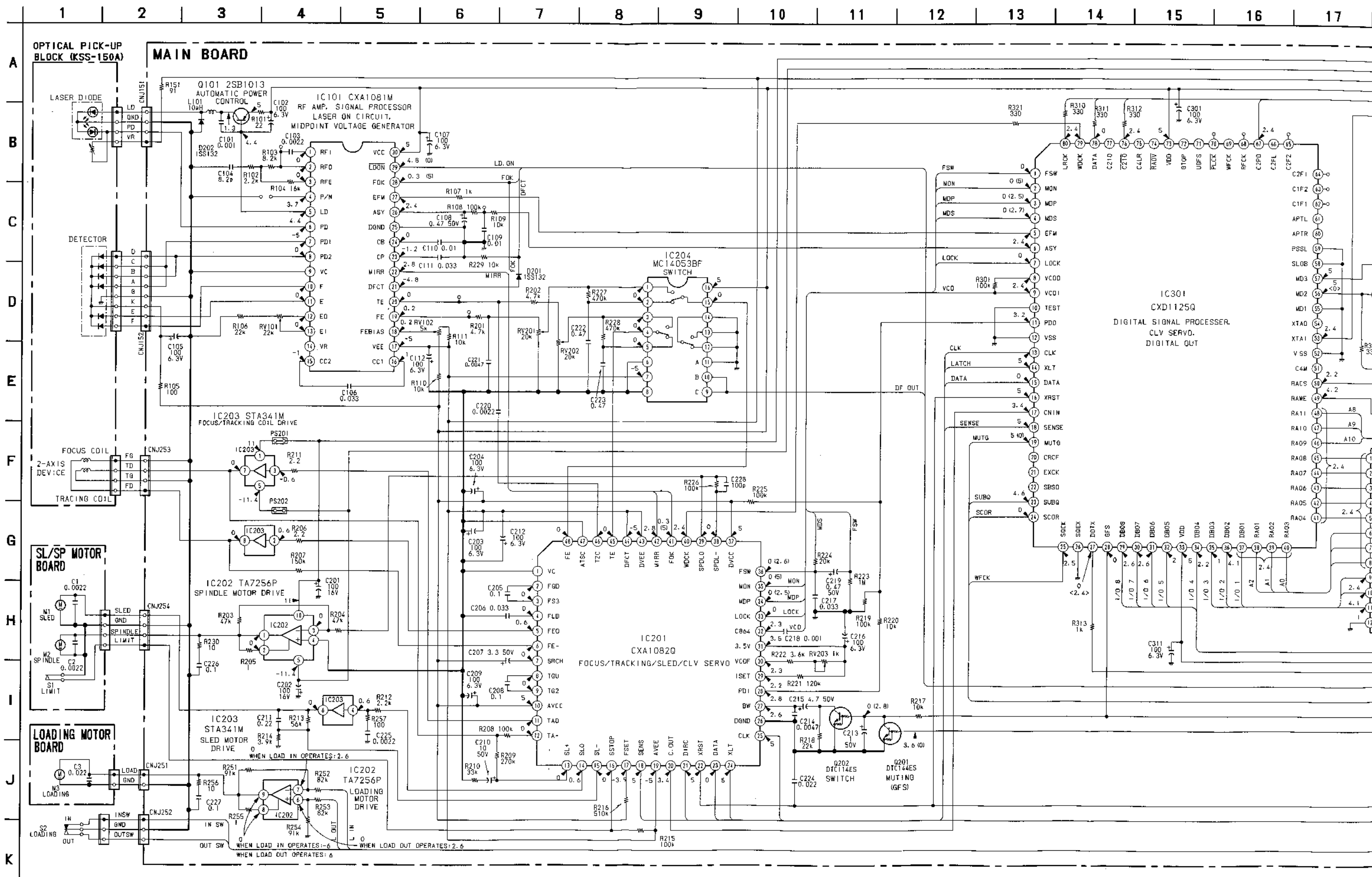
Note:

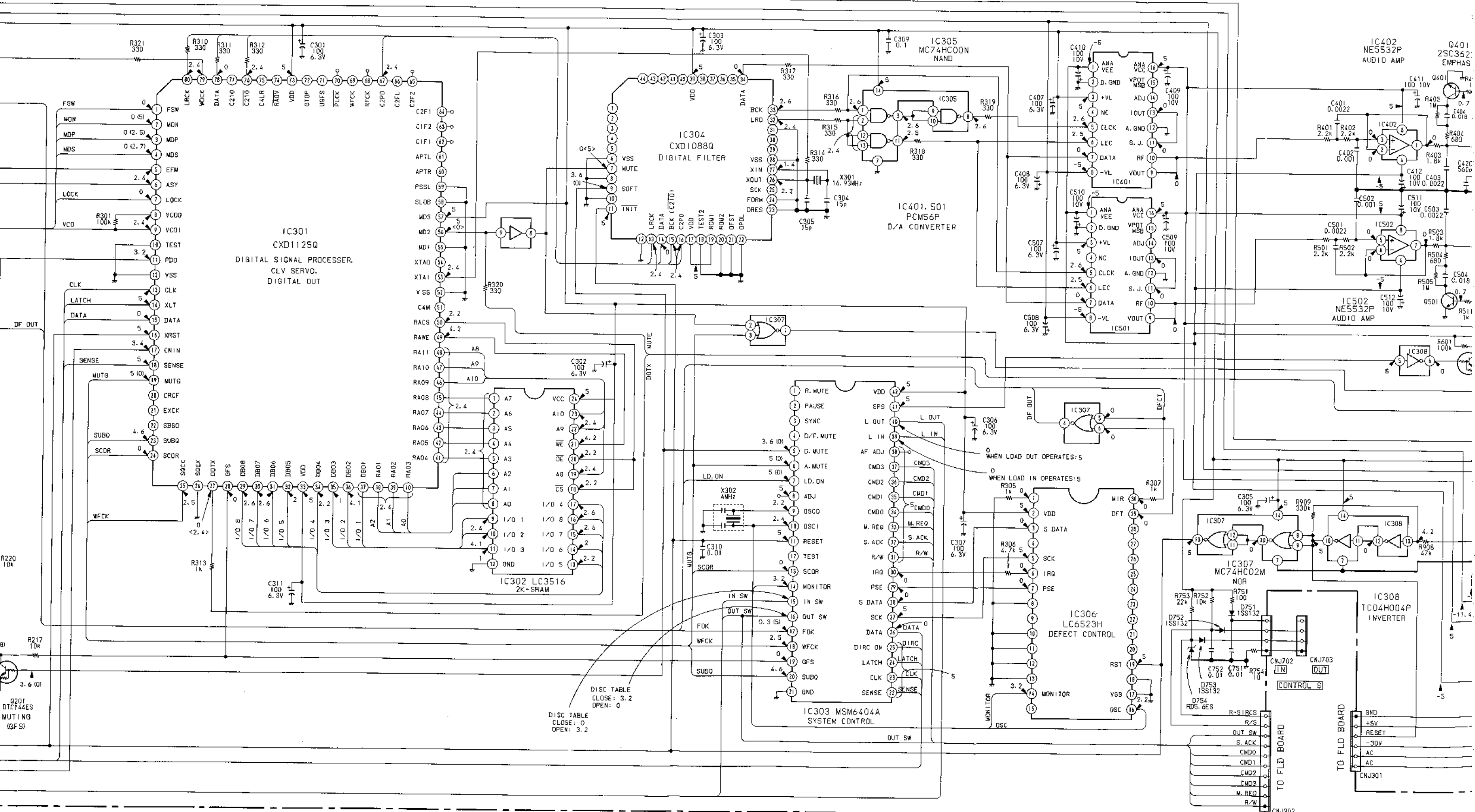
- Color code of sleeving over the end of the jacket.

- : parts extracted from the component side.
- : part mounted on the conductor side.



A
B
C
D
E
F
G
H
I
J



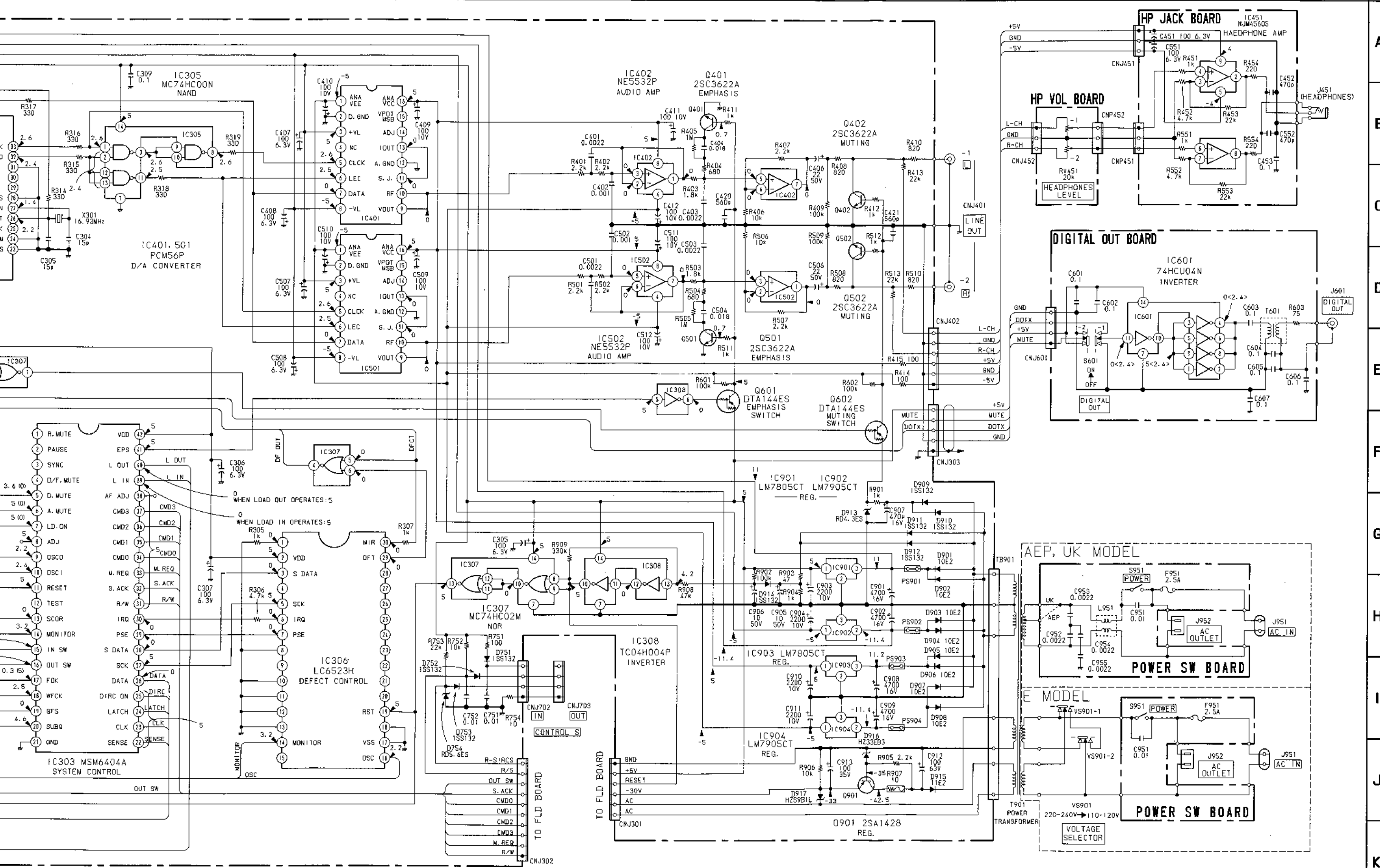


DISC TABLE
CLOSE: 3.2
OPEN: 0

CONTROL S

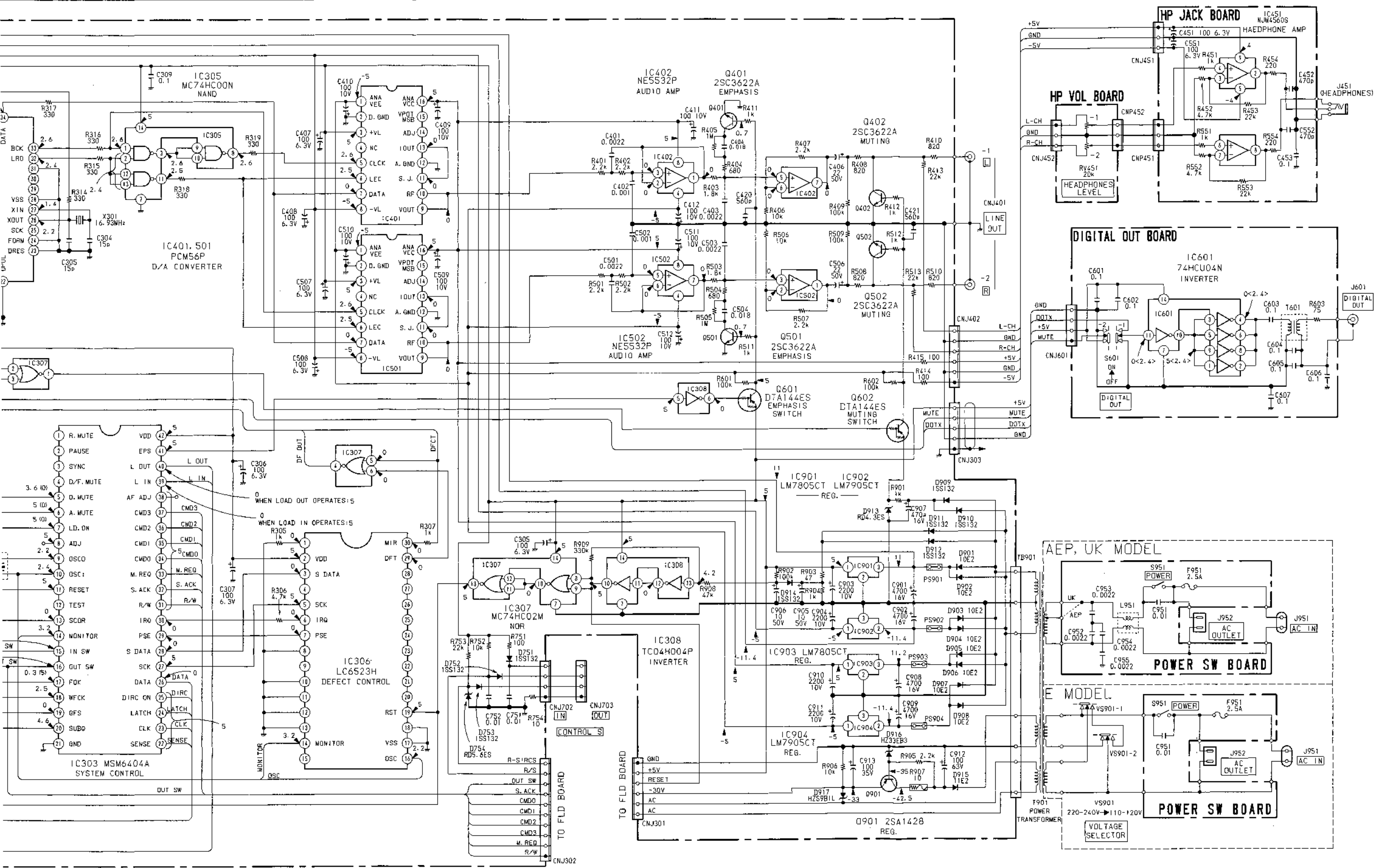
TO FLD BOARD

21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37



21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37

A
B
C
D
E
F
G
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I
J
K




NOTE:

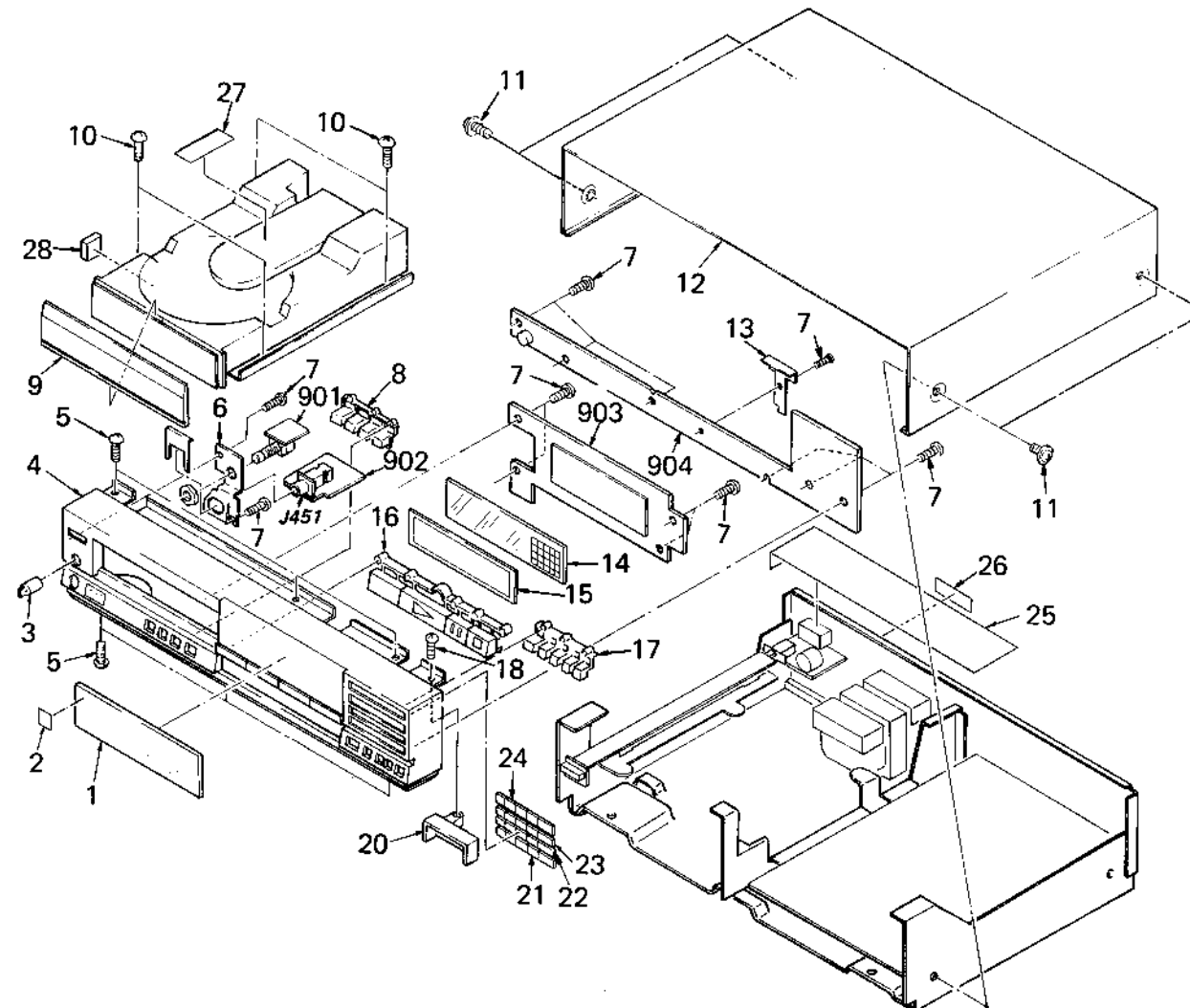
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Color Indication of Appearance Parts
Example: (RED) KNOB, BALANCE (WHITE)
- ↑ Cabinet's Color ↑ Parts' Color

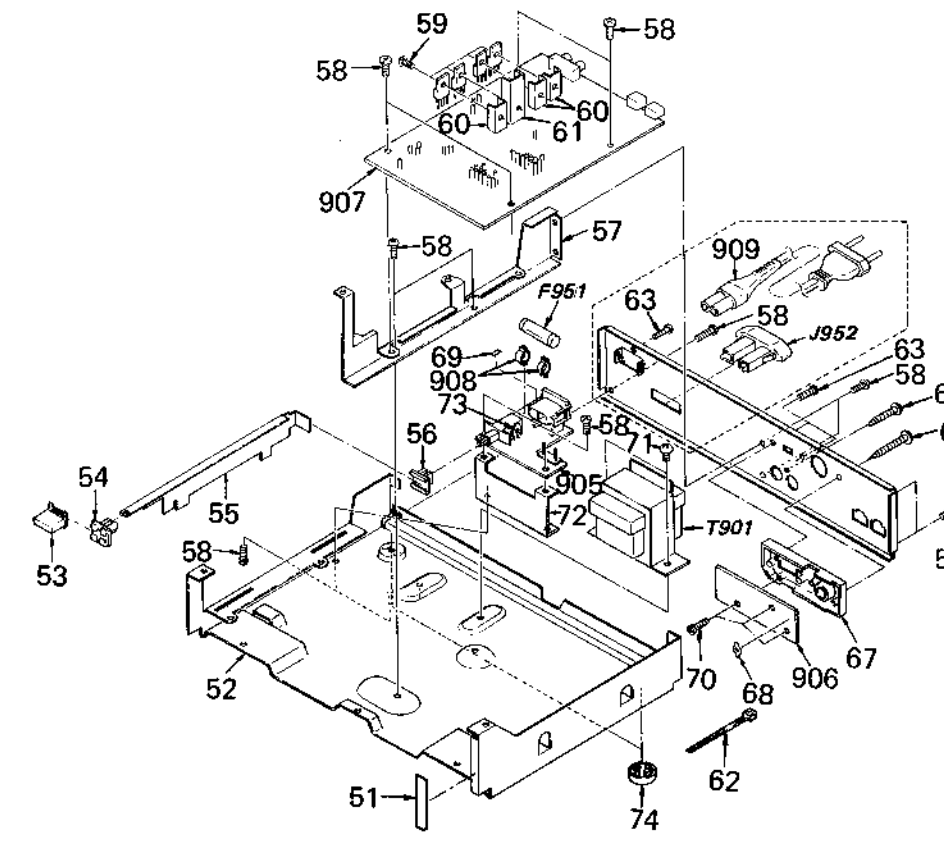
The components identified by shading and mark  are critical for safety. Replace only with part number specified.

(1)



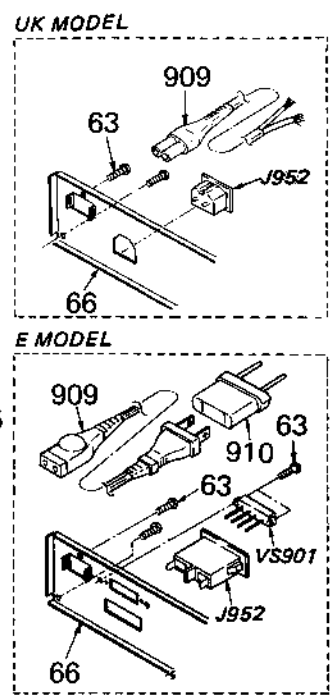
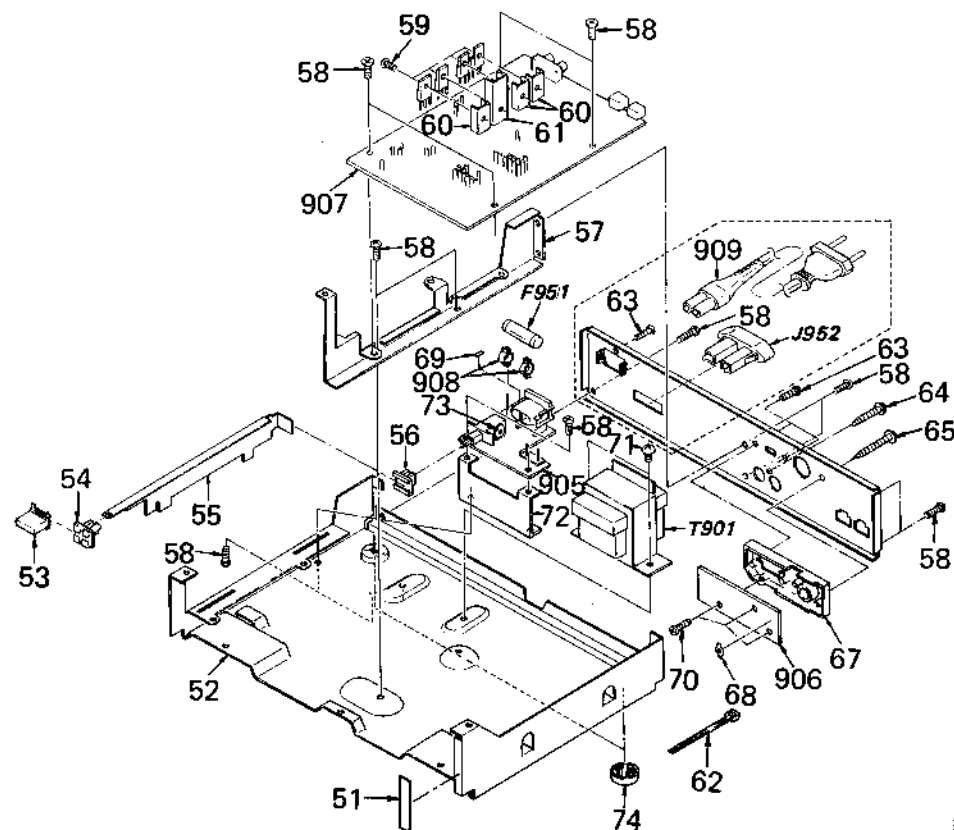
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	4-918-623-01	WINDOW		18	3-703-685-21	SCREW (+BV 3X8)	
2	3-703-713-41	STICKER, SONY SYMBOL (10)		19	7-685-646-79	SCREW +BVTP 3X8 TYPE 2 N-S	
3	4-901-708-11	KNOB, VOL		20	*4-918-621-01	RETAINER, PC BOARD	
4	X-4917-520-1	FRONT PANEL ASSY		21	4-918-627-01	KEY BLOCK	
5	7-685-872-01	SCREW +BVTT 3X8		22	4-918-627-11	KEY BLOCK	
6	*4-918-624-01	BRACKET, VOL		23	4-918-627-21	KEY BLOCK	
7	7-685-134-19	SCREW +BTP 2.6X8 TYPE 2 N-S		24	4-918-627-31	KEY BLOCK	
8	4-918-635-01	BUTTON BLOCK (B)		25	*4-918-665-01	COVER, POWER	
9	4-918-632-01	PANEL, LOADING		26	*4-885-838-00	LABEL, CLASS 1	
10	7-685-871-01	SCREW +BVTT 3X6 (S)		27	4-885-843-02	LABEL, CAUTION, LASER	
11	4-886-821-01	SCREW, M3 CASE		28	9-911-845-XX	CUSHION	
12	4-918-639-01	CASE		901	*1-621-884-11	PC BOARD, HEADPHONE VOL	
13	*4-918-662-01	STOPPER		902	*1-621-885-11	PC BOARD, HEADPHONE JACK	
14	*4-918-119-01	FILTER		903	*1-621-887-11	PC BOARD, FLD	
15	*4-918-661-01	PLATE, SHIELD		904	*1-621-888-11	PC BOARD, FUNCTION	
16	4-918-630-01	BUTTON BLOCK (C)		J451	1-563-486-21	JACK, LARGE TYPE (HEADPHONES)	
17	4-918-628-01	BUTTON BLOCK (A)					

(2)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	*4-918-660-01	INSULATOR		71	7-685-880-01	SCREW	
52	*4-917-321-01	CHASSIS, MAIN		72	*4-918-626-01	BRACKET	
53	4-907-611-61	KNOB, POWER		73	4-875-455-01	COVER	
54	4-908-569-01	JOINT, SWITCH, POWER		74	X-3701-069-0	FOOT	
55	*4-918-631-01	JOINT, POWER SW		905	*1-621-889-11	PC BOARD	
56	4-866-342-00	JOINT (B), KNOB		906	*1-621-886-11	PC BOARD	
57	*4-917-319-01	CHASSIS, CENTER		907	*A-4651-118-A	MOUNTING	
58	7-685-871-01	SCREW +BVTT 3X6 (S)		908	*1-533-183-11	HOLE	
59	2-259-121-00	SCREW, TR		909	△.1-558-032-11	(UK)	
60	*3-309-144-01	HEAT SINK			△.1-558-833-11	(E)	
61	*4-886-555-00	HEAT SINK			△.1-558-835-11	(AEF)	
62	3-701-748-00	(UK)...CLAMP		910	△.1-526-565-00	(E)	
63	7-685-646-79	SCREW +BVTP 3X8 TYPE 2 N-S		P951	△.1-532-286-00	FUSE	
64	3-703-473-00	SCREW, TERMINAL		J952	△.1-526-751-00	(UK)	
65	4-904-486-01	SCREW (F.U), GROUND			△.1-526-774-11	(E)	
66	*4-918-637-01	(AEP)...PLATE, JACK			△.1-526-794-11	(AEF)	
				J952	△.1-526-774-11	(E)	
				J952	△.1-526-774-11	(E)	
				J952	△.1-526-794-11	(AEF)	
67	*4-912-940-01	ESCUTCHEON, D/O		T901	△.1-448-795-11	(AEF)	
68	*4-918-668-01	BRACKET, GROUND			△.1-448-796-11	(E)	
69	3-701-948-18	LABEL, FUSE		VS901	1-570-046-11	(E)	
70	7-685-134-19	SCREW +BTP 2.6X8 TYPE 2 N-S					

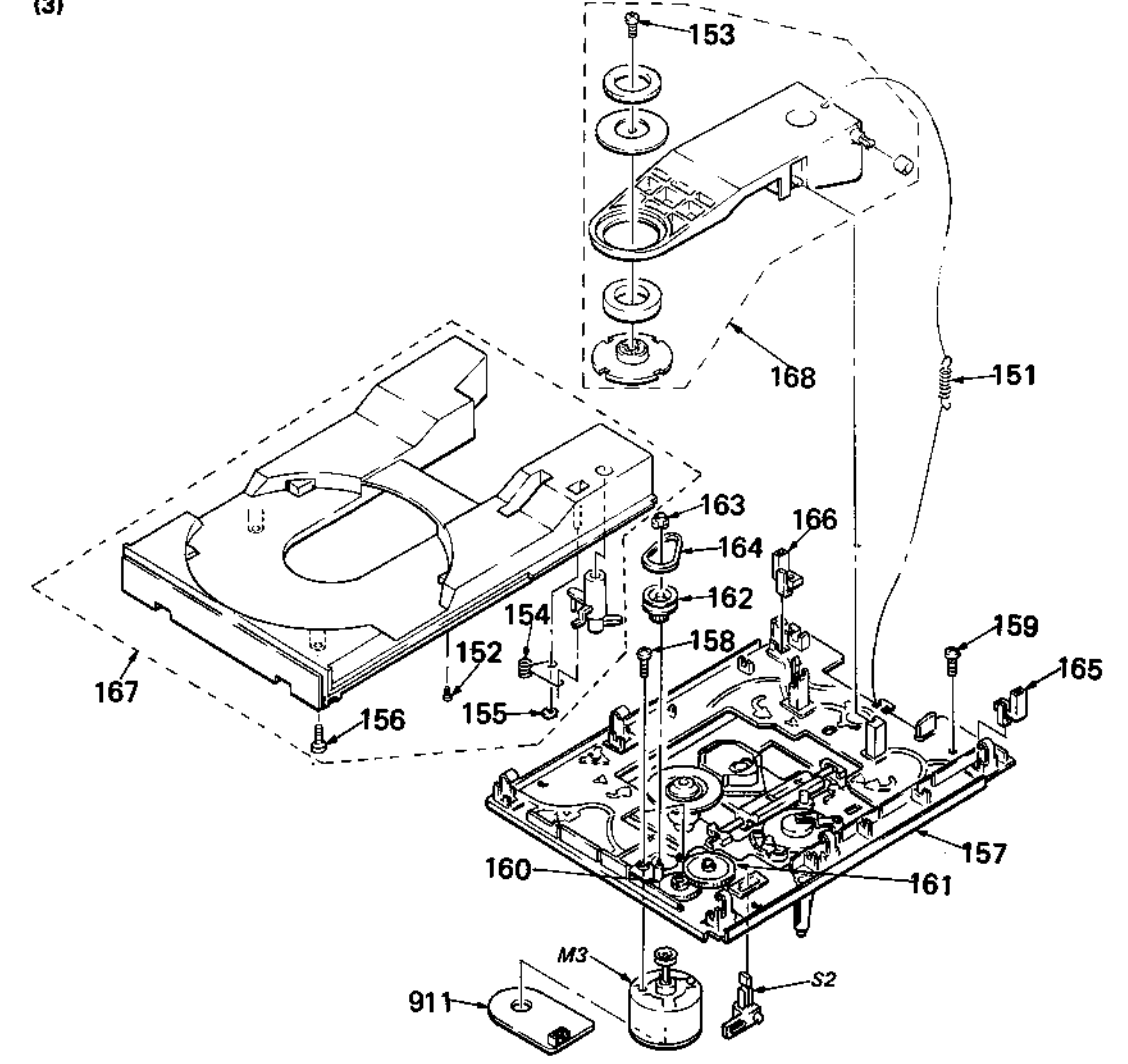
(2)



The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

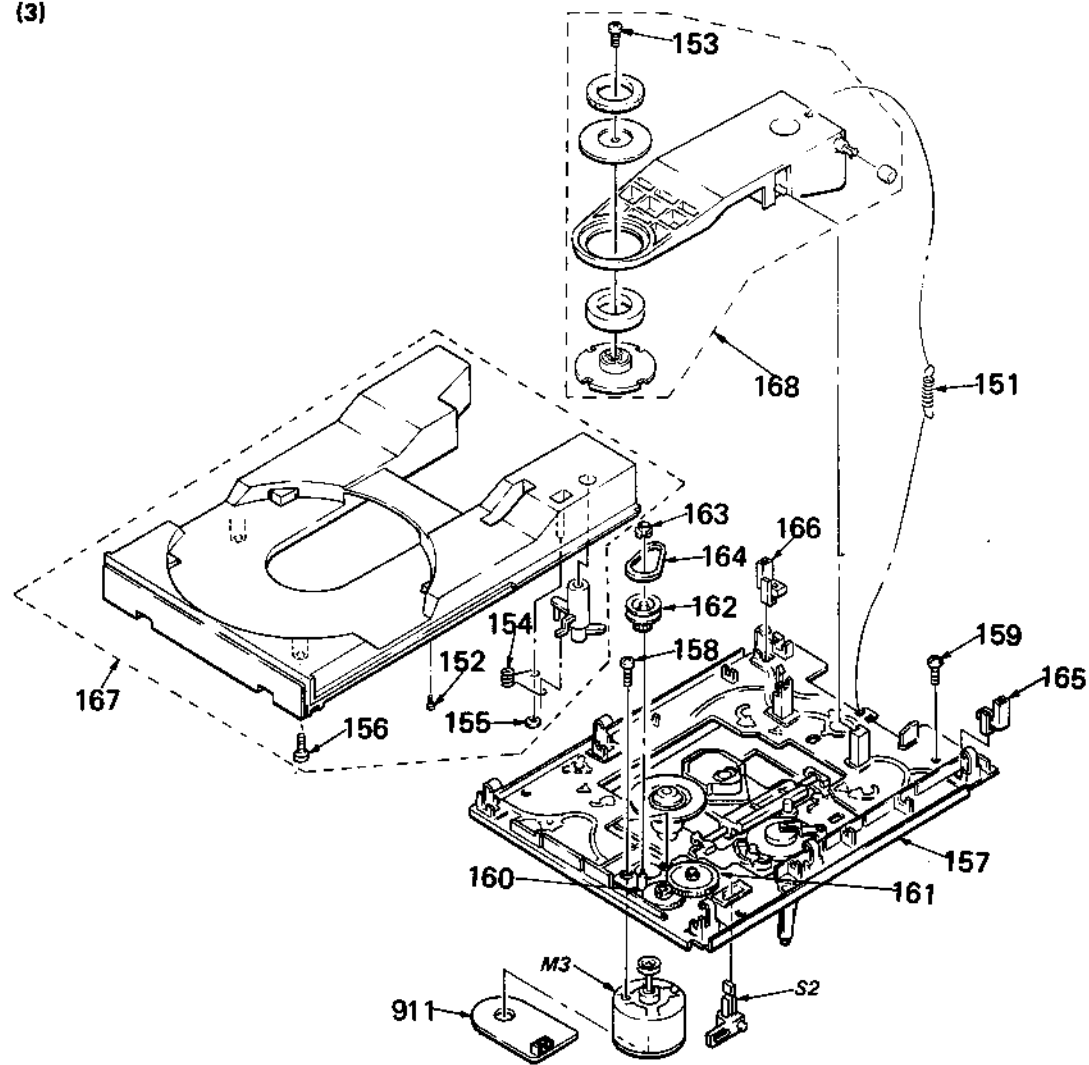
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	*4-918-660-01	INSULATOR		71	7-685-880-01	SCREW +BVTT 4X6 (S)	
52	*4-917-321-01	CHASSIS, MAIN		72	*4-918-626-01	BRACKET, POWER SW	
53	4-907-611-61	KNOB, POWER		73	4-875-455-01	COVER (DIA. 20), CAPACITOR	
54	4-908-569-01	JOINT, SWITCH, POWER		74	X-3701-069-0	FOOT ASSY, M.F	
55	*4-918-631-01	JOINT, POWER SW		905	*1-621-889-11	PC BOARD, POWER SW	
56	4-866-342-00	JOINT (B), KNOB		906	*1-621-886-11	PC BOARD, DIGITAL OUT	
57	*4-917-319-01	CHASSIS, CENTER		907	*A-4651-118-A	MOUNTED PCB, MAIN	
58	7-685-871-01	SCREW +BVTT 3X6 (S)		908	*1-533-183-11	HOLDER, FUSE	
59	2-259-121-00	SCREW, TR		909	A.1-558-032-11	{UK}...CORD, POWER	
60	*3-309-144-01	HEAT SINK			A.1-558-833-11	{E}...CORD, POWER	
61	*4-886-555-00	HEAT SINK			A.1-558-835-11	{AEP}...CORD, POWER	
62	3-701-748-00	{UK}...CLAMP		910	A.1-526-565-00	{E}...AC PLUG ADAPTOR	
63	7-685-646-79	SCREW +BVTP 3X8 TYPE 2 N-S		F951	A.1-532-286-00	FUSE, TIME-LAG (2.5A)	
64	3-703-473-00	SCREW, TERMINAL		J952	A.1-526-751-00	{UK}...OUTLET, AC	
65	4-904-486-01	SCREW (F.U), GROUND			A.1-526-774-11	{E}...OUTLET, AC	
66	*4-918-637-01	{AEP}...PLATE, JACK			A.1-526-794-11	{AEP}...OUTLET, AC	
67	*4-912-940-01	ESCUTCHEON, D/O		T901	A.1-448-795-11	{AEP,UK}...TRANSFORMER, POWER	
68	*4-918-668-01	BRACKET, GROUND			A.1-448-796-11	{E}...TRANSFORMER, POWER	
69	3-701-948-18	LABEL, FUSE		VS901	1-570-046-11	{E}...SWITCH, VOLTAGE CHANGE	
70	7-685-134-19	SCREW +BTP 2.6X8 TYPE 2 N-S					

(3)

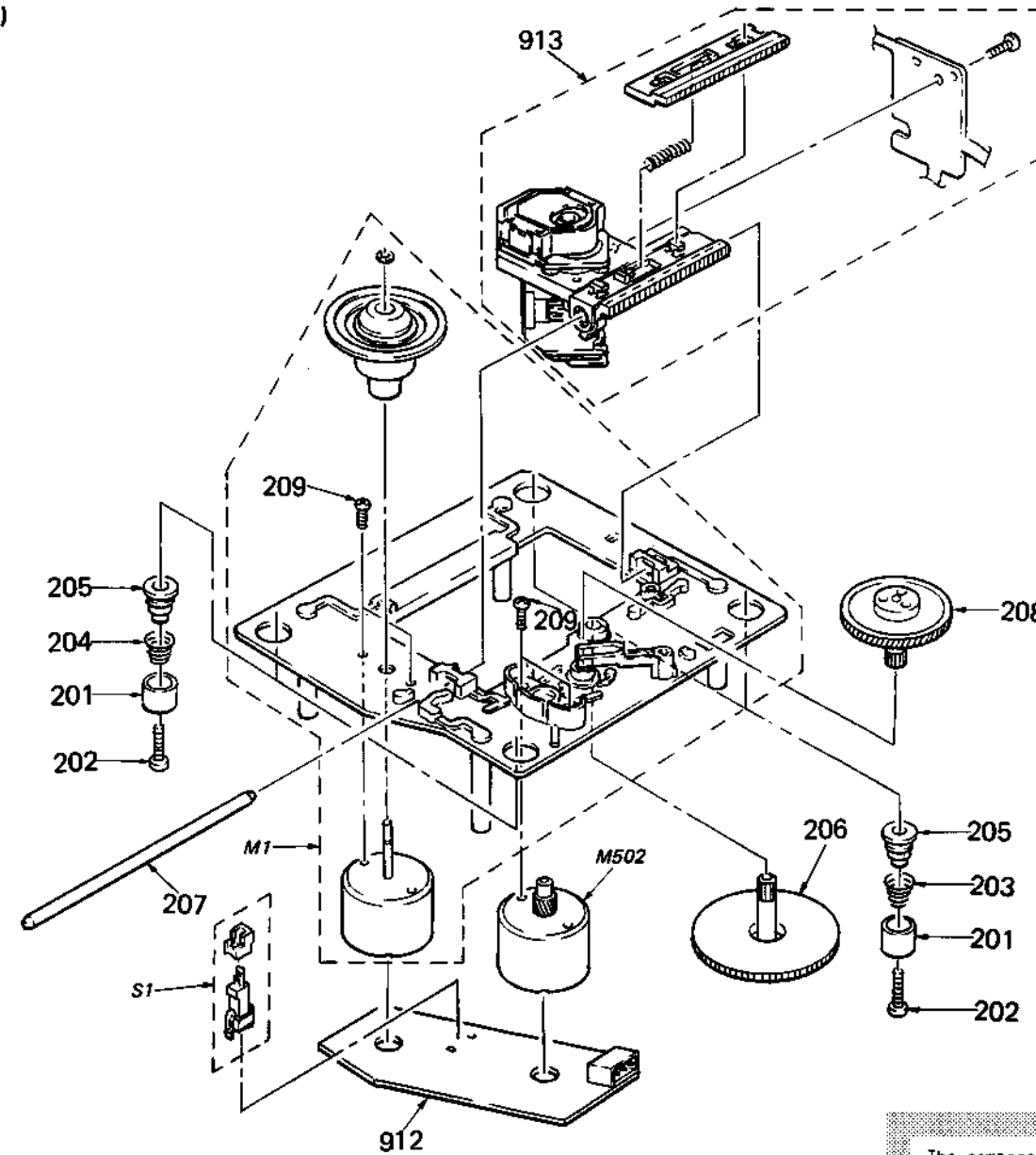


No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
151	4-917-551-01	SPRING (ARM), TENSION		161	4-917-550-01	GEAR (A), LOADING	
152	7-687-203-11	+PTPHW 2X5		162	4-917-546-01	PULLEY (A), LOADING	
153	7-685-132-19	SCREW +BTP 2.6X5 TYPE2 N-S		163	4-910-418-01	BUSHING (DIA. 4)	
154	4-917-552-01	SPRING		164	4-917-548-01	BELT, DRIVING	
155	7-624-190-81	STOP RING 2, TYPE-CS		165	*4-918-613-01	CUSHION (RIGHT)	
156	7-685-103-14	SCREW (2X5), + PWTP		166	*4-918-612-01	CUSHION (LEFT)	
157	4-917-561-11	CHASSIS (OUTSERT), LOADING		167	A-4665-013-A	TABLE ASSY, DISK	
158	7-621-775-40	SCREW +B 2.6X8		168	A-4681-006-A	ARM ASSY, CHUCKING	
159	7-685-793-04	SCREW +BVTT 2.6X8 (S)		911	*1-620-098-11	PC BOARD, LOADING MOTOR	
160	4-910-402-01	GEAR (2), LOADING		M3	A-4608-320-A	MOTOR ASSY, L	
				S2	1-570-203-11	SWITCH, LEAF	

(3)



(4)



The components identified by shading and mark are critical for safety. Replace only with part number specified.

No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
151	4-917-551-01	SPRING (ARM), TENSION		161	4-917-550-01	GEAR (A), LOADING	
152	7-687-203-11	+PTPMH 2X5		162	4-917-546-01	PULLEY (A), LOADING	
153	7-685-132-19	SCREW +BTP 2.6X5 TYPE2 N-S		163	4-910-418-01	BUSHING (DIA. 4)	
154	4-917-552-01	SPRING		164	4-917-548-01	BELT, DRIVING	
155	7-624-190-81	STOP RING 2, TYPE-CS		165	*4-918-613-01	CUSHION (RIGHT)	
156	7-685-103-14	SCREW (2X5), + PWT		166	*4-918-612-01	CUSHION (LEFT)	
157	4-917-561-11	CHASSIS (OUTSERT), LOADING		167	A-4665-013-A	TABLE ASSY, DISK	
158	7-621-775-40	SCREW +8 2.6X8		168	A-4681-006-A	ARM ASSY, CHUCKING	
159	7-685-793-04	SCREW +BVTT 2.6X8 (S)		911	*1-620-098-11	PC BOARD, LOADING MOTOR	
160	4-910-402-01	GEAR (2), LOADING		M3	A-4608-320-A	MOTOR ASSY, L	
				S2	1-570-203-11	SWITCH, LEAF	

No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
201	4-917-508-01	HOLDER, SP		208	4-917-567-01	GEAR (M)	
202	7-685-535-19	SCREW +BTP 2.6X10 TYPE2 N-S		209	7-621-255-15	SCREW +P 2X3	
203	4-917-507-01	SPRING (H)		912	*1-620-097-11	PC BOARD SL/SP MOTOR	
204	4-917-541-01	SPRING (B)		913	X-4917-051-1	DEVICE, OPTICS (KSS-150A)	
205	4-917-562-01	INSULATOR		M1	X-4917-505-1	ASSY, MOTOR (SPINDLE)	
206	4-917-564-11	GEAR (P)		M2	X-4917-504-1	ASSY, MOTOR (SLED)	
207	4-917-565-01	SHAFT, SLED		S1	1-570-822-11	SWITCH, LEAF	