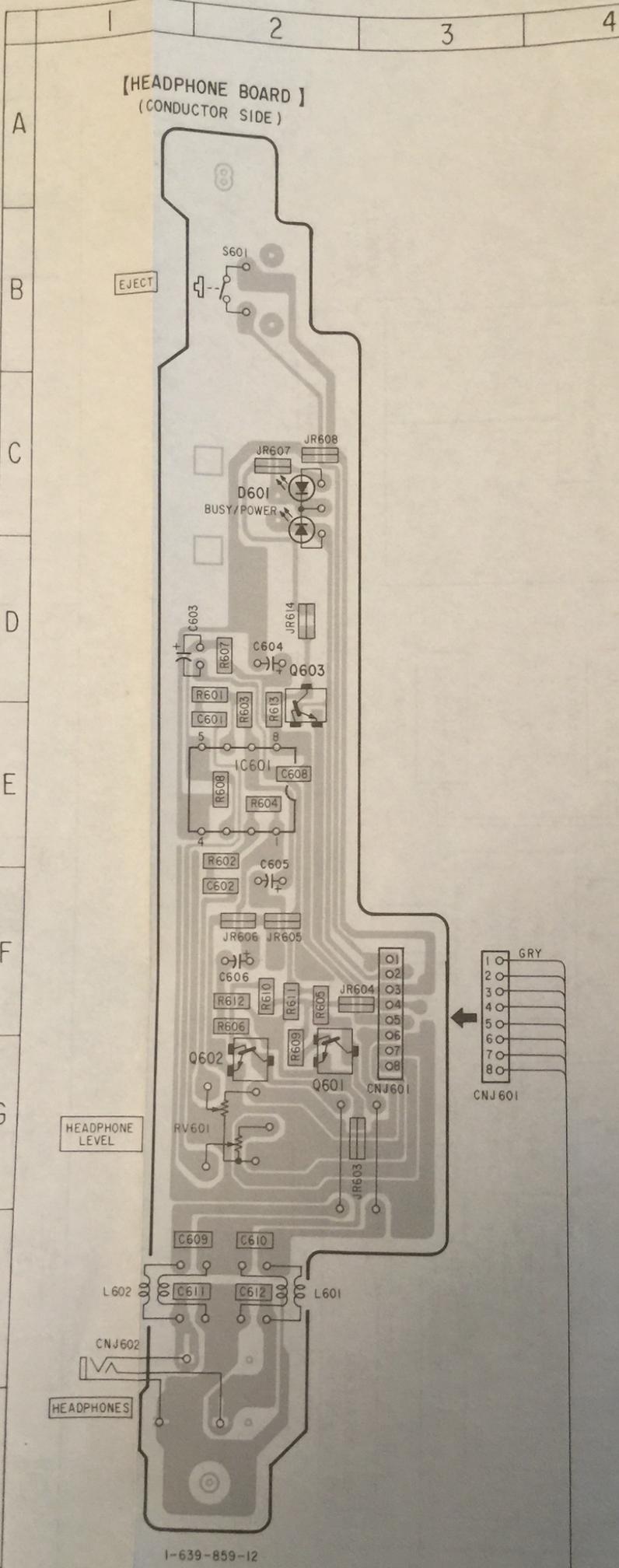
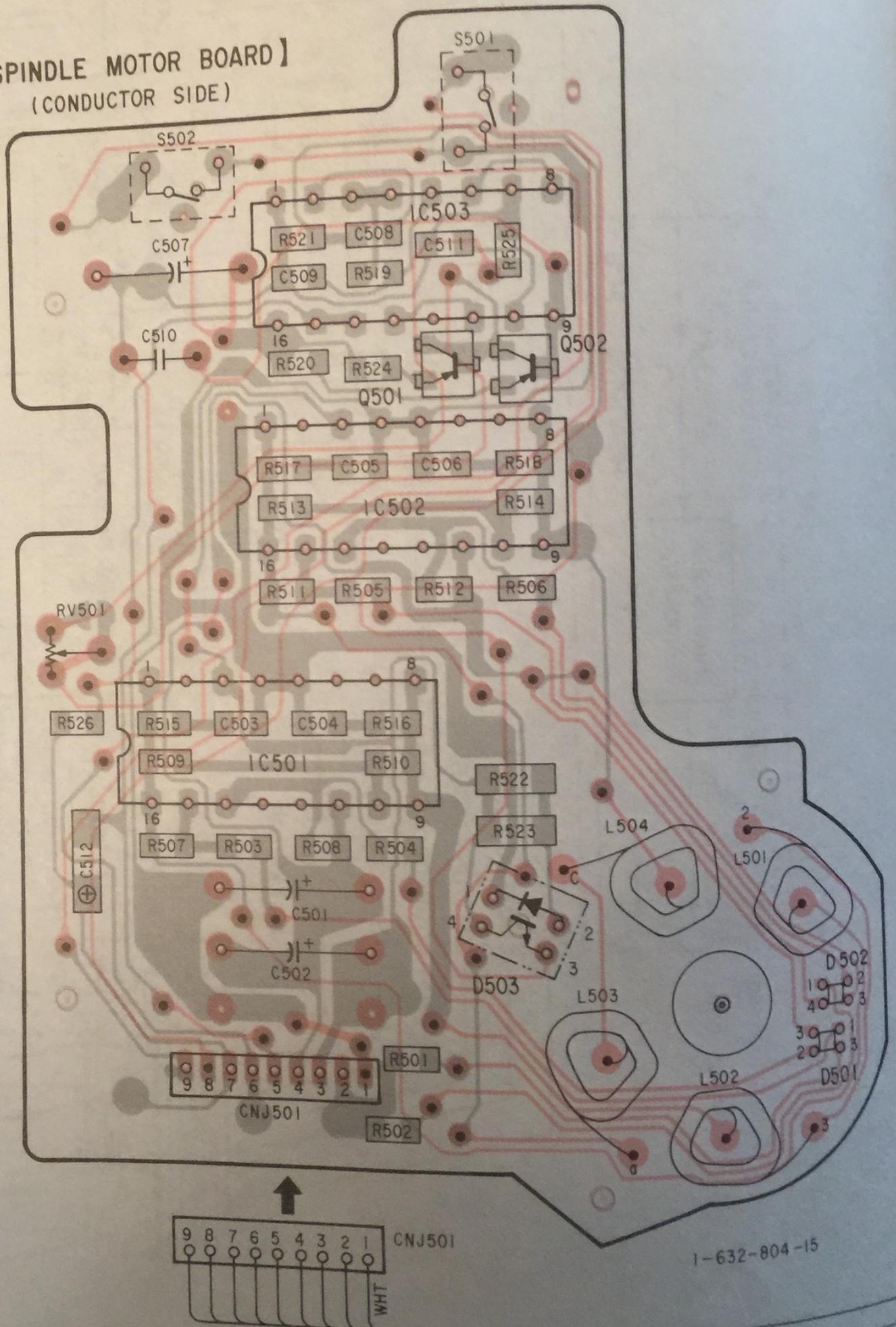
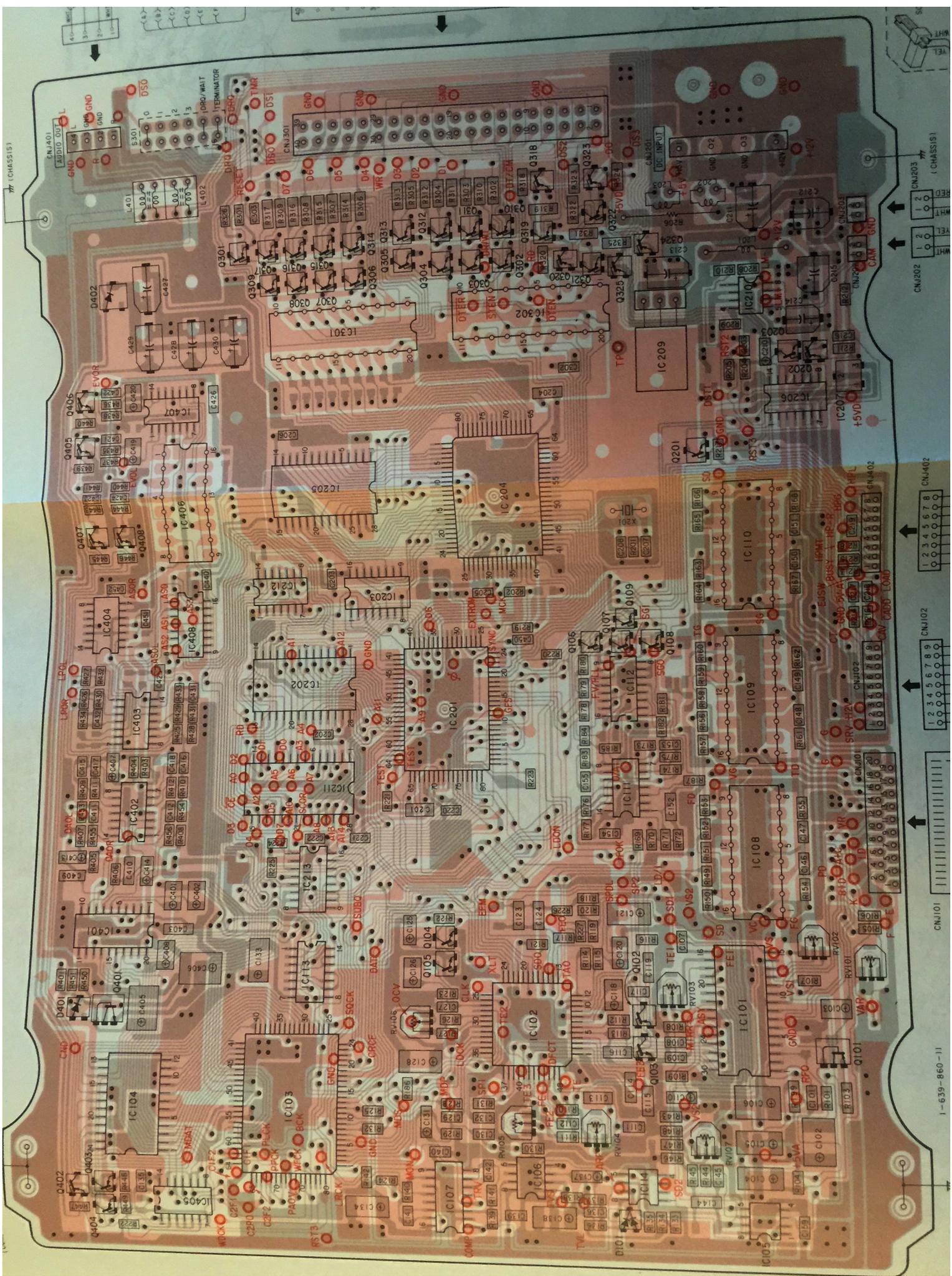


[HEADPHONE BOARD]
(CONDUCTOR SIDE)



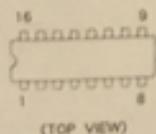
[SPINDLE MOTOR BOARD] (CONDUCTOR SIDE)



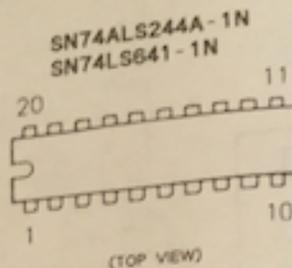
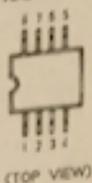


• Semiconductor Lead Layouts.

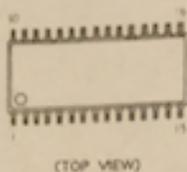
BA6321
TAB406P
TC9154AP



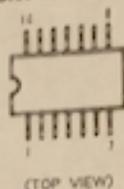
LF353M
MB3763PF
RC3403AM
RC3404AM



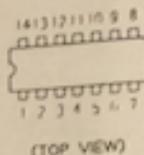
CXA1081M



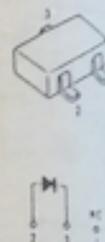
MC14066BF
SN74HC00ANS
SN74LS048NS



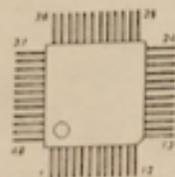
SN74HC132NS



RD6.2M-B1



CXA1182Q-Z



M5F78M05L



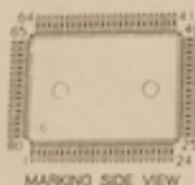
FA1L3Z-L37
2SA1162-G
2SC3398
2SC3624A-L15
2SA1344



LN142WP34



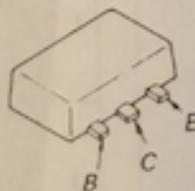
CXD1135Q
LC8951
M37540S1FP



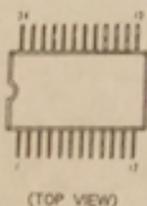
NJM3414D
 μ PC311G2



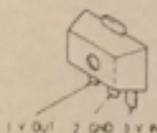
2SB798-DL
2SD999-CLCK



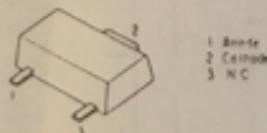
CXK5816M-12L
CXK5816M-15L
PCM67U



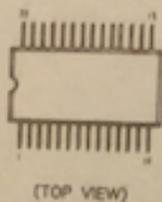
RH5VA43A



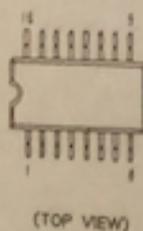
E10DS2



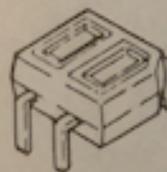
CXK58648M-12L
CXK38256-111M
MB81C79A-45PF



SN74ALS139NS
SN74ALS175ANS
 μ PD4053BG
 μ PD74HC123AG



GP2S09-C



SECTION 6 ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μ F, PF: μ uF.

RESISTORS

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H.

SEMICONDUCTORS
In each case, U: μ , for example:
UA...: μ A..., UPA...: μ PA...,
UPC...: μ PC..., UPD...: μ PD...

The components identified by mark Δ or dotted line with mark Δ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board name.

Ref. No.	Part No.	Description
	A-4646-571-A	MOUNTED PCB, MAIN ★★★★★★★
		<u>CAPACITOR</u>
C101	1-164-161-11	CERAMIC CHIP 0.0022MF 10% 100V
C102	1-135-166-21	TANTAL. CHIP 47MF 20% 10V
C103	1-135-156-21	TANTAL. CHIP 6.8MF 10% 10V
C104	1-135-161-21	TANTAL. CHIP 22MF 20% 10V
C105	1-135-161-21	TANTAL. CHIP 22MF 20% 10V
C106	1-135-166-21	TANTAL. CHIP 47MF 20% 10V
C107	1-163-989-11	CERAMIC CHIP 0.033MF 10% 25V
C108	1-163-989-11	CERAMIC CHIP 0.033MF 10% 25V
C109	1-164-232-11	CERAMIC CHIP 0.01MF 10% 100V
C110	1-135-145-11	TANTAL. CHIP 0.47MF 20% 35V
C111	1-164-161-11	CERAMIC CHIP 0.0022MF 10% 100V
C112	1-164-161-11	CERAMIC CHIP 0.0022MF 10% 100V
C113	1-163-075-00	CERAMIC CHIP 0.047MF 50V
C114	1-163-077-00	CERAMIC CHIP 0.1MF 50V
C115	1-163-077-00	CERAMIC CHIP 0.1MF 50V
C116	1-163-077-00	CERAMIC CHIP 0.1MF 10% 50V
C117	1-163-037-11	CERAMIC CHIP 0.022MF 10% 25V
C118	1-135-155-21	TANTAL. CHIP 4.7MF 10% 16V
C119	1-163-077-00	CERAMIC CHIP 0.1MF 50V
C120	1-135-092-21	TANTAL. CHIP 3.3MF 20% 16V
C121	1-135-161-21	TANTAL. CHIP 22MF 20% 10V
C123	1-164-298-11	CERAMIC CHIP 0.15MF 10% 25V
C124	1-164-298-11	CERAMIC CHIP 0.15MF 10% 25V
C125	1-135-181-21	TANTAL. CHIP 4.7MF 20% 6.3V
C126	1-135-155-21	TANTAL. CHIP 4.7MF 10% 16V
C127	1-163-017-00	CERAMIC CHIP 0.0047MF 10% 50V
C128	1-135-161-21	TANTAL. CHIP 22MF 20% 10V
C129	1-163-141-00	CERAMIC CHIP 0.001MF 5% 50V
C130	1-163-989-11	CERAMIC CHIP 0.033MF 10% 25V
C131	1-135-145-11	TANTAL. CHIP 0.47MF 20% 35V
C132	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C133	1-135-161-21	TANTAL. CHIP 22MF 20% 10V
C134	1-135-161-21	TANTAL. CHIP 22MF 20% 10V
C135	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C136	1-163-263-11	CERAMIC CHIP 330PF 5% 50V
C137	1-135-145-11	TANTAL. CHIP 0.47MF 20% 35V
C138	1-135-159-21	TANTAL. CHIP 10MF 25V
C139	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C140	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C141	1-163-139-00	CERAMIC CHIP 820PF 5% 50V
C142	1-164-232-11	CERAMIC CHIP 0.01MF 10% 100V
C144	1-164-299-11	CERAMIC CHIP 0.22MF 10% 25V
C145	1-163-017-00	CERAMIC CHIP 0.0047MF 10% 50V
C146	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C147	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C148	1-163-038-00	CERAMIC CHIP 0.1MF 25V

Ref. No.	Part No.	Description
C149	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C150	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C151	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C152	1-163-077-00	CERAMIC CHIP 0.1MF 50V
C153	1-164-161-11	CERAMIC CHIP 0.0022MF 10% 100V
C154	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C155	1-163-113-00	CERAMIC CHIP 68PF 5% 50V
C159	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C201	1-162-638-11	CERAMIC CHIP 1MF 16V
C202	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C203	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C204	1-162-638-11	CERAMIC CHIP 1MF 16V
C205	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C206	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C207	1-163-235-11	CERAMIC CHIP 22PF 5% 50V
C208	1-163-235-11	CERAMIC CHIP 22PF 5% 50V
C210	1-135-091-00	TANTAL. CHIP 1MF 20% 16V
C211	1-126-204-11	ELECT CHIP 47MF 20% 16V
C212	1-126-204-11	ELECT CHIP 47MF 20% 16V
C213	1-124-779-00	ELECT CHIP 10MF 20% 16V
C214	1-124-779-00	ELECT CHIP 10MF 20% 16V
C215	1-126-204-11	ELECT CHIP 47MF 20% 16V
C216	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C217	1-164-232-11	CERAMIC CHIP 0.01MF 10% 100V
C218	1-164-232-11	CERAMIC CHIP 0.01MF 10% 100V
C219	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C220	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C221	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C222	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C301	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C302	1-163-038-00	CERAMIC CHIP 0.1MF 25V
C303	1-163-141-00	CERAMIC CHIP 0.001MF 5% 50V
C401	1-135-092-21	TANTAL. CHIP 3.3MF 20% 16V
C402	1-135-092-21	TANTAL. CHIP 3.3MF 20% 16V
C403	1-162-638-11	CERAMIC CHIP 1MF 16V
C405	1-135-164-21	TANTAL. CHIP 22MF 10% 20V
C406	1-135-164-21	TANTAL. CHIP 22MF 10% 20V
C407	1-135-145-11	TANTAL. CHIP 0.47MF 20% 35V
C408	1-135-092-21	TANTAL. CHIP 3.3MF 20% 16V
C409	1-162-638-11	CERAMIC CHIP 1MF 16V
C410	1-162-638-11	CERAMIC CHIP 1MF 16V
C411	1-163-145-00	CERAMIC CHIP 0.0015MF 5% 50V
C412	1-163-145-00	CERAMIC CHIP 0.0015MF 5% 50V
C413	1-135-181-21	TANTAL. CHIP 4.7MF 20% 6.3V
C414	1-135-181-21	TANTAL. CHIP 4.7MF 20% 6.3V
C415	1-163-145-00	CERAMIC CHIP 0.0015MF 5% 50V
C416	1-163-145-00	CERAMIC CHIP 0.0015MF 5% 50V
C417	1-163-125-00	CERAMIC CHIP 220PF 5% 50V
C418	1-163-125-00	CERAMIC CHIP 220PF 5% 50V
C419	1-135-155-21	TANTAL. CHIP 4.7MF 10% 16V
C420	1-135-155-21	TANTAL. CHIP 4.7MF 10% 16V

Ref. No. Part No.

Description

C421	1-164-232-11	CERAMIC CHIP	0.01MF	10%	100V
C422	1-164-232-11	CERAMIC CHIP	0.01MF	10%	100V
C423	1-162-587-11	CERAMIC CHIP	0.039MF	10%	25V
C424	1-162-587-11	CERAMIC CHIP	0.039MF	10%	25V
C425	1-162-638-11	CERAMIC CHIP	1MF		16V
C426	1-162-638-11	CERAMIC CHIP	1MF		16V
C427	1-126-206-11	ELECT CHIP	100MF	20%	6.3V
C428	1-126-206-11	ELECT CHIP	100MF	20%	6.3V
C429	1-126-206-11	ELECT CHIP	100MF	20%	6.3V
C430	1-126-206-11	ELECT CHIP	100MF	20%	6.3V
C431	1-163-101-00	CERAMIC CHIP	22PF	5%	50V
C432	1-163-101-00	CERAMIC CHIP	22PF	5%	50V
C440	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C450	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C451	1-164-346-11	CERAMIC CHIP	1MF		16V
C452	1-164-346-11	CERAMIC CHIP	1MF		16V

CONNECTOR

CNJ101	1-565-194-11	HOUSING, CONNECTOR 20P
CNJ102	*1-566-764-11	PIN, CONNECTOR (PC BOARD) 9P
CNJ201	1-506-676-11	PIN, CONNECTOR
CNJ202	1-566-757-11	PIN, CONNECTOR (PC BOARD) 2P
CNJ203	1-566-757-11	PIN, CONNECTOR (PC BOARD) 2P
CNJ301	*1-569-832-11	PIN, CONNECTOR (PC BOARD) 40P
CNJ302	1-569-972-11	SOCKET, SHORT 2P
CNJ303	1-569-972-11	SOCKET, SHORT 2P
CNJ304	1-569-972-11	SOCKET, SHORT 2P
CNJ401	*1-508-847-00	PIN, CONNECTOR 4P
CNJ402	*1-566-763-11	PIN, CONNECTOR (PC BOARD) 8P

DIODES

D101	8-719-400-18	MA152WK
D401	8-719-105-99	RD6. 2M-B1
D402	8-719-200-27	E10DS2

ICS

IC101	8-752-050-19	CXA1081M
IC102	8-752-037-48	CXA11820-Z
IC103	8-752-328-45	CXD11350
IC104	8-752-323-64	CXK5816M-12L
IC105	8-759-981-78	RC3404AM
IC106	8-759-101-12	UPC311G2
IC107	8-759-106-81	UPD74HC123AG
IC108	8-759-208-96	TA8406P
IC109	8-759-208-96	TA8406P
IC110	8-759-208-96	TA8406P
IC111	8-759-981-75	RC3403AM
IC112	8-759-103-25	UPD40538G
IC113	8-759-927-46	SN74HC00ANS
IC114	8-759-970-68	LF353M
IC201	8-759-635-80	M37450S1FP
IC202	8-752-331-00	CXK5864BM-12L
IC203	8-759-984-63	SN74ALS139NS
IC204	8-759-822-28	LC8951
IC205	8-759-986-91	MB81C79A-45PF
IC206	8-759-926-07	SN74HC132NS
IC207	8-759-979-65	RH5VA43A
IC209	8-759-604-35	M5F78M05L
IC210	8-759-908-81	MB3763PF
IC211	8-752-347-59	CXK38256-111M
IC212	8-759-946-65	SN74ALS04BNS
IC213	8-759-103-25	UPD40538G
IC301	8-759-909-48	SN74LS641-1N
IC302	8-759-912-20	SN74ALS244A-1N
IC401	8-759-506-63	PCM67U
IC402	8-759-981-75	RC3403AM
IC403	8-759-008-67	MC14066BF
IC404	8-759-981-75	RC3403AM
IC405	8-759-927-46	SN74HC00ANS

Ref. No. Part No.

Description

IC406	8-759-230-05	TC9154AP
IC407	8-759-981-75	RC3403AM
IC408	8-759-926-29	SN74HC175ANS

COILS

L201	1-408-068-00	INDUCTOR 33UH
L202	1-412-694-11	INDUCTOR, BEED
L203	1-412-694-11	INDUCTOR, BEED
L401	1-424-102-11	COIL, LINE FILTER
L402	1-424-102-11	COIL, LINE FILTER

TRANSISTORS

Q101	8-729-101-07	2S8798-DL
Q102	8-729-805-65	2SA1344
Q103	8-729-113-26	FA1L3Z-L37
Q104	8-729-805-41	2SC3398
Q105	8-729-805-41	2SC3398
Q106	8-729-805-41	2SC3398
Q107	8-729-805-41	2SC3398
Q108	8-729-805-41	2SC3398
Q109	8-729-805-65	2SA1344
Q201	8-729-805-65	2SA1344
Q202	8-729-805-65	2SA1344
Q203	8-729-805-41	2SC3398
Q301	8-729-805-65	2SA1344
Q302	8-729-805-41	2SC3398
Q303	8-729-805-41	2SC3398
Q304	8-729-805-41	2SC3398
Q305	8-729-805-41	2SC3398
Q306	8-729-805-41	2SC3398
Q307	8-729-805-41	2SC3398
Q308	8-729-805-41	2SC3398
Q309	8-729-805-41	2SC3398
Q310	8-729-805-65	2SA1344
Q311	8-729-805-65	2SA1344
Q312	8-729-805-65	2SA1344
Q313	8-729-805-65	2SA1344
Q314	8-729-805-65	2SA1344
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Q317	8-729-805-65	2SA1344
Q318	8-729-805-65	2SA1344
Q319	8-729-805-65	2SA1344
Q320	8-729-805-65	2SA1344
Q321	8-729-805-65	2SA1344
Q322	8-729-805-65	2SA1344
Q323	8-729-805-65	2SA1344
Q324	8-729-805-65	2SA1344
Q325	8-729-805-65	2SA1344
Q401	8-729-140-75	2SD999-CLCK
Q402	8-729-216-22	2SA1162-G
Q403	8-729-216-22	2SA1162-G
Q404	8-729-216-22	2SA1162-G
Q405	8-729-107-46	2SC3624A-L15
Q406	8-729-107-46	2SC3624A-L15
Q407	8-729-107-46	2SC3624A-L15
Q408	8-729-107-46	2SC3624A-L15

RESISTOR

R101	1-216-684-11	METAL CHIP	24K	0.50%	1/10W
R103	1-216-296-00	METAL GLAZE CHIP	0	5%	1/8W
R104	1-216-049-00	METAL GLAZE CHIP	1K	5%	1/10W
R105	1-216-022-00	METAL GLAZE CHIP	75	5%	1/10W
R106	1-216-015-00	METAL GLAZE CHIP	39	5%	1/10W
R107	1-216-081-00	METAL GLAZE CHIP	22K	5%	1/10W
R108	1-216-073-00	METAL GLAZE CHIP	10K	5%	1/10W
R109	1-216-073-00	METAL GLAZE CHIP	10K	5%	1/10W
R110	1-216-081-00	METAL GLAZE CHIP	22K	5%	1/10W

Ref. No.	Part No.	Description			
R111	1-216-081-00	METAL GLAZE CHIP	22K		
R112	1-216-097-00	METAL GLAZE CHIP	100K	5%	1/10W
R113	1-216-113-00	METAL GLAZE CHIP	470K	5%	1/10W
R114	1-216-097-00	METAL GLAZE CHIP	100K	5%	1/10W
R115	1-216-095-00	METAL GLAZE CHIP	82K	5%	1/10W
R116	1-216-077-00	METAL GLAZE CHIP			
R117	1-216-686-11	METAL CHIP	15K	5%	1/10W
R118	1-216-686-11	METAL CHIP	30K	0.50%	1/10W
R119	1-216-691-11	METAL CHIP	30K	0.50%	1/10W
R120	1-216-691-11	METAL CHIP	47K	0.50%	1/10W
R121	1-216-115-00	METAL GLAZE CHIP			
R122	1-216-073-00	METAL GLAZE CHIP	560K	5%	1/10W
R123	1-216-097-00	METAL GLAZE CHIP	10K	5%	1/10W
R124	1-216-699-11	METAL CHIP	100K	5%	1/10W
R125	1-216-699-11	METAL CHIP	100K	0.50%	1/10W
R126	1-218-761-11	METAL CHIP			
R127	1-216-062-00	METAL GLAZE CHIP	240K	0.50%	1/10W
R128	1-216-081-00	METAL GLAZE CHIP	3.6K	5%	1/10W
R129	1-216-121-00	METAL GLAZE CHIP	22K	5%	1/10W
R130	1-216-081-00	METAL GLAZE CHIP	1M	5%	1/10W
R131	1-216-097-00	METAL GLAZE CHIP	22K	5%	1/10W
R132	1-216-097-00	METAL GLAZE CHIP	100K	5%	1/10W
R133	1-216-083-00	METAL GLAZE CHIP	27K	5%	1/10W
R134	1-216-081-00	METAL GLAZE CHIP	22K	5%	1/10W
R135	1-216-079-00	METAL GLAZE CHIP	18K	5%	1/10W
R136	1-216-097-00	METAL GLAZE CHIP	100K	5%	1/10W
R137	1-216-089-00	METAL GLAZE CHIP	47K	5%	1/10W
R138	1-216-073-00	METAL GLAZE CHIP	10K	5%	1/10W
R139	1-216-065-00	METAL GLAZE CHIP	4.7K	5%	1/10W
R140	1-216-674-11	METAL CHIP	9.1K	0.50%	1/10W
R141	1-216-105-00	METAL GLAZE CHIP	220K	5%	1/10W
R142	1-216-073-00	METAL GLAZE CHIP	10K	5%	1/10W
R143	1-216-075-00	METAL GLAZE CHIP	12K	5%	1/10W
R144	1-216-117-00	METAL GLAZE CHIP	680K	5%	1/10W
R145	1-216-089-00	METAL GLAZE CHIP	47K	5%	1/10W
R146	1-216-113-00	METAL GLAZE CHIP	470K	5%	1/10W
R147	1-216-113-00	METAL GLAZE CHIP	470K	5%	1/10W
R148	1-216-081-00	METAL GLAZE CHIP	22K	5%	1/10W
R149	1-216-083-00	METAL GLAZE CHIP	27K	5%	1/10W
R150	1-216-691-11	METAL CHIP	47K	0.50%	1/10W
R151	1-216-687-11	METAL CHIP	33K	0.50%	1/10W
R152	1-216-081-00	METAL GLAZE CHIP	22K	5%	1/10W
R153	1-216-081-00	METAL GLAZE CHIP	22K	5%	1/10W
R154	1-216-001-00	METAL GLAZE CHIP	10	5%	1/10W
R155	1-216-001-00	METAL GLAZE CHIP	10	5%	1/10W
R156	1-216-083-00	METAL GLAZE CHIP	27K	5%	1/10W
R157	1-216-691-11	METAL CHIP	47K	0.50%	1/10W
R158	1-216-687-11	METAL CHIP	33K	0.50%	1/10W
R159	1-216-081-00	METAL GLAZE CHIP	22K	5%	1/10W
R160	1-216-081-00	METAL GLAZE CHIP	22K	5%	1/10W
R161	1-216-001-00	METAL GLAZE CHIP	10	5%	1/10W
R162	1-216-001-00	METAL GLAZE CHIP	10	5%	1/10W
R163	1-216-083-00	METAL GLAZE CHIP	27K	5%	1/10W
R164	1-216-691-11	METAL CHIP	47K	0.50%	1/10W
R165	1-216-081-00	METAL GLAZE CHIP	22K	5%	1/10W
R166	1-216-081-00	METAL GLAZE CHIP	22K	5%	1/10W
R167	1-216-001-00	METAL GLAZE CHIP	10	5%	1/10W
R168	1-216-001-00	METAL GLAZE CHIP	10	5%	1/10W
R169	1-216-107-00	METAL GLAZE CHIP	270K	5%	1/10W
R170	1-216-109-00	METAL GLAZE CHIP	330K	5%	1/10W
R171	1-216-113-00	METAL GLAZE CHIP	470K	5%	1/10W
R172	1-216-103-00	METAL GLAZE CHIP	180K	5%	1/10W
R173	1-216-113-00	METAL GLAZE CHIP	470K	5%	1/10W
R174	1-216-689-11	METAL CHIP	39K	0.50%	1/10W
R175	1-216-113-00	METAL GLAZE CHIP	470K	5%	1/10W
R176	1-216-687-11	METAL CHIP	33K	0.50%	1/10W
R177	1-216-691-11	METAL CHIP	47K	0.50%	1/10W

Ref. No.	Part No.	Description			
R178	1-216-073-00	METAL GLAZE CHIP	10K	5%	1/10W
R179	1-216-073-00	METAL GLAZE CHIP	10K	5%	1/10W
R180	1-216-073-00	METAL GLAZE CHIP	10K	5%	1/10W
R181	1-216-079-00	METAL GLAZE CHIP	18K	5%	1/10W
R182	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R183	1-216-691-11	METAL CHIP			
R184	1-216-680-11	METAL CHIP	47K	0.50%	1/10W
R185	1-216-095-00	METAL GLAZE CHIP	16K	0.50%	1/10W
R186	1-216-073-00	METAL GLAZE CHIP	82K	5%	1/10W
R187	1-218-753-91	METAL CHIP	10K	5%	1/10W
R199	1-218-921-11	METAL GLAZE CHIP	110K	0.50%	1/10W
R201	1-216-121-00	METAL GLAZE CHIP	10	1%	1/8W
R202	1-216-295-00	METAL GLAZE CHIP	1M	5%	1/10W
R203	1-216-097-00	METAL GLAZE CHIP	0	5%	1/10W
R204	1-216-105-00	METAL GLAZE CHIP	100K	5%	1/10W
R205	1-216-073-00	METAL GLAZE CHIP	220K	5%	1/10W
R206	1-216-446-00	METAL OXIDE	10K	5%	1/10W
R208	1-216-049-00	METAL GLAZE CHIP	18	5%	2W F
R209	1-216-049-00	METAL GLAZE CHIP	1K	5%	1/10W
R210	1-216-073-00	METAL GLAZE CHIP	1K	5%	1/10W
R211	1-216-062-00	METAL GLAZE CHIP	10K	5%	1/10W
R212	1-216-033-00	METAL GLAZE CHIP	3.6K	5%	1/10W
R213	1-216-073-00	METAL GLAZE CHIP	220	5%	1/10W
R214	1-216-049-00	METAL GLAZE CHIP	10K	5%	1/10W
R215	1-216-073-00	METAL GLAZE CHIP	1K	5%	1/10W
R216	1-216-049-00	METAL GLAZE CHIP	10K	5%	1/10W
R217	1-216-033-00	METAL GLAZE CHIP	1K	5%	1/10W
R218	1-216-049-00	METAL GLAZE CHIP	220	5%	1/10W
R219	1-216-073-00	METAL GLAZE CHIP	1K	5%	1/10W
R220	1-216-073-00	METAL GLAZE CHIP	10K	5%	1/10W
R221	1-216-073-00	METAL GLAZE CHIP	10K	5%	1/10W
R222	1-216-097-00	METAL GLAZE CHIP	10K	5%	1/10W
R223	1-216-097-00	METAL GLAZE CHIP	100K	5%	1/10W
R224	1-216-073-00	METAL GLAZE CHIP	10K	5%	1/10W
R225	1-216-073-00	METAL GLAZE CHIP	10K	5%	1/10W
R226	1-216-295-00	METAL GLAZE CHIP	0	5%	1/10W
R227	1-216-295-00	METAL GLAZE CHIP	0	5%	1/10W
R301	1-216-065-00	METAL GLAZE CHIP	4.7K	5%	1/10W
R302	1-216-186-00	METAL GLAZE CHIP	330	5%	1/8W
R303	1-216-186-00	METAL GLAZE CHIP	330	5%	1/8W
R304	1-216-186-00	METAL GLAZE CHIP	330	5%	1/8W
R305	1-216-186-00	METAL GLAZE CHIP	330	5%	1/8W
R306	1-216-186-00	METAL GLAZE CHIP	330	5%	1/8W
R307	1-216-186-00	METAL GLAZE CHIP	330	5%	1/8W
R308	1-216-186-00	METAL GLAZE CHIP	330	5%	1/8W
R309	1-216-186-00	METAL GLAZE CHIP	330	5%	1/8W
R310	1-216-182-00	METAL GLAZE CHIP	220	5%	1/8W
R311	1-216-182-00	METAL GLAZE CHIP	220	5%	1/8W
R312	1-216-182-00	METAL GLAZE CHIP	220	5%	1/8W
R313	1-216-182-00	METAL GLAZE CHIP	220	5%	1/8W
R314	1-216-182-00	METAL GLAZE CHIP	220	5%	1/8W
R315	1-216-182-00	METAL GLAZE CHIP	220	5%	1/8W
R316	1-216-182-00	METAL GLAZE CHIP	220	5%	1/8W
R317	1-216-182-00	METAL GLAZE CHIP	220	5%	1/8W
R318	1-216-178-00	METAL GLAZE CHIP	150	5%	1/8W
R319	1-216-178-00	METAL GLAZE CHIP	150	5%	1/8W
R320	1-216-178-00	METAL GLAZE CHIP	150	5%	1/8W
R321	1-216-178-00	METAL GLAZE CHIP	150	5%	1/8W
R322	1-216-178-00	METAL GLAZE CHIP	150	5%	1/8W
R323	1-216-178-00	METAL GLAZE CHIP	150	5%	1/8W
R324	1-216-178-00	METAL GLAZE CHIP	150	5%	1/8W
R325	1-216-178-00	METAL GLAZE CHIP	150	5%	1/8W
R326	1-216-073-00	METAL GLAZE CHIP	150	5%	1/10W
R401	1-216-069-00	METAL GLAZE CHIP	6.8K	5%	1/10W
R403	1-216-105-00	METAL GLAZE CHIP	220K	5%	1/10W
R404	1-216-103-00	METAL GLAZE CHIP	180K	5%	1/10W
R405	1-216-051-00	METAL GLAZE CHIP	1.2K	5%	1/10W

Ref. No.	Part No.	Description			
R406	1-216-051-00	METAL GLAZE CHIP	1.2K	5%	1/10W
R407	1-216-033-00	METAL GLAZE CHIP	220	5%	1/10W
R408	1-216-033-00	METAL GLAZE CHIP	220	5%	1/10W
R409	1-216-075-00	METAL GLAZE CHIP	12K	5%	1/10W
R410	1-216-075-00	METAL GLAZE CHIP	12K	5%	1/10W
R411	1-216-075-00	METAL GLAZE CHIP	12K	5%	1/10W
R412	1-216-075-00	METAL GLAZE CHIP	12K	5%	1/10W
R425	1-216-096-00	METAL GLAZE CHIP	91K	5%	1/10W
R426	1-216-096-00	METAL GLAZE CHIP	91K	5%	1/10W
R427	1-216-096-00	METAL GLAZE CHIP	91K	5%	1/10W
R428	1-216-096-00	METAL GLAZE CHIP	91K	5%	1/10W
R429	1-216-097-00	METAL GLAZE CHIP	100K	5%	1/10W
R430	1-216-097-00	METAL GLAZE CHIP	100K	5%	1/10W
R431	1-216-097-00	METAL GLAZE CHIP	100K	5%	1/10W
R432	1-216-097-00	METAL GLAZE CHIP	100K	5%	1/10W
R433	1-216-121-00	METAL GLAZE CHIP	1M	5%	1/10W
R434	1-216-121-00	METAL GLAZE CHIP	1M	5%	1/10W
R435	1-216-089-00	METAL GLAZE CHIP	47K	5%	1/10W
R436	1-216-089-00	METAL GLAZE CHIP	47K	5%	1/10W
R437	1-216-048-00	METAL GLAZE CHIP	910	5%	1/10W
R438	1-216-048-00	METAL GLAZE CHIP	910	5%	1/10W
R439	1-216-065-00	METAL GLAZE CHIP	4.7K	5%	1/10W
R440	1-216-065-00	METAL GLAZE CHIP	4.7K	5%	1/10W
R441	1-216-037-00	METAL GLAZE CHIP	330	5%	1/10W
R442	1-216-037-00	METAL GLAZE CHIP	330	5%	1/10W
R443	1-216-121-00	METAL GLAZE CHIP	1M	5%	1/10W
R444	1-216-121-00	METAL GLAZE CHIP	1M	5%	1/10W
R445	1-216-065-00	METAL GLAZE CHIP	4.7K	5%	1/10W
R446	1-216-065-00	METAL GLAZE CHIP	4.7K	5%	1/10W
R447	1-216-089-00	METAL GLAZE CHIP	47K	5%	1/10W
R448	1-216-089-00	METAL GLAZE CHIP	47K	5%	1/10W
R449	1-216-089-00	METAL GLAZE CHIP	47K	5%	1/10W
R450	1-216-025-00	METAL GLAZE CHIP	100	5%	1/10W
R451	1-216-025-00	METAL GLAZE CHIP	100	5%	1/10W
R453	1-216-053-00	METAL GLAZE CHIP	1.5K	5%	1/10W
R454	1-216-053-00	METAL GLAZE CHIP	1.5K	5%	1/10W
R455	1-216-048-00	METAL GLAZE CHIP	910	5%	1/10W
R456	1-216-048-00	METAL GLAZE CHIP	910	5%	1/10W

VARIABLE RESISTORS

RV101	1-237-001-21	RES. ADJ. METAL GLAZE 1K			
RV102	1-237-013-21	RES. ADJ. METAL GLAZE 22K			
RV103	1-237-016-21	RES. ADJ. METAL GLAZE 220K			
RV104	1-237-013-21	RES. ADJ. METAL GLAZE 22K			
RV105	1-237-013-21	RES. ADJ. METAL GLAZE 22K			
RV106	1-237-001-21	RES. ADJ. METAL GLAZE 1K			
RV107	1-237-016-21	RES. ADJ. METAL GLAZE 220K			

SWITCHES

S301 #1-569-828-11 PIN, CONNECTOR 12P

CRYSTALS

X201 1-567-908-11 VIBRATOR, CRYSTAL

MOUNTED PCB, HEADPHONE

#1-639-859-12 PC BOARD, HEADPHONE
4-946-652-01 HOLDER, LED

B601 4-930-086-01 KNOB, VOLUME
B602 7-627-850-67 SCREW, PRECISION +P 1.4X4

CAPACITORS

C601	1-163-038-00	CERAMIC CHIP	0.1MF	25V	
C602	1-163-038-00	CERAMIC CHIP	0.1MF	25V	

Ref. No.	Part No.	Description			
C603	1-126-301-11	ELECT	1MF	20%	50V
C604	1-126-177-11	ELECT	100MF	20%	10V
C605	1-126-177-11	ELECT	100MF	20%	10V
C606	1-126-177-11	ELECT	100MF	20%	10V
C608	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C609	1-164-232-11	CERAMIC CHIP	0.01MF	10%	100V
C610	1-164-232-11	CERAMIC CHIP	0.01MF	10%	100V
C611	1-164-232-11	CERAMIC CHIP	0.01MF	10%	100V
C612	1-164-232-11	CERAMIC CHIP	0.01MF	10%	100V

CONNECTORS

CNJ601 1-565-880-11 PIN, CONNECTOR (PC BOARD) 8P
CNJ602 1-563-280-11 JACK

DIODE

D601 8-719-421-89 LN142WP34

IC

IC601 8-759-701-43 NJM3414D

JUMPER RESISTORS

JR603	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR604	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR605	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR606	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR607	1-216-295-00	METAL GLAZE	0	5%	1/10W
JR608	1-216-295-00	METAL GLAZE	0	5%	1/10W

COILS

L601 1-424-102-11 COIL, LINE FILTER
L602 1-424-102-11 COIL, LINE FILTER

TRANSISTORS

O601 8-729-107-46 2SC3624A-L15
O602 8-729-107-46 2SC3624A-L15
O603 8-729-805-41 2SC3398

RESISTORS

R601	1-216-097-00	METAL GLAZE CHIP	100K	5%	1/10W
R602	1-216-097-00	METAL GLAZE CHIP	100K	5%	1/10W
R603	1-216-105-00	METAL GLAZE CHIP	220K	5%	1/10W
R604	1-216-105-00	METAL GLAZE CHIP	220K	5%	1/10W
R605	1-216-013-00	METAL GLAZE CHIP	33	5%	1/10W
R606	1-216-013-00	METAL GLAZE CHIP	33	5%	1/10W
R607	1-216-105-00	METAL GLAZE CHIP	220K	5%	1/10W
R608	1-216-105-00	METAL GLAZE CHIP	220K	5%	1/10W
R609	1-216-067-00	METAL GLAZE CHIP	5.6K	5%	1/10W
R610	1-216-067-00	METAL GLAZE CHIP	5.6K	5%	1/10W
R611	1-216-073-00	METAL GLAZE CHIP	10K	5%	1/10W
R612	1-216-073-00	METAL GLAZE CHIP	10K	5%	1/10W
R613	1-216-049-00	METAL GLAZE CHIP	1K	5%	1/10W
R614	1-216-295-00	METAL GLAZE CHIP	0	5%	1/10W

VARIABLE RESISTOR

RV601 1-238-754-11 RES. VAR. CARBON 20K/20K

SWITCH

S601 1-554-088-00 SWITCH, KEY BOARD

A-4656-051-B MOUNTED PCB, SPINDLE MOTOR

CAPACITORS

C503	1-163-038-00	CERAMIC CHIP	0.1MF	25V	
C504	1-163-038-00	CERAMIC CHIP	0.1MF	25V	

Ref. No.	Part No.	Description			
CS05	1-163-038-00	CERAMIC CHIP	0.1MF		25V
CS06	1-163-038-00	CERAMIC CHIP	0.1MF		25V
CS08	1-163-038-00	CERAMIC CHIP	0.1MF		25V
CS09	1-163-809-11	CERAMIC CHIP	0.047MF	10X	25V
CS10	1-136-158-00	FILM	0.027MF	5X	25V
					50V
CS11	1-163-020-00	CERAMIC CHIP	0.0082MF	10X	50V
CS12	1-135-149-21	TANTAL. CHIP	2.2MF	10X	10V

DIODE

D503	8-719-939-23	GP2S09-C
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ICS

IC501	8-759-208-96	TA8406P
IC502	8-759-208-96	TA8406P
IC503	8-759-984-30	BA6321

TRANSISTORS

Q501	8-729-216-22	2SA1162-G
Q502	8-729-216-22	2SA1162-G

RESISTORS

R501	1-216-049-00	METAL GLAZE CHIP	1K	5X	1/10W
R502	1-216-049-00	METAL GLAZE CHIP	1K	5X	1/10W
R503	1-216-057-00	METAL GLAZE CHIP	2.2K	5X	1/10W
R504	1-216-057-00	METAL GLAZE CHIP	2.2K	5X	1/10W
R505	1-216-057-00	METAL GLAZE CHIP	2.2K	5X	1/10W
R506	1-216-057-00	METAL GLAZE CHIP	2.2K	5X	1/10W
R507	1-216-105-00	METAL GLAZE CHIP	220K	5X	1/10W
R508	1-216-105-00	METAL GLAZE CHIP	220K	5X	1/10W
R509	1-216-097-00	METAL GLAZE CHIP	100K	5X	1/10W
R510	1-216-097-00	METAL GLAZE CHIP	100K	5X	1/10W
R511	1-216-105-00	METAL GLAZE CHIP	220K	5X	1/10W
R512	1-216-105-00	METAL GLAZE CHIP	220K	5X	1/10W
R513	1-216-097-00	METAL GLAZE CHIP	100K	5X	1/10W
R514	1-216-097-00	METAL GLAZE CHIP	100K	5X	1/10W
R515	1-216-001-00	METAL GLAZE CHIP	10	5X	1/10W
R516	1-216-001-00	METAL GLAZE CHIP	10	5X	1/10W
R517	1-216-001-00	METAL GLAZE CHIP	10	5X	1/10W
R518	1-216-001-00	METAL GLAZE CHIP	10	5X	1/10W
R519	1-216-049-00	METAL GLAZE CHIP	1K	5X	1/10W
R520	1-216-089-00	METAL GLAZE CHIP	47K	5X	1/10W
R521	1-216-069-00	METAL GLAZE CHIP	6.8K	5X	1/10W
R522	1-216-199-00	METAL GLAZE CHIP	1.1K	5X	1/8W
R523	1-216-199-00	METAL GLAZE CHIP	1.1K	5X	1/8W
R524	1-216-073-00	METAL GLAZE CHIP	10K	5X	1/10W
R525	1-216-081-00	METAL GLAZE CHIP	22K	5X	1/10W
R526	1-216-033-00	METAL GLAZE	220	5X	1/10W

VARIABLE RESISTOR

RV501	1-238-224-11	RES. ADJ. METAL GLAZE 22K
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SWITCHES

S501	1-571-238-21	SWITCH, MICRO
S502	1-572-145-21	SWITCH, MICRO

1-636-616-11 PC BOARD IF-CN

1-573-062-11 SOCKET, CONNECTOR 40P

CONNECTOR

CN601	1-565-449-11	SOCKET, CONNECTOR 40P
CN602	1-565-449-11	SOCKET, CONNECTOR 40P
CN603	1-590-213-11	CABLE ASSY 40P
CN607	1-590-214-11	CABLE ASSY, ID (531)

Ref. No.	Part No.	Description
S601	1-570-621-11	SWITCH, DIP

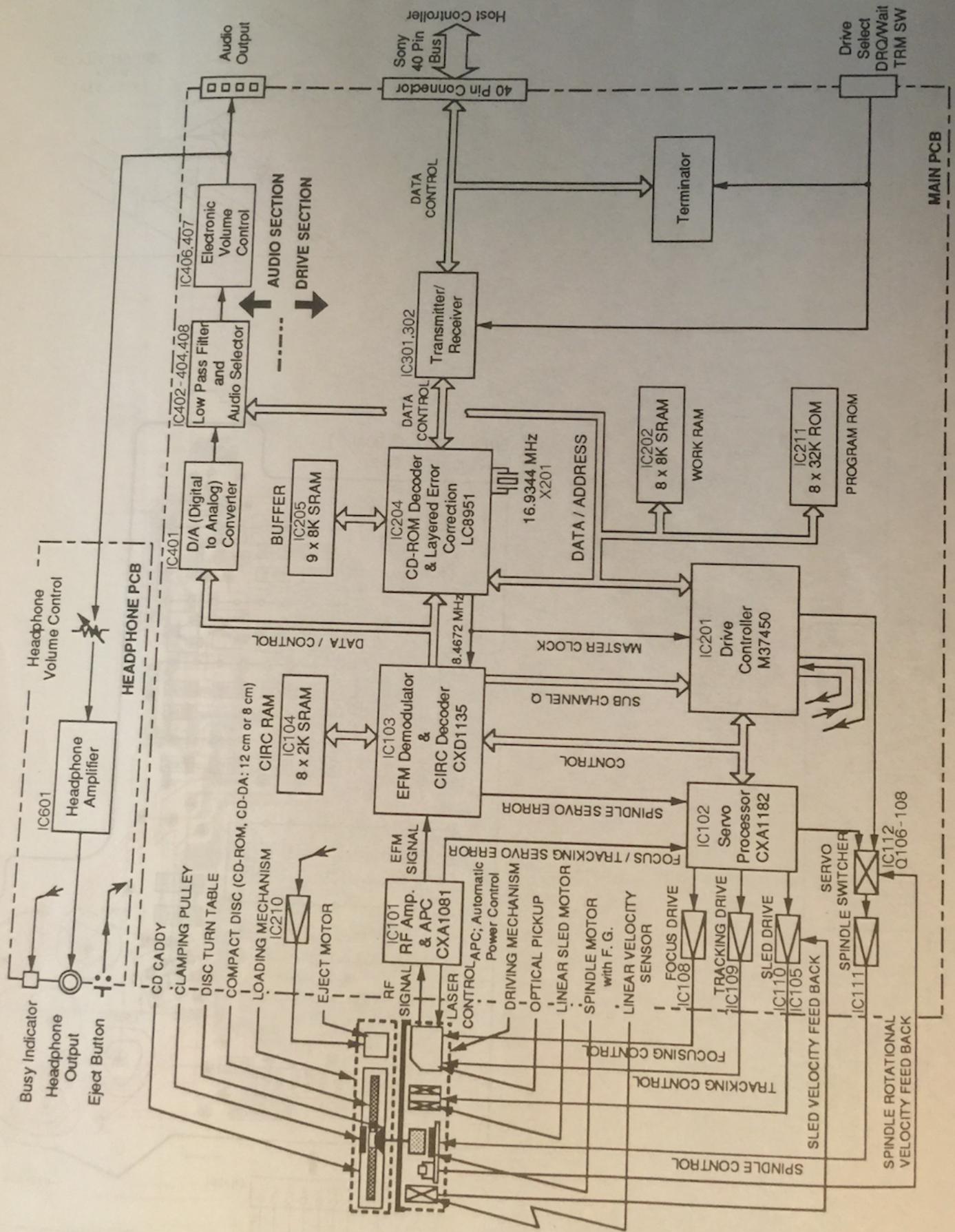
	1-636-614-11	PC BOARD AU-CN *****
	1-562-198-41	HOUSING, CONNECTOR 4P
CN631	1-565-352-11	JACK, PIN 2P
CN632	1-590-215-11	CABLE ASSY, AUDIO

ACCESSORIES AND PACKING MATERIALS

A-4675-289-C	CD-ROM-CADDY
X-4941-845-1	FLOPPY DISC ASSY
1-569-972-11	SOCKET, SHORT 2P
Δ1-557-377-11	CORD, POWER (3 CORE)
1-590-402-11	CORD, CONNECTION
2-114-902-01	BAG, POLYETHYLENE, CONDUCTIVE
3-315-384-41	WASHER, STOPPER
3-786-208-41	INSTRUCTION
*4-945-495-01	INDIVIDUAL CARTON
*4-945-780-01	CUSHION

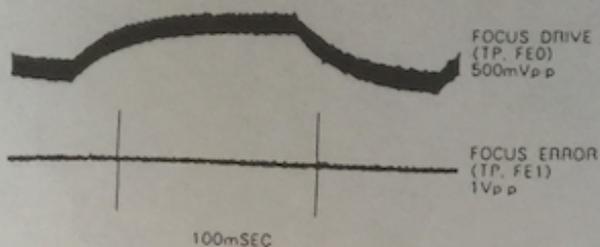
SECTION 3 DIAGRAMS

3-1. CD-ROM DRIVE UNIT SECTION BLOCK DIAGRAM AUDIO EMBEDDED CD-ROM DRIVE

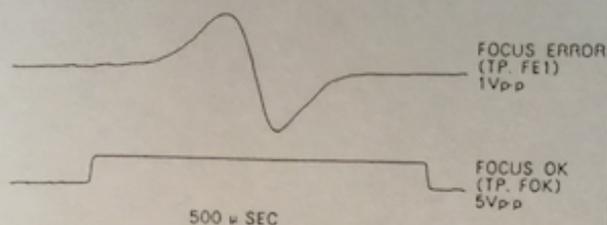


• WAVEFORMS

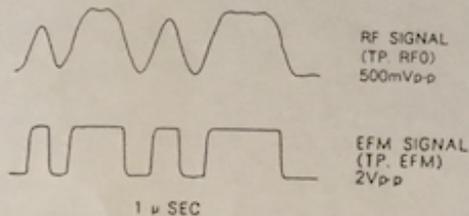
(A) FOCUS SEARCH



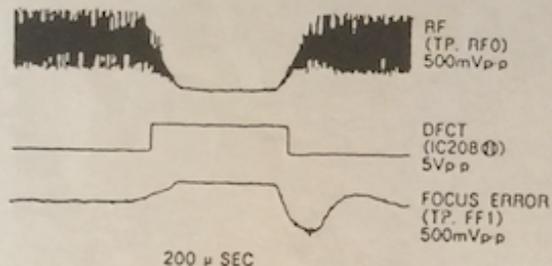
(B) FOCUS SEARCH



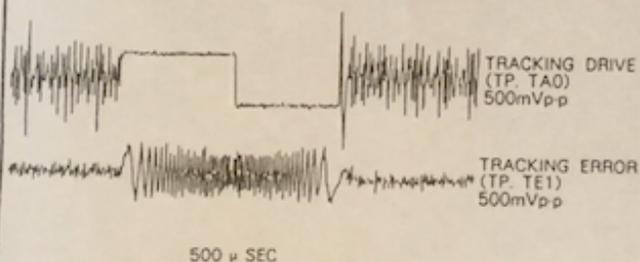
(C)



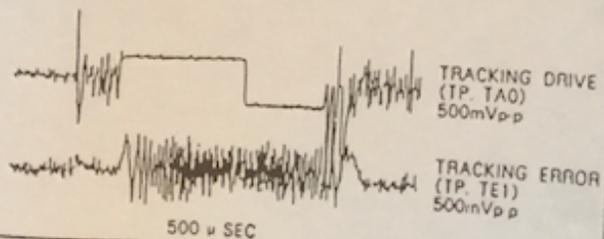
(D)



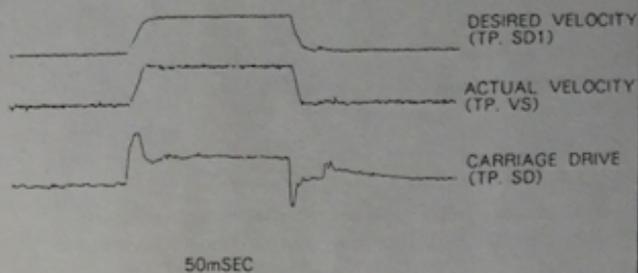
(E) TRACK JUMP FORWARD



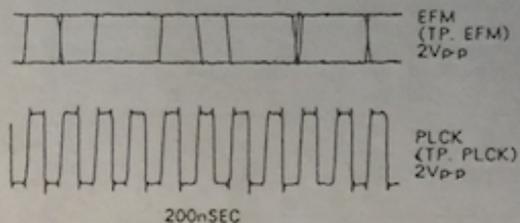
(F) 80 TRACKS JUMP FORWARD



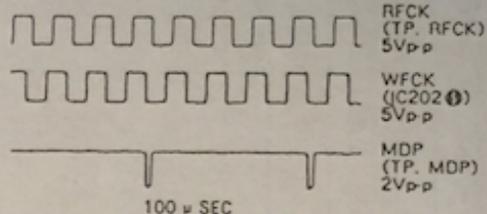
(G) CARRIAGE MOVES FORWARD



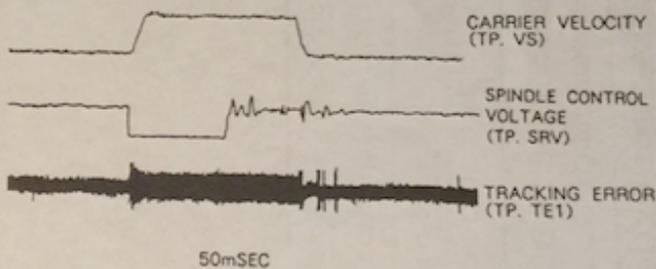
(H)



(I)



(J) DURING ACCESS



(K)

