ORDER NO. AD9202023C8

Service Manual

Sound Processor

Because of unique interconnecting cables, when a component requires service, send or bring in the entire system.

Sound Processor

SH-CH700

Colour

(K)	Black Type

Area

Suffix for Model No.	Area	Colour
(E)	Continental Europe, Great Britain, Germany, Italy, Asia, Latin America, Middle Near East, Africa and Oceania.	(K)

System: SC-CH700

SPECIFICATIONS

■ PRE AMP. SECTION

Input sensitivity and impedance
- PHONO: 2.5 mV/47 kΩ
- VCR/VDP (input with PHONO PIN): 250 mV/18 kΩ

Total harmonic distortion
- 1 kHz, −3 dB output: 0.08%

■ EQUALIZER, SOUND FIELD PROCESSOR SECTION

Equalizer
- Center frequency
  - LOW: 31.5, 40, 50, 63, 80, 100, 125, 160, 220 (Hz)
  - HIGH1, 2: 315, 450, 630, 800, 1 k, 1.25 k, 1.6 k, 2.2 k, 3.15 k, 4.5 k, 6.3 k, 8 k, 10 k, 12.5 k, 16 k (Hz)
- Level control LOW, HIGH1, 2: ±12 dB
- (Q) control Narrow: 1.8
  - Wide: 0.7

Fixed mode
- Equalizer (6 modes): HEAVY, CLEAR, SOFT, VOCAL HEADPHONE STEREO, CAR STEREO
- Sound Field Processor (6 modes): HALL, LIVE, DISCO, CHURCH STADIUM, THEATER

Frequency response
- PHONO: RIAA STANDARD CURVE (30 Hz–15 kHz) ±1.0 dB
- TUNER, TAPE, VCR: 15 Hz–20 kHz, −1 dB
- CD, DAT, VDP: 15 Hz–20 kHz, −1 dB

S/N
- PHONO: 64 dB (DIN) 85 dB (IHF, at full scale input, IHF A)
- TUNER, TAPE, VCR: 71 dB (DIN) 90 dB (IHF, at full scale input, IHF A)
- CD, DAT, VDP: 93 dB

Video output
- MONITOR: 1 Vpp/75Ω
- VCR REC OUT: 1 Vpp/75Ω

■ GENERAL

- Dimensions (W×H×D): 215×83×292 mm
- Weight: 1.65 kg

Notes:
1. Specifications are subject to change without notice.
2. Weight and dimensions shown are approximate.
3. Total harmonic distortion is measured by the digital spectrum analyzer.

System	Tuner/CD player	Sound Processor	Power Amplifier	Cassette Deck	Speakers
SC-CH700	SL-CH700	SH-CH700	SU-CH700	RS-CH700	*SB-CH700

*Continental Europe, Great Britain, Germany and Italy areas ..... Made in PAES

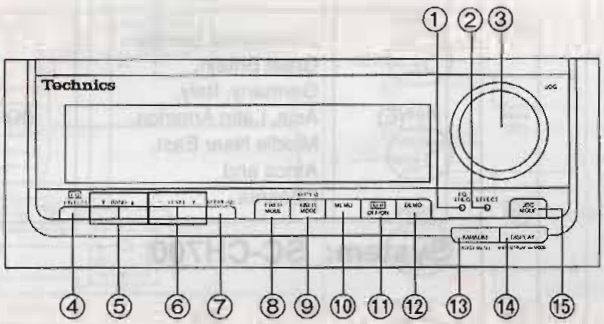
Technics

■ CONTENTS

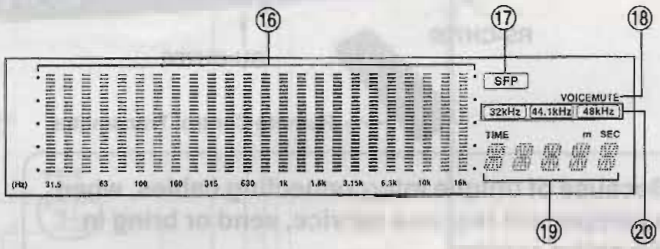
NOTES:

Refer to the service manual for Model No. SU-CH700, Order No. AD9202022C8 for information on ACCESSORIES, CONNECTIONS and PACKAGING.

■ LOCATION OF CONTROLS



●Display



① Equalizer frequency indicator (EQ, FREQ)

② Effect indicator (EFFECT)

③ Sound effect level control (JOG)

④ Equalizer ON/FLAT button (EQ, ON/FLAT)

⑤ Equalizer frequency select buttons (▼ BAND ▲)

⑥ Equalizer level-control buttons (– LEVEL +)

⑦ Slope (Q) select button [SLOPE (Q)]

⑧ Fixed mode select button (FIXED MODE)

⑨ User mode select button (USER MODE)

⑩ Memory button (MEMO)

⑪ SFP OFF/ON button (SFP, OFF/ON)

⑫ Demonstration button (DEMO)

⑬ Voice mute button (KARAOKE)

⑭ Display mode select button (DISPLAY, -SPECTRUM –MODE)

⑮ Jog mode button (JOG MODE)

⑯ Multi level display

⑰ SFP indicator (SFP)

⑱ Voice mute indicator (VOICE MUTE)

⑲ Sound effect display

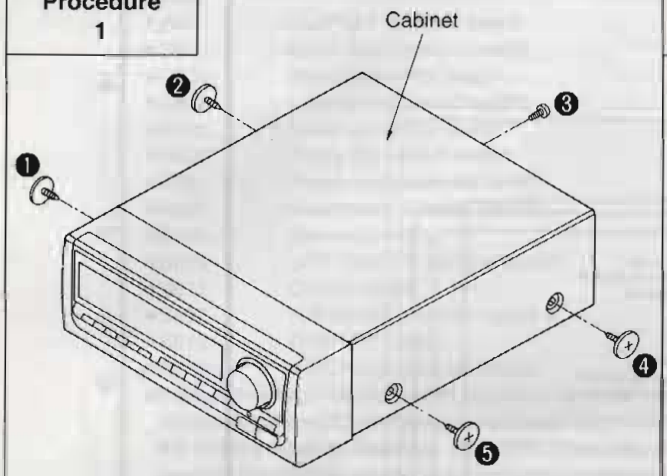
⑳ Sampling frequency indicator

■ DISASSEMBLY INSTRUCTIONS

"ATTENTION SERVICER" Some chassis components may have sharp edges. Be careful when disassembling and servicing.

Ref. No. 1	Removal of the Cabinet

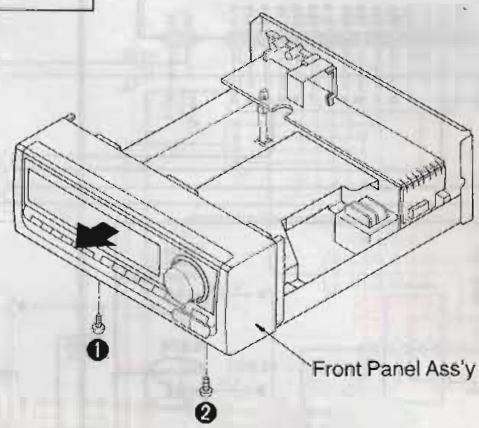
Procedure 1



- Remove the 5 screws (❶~❺).

Ref. No. 2	Removal of the Front Panel Ass'y

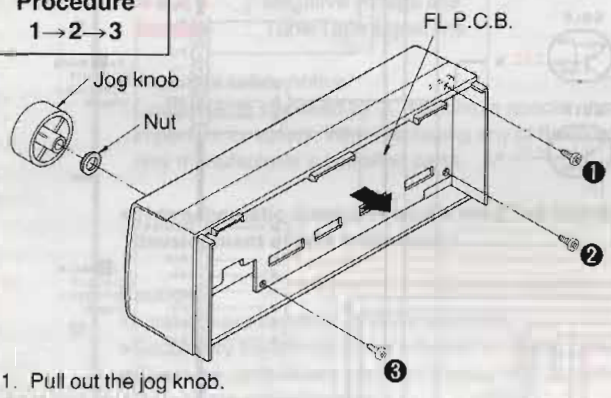
Procedure 1→2



1. Remove the 2 screws (❶, ❷).
2. Remove the Front panel ass'y in the direction of the arrow.

Ref. No. 3	Removal of the FL P.C.B.

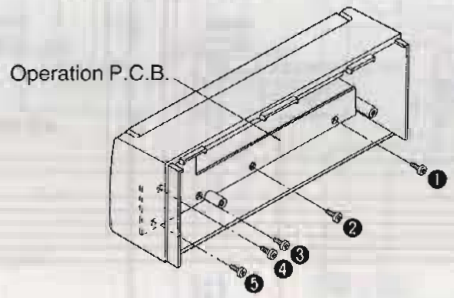
Procedure 1→2→3



1. Pull out the jog knob.
2. Remove the nut.
3. Remove the 3 screws (❶~❸).
4. Remove the FL P.C.B. in the direction of arrow.

Ref. No. 4	Removal of the Operation P.C.B.

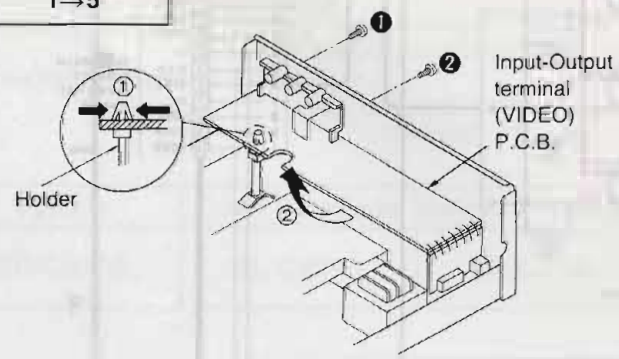
Procedure 1→2→3→4



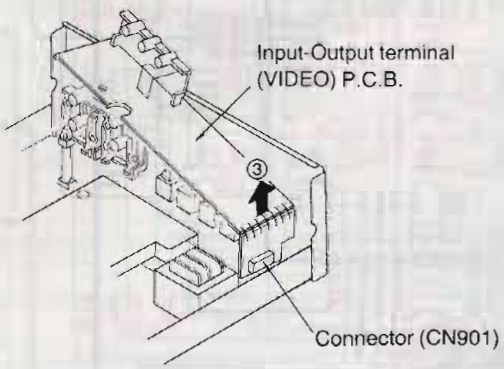
- Remove the 5 screws (❶~❺).

Ref. No. 5	Removal of the Input/Output (AV) P.C.B.

Procedure 1→5

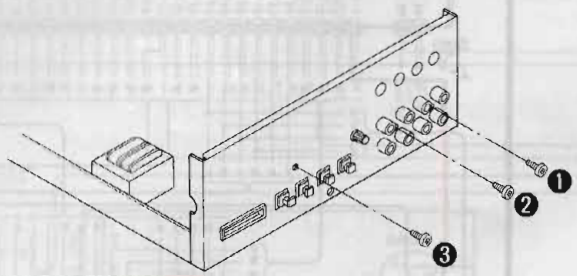


1. Remove the 2 screws (❶, ❷).
2. Push the 2 claws in the direction of the arrow ①.
3. Remove the Input/Output P.C.B. in the direction of the arrow ②.

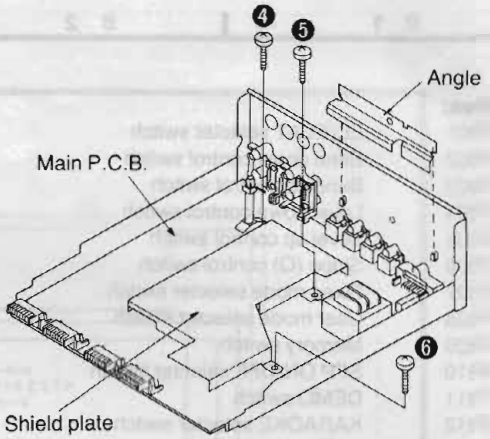


4. Remove the connector (CN901) in the direction of the arrow ③.

Ref. No. 6	Removal of the Main P.C.B.
Procedure 1→5→6	

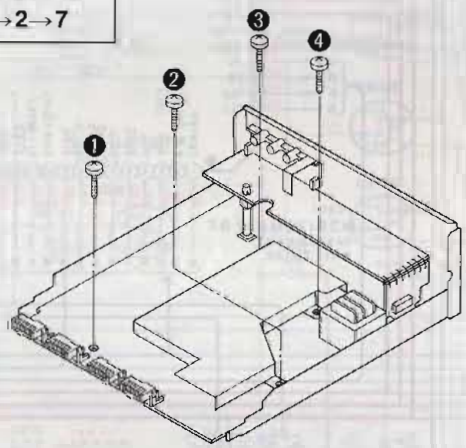


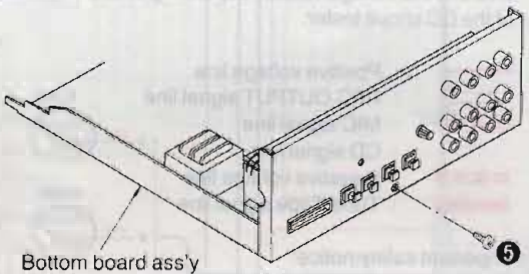
1. Remove the 3 screws (❶~❸).

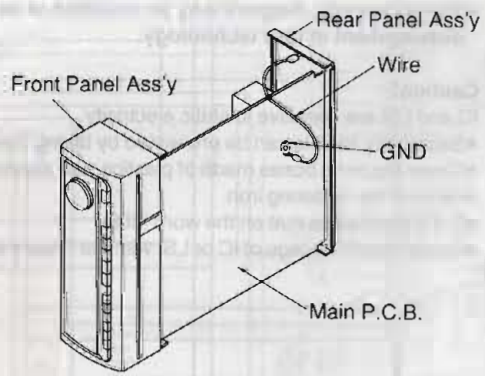


2. Remove the Angle.
3. Remove the 4 screws (❹~❻).
4. Remove the shield plate.

Ref. No. 7	Check of the Main P.C.B.
Procedure 1→2→7	







1. Remove the 5 screws (❶~❺).
2. Remove the bottom board ass'y.
3. Reinstall the front panel ass'y to the main P.C.B.
4. Connect the G.N.D. terminal to the rear panel by the lead wire.
5. Check the main P.C.B. as shown in the figure.

■ SCHEMATIC DIAGRAM (FL/Operation circuit) (Parts list on pages 21~24.)

Notes:

- •S801 : EQ/FLAT selecter switch
- •S802 : Band down control switch
- •S803 : Band up control switch
- •S804 : Level down control switch
- •S805 : Level up control switch
- •S806 : Slope (Q) control switch
- •S807 : Fixed mode selecter switch
- •S808 : User mode selecter switch
- •S809 : Memory switch
- •S810 : SFP ON/OFF selecter switch
- •S811 : DEMO switch
- •S812 : KARAOKE selecter switch
- •S818 : DISPLAY switch
- •S819 : JOG mode selecter switch

•Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

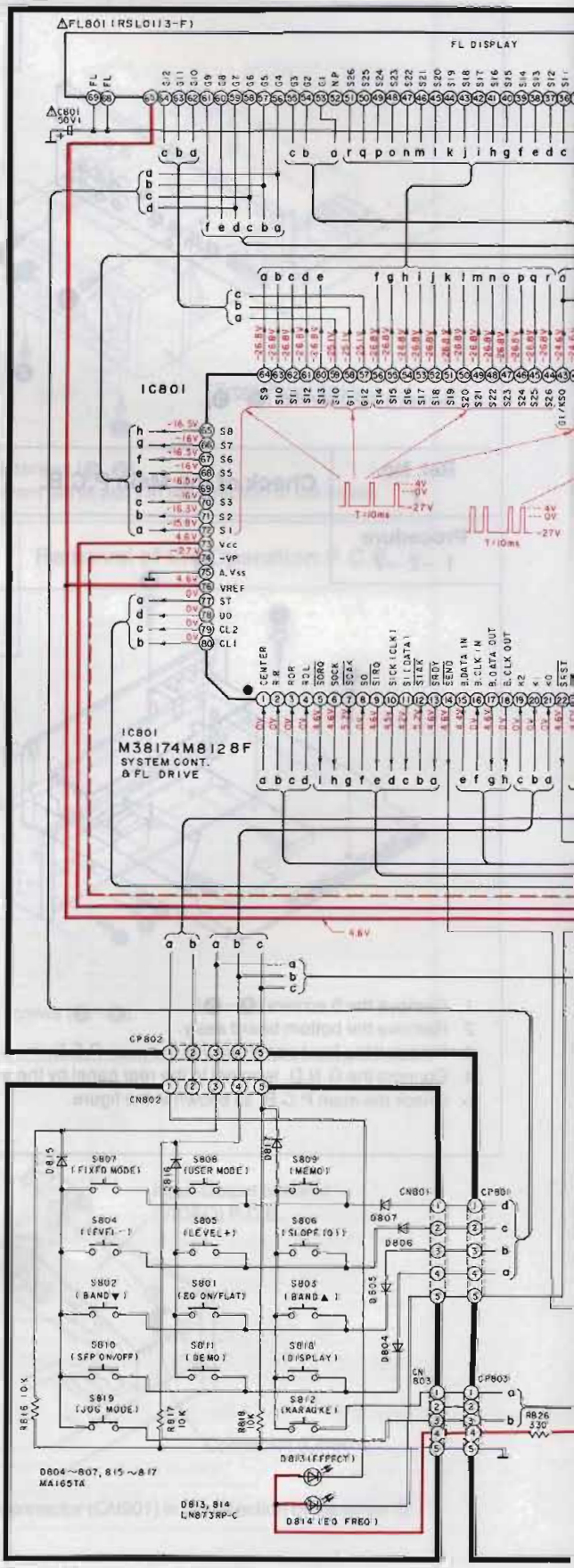
: Positive voltage line
: REC OUTPUT signal line
: MIC signal line
: CD signal line
: Negative voltage line
: Tune/Tape signal line

•Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

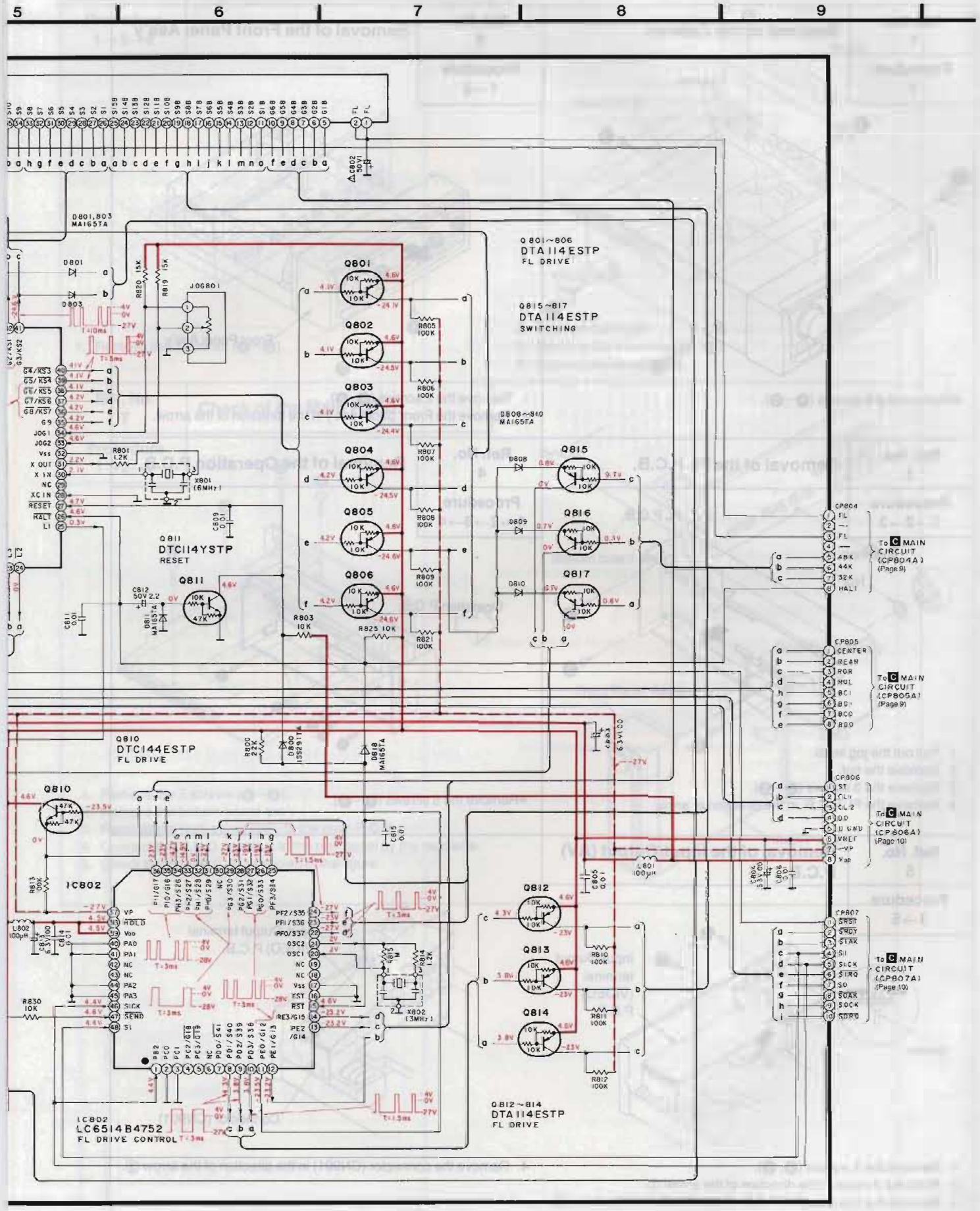
•This schematic diagram may be modified at any time with the development of new technology.

Caution!
IC and LSI are sensitive to static electricity.
•Secondary trouble can be prevented by taking care during repair.
•Cover the parts boxes made of plastics with aluminum foil.
•Ground the soldering iron.
•Put a conductive mat on the word table.
•Do not touch the legs of IC or LSI with the fingers directly.

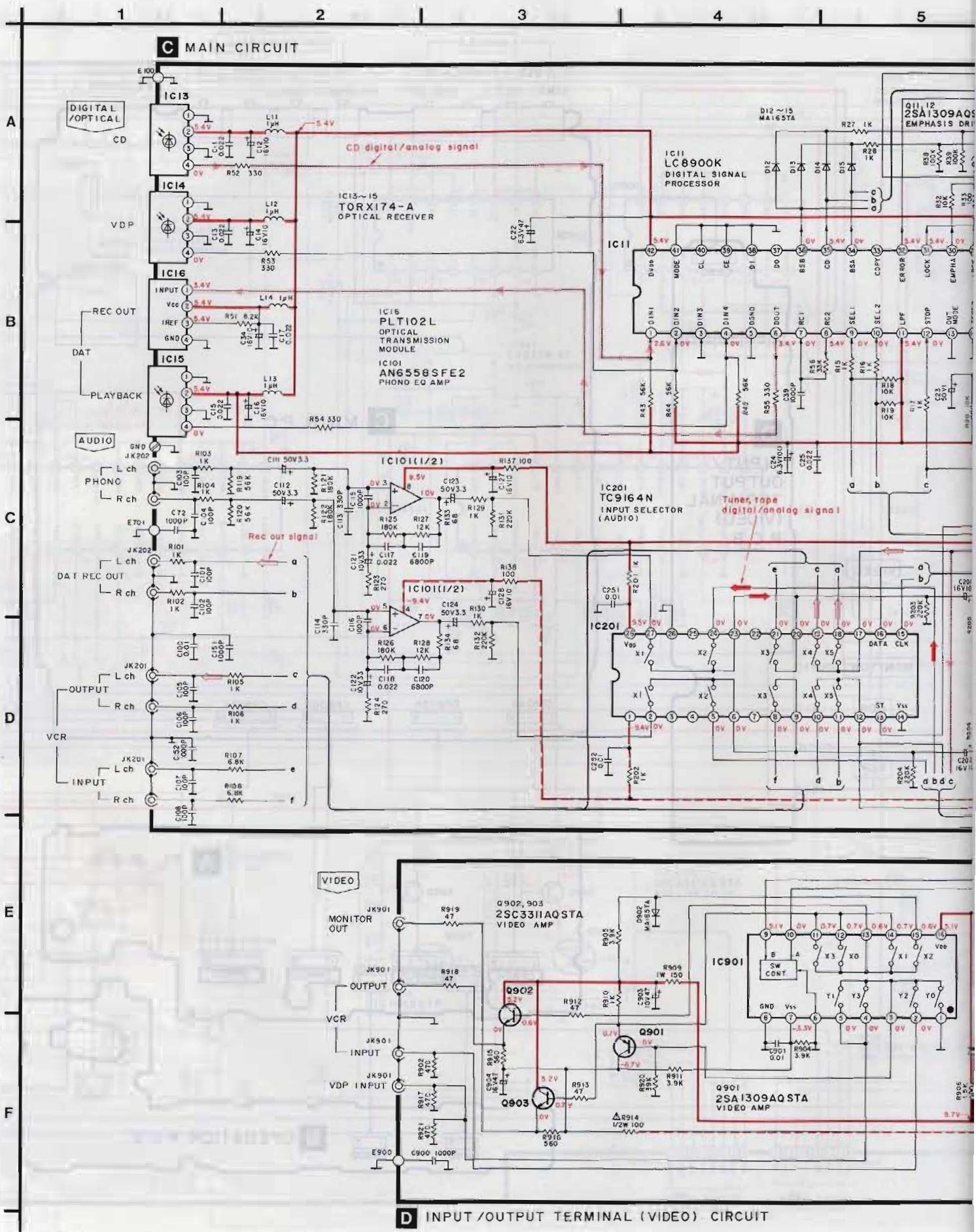
A FL CIRCUIT

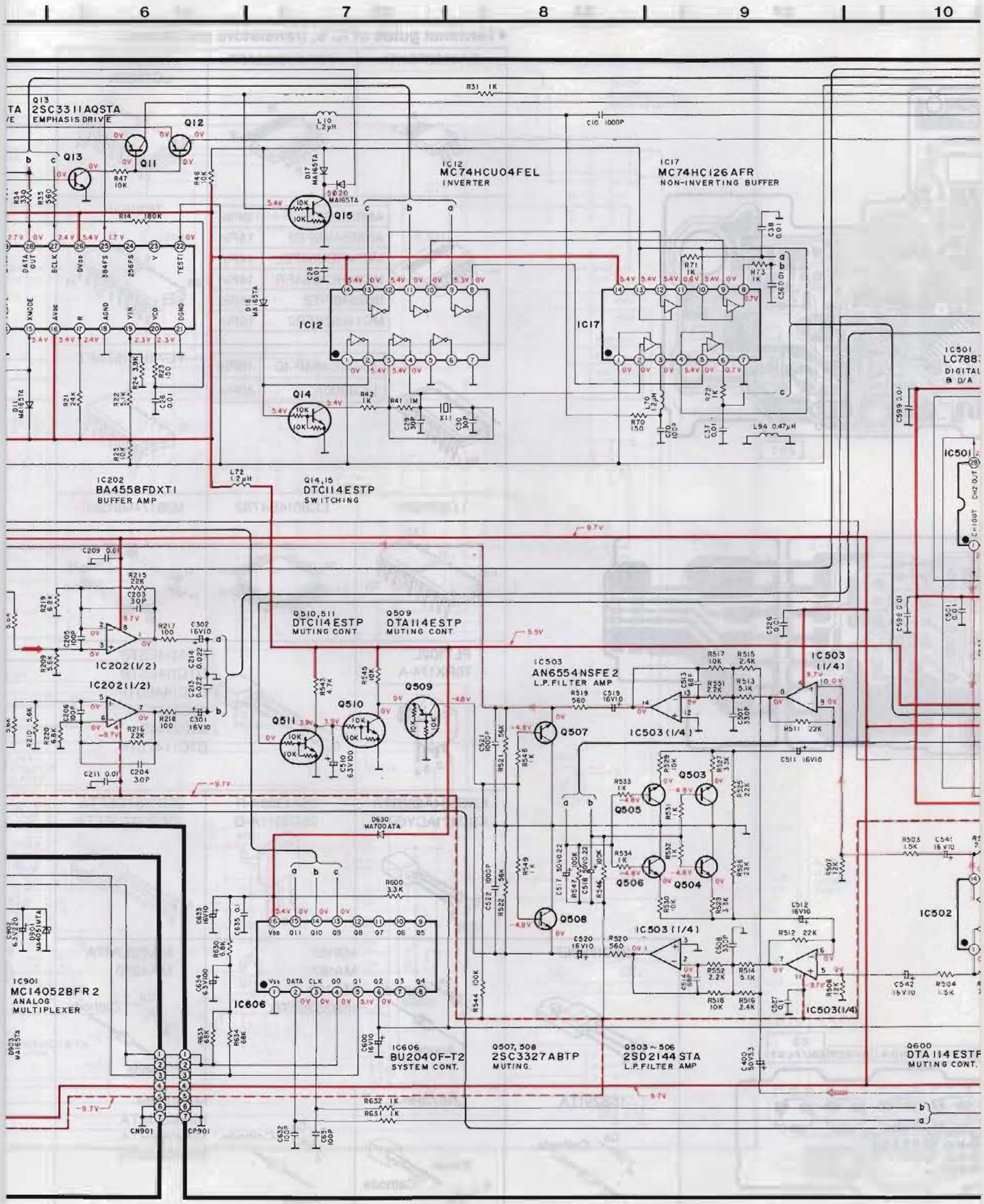


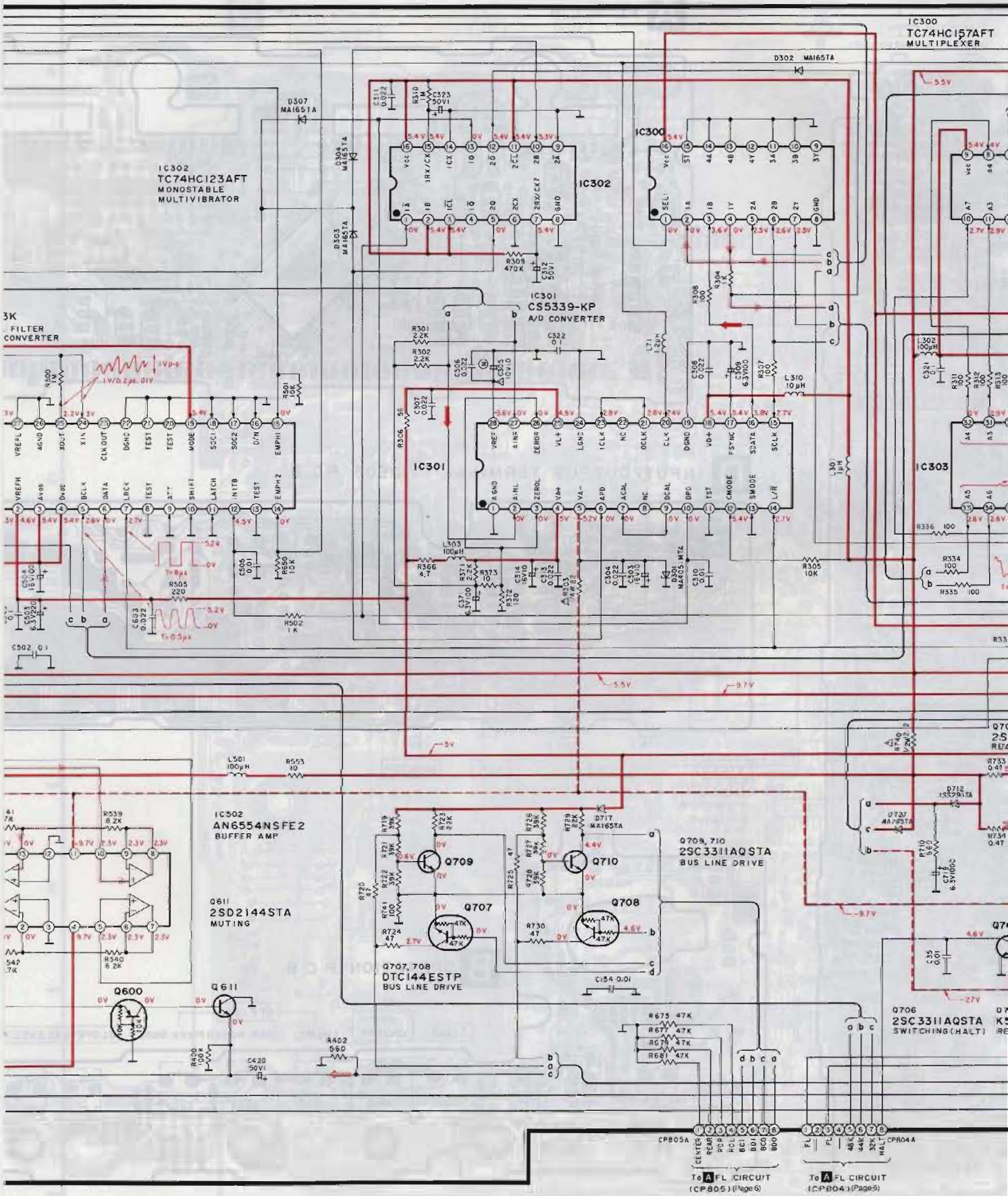
B OPERATION CIRCUIT

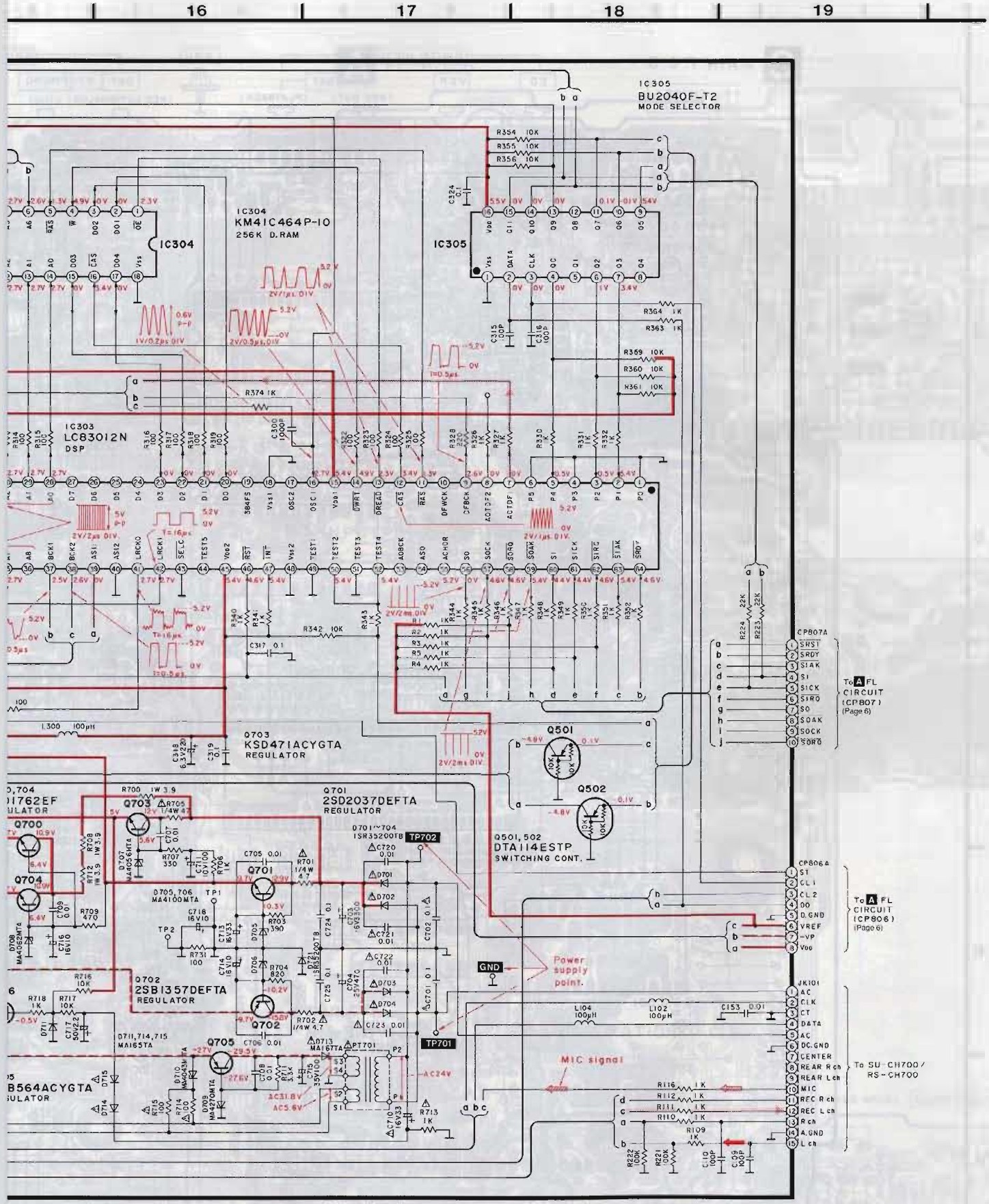

5
6
7
8
9
D801,803
MA165TA
Q801~806
DTA114ESTP
FL DRIVE
Q815~817
DTA114ESTP
SWITCHING
D806~810
MA165TA
Q801
Q802
Q803
Q804
Q805
Q806
Q815
Q816
Q817
Q811
DTC114YSTP
RESET
Q810
DTC144ESTP
FL DRIVE
IC802
LC6514B4752
FL DRIVE CONTROL
Q812~814
DTA114ESTP
FL DRIVE
X801 (6MHz)
X802 (3MHz)
CP804
CP805
CP806
CP807
To C MAIN CIRCUIT (CP804A) (Page 9)
To C MAIN CIRCUIT (CP805A) (Page 9)
To C MAIN CIRCUIT (CP806A) (Page 10)
To C MAIN CIRCUIT (CP807A) (Page 10)

■ SCHEMATIC DIAGRAM (Main/Input-Output circuit) (Parts list on pages 21~24.)

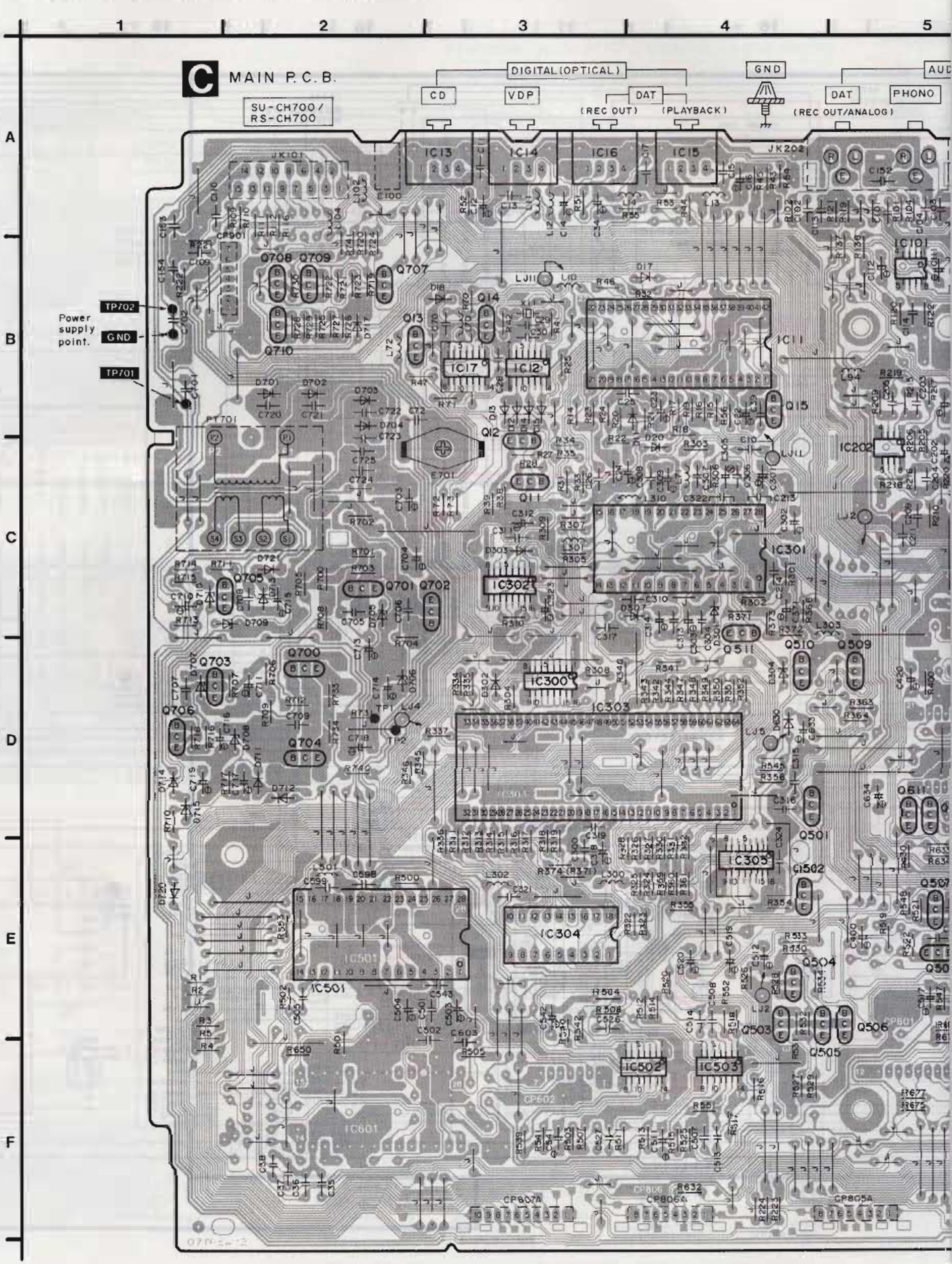


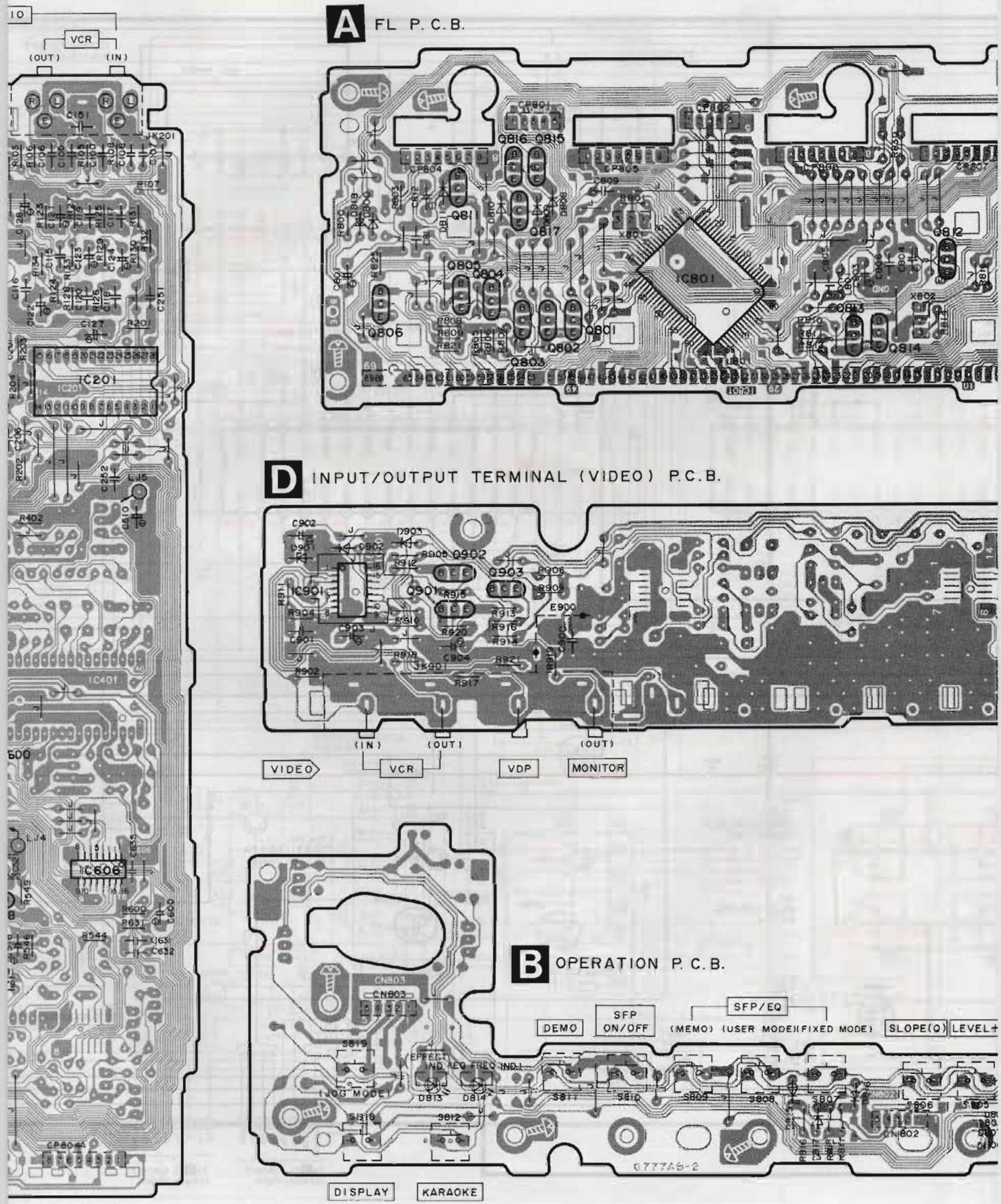

6
7
8
9
10
Q13
2SC3311AQSTA
EMPHASIS DRIVE
Q12
Q11
Q15
IC12
MC74HCU04FEL
INVERTER
IC17
MC74HC126AFR
NON-INVERTING BUFFER
IC202
BA4558FDXTI
BUFFER AMP
Q14,15
DTC114ESTP
SWITCHING
IC202(1/2)
Q510,511
DTC114ESTP
MUTING CONT
Q509
DTA114ESTP
MUTING CONT
IC503
AN6554NSFE2
L.P.FILTER AMP
IC503 (1/4)
Q507
Q508
Q505
Q506
Q503
Q504
IC901
MC14052BFR2
ANALOG
MULTIPLEXER
IC606
BU2040F-T2
SYSTEM CONT.
Q507, 508
2SC3327ABTP
MUTING.
Q503~506
2SD2144STA
L.P.FILTER AMP
Q600
DTA114ESTP
MUTING CONT.
IC501
IC502
CN901
CP901


IC302
TC74HC123AFT
MONOSTABLE
MULTIVIBRATOR
IC300
TC74HC157AFT
MULTIPLEXER
IC301
CS5339-KP
A/D CONVERTER
FILTER
CONVERTER
IC303
IC302
AN6554NSFE2
BUFFER AMP
Q611
2SD2144STA
MUTING
Q709, 710
2SC3311AQSTA
BUS LINE DRIVE
Q707, 708
DTC144ESTP
BUS LINE DRIVE
Q706
2SC3311AQSTA
SWITCHING (HALT)
Q709
Q710
Q707
Q708
Q600
Q611
D307 MA165TA
D304 MA165TA
D303 MA165TA
D302 MA165TA
D717 MA165TA
CP805A
CP804A
To A FL CIRCUIT
(CP805) (Page 6)
To A FL CIRCUIT
(CP804) (Page 6)

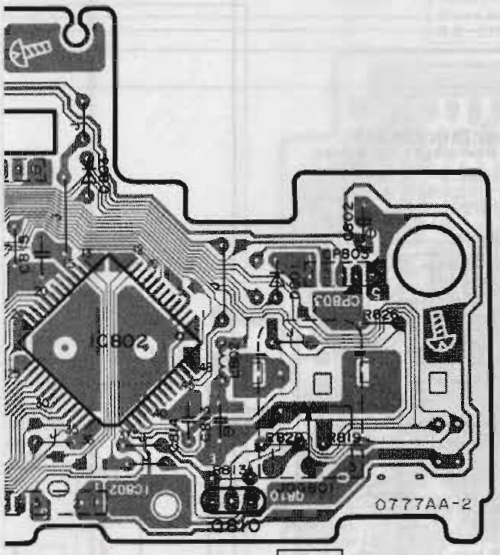

16
17
18
19
IC305
BU2040F-T2
MODE SELECTOR
IC304
KM41C464P-10
256K D.RAM
IC303
LC83012N
DSP
Q703
KSD471ACYGTA
REGULATOR
Q701
2SD2037DEFTA
REGULATOR
Q702
2SB1357DEFTA
REGULATOR
Q501
Q502
Q501, 502
DTA114ESTP
SWITCHING CONT.
Q704
ISR352001B
TP702
TP701
GND
Power supply point.
MIC signal
To A FL CIRCUIT (CP807) (Page 6)
To A FL CIRCUIT (CP806) (Page 6)
To SU-CH700 / RS-CH700
CP807A
CP806A
JK101

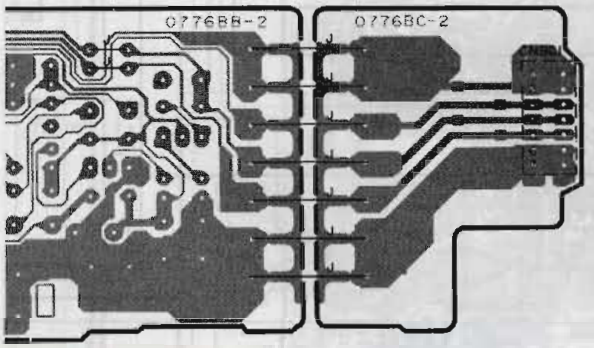
■ PRINTED CIRCUIT BOARDS

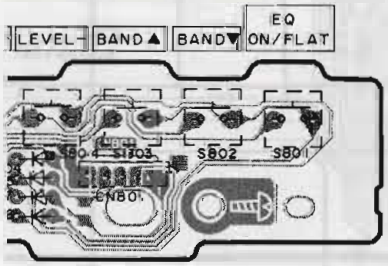



6
7
8
9
VCR
(OUT)
(IN)
A FL P.C.B.
D INPUT/OUTPUT TERMINAL (VIDEO) P.C.B.
(IN)
(OUT)
(OUT)
VIDEO
VCR
VDP
MONITOR
B OPERATION P.C.B.
DEMO
SFP ON/OFF
SFP/EQ
(MEMO)
(USER MODE)
(FIXED MODE)
SLOPE(Q)
LEVEL+
DISPLAY
KARAOKE

10 11 12 13 14



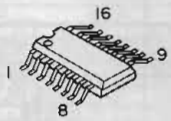




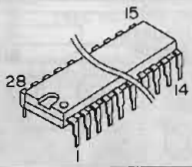
●Terminal guide of IC's, transistors and diodes.

BA4558FDXT1

TC74HC123AFT

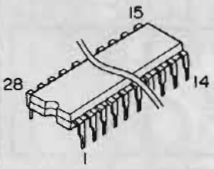


CS5339-KP
LC7883K

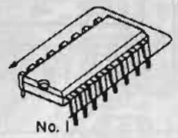


AN6558SFE2	8Pin
AN6554NSFE2	14Pin
MC74HCU04FEL	14Pin
MC74HC126AFR	14Pin
BU2040F-T2	16Pin
MC14052BFR2	16Pin

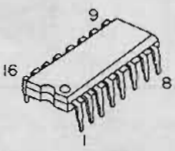
TC9164N



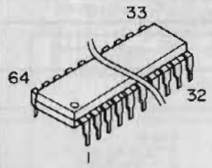
KM41C464P-10	18Pin
LC8900K	42Pin



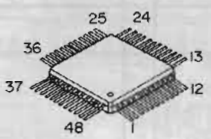
TC74HC157AFT



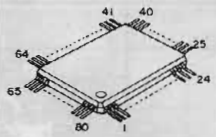
LC83012N



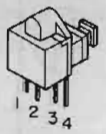
LC6514B4752



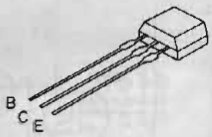
M38174M8128F



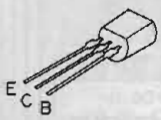
PLT102L
T0RX174-A



DTA114ESTP
DTC114ESTP
DTC144ESTP
2SC3327-A
2SD2144S
DTC114YSTP

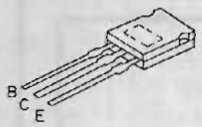


KSB564ACYGTA
KSD471ACYGTA

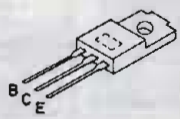


2SA1309A-R
2SC3311A-Q

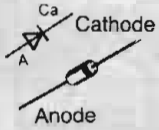
2SB1357DEFTA
2SD2037DEFTA



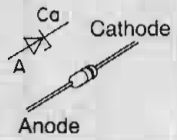
2SD1762EF



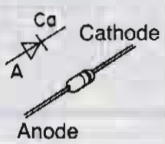
MA165
MA167
MA700
1SR35200TB



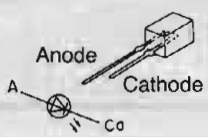
MA4100MTA
MA4270



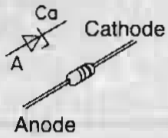
1SS291TA



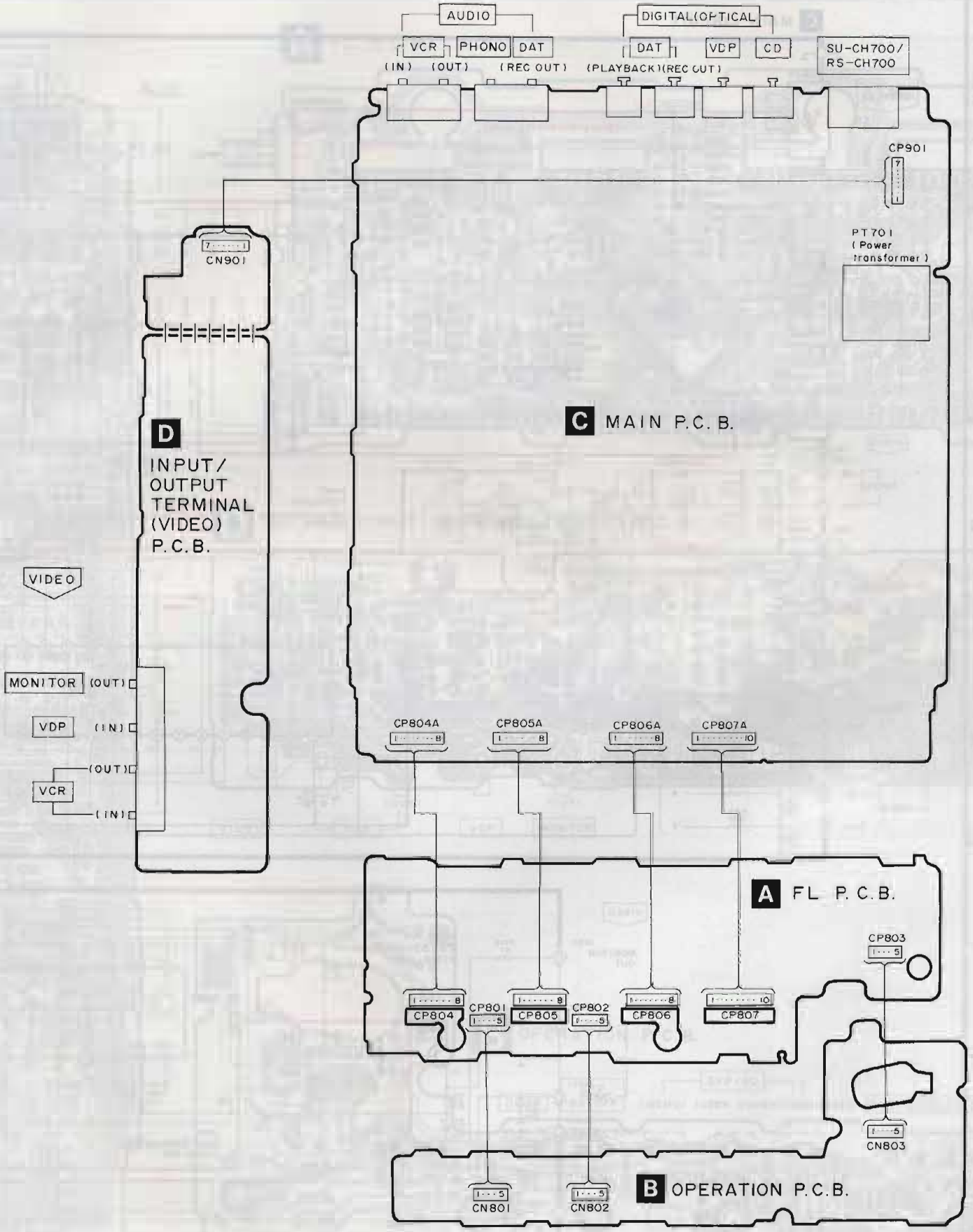
LN873RP-C



MA4043M
MA4051MTA
MA4056HTA
MA4062MTA



■ WIRING CONNECTION DIAGRAM



■ MEASUREMENTS

•How to supply power

This Sound Processor (SH-CH700) is powered by amplifier (SU-CH700).
To adjust or check operations on the sound processor as a separate unit, follow the instructions below.
•Apply a power supply voltage of AC 10 V to AC (D704) (or TP701), AC (D701) (or TP702) and GND (D721 or C702). (Shown in Fig. 1 and Fig. 2)

•Check the analog signal

To measure an analog signal of SH-CH700, make connection SH-CH700 with Tuner/CD player SL-CH700, Amplifier SU-CH700, and Cassette Deck RS-CH700. If you wish to measure the analog signal of SL-CH700 singly without connecting to the other units, short-circuit between TP1 and TP2 as shown in Fig. 1.

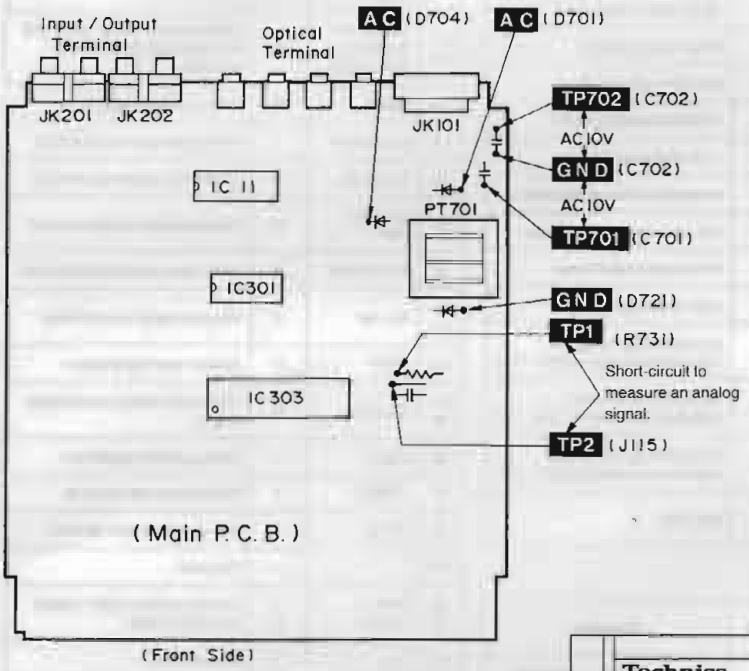


Fig. 1

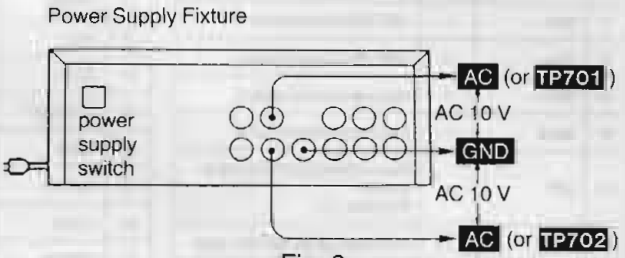


Fig. 2

Power Supply Fixture

Continental Europe, Germany and Italy areas	SZZA1062C
Great Britain area	SZZA1063C
Asia, Latin America, Middle Near East and Africa areas	SZZA1065C
Oceania area	SZZA1064C

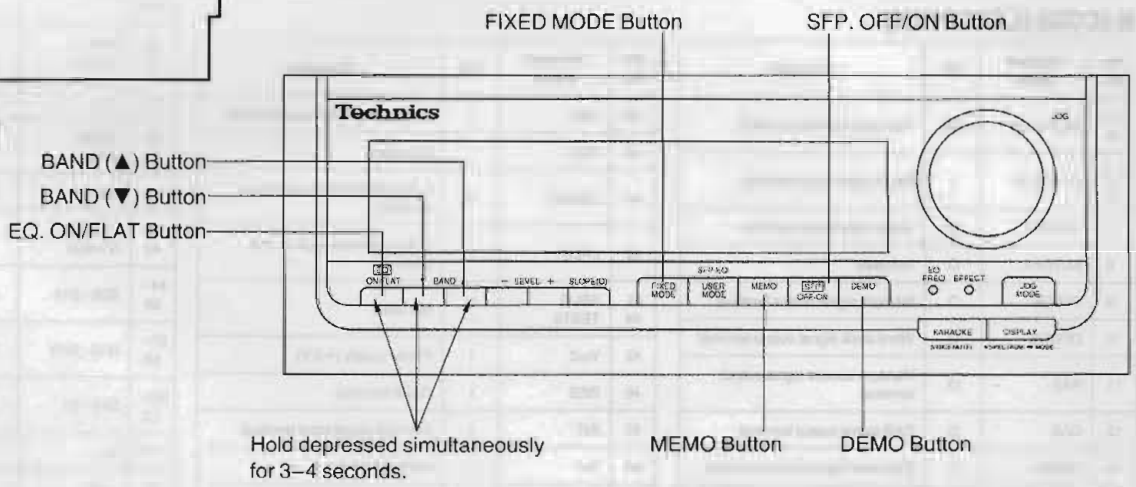


Fig. 3

•How to Select Input Signal

The SH-CH700 is not equipped with the Input Signal Selector since the input signal is selected on the Amplifier SU-CH700. However, you can select signal source on SH-CH700 by following the operating procedures mentioned In Fig. 3.

1. Press the EQ. ON/FLAT, BAND (▼), and BAND (▲) Buttons simultaneously and hold for 3–4 seconds.
2. Afterwards, the following buttons allow you to select the desired source.
   - •EQ. ON/FLAT Button→DAT mode
   - •BAND (▼) Button→CD mode
   - •BAND (▲) Button→YDP mode (The indicator "BS" appears on the display.)
   - •PIXBD MODE Button→VCR mode
   - •MEMO Button→TAPE mode
   - •SFP. OFF/ON Button→TUNER mode
   - •DEMO Button→PHONO mode

■ FUNCTION OF IC TERMINALS

■ IC11 (LC8900)

Pin No.	Terminal Name	I/O	Function
1	DIN1	I	Data input terminal (CD signal)
2	DIN2	I	Data input terminal (BS signal)
3	DIN3	I	Not used (connect to GND)
4	DIN4	I	Data input terminal (DAT signal)
5	DGND	—	Digital GND
6	DOUT	O	Data (DIN1~4) process signal output terminal
7	RC1	I	OSC (RC) input terminal
8	RC2	O	OSC (RC) output terminal
9	SEL1	I	Input signal select terminal
10	SEL2	I	Input signal select terminal
11	LPF	I	Output data signal format select terminal Fix mode="H"
12	STOP	I	VCO Stop signal input "H"...stop
13	OUTMODE	I	Output data signal format select terminal (The terminal is "LOW") "H"=20 bit LSB Fast "L"=16 bit MSB Fast
14	TEST2	—	Connected to GND
15	XMODE	I	PLL Starting signal input terminal
16	AV_{DD}	I	Power supply
17	R	I	VCO Oscillater band adjustment
18	AGND	—	Analog GND

Pin No.	Terminal Name	I/O	Function
19	VIN	I	VCO Establish osc terminal
20	VCO	O	LPF output signal terminal
21	DGND	—	Digital GND
22	TEST1	I	Not used
23	V	O	Not used
24	FS256	O	256Fs clock output signal
25	FS384	O	384Fs clock output signal
26	DV_{DD}	—	Power supply (digital)
27	BCLK	O	Bit clock output signal
28	DATAOUT	O	AUDIO data output signal
29	LRCK	O	L•R Clock output signal
30	EMPHA	O	Emphasis control signal output
31	LOCK	O	PLL Lock control signal output
32	ERROR	O	Error control signal output
33	COPY	O	Data (copy) signal output
34	BAS	O	BS control signal output (sampling frequency 32 kHz: "H")
35	CD	O	CD control signal output (ampling frequency 44.1 kHz: "H")
36	BSB	O	BS control signal output (sampling frequency 48 kHz: "H")
37~41	—	—	Not used

■ IC303 (LC83012N)

Pin No.	Terminal Name	I/O	Function
1, 4, 6	P0, P3, P5	I/O	Not used (connect to GND)
2, 3, 5	P1, P2, P4	I	Mode signal input terminal
7	AOTDF1	O	Audio data output terminal
8	AOTDF2	O	Not used
9	DFBDK	O	Bit clock signal output terminal
10	DFWCK	O	Word clock signal output terminal
11	RAS	O	Random access signal output terminal
12	CAS	O	CAS signal output terminal
13	DREAD	O	Data read signal output terminal
14	DWRT	O	Data writing signal output terminal
15	$V_{DD}1$	I	Power supply (+5 V)
16	OSC1	I	Clock signal input terminal (384fs)
17	OSC2	O	Not used
18	$V_{SS}1$	I	GND terminal
19	384FS	O	Not used
20~23	D0~D3	I/O	IC304 (DRAM) Data signal input/output terminal
24~27	D4~D7	I/O	Not used
28~35	A0~A7	O	IC304 (DRAM) Address data signal output terminal
36	A8	O	Not used
37	BCK1	I	Bit clock signal output terminal
38	BCK2	I	Bit clock signal output terminal

Pin No.	Terminal Name	I/O	Function
39	ASI1	I	Audio data signal input terminal
40	ASI2	I	Not used
41	LRCK0	O	L-R ch Identifier signal output terminal
42	LRCK1	I	L-R ch Identifier signal input terminal
43, 44	SELC TEST5	—	Not used
45	$V_{DD}2$	I	Power supply (+5 V)
46	RES	I	Reset terminal
47	INT	I	Interrupt signal input terminal
48	V_{SS}"	I	GND terminal
49~52	TEST1~ TEST$	I	Not used
53~55	—	—	Not used
56	SO	O	8 bit serial data output terminal
57	SOCK	I	Serial clock signal input terminal
58	SORQ	I	Serial data control signal input terminal (request signal input)
59	SOAK	O	Prectice (serial data output) control signal output terminal
60	SI	I	8 bit serial data input terminal
61	SICK	I	Serial clock signal input terminal
62	SIRQ	I	Serial data request signal input
63	SIAK	O	Prectice (serial data input) control signal output terminal
64	SRDY	I	Ready signal input terminal

■ IC801 (M38174M8121F)

Pin No.	Terminal Name	I/O	Function
1	CENTER	I	Center control signal input
2	R.R	I	Rera control signal input
3	ROR	I	Record signal control input (R ch)
4	ROL	I	Record signal control input (L ch)
5~9	SORQ, SOCK SOAK, SO, SIRQ	I/O	Display control signal input-output terminal
10~13	SICK (CLK), SI (DATA), SIAK, SRDY	I/O	Display control signal, data signal and clock signal input-output terminal
14	SEND	O	Display control signal output
15	B. DATA IN	I	Data bass signal input terminal
16	B. CLK IN	I	Clock bass signal input terminal
17	B. DATA OUT	O	Data bass signal output terminal
18	B. CLK OUT	O	Clock bass signal output terminal
19~21	K2~K0	I	Key scan signal input terminal
22	SRET	O	System reset signal output
23~25	L3, L2, L1	O	JOG mode display control signal output
26	HALT	I	Backup detctro signal input
27	RESET	I	Reset signal input terminal
28	XC IN	I	Pull-up voltage input terminal
29		—	Not used
30, 31	X IN X OUT	I O	Crystal oscillator (X801 4 MHz) connect terminal
32	V_{SS}	I	GND terminal
33, 34	JOG2 JOG1	I	JOG Encoder signal input terminal
35	G9	O	FL Grid control signal output
36~43	G8/KS7~ G1/KS0	O	FL Grid control signal and key scan control signal output
44~56	S26~ S14	O	FL Segment control signal output
57~59	G12~G10	O	FL Grid control signal output
60~72	S13~ S1	O	FL Segment control signal output
73	V_{CC}	I	Power supply (+5 V)
74	−VP	I	FL Pull-up voltage input
75	A. V_{SS}	I	GND terminal
76	VREF	I	A/D Converter reference voltage input terminal
77	SI	O	Strobe signal output terminal
78	DO	O	Data signal output terminal
79, 80	CL2 CL1	O	Clock signal output terminal

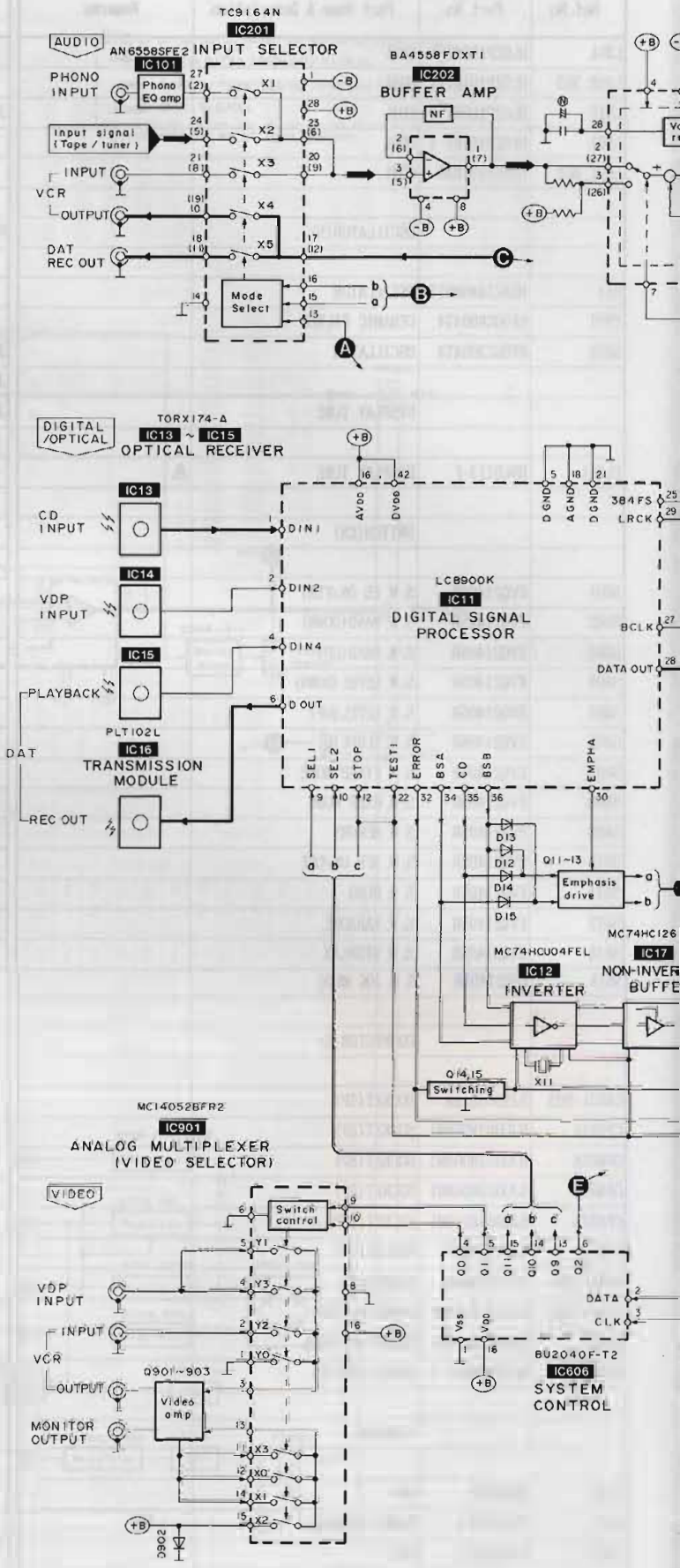
■ IC802 (LC6514B4752)

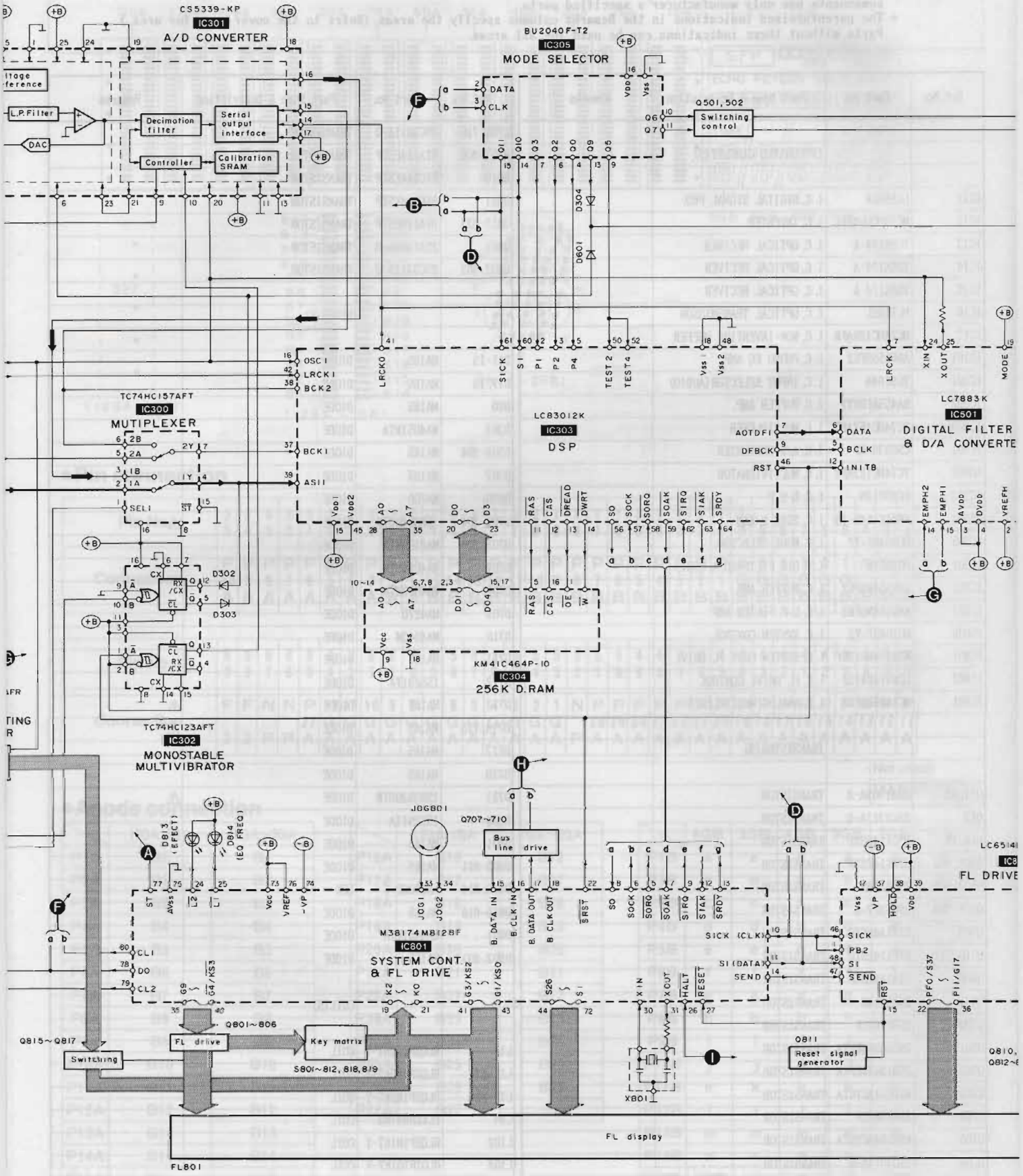
Pin No.	Terminal Name	I/O	Function
1, 46	PB2, SICK	I	Clock signal input terminal
2~5	PC0~PC3	I/O	Not used
6, 7	NC, PD0	I/O	Not used
8~10	PD0~PD2	O	FL Segment control signal output terminal
11	PE0	O	FL Grid control signal output terminal
12~14	PE1, PE2, PE3	O	FL Grid control signal output terminal
15	RST	I	Reset terminal
16	TST	I	Not used
17	V_{SS}	I	GND terminal
18, 19	NC	—	Not used
20, 21	OSC1 OSC2	I O	Crystal oscillator (X802 3 MHz) connect terminal
22~25	PF0~PF3	O	FL Segment control signal output terminal
26~29	PG0~PG3	O	FL Grid control signal output terminal
30	NC	—	Not used
31~34	PH0~PH3	O	FL Segment control signal output terminal
35, 36	PI0, PI1	O	FL Grid control signal output terminal
37	VP	I	FL Pull-down voltage input
38	HOLD	I	Connect V_{DD}
39	V_{DD}	I	Power supply (+5 V)
40~45	—	—	Not used
47	SEND	I	Display control signal input
48	SI	I	Serial data input terminal

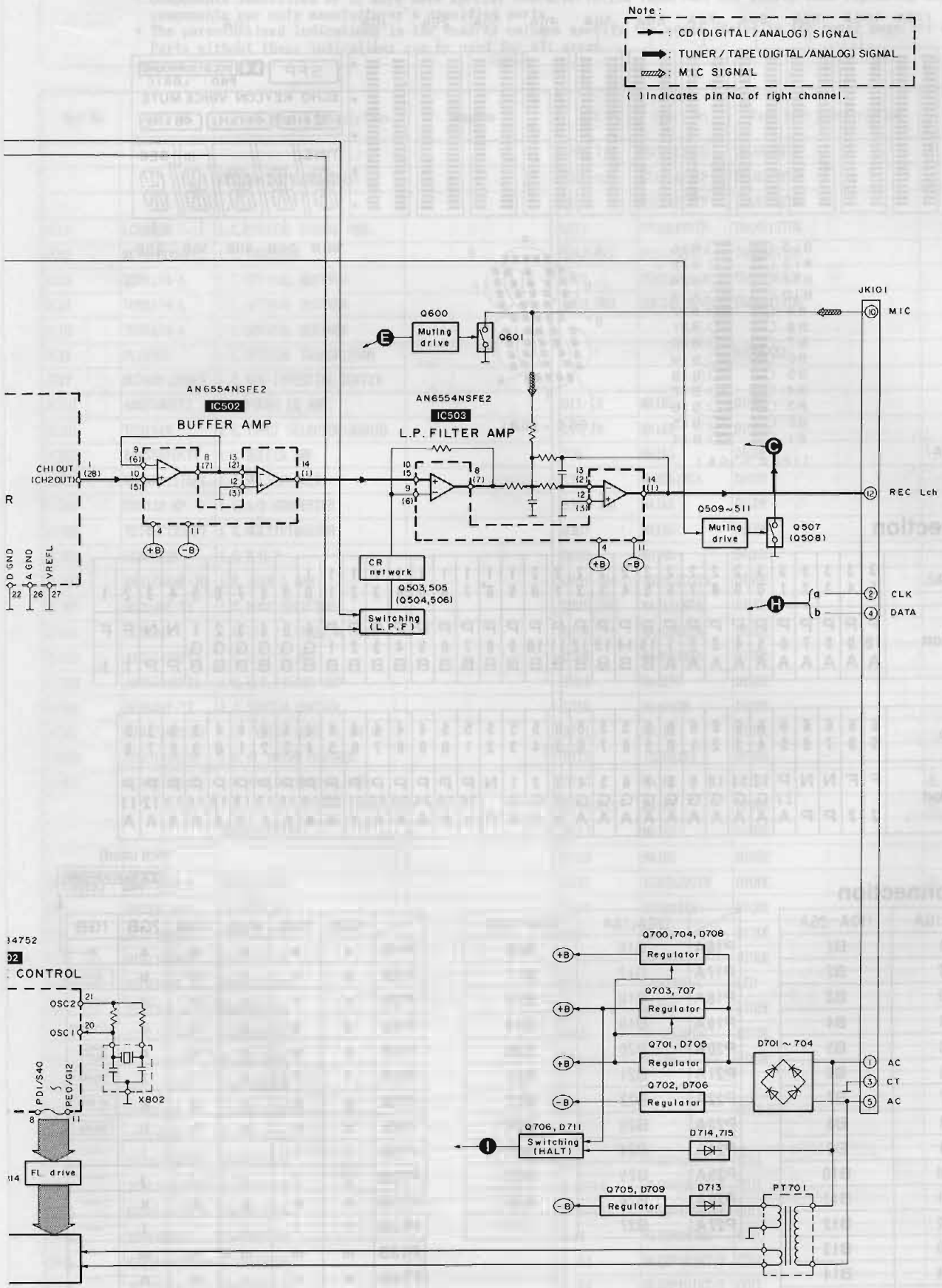
■ IC501 (LC7883K)

Pin No.	Terminal Name	I/O	Function
1	CH1OUT	O	DAC signal output (L-ch out)
2	DREFH	I	Reference voltage input
3	AV_{DD}	I	Analog power supply
4	DV_{DD}	I	Digital power supply
5	BCLK	I	Bit-clock signal input
6	DATA	I	Digital audio tape signal input
7	LRCK	I	L-R Clock signal input
8~11	—	—	Not used
12	INITB	I	Initial signal input
13	TEST	I	Not used
14, 15	EMPH2 EMPH1	I	Deemphasis institute signal input
16~18	—	—	Not used
19	MODE	I	Mode select signal input
20~23	—	—	Not used
24, 25	XIN XOUT	I O	Clock signal input/output terminal
26, 27	—	—	Not used
28	CH2OUT	O	DAC signal output (R-ch out)

■ BLOCK DIAGRAM

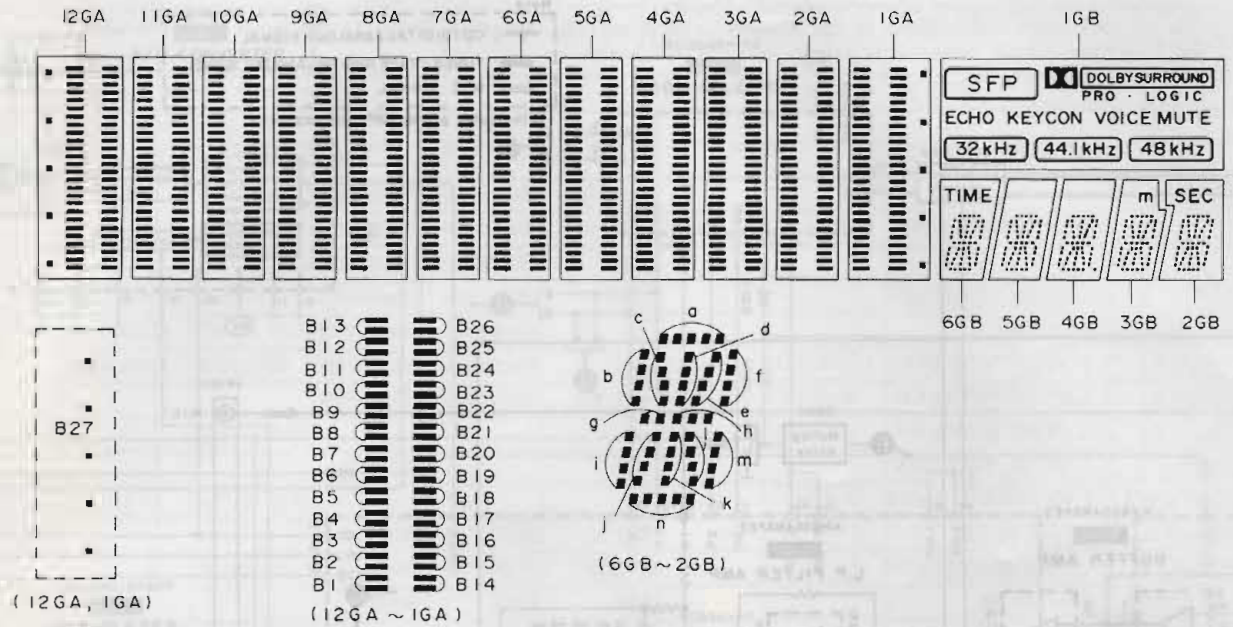



CS5339-KP
IC301
A/D CONVERTER
L.P. Filter
DAC
Decimation filter
Serial output interface
Controller
Calibration SRAM
BU2040F-T2
IC305
MODE SELECTOR
DATA
CLK
Q501, 502
Switching control
D304
D601
TC74HC157AFT
IC300
MUTIPLEXER
SEL1
TC74HC123AFT
IC302
MONOSTABLE MULTIVIBRATOR
D302
D303
LC83012K
IC303
DSP
OSC1
LRCK1
BCK2
BCK1
ASI1
LRCK0
SICK
SI
P1
P2
P4
TEST2
TEST4
Vss1
Vss2
KM41C464P-10
IC304
256K D.RAM
LC7883K
IC501
DIGITAL FILTER & D/A CONVERTE
AOTDFI
DFBCK
RST
DATA
BCLK
INITB
LRCK
XIN
XOUT
MODE
EMPH2
EMPH1
AVDD
DVDD
VREFH
JOG801
Q707~710
Bus line drive
M38174M8128F
IC801
SYSTEM CONT & FL DRIVE
FL drive
Key matrix
Switching
Q801~806
S801~812, 818, 819
Q815~Q817
Reset signal generator
Q811
X801
FL display
FL801
LC65141
IC8
FL DRIVE
SICK (CLK)
SI (DATA)
SEND
PB2


Note :
: CD (DIGITAL/ANALOG) SIGNAL
: TUNER / TAPE (DIGITAL/ANALOG) SIGNAL
: MIC SIGNAL
( ) Indicates pin No. of right channel.
JK101
MIC
Q600
Muting drive
Q601
AN6554NSFE2
IC502
BUFFER AMP
AN6554NSFE2
IC503
L.P. FILTER AMP
CH1 OUT (CH2 OUT)
R
D GND
A GND
VREFL
CR network
Q503, 505 (Q504, 506)
Switching (L.P.F)
Q509~511
Muting drive
Q507 (Q508)
REC Lch
CLK
DATA
CONTROL
OSC2
OSC1
X802
FL drive
Q700, 704, D708
Regulator
Q703, 707
Regulator
Q701, D705
Regulator
Q702, D706
Regulator
D701 ~ 704
AC
CT
AC
Q706, D711
Switching (HALT)
D714, 715
Q705, D709
Regulator
D713
PT701

■ DESCRIPTION OF FL PANEL [FL801 (RSL0113-F)]

•Grid assignment



•Pin connection

Pin No.	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Connection	P10A	P9A	P8A	P7A	P6A	P5A	P4A	P3A	P2A	P1A	P15B	P14B	P13B	P12B	P11B	P10B	P9B	P8B	P7B	P6B	P5B	P4B	P3B	P2B	P1B	6GB	5GB	4GB	3GB	2GB	1GB	NP	NP	F1	F1

Pin No.	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36
Connection	F2	F2	NP	NP	P27A	12GA	11GA	10GA	9GA	8GA	7GA	6GA	5GA	4GA	3GA	2GA	1GA	NP	P26A	P25A	P24A	P23A	P22A	P21A	P20A	P19A	P18A	P17A	P16A	P15A	P14A	P13A	P12A	P11A

•Anode connection

	12GA、1GA	11GA~2GA
P1A	B1	B1
P2A	B2	B2
P3A	B3	B3
P4A	B4	B4
P5A	B5	B5
P6A	B6	B6
P7A	B7	B7
P8A	B8	B8
P9A	B9	B9
P10A	B10	B10
P11A	B11	B11
P12A	B12	B12
P13A	B13	B13
P14A	B14	B14
P15A	B15	B15

	12GA、1GA	11GA~2GA
P16A	B16	B16
P17A	B17	B17
P18A	B18	B18
P19A	B19	B19
P20A	B20	B20
P21A	B21	B21
P22A	B22	B22
P23A	B23	B23
P24A	B24	B24
P25A	B25	B25
P26A	B26	B26
P27A	B27	—

(Not used)

	6GB	5GB	4GB	3GB	2GB	1GB
P1B	a	a	a	a	a	•
P2B	b	b	b	b	b	SFP
P3B	c	c	c	c	c	ECHO
P4B	d	d	d	d	d	KEYCON
P5B	e	e	e	e	e	VOICE MUTE
P6B	f	f	f	f	f	32kHz
P7B	g	g	g	g	g	44.1kHz
P8B	h	h	h	h	h	48kHz
P9B	i	i	i	i	i	—
P10B	j	j	j	j	j	—
P11B	k	k	k	k	k	—
P12B	l	l	l	l	l	—
P13B	m	m	m	m	m	—
P14B	n	n	n	n	n	—
P15B	TIME	—	o	m	SEC	—

■ REPLACEMENT PARTS LIST

Notes : * Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.
* The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)
Parts without these indications can be used for all areas.

Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUIT(S)	
IC11	LC8900K	I. C. DIGITAL SIGNAL PRO.	
IC12	MC74HCU04FEL	I. C. INVERTER	
IC13	TORX174-A	I. C. OPTICAL RECIVER	
IC14	TORX174-A	I. C. OPTICAL RECIVER	
IC15	TORX174-A	I. C. OPTICAL RECIVER	
IC16	PLT102L	I. C. OPTICAL TRANSMISSON	
IC17	MC74HC126AFR	I. C. NON-INVERTING BUFFER	
IC101	AN6558SFE2	I. C. PHONO EQ AMP.	
IC201	TC9164N	I. C. INPUT SELECTOR(AUDIO)	
IC202	BA4558FDXT1	I. C. BUFFER AMP.	
IC300	TC74HC157AFT	I. C. MULTIPLEXER	
IC301	CS5339-KP	I. C. A/D CONVERTER	
IC302	TC74HC123AFT	I. C. MULTIVIBRATOR	
IC303	LC83012N	I. C. D. S. P	
IC304	KM41C464P-10	I. C. 256K D. RAM	
IC305	BU2040F-T2	I. C. MODE SELECTOR	
IC501	LC7883K	I. C. DIG. FILTER&D/A CONV.	
IC502	AN6554NSFE2	I. C. BUFFER AMP.	
IC503	AN6554NSFE2	I. C. L. P. FILTER AMP	
IC606	BU2040F-T2	I. C. SYSTEM CONTROL	
IC801	M38174M8128F	I. C. SYSTEM CONT. FL DRIVE	
IC802	LC6514B4752	I. C. FL DRIVE CONTROL	
IC901	MC14052BFR2	I. C. ANALOG MULTIPLEXER	
		TRANSISTOR(S)	
Q11, 12	2SA1309A-R	TRANSISTOR	
Q13	2SC3311A-Q	TRANSISTOR	
Q14, 15	DTC114ESTP	TRANSISTOR	
Q501, 502	DTA114ESTP	TRANSISTOR	
Q503-506	2SD2144S	TRANSISTOR	
Q507, 508	2SC3327-A	TRANSISTOR	
Q509	DTA114ESTP	TRANSISTOR	
Q510, 511	DTC114ESTP	TRANSISTOR	
Q600	DTA114ESTP	TRANSISTOR	
Q611	2SD2144S	TRANSISTOR	
Q700	2SD1762EF	TRANSISTOR	
Q701	2SD2037DEFTA	TRANSISTOR	
Q702	2SB1357DEFTA	TRANSISTOR	
Q703	KSD471ACYGTA	TRANSISTOR	
Q704	2SD1762EF	TRANSISTOR	
Q705	KSB564ACYGTA	TRANSISTOR	
Q706	2SC3311A-Q	TRANSISTOR	
Q707, 708	DTC144ESTP	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
Q709, 710	2SC3311A-Q	TRANSISTOR	
Q801-806	DTA114ESTP	TRANSISTOR	
Q810	DTC144ESTP	TRANSISTOR	
Q811	DTC114YSTP	TRANSISTOR	
Q812-817	DTA114ESTP	TRANSISTOR	
Q901	2SA1309A-R	TRANSISTOR	
Q902, 903	2SC3311A-Q	TRANSISTOR	
		DIODE(S)	
D11-15	MA165	DIODE	
D17, 18	MA165	DIODE	
D20	MA165	DIODE	
D301	MA4051MTA	DIODE	
D302-304	MA165	DIODE	
D307	MA165	DIODE	
D630	MA700	DIODE	
D701-704	1SR35200TB	DIODE	⚠
D705, 706	MA4100MTA	DIODE	
D707	MA4056HTA	DIODE	
D708	MA4062MTA	DIODE	
D709	MA4270	DIODE	
D710	MA4043M	DIODE	
D711	MA165	DIODE	
D712	1SS291TA	DIODE	
D713	MA167	DIODE	⚠
D714, 715	MA165	DIODE	⚠
D717	MA165	DIODE	
D720	MA165	DIODE	
D721	1SR35200TB	DIODE	⚠
D800	1SS291TA	DIODE	
D801	MA165	DIODE	
D803-811	MA165	DIODE	
D813, 814	LN873RP-C	LED	
D815-818	MA165	DIODE	
D901	MA4051MTA	DIODE	
D902, 903	MA165	DIODE	
		COIL(S)	
L10	RLQZP1R2KT-Y	COIL	
L11-14	RLQZP1R0KT-Y	COIL	
L70-72	RLQZP1R2KT-Y	COIL	
L94	ELESNR47MA	COIL	
L102	RLQZP101KT-Y	COIL	
L104	RLQZP101KT-Y	COIL	
L300	ELESN101KA	COIL	

Ref. No.	Part No.	Part Name & Description	Remarks
L301	RLQZP1R0KT-Y	COIL	
L302, 303	RLQZP101KT-Y	COIL	
L310	RLQZP100KT-Y	COIL	
L501	RLQZP101KT-Y	COIL	
L801, 802	ELEXT101KA9	COIL	
		OSCILLATOR(S)	
X11	RSXZ16M9M01T	OSCILLATOR	
X801	EFOGC6004T4	CERAMIC FILTER	
X802	EFOGC3004T4	OSCILLATOR	
		DISPLAY TUBE	
FL801	RSL0113-F	DISPLAY TUBE	⚠
		SWITCH(ES)	
S801	EVQ21405R	S.W. EQ ON/FLAT	
S802	EVQ21405R	S.W. BAND(DOWN)	
S803	EVQ21405R	S.W. BAND(UP)	
S804	EVQ21405R	S.W. LEVEL(DOWN)	
S805	EVQ21405R	S.W. LEVEL(UP)	
S806	EVQ21405R	S.W. SLOPE(Q)	
S807	EVQ21405R	S.W. FIXED MODE	
S808	EVQ21405R	S.W. USER MODE	
S809	EVQ21405R	S.W. MEMORY	
S810	EVQ21405R	S.W. SFP ON/OFF	
S811	EVQ21405R	S.W. DEMO	
S812	EVQ21405R	S.W. KARAOKE	
S818	EVQ21405R	S.W. DISPLAY	
S819	EVQ21405R	S.W. JOG MODE	
		CONNECTOR(S)	
CN801-803	SJS50581BB	SOCKET(5P)	
CP804A	RJU003K008M1	SOCKET(8P)	
CP805A	RJU003K008M1	SOCKET(8P)	
CP806A	RJU003K008M1	SOCKET(8P)	
CP807A	RJU003K010M1	SOCKET(10P)	
CN901	RJU057W007	SOCKET(7P)	
CP801-803	SJT30549BB1	CONNECTOR	
CP804-806	RJT003K008M1	CONNECTOR(8P)	
CP807	RJT003K010M1	CONNECTOR(10P)	
CP901	RJT057W007-1	CONNECTOR(7P)	
		TERMINAL	
E100	RMC0073	GND	
E701	SNE1004-1	EARTH TERMINAL	
E900	RJR0008-1	GND	

Ref. No.	Part No.	Part Name & Description	Remarks
		VARIABLE RESISTOR	
JOG801	EVQWPA02224B	JOG VOLUME	
		POWER TRANSFORMER	
PT701	RTP114G002	POWER TRANSFORMER	⚠
		JACK(S)	
JK101	RJT055K015-1	CONNECTOR(15P)	
JK201, 202	SJF3069-5N	JACK, PHONO/VCR/DAT	
JK901	SJF3061N	JACK, VCR/VDP(VIDEO)	

■ CABINET PARTS LOCATION

Notes : * Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads(pF) F=Farads(F)
* Resistance values are in ohms, unless specified otherwise, 1K=1,000(OHM) , 1M=1,000k(OHM)

Ref. No.	Part No.	Values & Remarks
		RESISTORS
R1-5	ERDS2TJ102	1/4W 1K
R14	ERDS2TJ184T	1/4W 180K
R15-17	ERDS2TJ102	1/4W 1K
R18-20	ERDS2TJ103	1/4W 10K
R21	ERDS2TJ243T	1/4W 24K
R22	ERDS2TJ512T	1/4W 5.1K
R23	ERDS2TJ151	1/4W 150
R24	ERDS2TJ392T	1/4W 3.9K
R25	ERDS2TJ103	1/4W 10K
R27, 28	ERDS2TJ102	1/4W 1K
R31	ERDS2TJ102	1/4W 1K
R32	ERDS2TJ103	1/4W 10K
R33	ERDS2TJ101	1/4W 100
R34	ERDS2TJ331	1/4W 330
R35	ERDS2TJ561	1/4W 560
R38, 39	ERDS2TJ104	1/4W 100K
R41	ERDS2TJ105T	1/4W 1M
R42	ERDS2TJ102	1/4W 1K
R43-45	ERDS2TJ563	1/4W 56K
R46, 47	ERDS2TJ103	1/4W 10K
R51	ERDS2TJ822	1/4W 8.2K
R52-55	ERDS2TJ331	1/4W 330
R56	ERDS2TJ333	1/4W 33K
R70	ERDS2TJ151	1/4W 150
R71-73	ERDS2TJ102	1/4W 1K
R101-106	ERDS2TJ102	1/4W 1K
R107, 108	ERDS2TJ682T	1/4W 6.8K
R109-112	ERDS2TJ102	1/4W 1K
R116	ERDS2TJ102	1/4W 1K
R119, 120	ERDS2TJ563	1/4W 56K
R121, 122	ERDS2TJ184T	1/4W 180K
R123, 124	ERDS2TJ271	1/4W 270
R125, 126	ERDS2TJ184T	1/4W 180K
R127, 128	ERDS2TJ123	1/4W 12K
R129, 130	ERDS2TJ102	1/4W 1K
R131, 132	ERDS2TJ224T	1/4W 220K
R133, 134	ERDS2TJ680T	1/4W 68
R137, 138	ERDS2TJ101	1/4W 100
R201, 202	ERDS2TJ102	1/4W 1K
R203, 204	ERDS2TJ224T	1/4W 220K
R205, 206	ERDS2TJ562	1/4W 5.6K
R209, 210	ERDS2TJ562	1/4W 5.6K
R215, 216	ERDS2TJ223	1/4W 22K
R217, 218	ERDS2TJ101	1/4W 100
R219, 220	ERDS2TJ682T	1/4W 6.8K
R221, 222	ERDS2TJ104	1/4W 100K

Ref. No.	Part No.	Values & Remarks
R223, 224	ERDS2TJ223	1/4W 22K
R301, 302	ERDS2TJ222	1/4W 2.2K
R303	ERDS1FVJ820T	1/2W 82 ⚠
R304	ERDS2TJ102	1/4W 1K
R305	ERDS2TJ103	1/4W 10K
R306	ERDS2TJ560T	1/4W 56
R307, 308	ERDS2TJ101	1/4W 100
R309	ERDS2TJ474	1/4W 470K
R310	ERDS2TJ105T	1/4W 1M
R311-319	ERDS2TJ101	1/4W 100
R322-325	ERDS2TJ101	1/4W 100
R326, 327	ERDS2TJ102	1/4W 1K
R328	ERDS2TJ221	1/4W 220
R330-332	ERDS2TJ102	1/4W 1K
R334-337	ERDS2TJ101	1/4W 100
R340, 341	ERDS2TJ102	1/4W 1K
R342	ERDS2TJ103	1/4W 10K
R343-352	ERDS2TJ102	1/4W 1K
R354-356	ERDS2TJ103	1/4W 10K
R359-361	ERDS2TJ103	1/4W 10K
R363, 364	ERDS2TJ102	1/4W 1K
R366	ERDS2TJ4R7T	1/4W 4.7
R371	ERDS2TJ222	1/4W 2.2K
R372	ERDS2EJ121	1/4W 120
R373	ERDS2TJ100	1/4W 10
R374	ERDS2TJ102	1/4W 1K
R400	ERDS2TJ104	1/4W 100K
R402	ERDS2TJ561	1/4W 560
R500	ERDS2TJ105T	1/4W 1M
R501	ERDS2TJ103	1/4W 10K
R502	ERDS2TJ102	1/4W 1K
R503, 504	ERDS2TJ152	1/4W 1.5K
R505	ERDS2TJ221	1/4W 220
R507, 508	ERDS2TJ123	1/4W 12K
R511, 512	ERDS2TJ223	1/4W 22K
R513, 514	ERDS2TJ512T	1/4W 5.1K
R515, 516	ERDS2TJ242	1/4W 2.4K
R517, 518	ERDS2TJ103	1/4W 10K
R519, 520	ERDS2TJ561	1/4W 560
R521, 522	ERDS2TJ563	1/4W 56K
R525, 526	ERDS2TJ223	1/4W 22K
R527, 528	ERDS2TJ332	1/4W 3.3K
R529, 530	ERDS2TJ103	1/4W 10K
R531-534	ERDS2TJ102	1/4W 1K
R539, 540	ERDS2TJ822	1/4W 8.2K
R541, 542	ERDS2TJ272T	1/4W 2.7K
R543	ERDS2TJ472	1/4W 4.7K
R544	ERDS2TJ104	1/4W 100K
R545	ERDS2TJ103	1/4W 10K

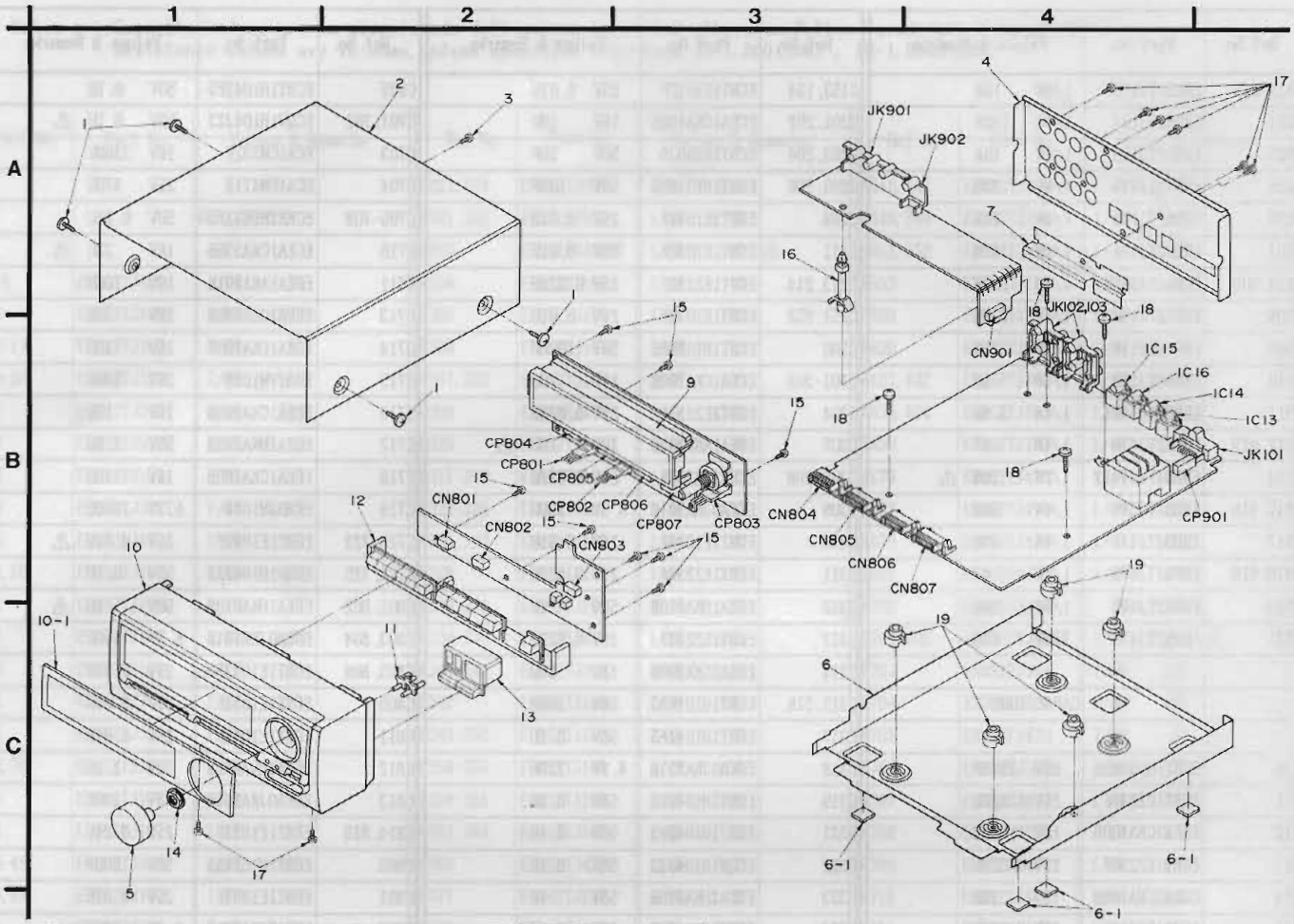
Ref. No.	Part No.	Values & Remarks
R546, 547	ERDS2TJ104	1/4W 100K
R548, 549	ERDS2TJ102	1/4W 1K
R551, 552	ERDS2TJ222	1/4W 2.2K
R553	ERDS2TJ100	1/4W 10
R600	ERDS2TJ332	1/4W 3.3K
R630	ERDS2TJ682T	1/4W 6.8K
R631, 632	ERDS2TJ102	1/4W 1K
R633, 634	ERDS2TJ683	1/4W 68K
R650	ERDS2TJ103	1/4W 10K
R675	ERDS2TJ473	1/4W 47K
R677	ERDS2TJ473	1/4W 47K
R679	ERDS2TJ473	1/4W 47K
R681	ERDS2TJ473	1/4W 47K
R700	ERX1SJ3R9E	1W 3.9
R701, 702	ERD2FCVJ4R7T	1/4W 4.7 ⚠
R703	ERDS2TJ391	1/4W 390
R704	ERDS2TJ821	1/4W 820
R705	ERD25FJ470	1/4W 47 ⚠
R706	ERDS2TJ102	1/4W 1K
R707	ERDS2TJ331	1/4W 330
R708	ERX1SJ3R9E	1W 3.9
R709	ERDS2TJ471	1/4W 470
R710	ERDS2TJ561	1/4W 560
R711	ERDS2TJ332	1/4W 3.3K
R712	ERX1SJ3R9E	1W 3.9
R713	ERDS2TJ102	1/4W 1K ⚠
R714, 715	ERDS2TJ101	1/4W 100 ⚠
R716	ERDS2TJ153	1/4W 15K
R717	ERDS2TJ103	1/4W 10K
R718	ERDS2TJ102	1/4W 1K
R719	ERDS2TJ393	1/4W 39K
R720	ERDS2TJ470	1/4W 47
R721, 722	ERDS2TJ393	1/4W 39K
R723	ERDS2TJ223	1/4W 22K
R724, 725	ERDS2TJ470	1/4W 47
R726-728	ERDS2TJ393	1/4W 39K
R729	ERDS2TJ223	1/4W 22K
R730	ERDS2TJ470	1/4W 47
R731	ERDS2TJ101	1/4W 100
R733, 734	ERDS2TJR47T	1/4W 0.47
R740	ERDS1FVJ2R2T	1/2W 2.2 ⚠
R741	ERDS2TJ101	1/4W 100
R800	ERDS2TJ223	1/4W 22K
R801	ERDS2TJ122	1/4W 1.2K
R803	ERDS2TJ103	1/4W 10K
R805-813	ERDS2TJ104	1/4W 100K
R814	ERDS2TJ122	1/4W 1.2K
R815	ERDS2TJ105T	1/4W 1M
R816-818	ERDS2TJ103	1/4W 10K

Ref. No.	Part No.	Values & Remarks
R819, 820	ERDS2TJ153	1/4W 15K
R821	ERDS2TJ104	1/4W 100K
R825	ERDS2TJ103	1/4W 10K
R826	ERDS2TJ331	1/4W 330
R830	ERDS2TJ103	1/4W 10K
R902	ERDS2TJ471	1/4W 470
R904, 905	ERDS2TJ392T	1/4W 3.9K
R906	ERDS2TJ152	1/4W 1.5K
R909	ERG1SJ151E	1W 150
R910	ERDS2TJ102	1/4W 1K
R911	ERDS2TJ392T	1/4W 3.9K
R912, 913	ERDS2TJ470	1/4W 47
R914	ERDS1FVJ101T	1/2W 100 ⚠
R915, 916	ERDS2TJ561	1/4W 560
R917	ERDS2TJ471	1/4W 470
R918, 919	ERDS2TJ470	1/4W 47
R920	ERDS2TJ393	1/4W 39K
R921	ERDS2TJ471	1/4W 470
		CAPACITORS
C10	ECBT1H102KB5	50V 1000P
C11	ECBT1E223ZF	25V 0.022U
C12	ECEA1CKA100B	16V 10U
C13	ECBT1E223ZF	25V 0.022U
C14	ECEA1CKA100B	16V 10U
C15	ECBT1E223ZF	25V 0.022U
C16	ECEA1CKA100B	16V 10U
C17	ECBT1E223ZF	25V 0.022U
C22	ECEA0JKA470B	6.3V 47U
C23	ECEA1HKA010B	50V 1U
C24	ECEA0JKA101B	6.3V 100U
C25	ECBT1E223ZF	25V 0.022U
C26	ECQB1H103JF3	50V 0.01U
C28	ECBT1C103KS5	16V 0.01U
C29, 30	ECBT1H300J5	50V 30P
C34	ECEA1CKA100B	16V 10U
C35-38	ECBT1E103ZF	25V 0.01U
C39	ECBT1H102KB5	50V 1000P
C70	ECBT1H101KB5	50V 100P
C72	ECBT1H102KB5	50V 1000P
C100	ECBT1C103KS5	16V 0.01U
C101-110	ECBT1H101KB5	50V 100P
C111, 112	ECEA1HKA3R3B	50V 3.3U
C113, 114	ECBT1H331KB5	50V 330P
C115, 116	ECBT1H102KB5	50V 1000P
C117, 118	ECFR1E223KR	25V 0.022U
C119, 120	ECFR1H682KR	50V 6800P
C121, 122	ECEA1AKA330B	10V 33U
C123, 124	ECEA1HKA3R3B	50V 3.3U
C127, 128	ECEA1CKA100B	16V 10U
C151, 152	ECBT1H102KB5	50V 1000P

Ref. No.	Part No.	Values & Remarks
C153, 154	ECBT1E103ZF	25V 0.01U
C201, 202	ECEA1CKA100B	16V 10U
C203, 204	ECBT1H300J5	50V 30P
C205, 206	ECBT1H101KB5	50V 100P
C209	ECBT1E103ZF	25V 0.01U
C211	ECBT1E103ZF	25V 0.01U
C213, 214	ECBT1E223ZF	25V 0.022U
C251, 252	ECBT1E103ZF	25V 0.01U
C300	ECBT1H102KB5	50V 1000P
C301-303	ECEA1CKA100B	16V 10U
C304	ECBT1E223ZF	25V 0.022U
C305	ECEA1AKN100B	10V 10U ⚠
C306-308	ECBT1E223ZF	25V 0.022U
C309	ECEA0JKA101B	6.3V 100U
C310	ECBT1E103ZF	25V 0.01U
C311	ECBT1E223ZF	25V 0.022U
C312	ECEA1HKA010B	50V 1U
C313	ECBT1E223ZF	25V 0.022U
C314	ECEA1CKA100B	16V 10U
C315, 316	ECBT1H101KB5	50V 100P
C317	ECBT1H104ZF5	50V 0.1U
C318	ECEA0JKA221B	6.3V 220U
C319	ECBT1H104ZF5	50V 0.1U
C321	ECBT1H104ZF5	50V 0.1U
C322	ECQV1H104JZ3	50V 0.1U
C323	ECEA1HKA010B	50V 1U
C324	ECBT1H104ZF5	50V 0.1U
C371	ECEA0JKA101B	6.3V 100U
C400	ECEA1HKA3R3B	50V 3.3U
C420	ECEA1HKA010B	50V 1U
C501	ECBT1C103KS5	16V 0.01U
C502	ECQV1H104JZ3	50V 0.1U
C503	ECEA0JKA221B	6.3V 220U
C504	ECEA1CKA101B	16V 100U
C505	ECBT1E103ZF	25V 0.01U
C507, 508	ECBT1H331KB5	50V 330P
C510	ECEA0JKA101B	6.3V 100U
C511, 512	ECEA1CKA100B	16V 10U
C513, 514	ECBT1H680J5	50V 68P
C517, 518	ECEA1HKAR22B	50V 0.22U
C519, 520	ECEA1CKA100B	16V 10U
C521, 522	ECBT1H102KB5	50V 1000P
C526	ECBT1E103ZF	25V 0.01U
C527	ECBT1H104ZF5	50V 0.1U
C541, 542	ECEA1CKA100B	16V 10U
C543	ECBT1H104ZF5	50V 0.1U
C598, 599	ECBT1C103KS5	16V 0.01U
C600	ECEA1CKA100B	16V 10U
C603	ECBT1E223ZF	25V 0.022U
C631, 632	ECBT1H101KB5	50V 100P
C633	ECEA1CKA100B	16V 10U
C634	ECEA0JKA101B	6.3V 100U

Ref. No.	Part No.	Values & Remarks
C635	ECBT1H104ZF5	50V 0.1U
C701, 702	ECQV1H104JZ3	50V 0.1U ⚠
C703	ECA1CM332E	16V 3300U
C704	ECA1EM471B	25V 470U
C705-709	ECKR1H103ZF5	50V 0.01U
C710	ECEA1CKA330B	16V 33U ⚠
C711	ECEA1AKA101B	10V 100U
C713	ECEA1CKA330B	16V 33U
C714	ECEA1CKA100B	16V 10U
C715	ECA1VM101B	35V 100U
C716	ECEA1CKA100B	16V 10U
C717	ECEA1HKA2R2B	50V 2.2U
C718	ECEA1CKA100B	16V 10U
C719	ECA0JM102B	6.3V 1000U
C720-723	ECBT1E103ZF	25V 0.01U ⚠
C724, 725	ECQV1H104JZ3	50V 0.1U
C801, 802	ECEA1HKA010B	50V 1U ⚠
C803, 804	ECEA0JKA101B	6.3V 100U
C805, 806	ECBT1E103ZF	25V 0.01U
C809	ECBT1E103ZF	25V 0.01U
C811	ECBT1E103ZF	25V 0.01U
C812	ECEA1HKA2R2B	50V 2.2U
C813	ECEA0JKA101B	6.3V 100U
C814, 815	ECBT1E103ZF	25V 0.01U
C900	ECBT1H102KB5	50V 1000P
C901	ECBT1E103ZF	25V 0.01U
C902	ECEA0JKA221B	6.3V 220U
C903	ECEA1AKA470B	10V 47U
C904	ECEA1CKA470B	16V 47U

■ CABINET PARTS LOCATION



Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS	
1	RHD30007	SCREW	
2	RKM0131-1K	CABINET	
3	XTB3+8JFZ	SCREW	
4	RGR0134B-C1	REAR PANEL	
5	RGW0137-K1	KNOB, JOG	
6	RFKJSCH7N-K	BOTTOM BOARD ASS'Y	
6-1	SHG1654	FOOT	
7	RMN0161	ANGLE	
8	SNE2123	EARTH TERMINAL	
9	RMN0156	FL HOLDER	
10	RFKGHCH700EA	FRONT PANEL ASS'Y	
10-1	RFKGHCH700EB	FL PANEL	
11	RGL0156-C	PANEL LIGHT	
12	RGU0687-K1	BUTTON, EQ/SFP	
13	RGU0688-K1	BUTTON, MODE	
14	SNE4021-1	NUT	
15	XTBS26+8J	SCREW	
16	SHR9683	HOLDER	
17	XTBS3+8JFZ1	SCREW	
18	XTB3+12JFZ	SCREW	
19	SHE170-2	P.C.B. SPACER	

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