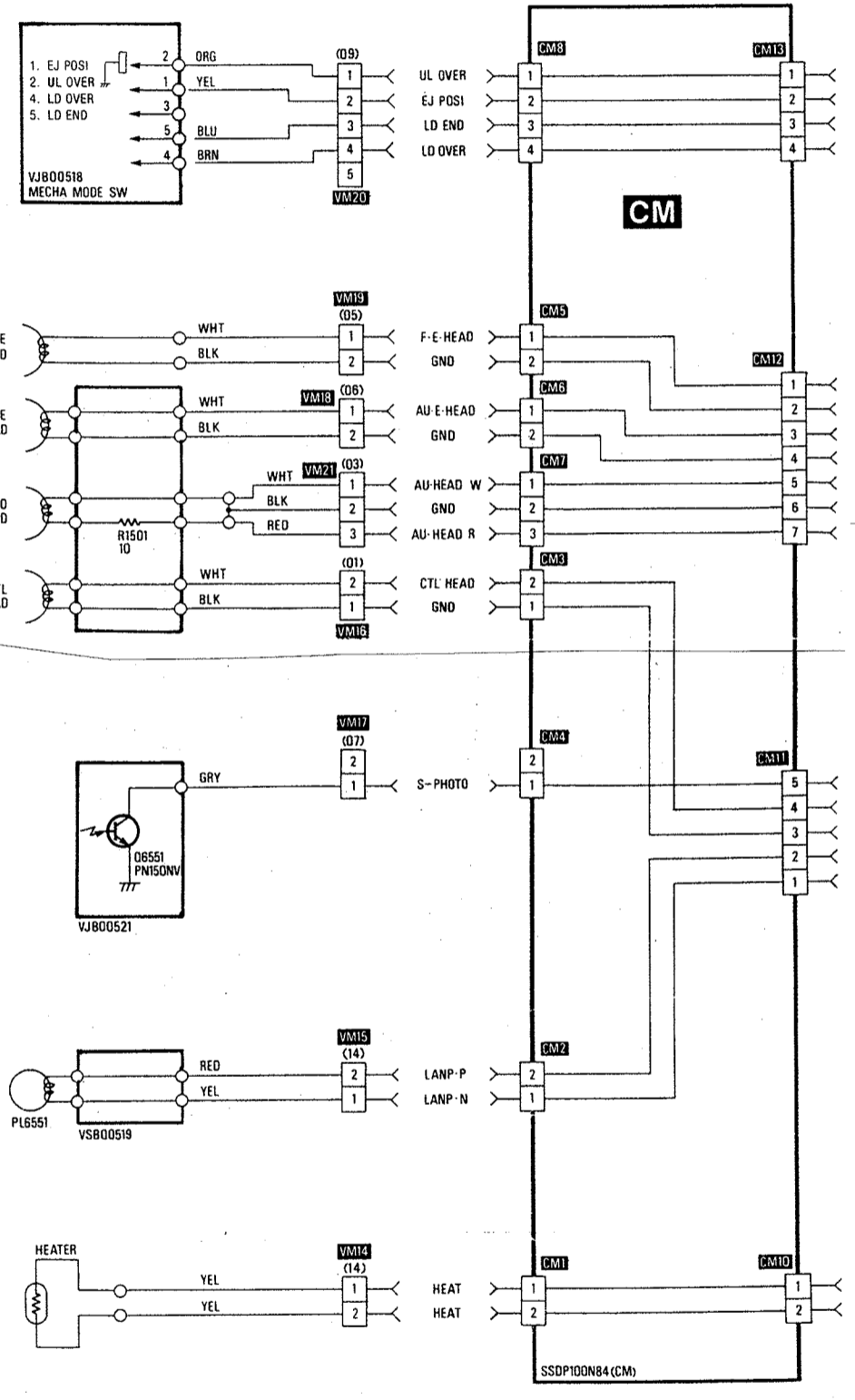
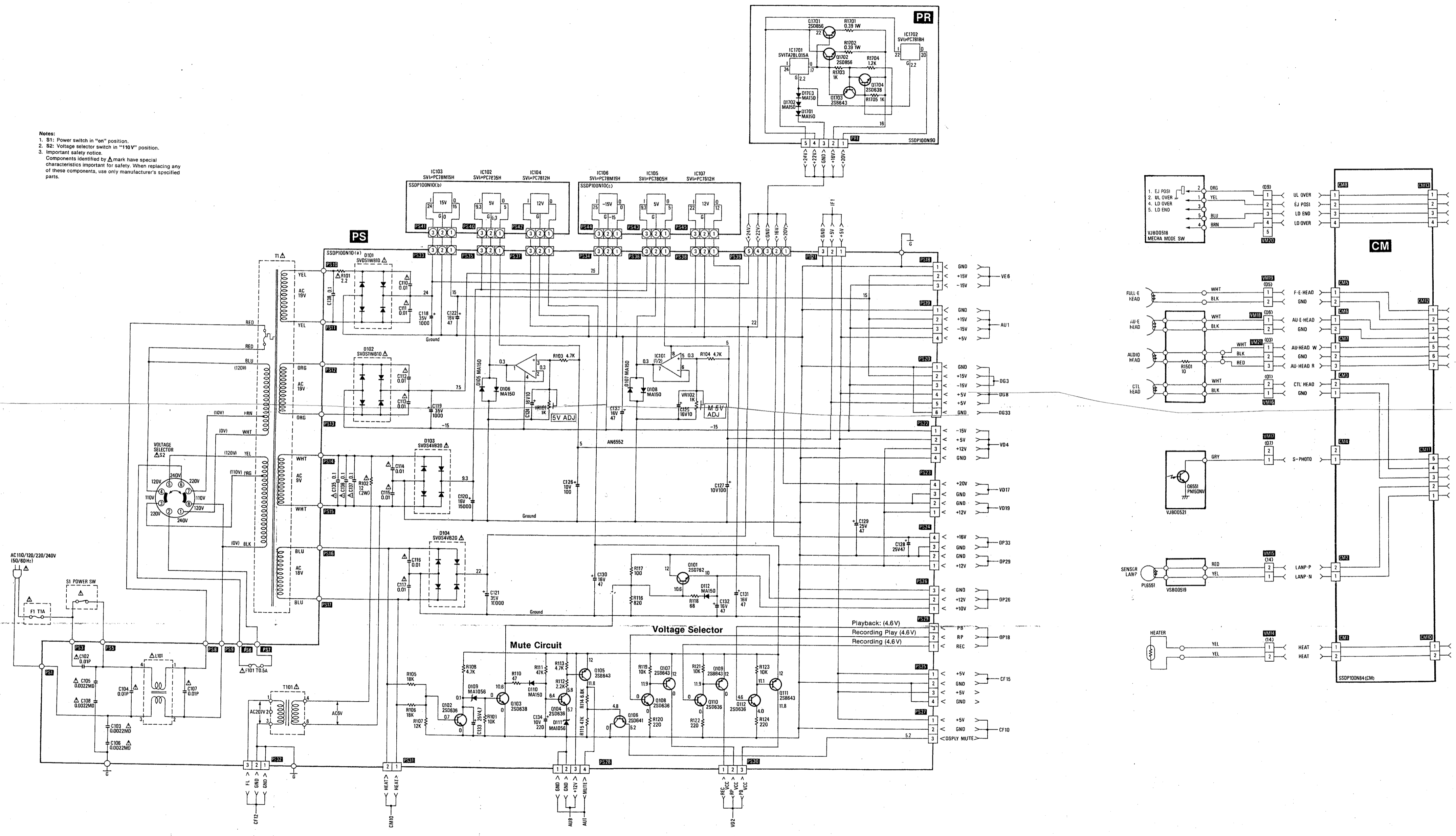
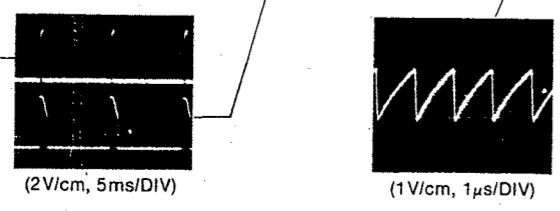
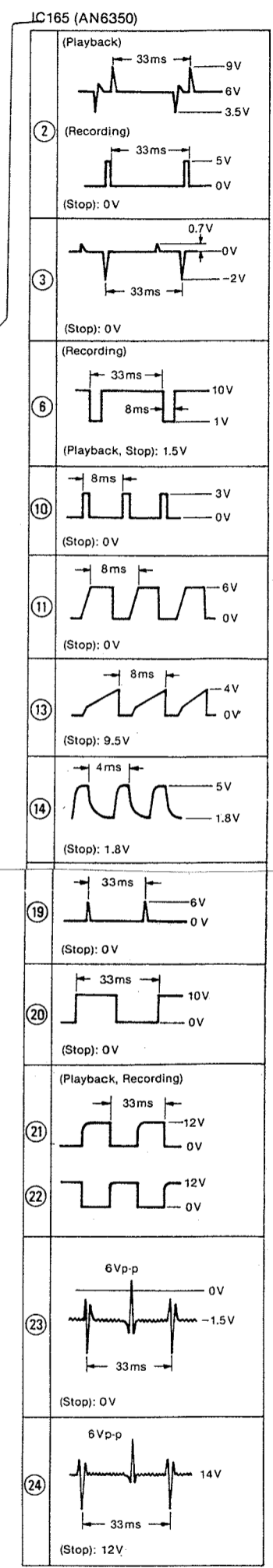
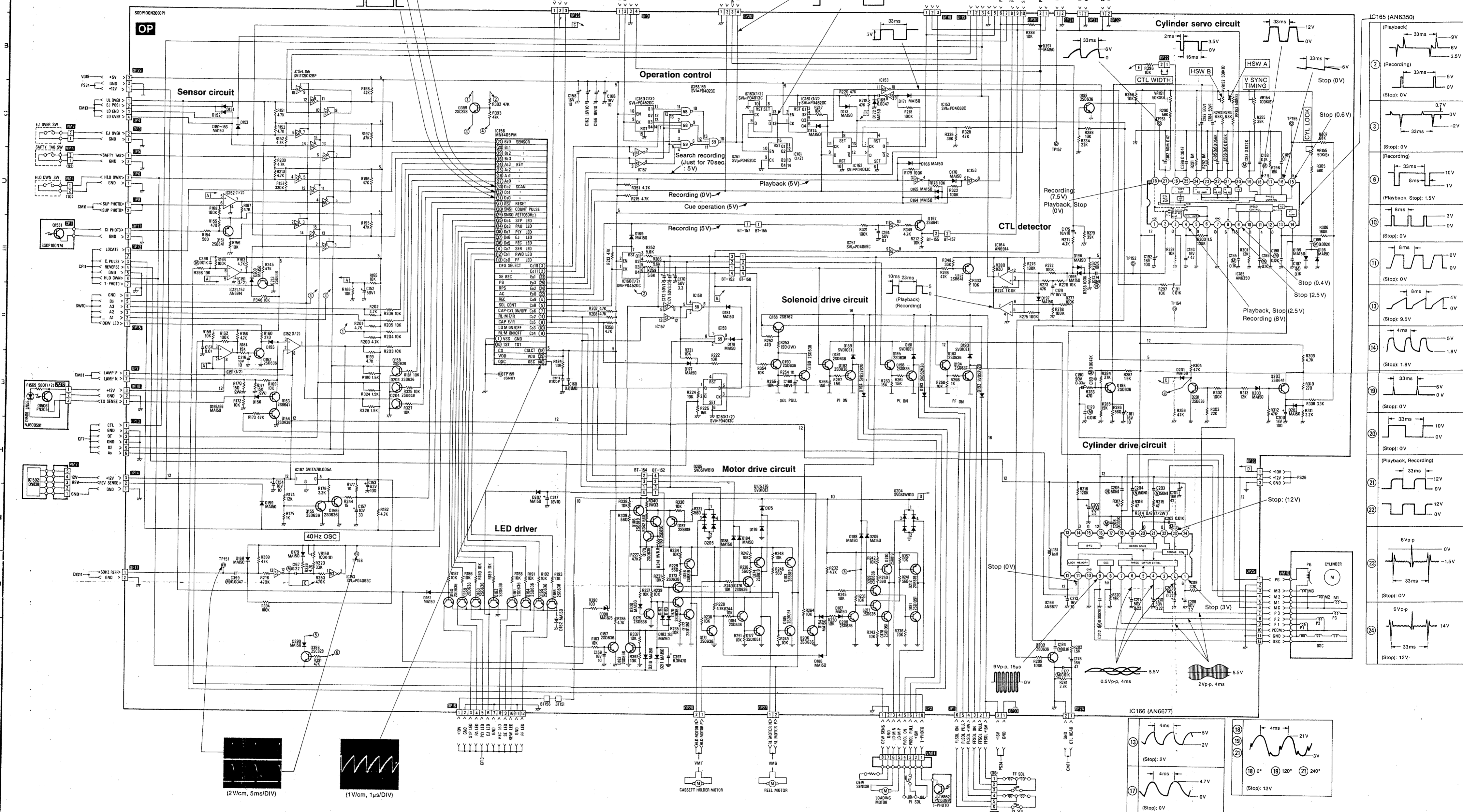


(6-1) POWER SUPPLY CIRCUIT

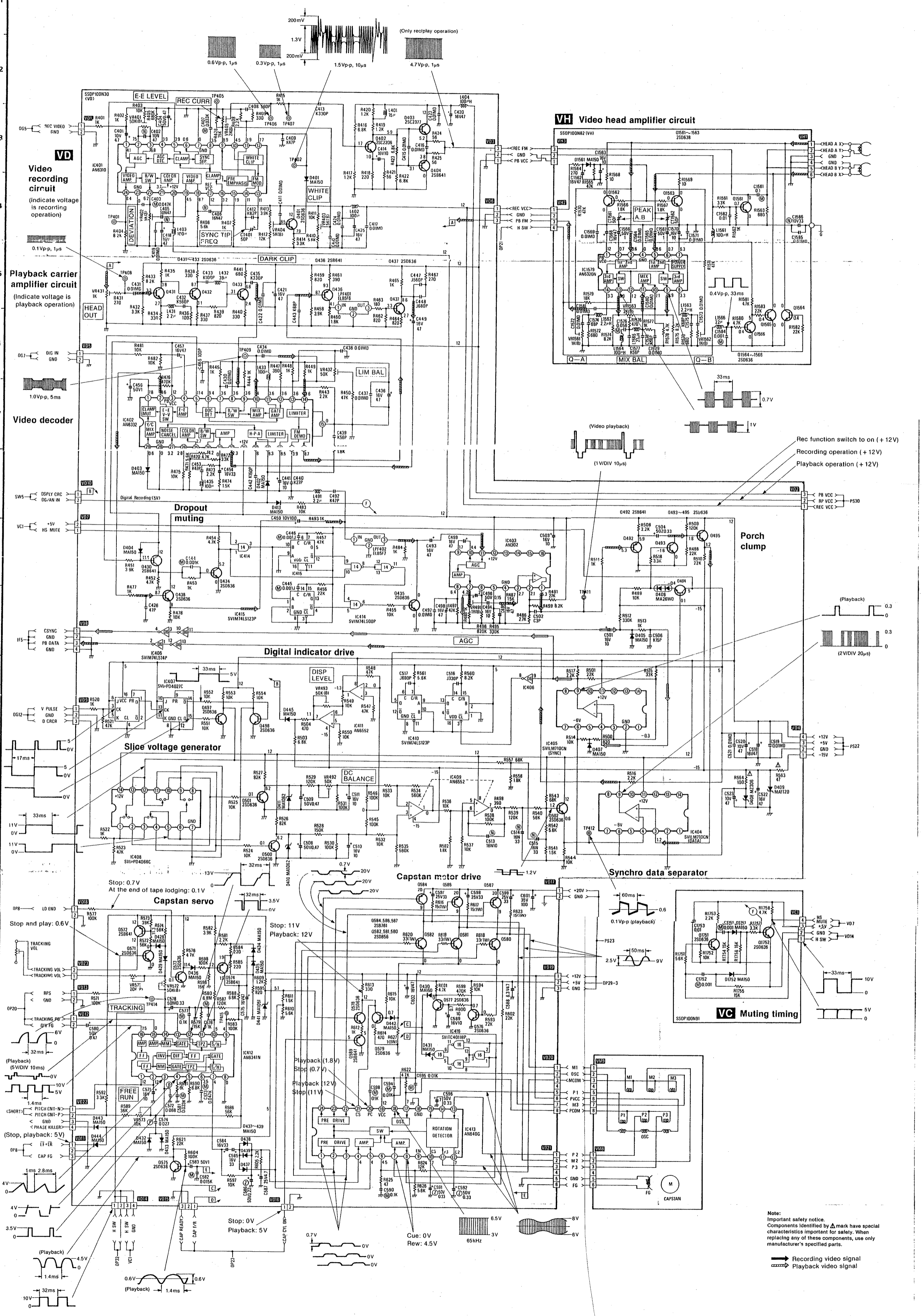
- Notes:**
 1. S1: Power switch in "on" position.
 2. S2: Voltage selector switch in "110V" position.
 3. Important safety notice:
 Components identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.



(6-2) OPERATION CONTROL CIRCUIT



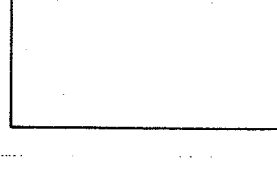
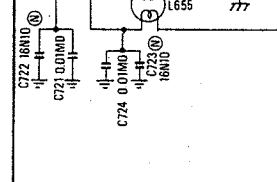
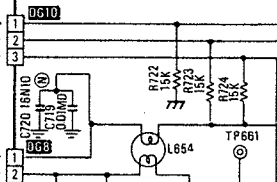
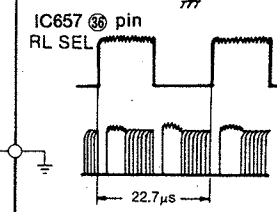
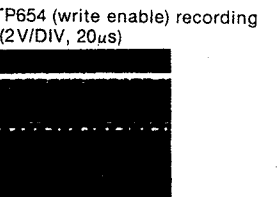
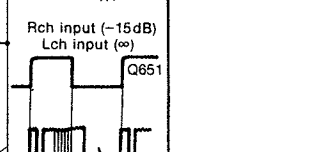
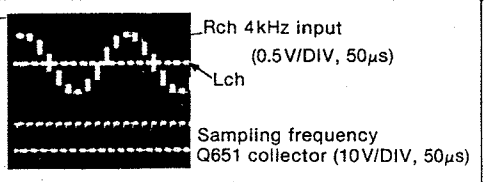
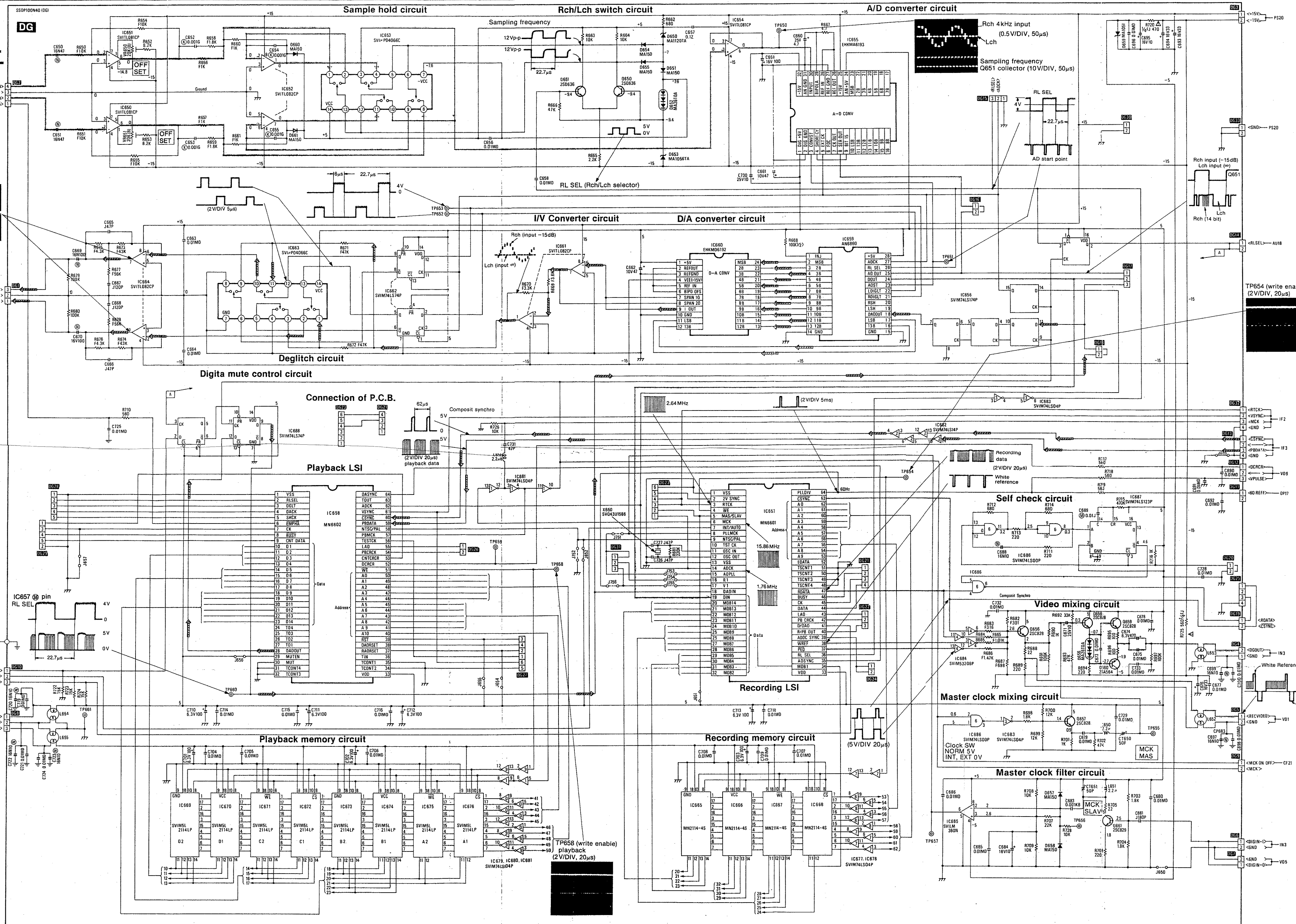
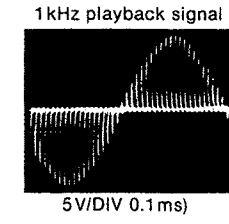
(6-3) VIDEO CIRCUIT



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

Recording video signal
Playback video signal

(6-4) DIGITAL CIRCUIT

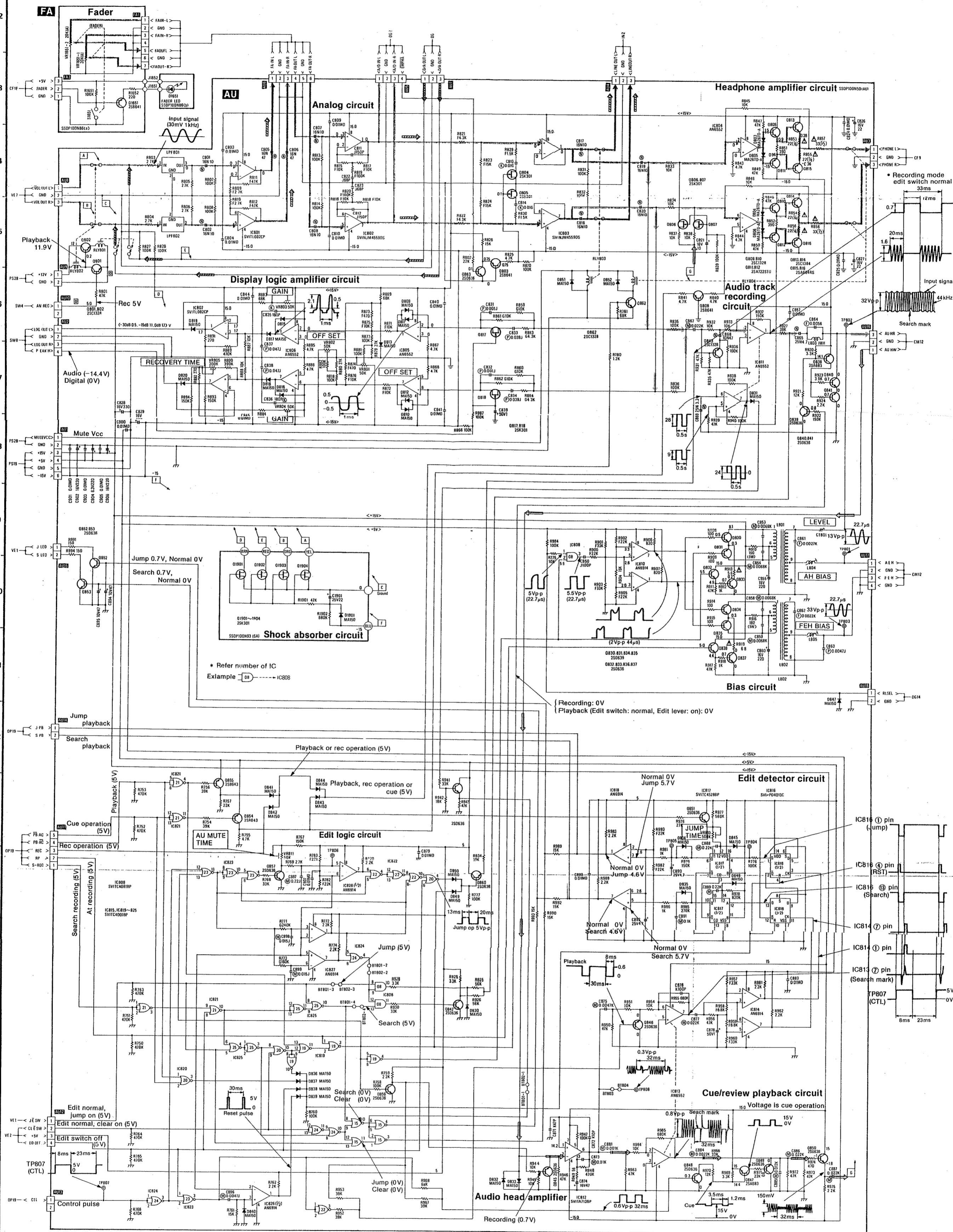


Note: Important safety notice. Components identified by Δ mark have special characteristics important for safe use. When replacing any of these components use only manufacturer's specified parts.

Recording signal (indicated by a solid line with a triangle)

Playback signal (indicated by a dashed line with a triangle)

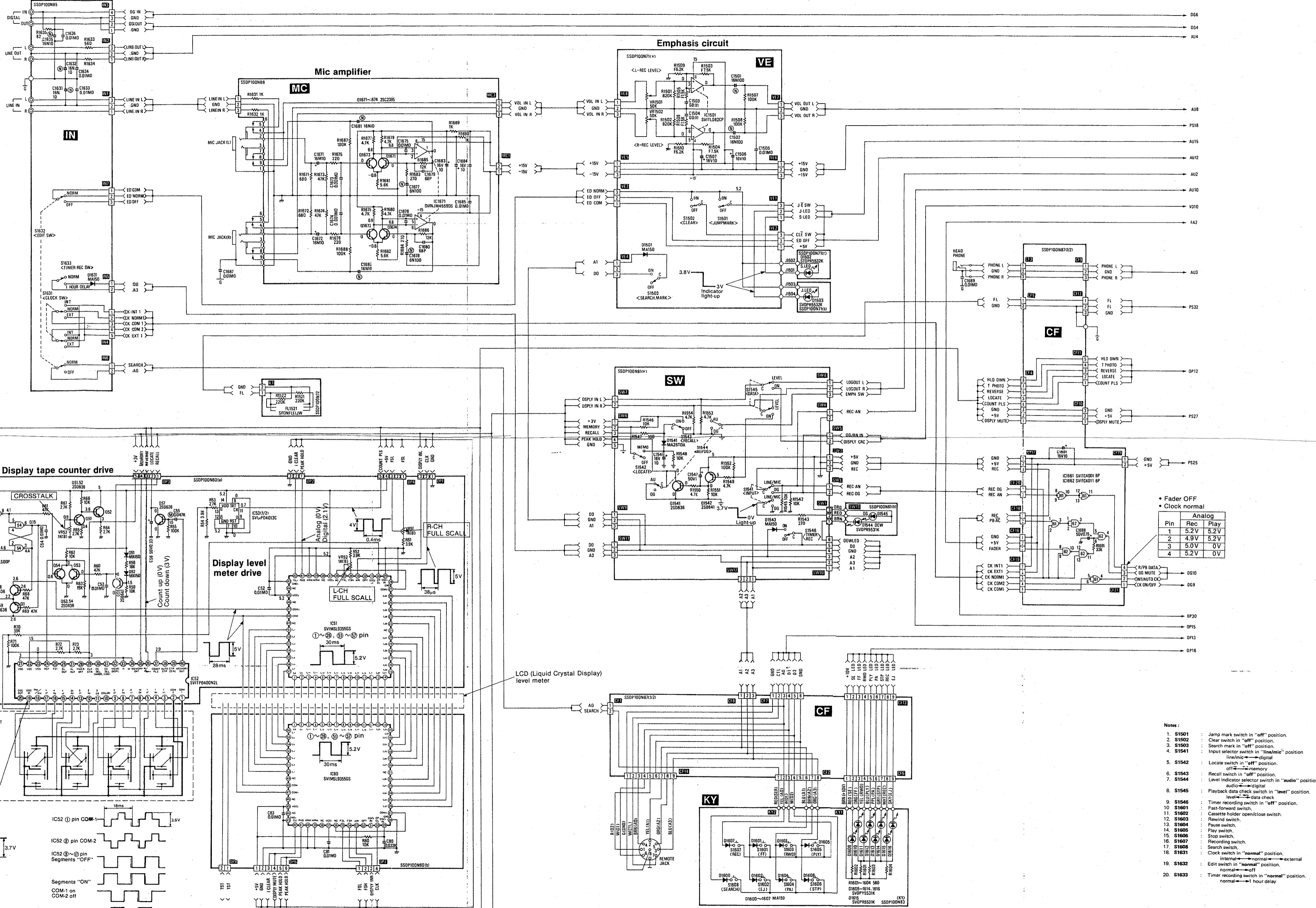
(6-5) AUDIO CIRCUIT



Recording signal
 Playback signal
 Audio head playback signal
 Audio head recording signal

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

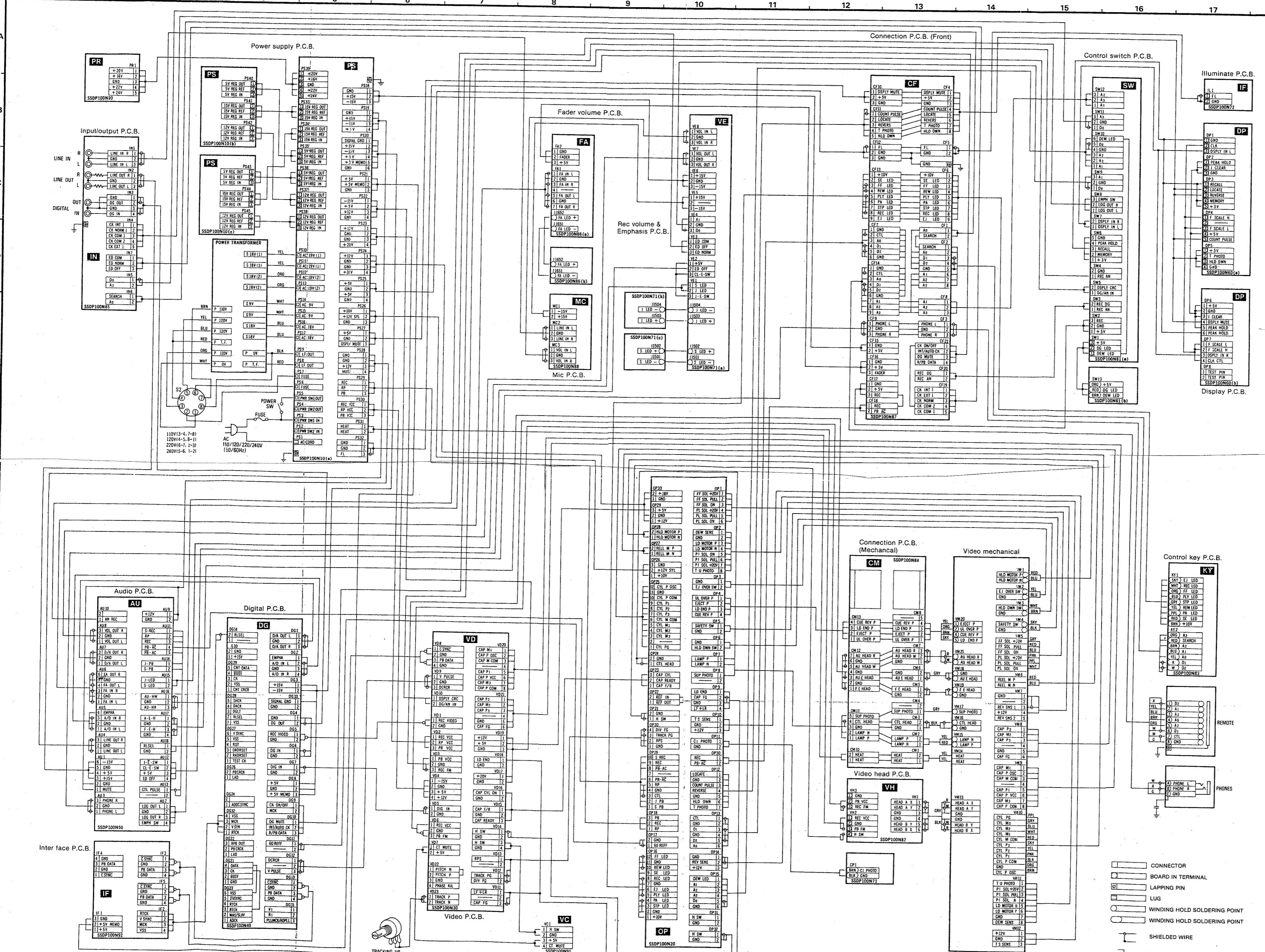
(6-6) INPUT/OUTPUT CIRCUIT



Fader OFF
Clock normal

Pin	Rec	Play
1	5.2V	5.2V
2	4.9V	5.2V
3	5.0V	0V
4	5.2V	0V

- Notes:
- S1501: Jump mark switch in "off" position.
 - S1502: Clear switch in "off" position.
 - S1503: Search mark in "off" position.
 - S1541: Input selector switch in "line/mic" position.
 - line/mic → digital
 - off → memory
 - S1542: Locate switch in "off" position.
 - S1544: Level indicator selector switch in "audio" position.
 - S1545: Playback data check switch in "level" position.
 - S1546: Timer recording switch in "off" position.
 - S1601: Fast-forward switch.
 - S1602: Cassette holder open/close switch.
 - S1603: Rewind switch.
 - S1604: Pause switch.
 - S1605: Play switch.
 - S1606: Stop switch.
 - S1607: Recalling switch.
 - S1608: Search switch.
 - S1631: Clock switch in "normal" position.
 - normal → normal
 - external → external
 - S1632: Edit switch in "normal" position.
 - normal → off
 - S1633: Timer recording switch in "normal" position.
 - normal → 1 hour delay



DESCRIPTION OF EACH TERMINAL

Mark	Description	Mark	Description
A0	Key Board Sensor	D SYNC	Data Synchronizing
A1	Key Board Sensor	ED - OFF	Edit Switch to Off
A2	Key Board Sensor	EJ F/R	Eject Motor Forward/Reverse
A3	Key Board Sensor	EJ OVER	Eject Over
AC	Audio Track Casting (Cue or Review)	EJ POSI	Eject Position
A/D	Analog to Digital	EMPHA	Emphasis Control Signal
AD CK	Clock for Analog to Digital	EMPH SW	Emphasis Switch
A - E - H	Audio Erase Head	F - E - H	Full Erase Head
AE HEAD	Audio Erase Head	FE HEAD	Full Erase Head
AN-REC Vcc	Analog Recording Vcc	FF SOL	Fast Forward Solenoid
AU	Audio Head (Red lead wire side)		
AU - HR	Audio Head (White lead wire side)	FL	Fluorescent Tube
AU - HW	Audio Head (White lead wire side)	FSH	Full Scale Low
CAP CYL ON	Capstan Cylinder On (Motor to Rotate)	FSL	Full Scale Low
CAP CYL-RDY	Capstan Cylinder Ready	HLD	Holder
CAP F/R	Capstan Motor Forward/Reverse	HLD DWN	Holder Down
CAP RDY	Capstan Ready	HLD MOTOR N	Holder Motor (Negative)
		HLD MOTOR P	Holder Motor (Positive)
CI PHOTO	Cassette In Photo	H S MUTE	Head Switching
CLK	Clock Frequency	H SYNC	Horizontal Synchronizing
CK ON/OFF	Clock On/Off		
CL - E - SW	Clear Switch by Edit Position to Normal	I CLEAR	Initialize Clear
CL SW	Clear Switch	INT/AUTO CK	Internal/External Auto Selector (MCK)
		J - E - SW	Jump Mark Recording Switch by Edit Position to Normal
COM	Common	J LED	Jump Light Emitting Diode
COUNT PLS	Count Pulse	J PB	Jump Playback
C - PULSE	Count Pulse	J SW	Jump Mark Recording Switch
CRC	Cyclic Redundancy Check	LAMP N	Lamp Negative
CS	Chip Selector	LAMP P	Lamp Positive
C SYNC	Composite Synchronizing	LCH IN	Left Channel Input
CTL	Control Signal	LD END	Left Channel End Signal
CTL HEAD	Control Head	LD DIGAL	Left Channel Digitch
D0	Scan Signal	LD - M - P	Loading Motor (Negative)
D1	Scan Signal	LD - M - P	Loading Motor (Positive)
D2	Scan Signal	LD OVER	Loading Over
D/A	Digital to Analog	LD ON/OFF	Loading Motor On/Off
DACK	Clock for Digital to Analog	LF	Loading Forward
DAD OUT	Output of Digital to Analog Data		
D CRCR	Data CRC		
DEW LED	Dew Light Emitting Diode		
DEW SENS	Dew Sensor	LOG OUT	Logarithm Output
D FG	Divided FG	LOCATE	Locate
DIV FG	Divided FG	LR	Loading Reverse
DGLT	Digitch	LSB	Least Significant Bit
DG MUTE	Digital Mute	MCK	Master Clock
DIG OUT 1	Output of Digital Signal	MSB	Most Significant Bit
DIGIN-0	Digital Input (No. 0)	MUTEN P	Muting
DIGIN-0	Digital Input (No. 0)	P	Parity Signal
DISPLAY CRC	Display Cyclic Redundancy Check	PAM	Pulse Amplitude Modulation
DISPLAY MUTE	Display Input of Right Channel	PB - AC	Playback Mode, Not Audio Track Casting (Normal Speed)
		PB - AC	Audio Track Casting (Cue) Playback Data
		PB DATA	Playback Data

Mark	Description	Mark	Description
PB FM	Playback of FM Signal	UL	Un Loading
PCM	Pulse Code Modulation	UL OVER	Un Loading Over
PEAK H	Peak Hold	V IN	Volume Input
PED	Pedestal	V PULSE	Vertical Pulse
P1 SOL	Pinch Solenoid		
PITCH/CNT	Pitch Control	WE	Write Enable
PL SOL	Play Solenoid	W REF	White Level Reference Signal
PS	Power Supply	60 Hz REFF	Reference Frequency (60 Hz)
Q	Q Parity Signal		
RAM	Read and Write (Random Access) Memory		
RCH IN	Right Channel Input		
R DATA	Recording Date		
R DIGL	Reel Digitch		
RECALL	Recall		
REC AN	Recording by Input Selector Switch to Analog		
REC DG	Recording by Digital		
REC FM	Recording of FM Signal		
REC VIDEO	Recording of Video Signal		
REEL MN	Reel Motor (Negative)		
REEL MP	Reel Motor (Positive)		
REFF	Reference Frequency		
REV SENS	Reverse Sensor		
RL MOTOR N	Reel Motor (Negative)		
RL MOTOR P	Reel Motor (Positive)		
RL ON/OFF	Reel Motor On/Off		
RL SEL	Right Channel/Left Channel Selector		
ROM	Read Only Memory		
R/PB DATA	Recording/Playback Data Sensor		
RP HA	Recording Play Head		
RPS	Reel Transformer Clock		
RTCK	Successive Approximation Register		
SAFETY TAB	Safety Tablet		
SAR -	Successive Approximation Register		
SE-FWD	Search Forward		
SER OUT	Search Data Output		
SE-RWD	Search Reverse		
S LED	Search Light Emitting Diode		
SOL PULL	Solenoid Pull		
S-REC	Search Recording		
S PB	Search Playback		
S - PH	Supply Photo		
SUP-PHOTO	Supply Photo		
S SW	Search Mark Recording Switch		
SYNC	Synchronizing		
T-PH	Tape Jp Photo Sensor		
TRACKING PG	Tracking Pulse Generator		
TS SENSE	Tape Slack Sense		
TST	Test		

Note:
The one with a bar above the alphabet represents that the operation is not included.

Example:
C SYNC Composite Synchronizing Signal
C SYNC Opposit Signal of Composite Synchronizing