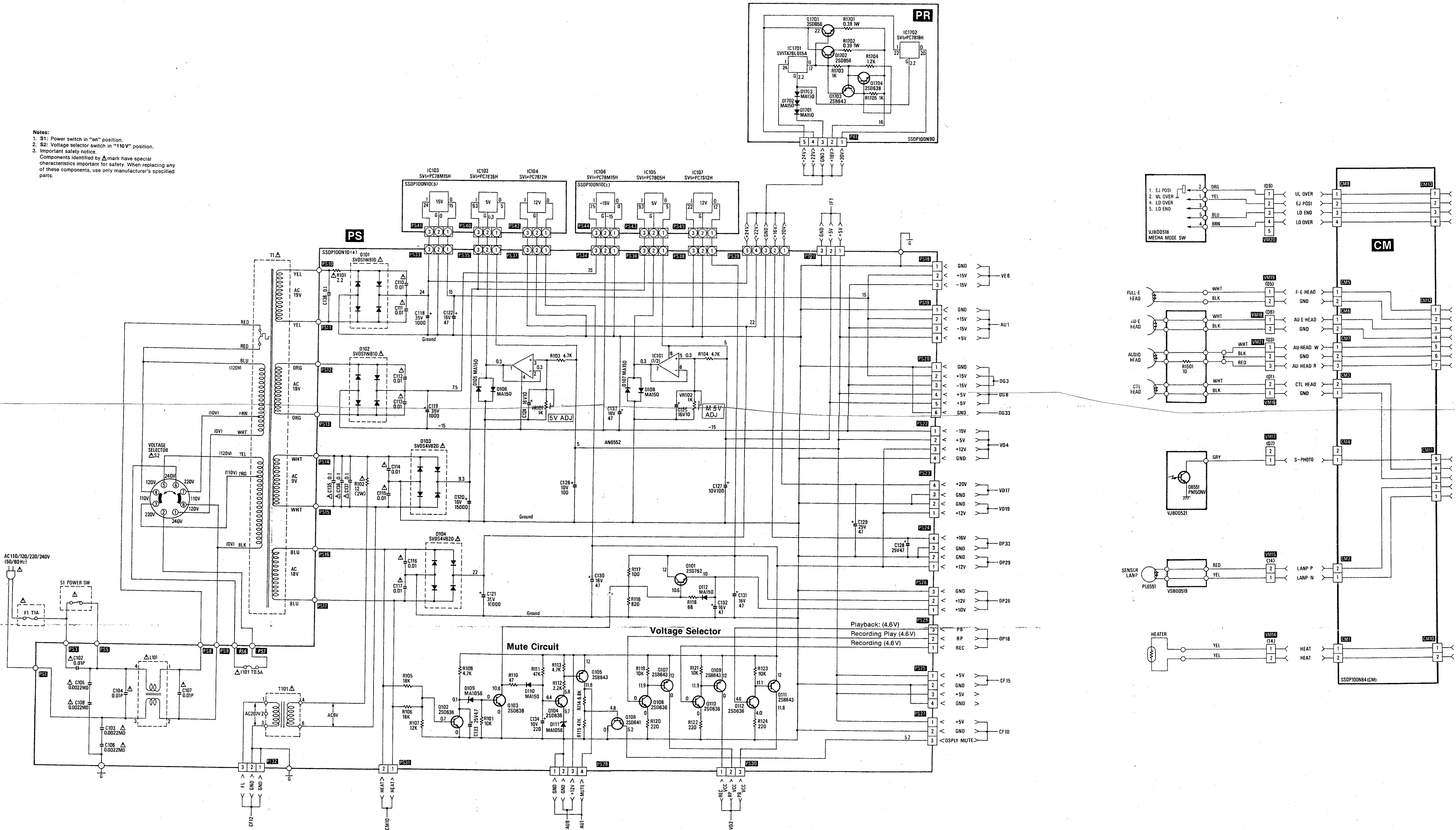


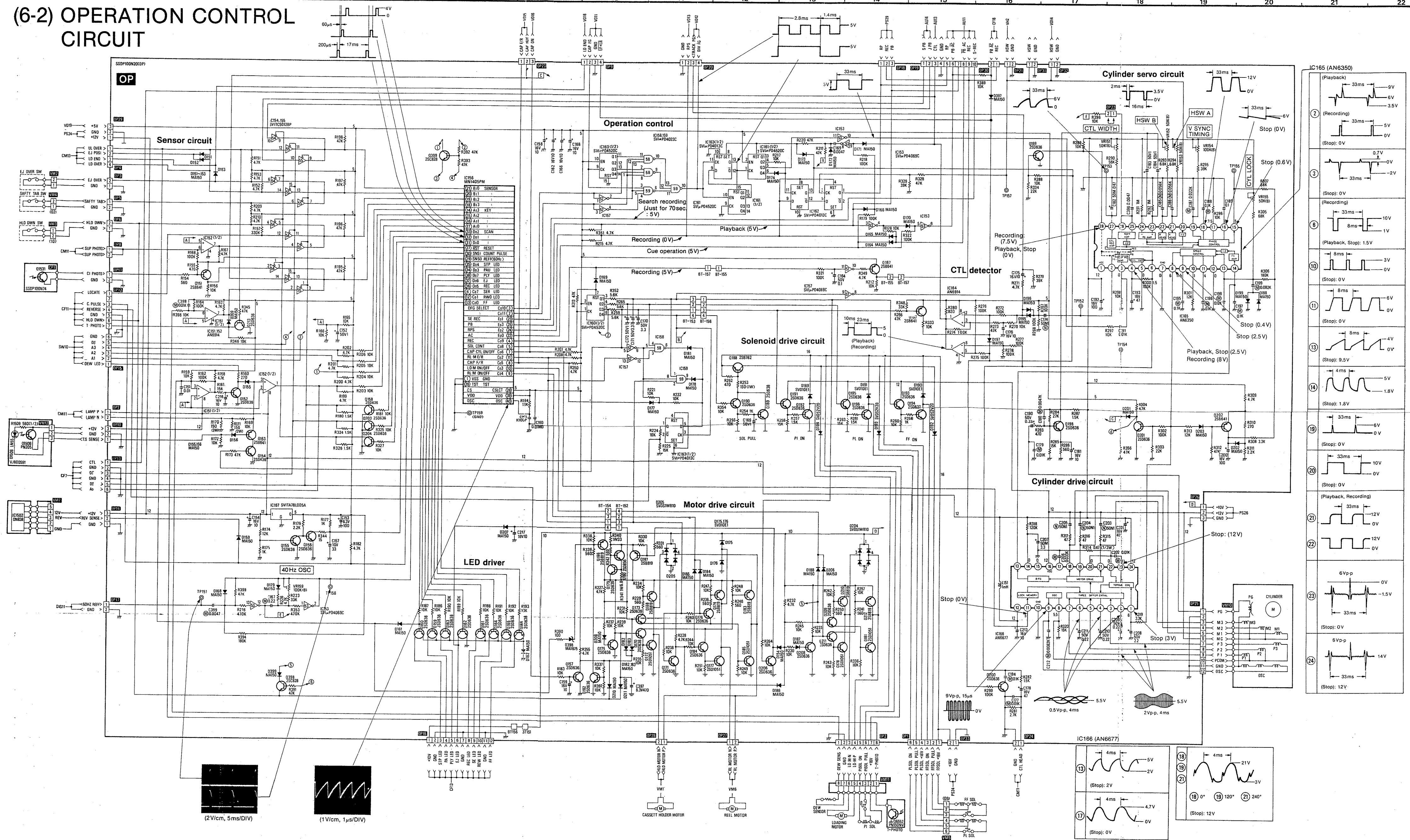
(6-1) POWER SUPPLY CIRCUIT

Notes:

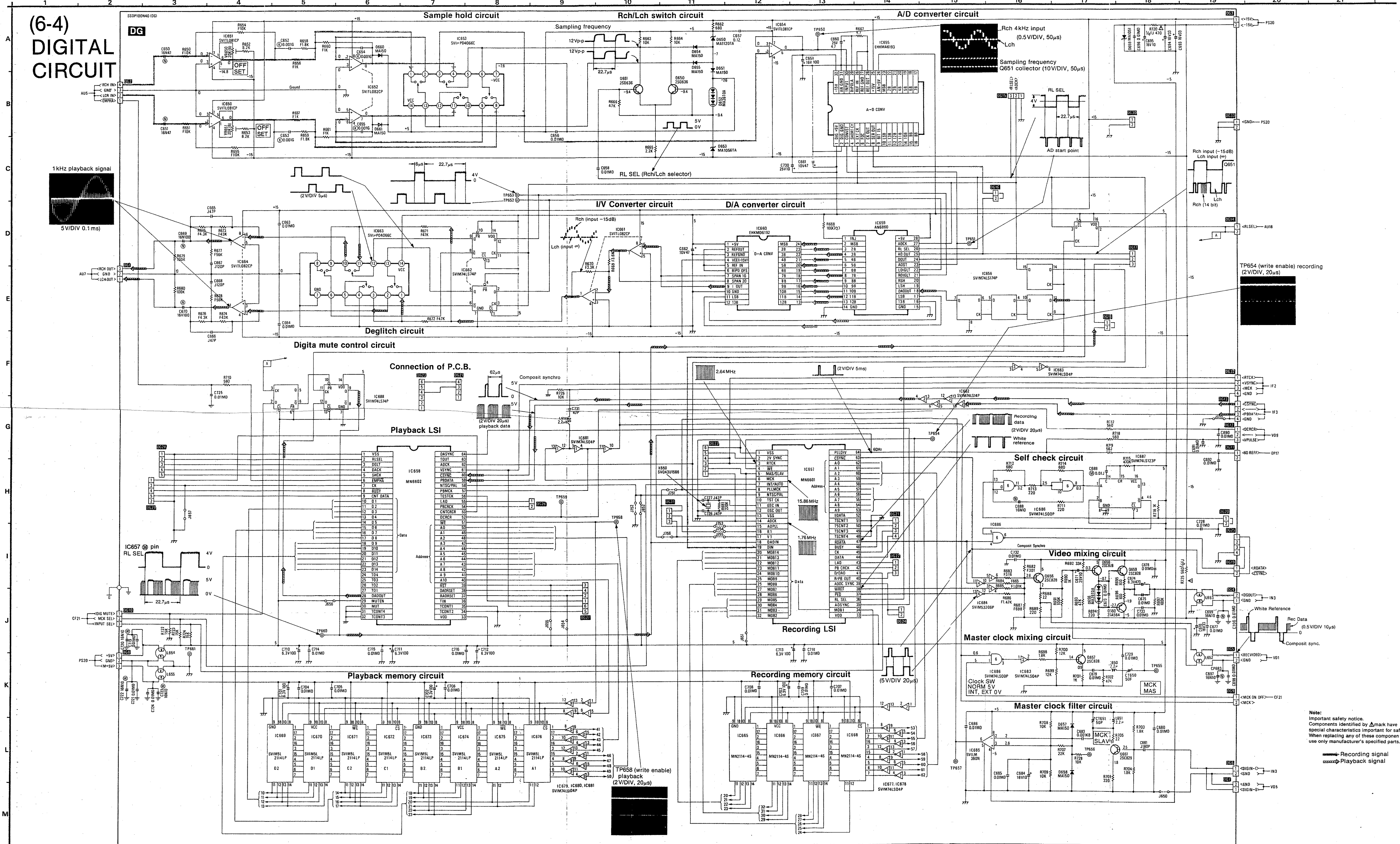
1. S1: Power switch in "on" position.
2. S2: Voltage selector switch in "110V" position.
3. Important safety notice:
Components identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.



(6-2) OPERATION CONTROL CIRCUIT



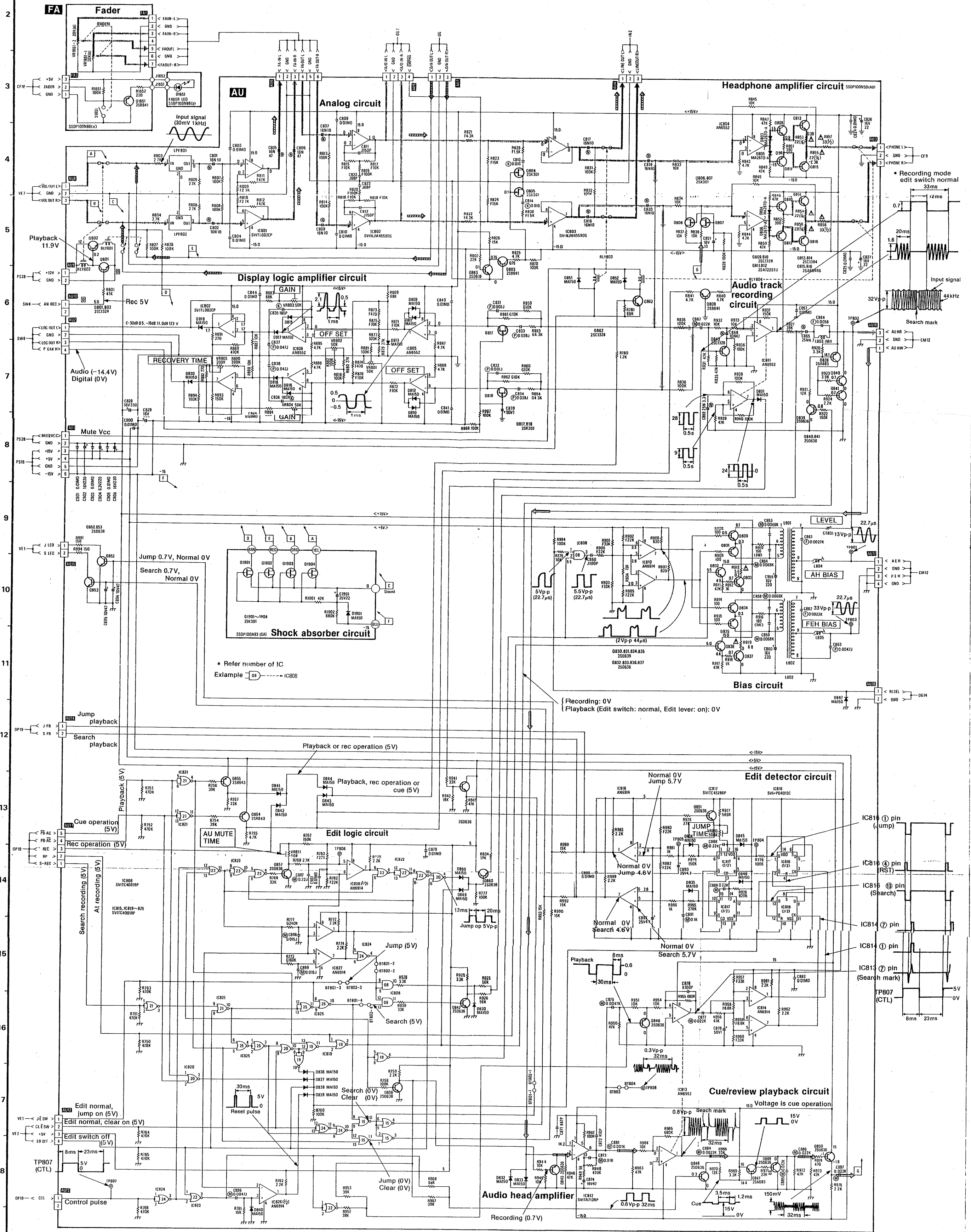
(6-4)
DIGITAL
CIRCUIT



Note:
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.

 Recording signal

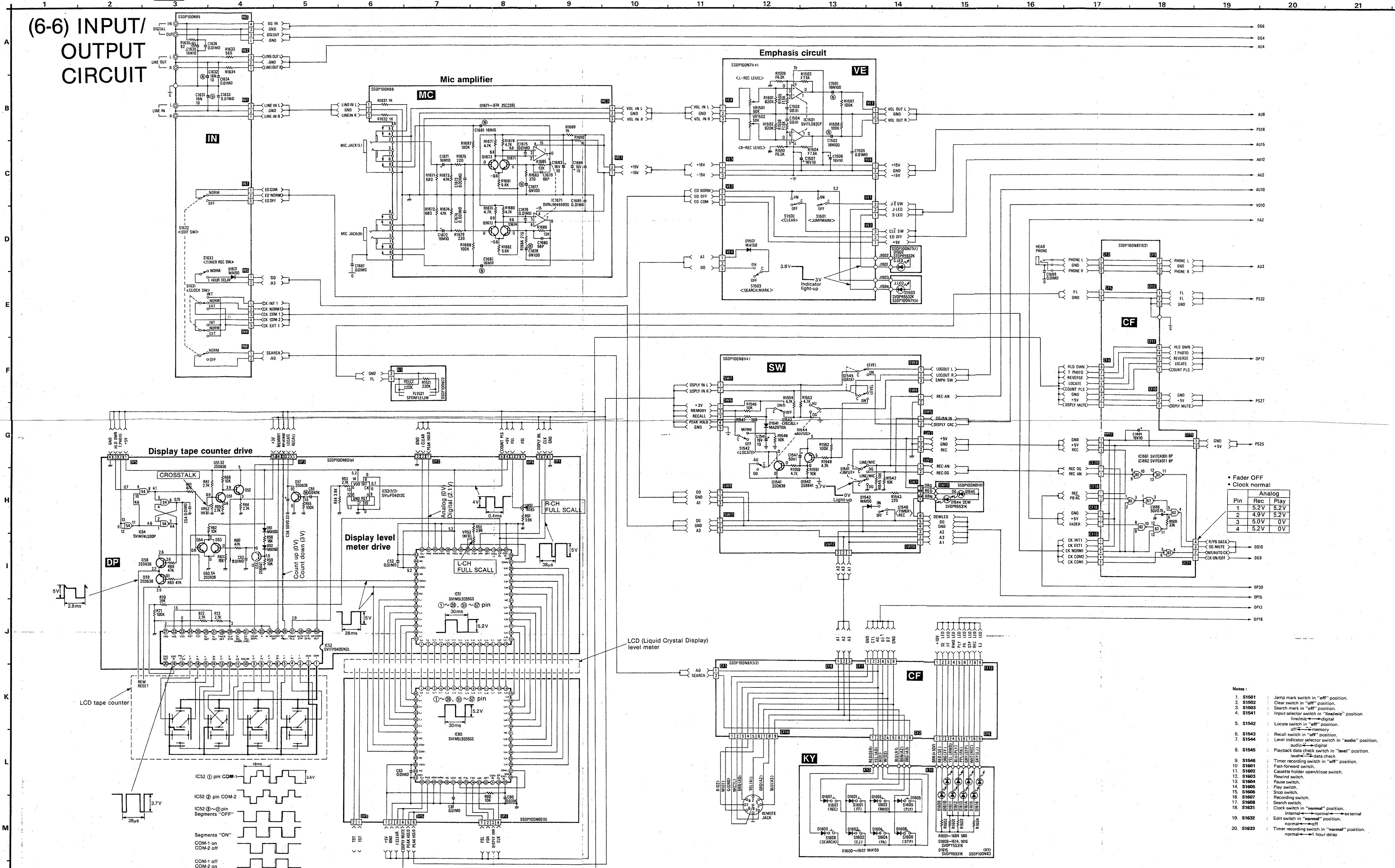
(6-5) AUDIO CIRCUIT



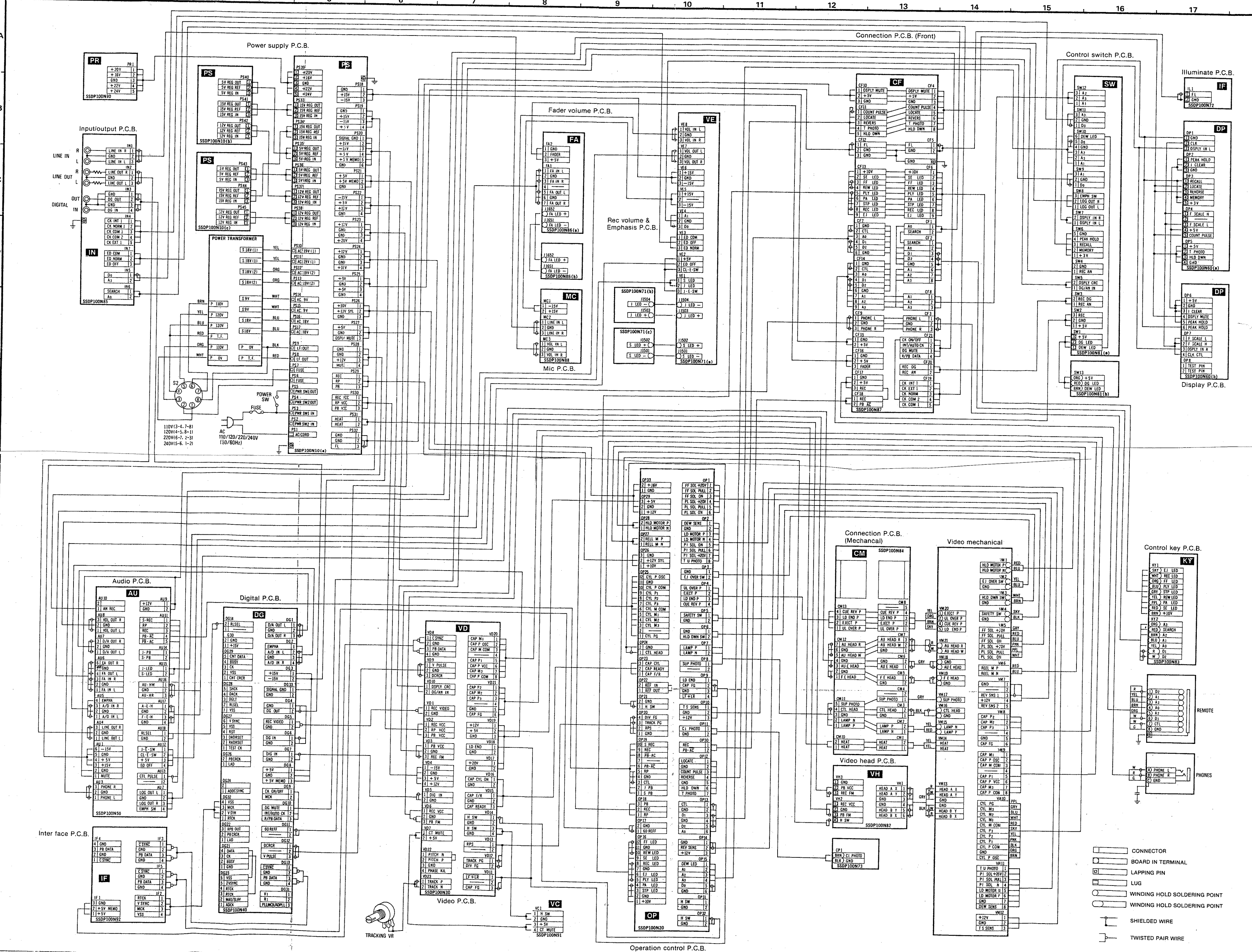
Recording signal
Playback signal
Audio head playback signal
Audio head recording signal

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



- Notes:
1. S1501 : Jump mark switch in "off" position.
 2. S1502 : Clear switch in "off" position.
 3. S1503 : Search mark in "off" position.
 4. S1541 : Input selector switch in "line/mic" position.
 5. S1542 : Locate switch in "off" position.
 6. S1543 : Recall switch in "off" position.
 7. S1544 : Level indicator selector switch in "audio" position.
 8. S1545 : Playback data check switch in "level" position.
 9. S1546 : Timer recording switch in "off" position.
 10. S1601 : Fast-forward switch.
 11. S1602 : Cassette holder open/close switch.
 12. S1603 : Rewind switch.
 13. S1604 : Pause switch.
 14. S1605 : Play switch.
 15. S1606 : Stop switch.
 16. S1607 : Recording switch.
 17. S1608 : Search switch.
 18. S1631 : Clock switch in "normal" position.
 19. S1632 : Edit switch in "normal" position.
 20. S1633 : Timer recording switch in "normal" position.



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)	AC 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	FE - 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
CAP CYL ON	Capstan Cylinder On (Motor to Rotate)	FSH	Full Scale High
CAP CYL-RDY	Capstan Cylinder Ready	FSL	Full Scale Low
CAP FG	Capstan Frequency Generator	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 MUTE	Head Switching
CK	Clock Frequency	H SYNC	Horizontal Synchronizing
CLK	Clock Frequency		
CK ON/OFF	Clock On/Off	I CLEAR	Initialize Clear
CL - E - SW	Clear Switch by Edit Position to Normal	INPUT SEL	Input Selector
CL SW	Clear Switch	INT/AUTO CK	Internal/External Auto Selector (MCK)
		J LEAD	Jump Mark Recording Switch by
COM	Common	J PB	Jump Light Emitting Diode
COUNT PLS	Count Pulse	J SW	Jump Mark Recording Switch
C - PULSE	Count Pulse	LAMP N	Lamp Negative
CRC	Cyclic Redundancy Check	LAMP P	Lamp Positive
CS	Chip Selector	LCH IN	Left Channel Input
C SYNC	Composite Synchronizing	LCH END	Loading End Signal
CTL	Control Signal	L DIGAL	Left Channel Digitizing
CTL HEAD	Control Head	LD - M - N	Loading Motor (Negative)
D0	Scan Signal	LD - M - P	Loading Motor (Positive)
D1	Scan Signal	LD OVER	Loading Over
D/A	Digital to Analog	LD ON/OFF	Loading Motor On/Off
DACK	Clock for Digital to Analog		
DAD OUT	Output of Digital to Analog Data	LOG OUT	Logarithm Output
D CRDR	Data CRC	LOCATE	Locate
DEW SENS	Dew Sensor	LR	Loading Reverse
D FG	Divided FG	LSB	Least Significant Bit
DIV FG	Divided FG	MCK	Master Clock
DGLT	Digital Mute	MSB	Most Significant Bit
DG MUTE	Digital Mute	MUTEN	Muting
DIG IN-1	Digital Input (No. 1)	P	P Parity Signal
DIGIN-0	Digital Input (No. 0)	PAM	Pulse Amplitude Modulation
DISPLAY CRC	Display Cyclic Redundancy Check	PB - AC	Playback Mode, Not Audio Track
DISPLAY INR	Display Input of Right Channel	PB - AC	Casting (Normal Speed)
DISPLAY MUTE	Display Mute	PB DATA	Audio Track Casting (Cue)
		PB DATA	Playback Data

Mark	Description
PB FM	Playback of FM Signal
PCM	Pulse Code Modulation
PEAK H	Peak Hold
PED	Pedestal
P SOL	Pinch Solenoid
PITCH/CNT	Pitch Control
PL SOL	Play Solenoid
PS	Power Supply
Q	Q Parity Signal
RAM	Read and Write (Random Access) Memory
RCH IN	Right Channel Input
R DATA	Recording Date
R DIGL	Right Channel Digitizing
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)
REFR	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	Rec Transformer Clock
RTCK	Safety Tablet
SAFETY TAB	Successful Approximation Register
SAR -	Search Forward
SE-FWD	Search Forward
SER OUT	Search Light Emitting Diode
SE-RWD	Search Reverse
S LED	Search Light Emitting Diode
SOL PULL	Solenoid Pull
S-REC	Search Recording
S PB	Search Playback
S-PH	Search Photo
SUP-PHOTO	Supply Photo
S SW	Search Mark Recording Switch
SYNC	Synchronizing
T-PH	Tape Photo Sensor
TRACKING PG	Tracking Pulse Generator
TS SENSE	Tape Slack Sense
TST	Test

Mark	Description
UL	Un Loading
UL OVER	Un Loading Over
VOL IN	Volume Input
V PULSE	Vertical Pulse
WE	Write Enable
W REF	White Level Reference Signal
60 Hz REFF	Reference Frequency (60 Hz)

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

Example:
C SYNC..... Composite Synchronizing Signal
C SYNC..... Opposite Signal of Composite Synchronizing

- CONNECTOR
- BOARD IN TERMINAL
- LAPPING PIN
- LUG
- WINDING HOLD SOLDERING POINT
- SHIELDED WIRE
- TWISTED PAIR WIRE