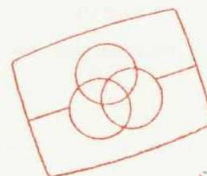


SONY®



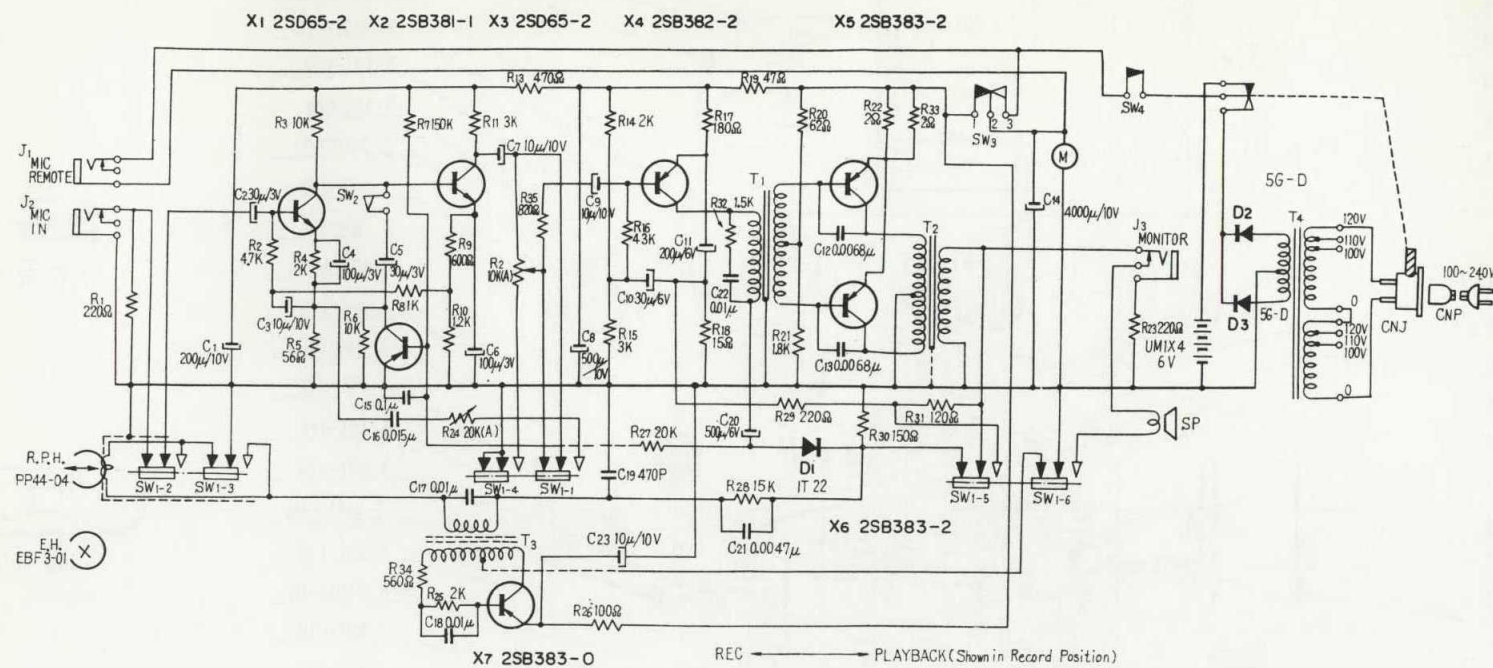
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Specifications

Power Requirement :	DC : 6 volts, 4 standard flashlight batteries, Size "D", or equiv. AC : 110, 120, 220 or 240 volts, 3 watts, 50/60 cycles
Tape Speed :	9.5 and 4.75 cm/s (3-3/4 and 1-7/8 ips)
Track :	Dual
Reel :	8 cm (3")
Bias Frequency :	Approx. 30 Kc
Input :	Microphone Input Remote Control Jack
Output :	Monitor Output
Speaker :	7 × 10 cm (2 3/4 × 4") dynamic
Power Output :	Max. 1 watt
Recording Time :	30 minutes in total at 9.5 cm/s (with 93 m Tape) 1 hour in total at 4.75 cm/s
Battery Life :	20 hour continuous recording (with supplied battery)
Transistors :	2SB381 (×1), 2SB382 (×1), 2SB383 (×3), 2SD65 (×2)
Dimensions :	200 (W) × 115 (H) × 215 (D) mm (8.7 W × 4.5 H × 8.5 D)
Weight :	Approx. 4.4 lbs. (2 kgs.)

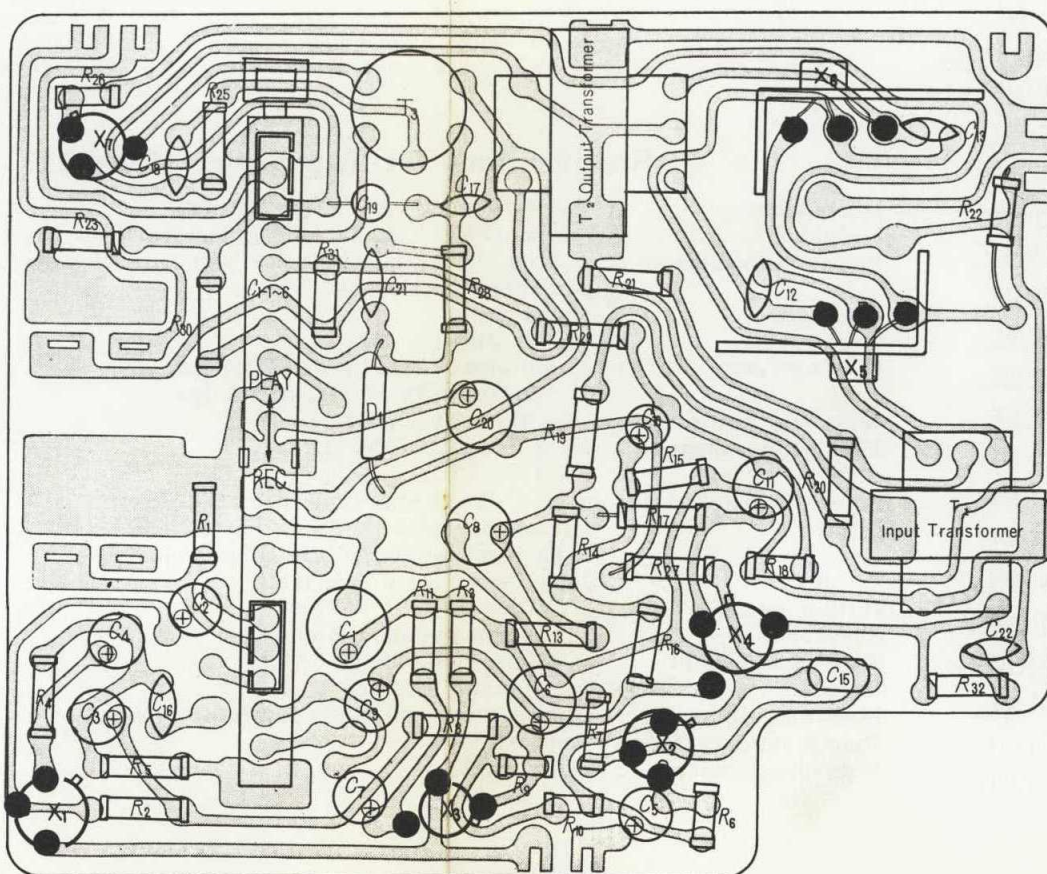


S1-1-6.....Rec./P.B. Selector Switch (Shown in Record Position)

S3.....FF, RWD Muting Switch

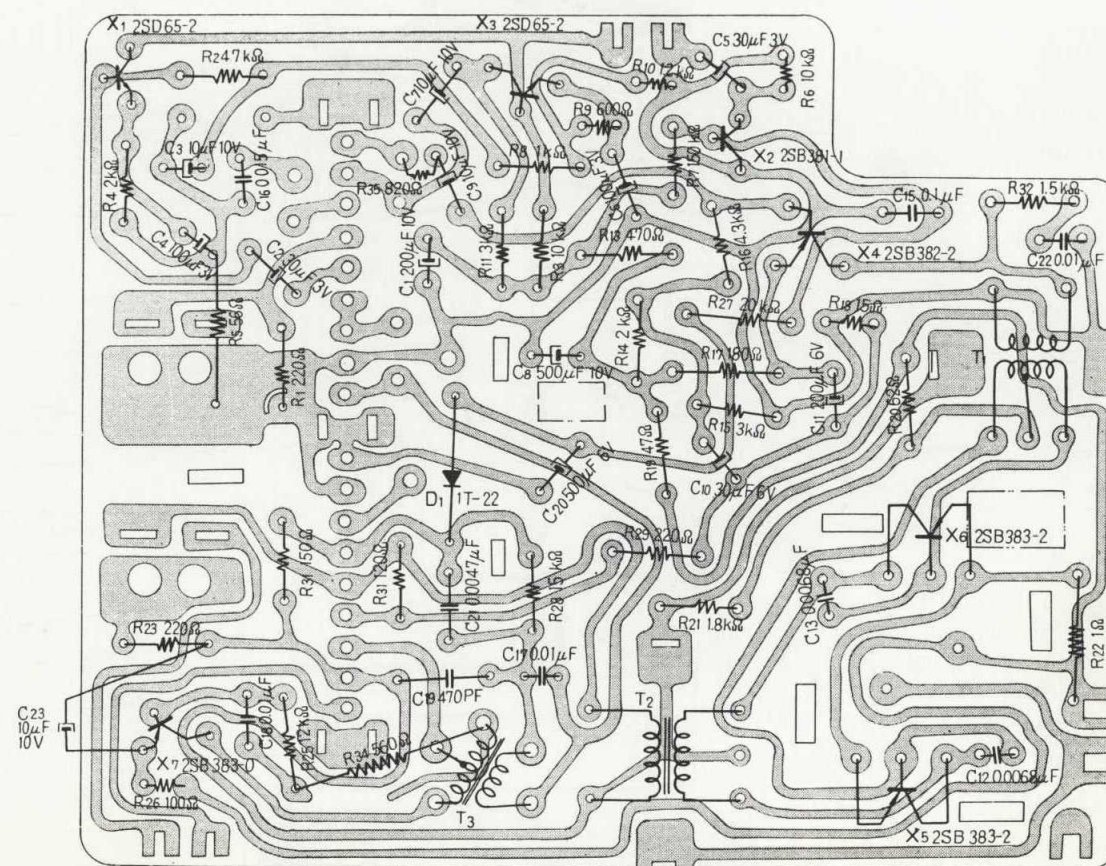
S2..... A.G.C. Switch (W/S1)

S4.....Power ON/OFF Switch



Mounting Diagram

—Parts Side—



Mounting Diagram

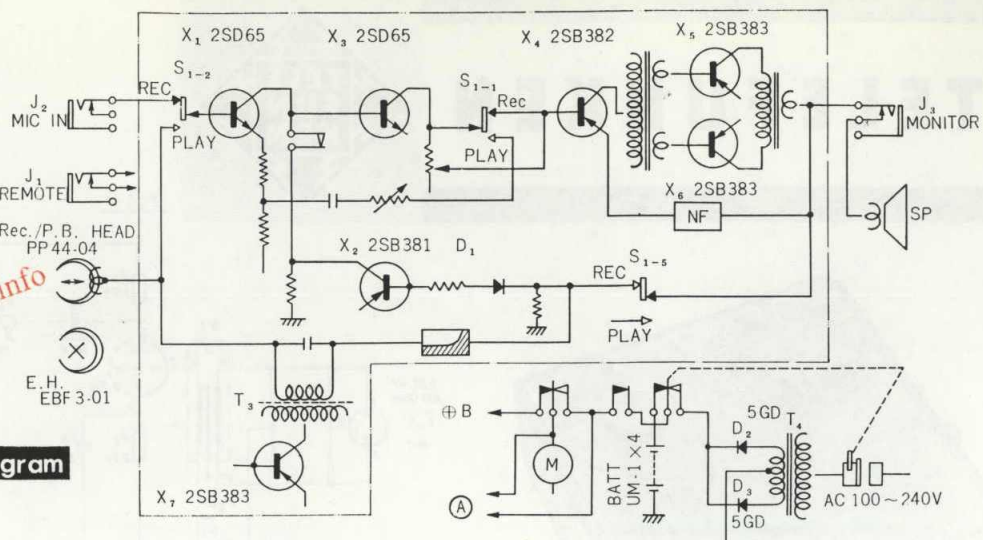
—Printed Side—

Parts List

A. Amplifier Block	
A-1	Heat Sink
A-2	Transistor Retainer
A-3	Printed Circuit Board Mounting Bracket
B. Brake Block	
B-1	Brake Control Lever Assembly, including
B-1-1	Brake Control Lever
B-1-2	Brake Control Lever Shaft
B-2	Brake Lever Assembly, including
B-2-1	Brake Lever
B-2-2	Rubber Plate for Brake Lever
F. Function Selector Mechanism	
F-1	Function Selector Knob Assembly
F-2	Function Selector Cam Assembly, including
F-2-1	Cam Shaft
F-2-2	Cam Plate (A)
F-2-3	Control Pin
F-2-4	Collar
F-3	Cam Plate (B)
F-4	Rubber Plate for Cam Plate
F-5	Cam Plate (B) Retainer
F-6	Cam Reset Spring
G. Deck	
G-1	Deck Assembly, including
G-1-1	Deck
G-1-2	Volume Control Mounting Bracket
G-1-3	Switch Mounting Bracket
G-2	Capstan Shaft Holding Plate
G-3	Capstan Shaft Holder
G-4	Reinforcing Plate for Control Lever
G-5	Recording Button Assembly
G-6	Shaft for F. Forward Idler
G-7	Electrolytic Capacitor Mounting Bracket (A)
H. Head Deck	
H-1	Head Deck Assembly, including
H-1-1	Head Deck
H-1-2	Capstan Shaft Holder
H-1-3	Capstan Bearing Retainer
H-1-4	Stepper Arm Assembly
H-1-5	Stepper Shaft
H-1-6	Vibration Absorber
H-2	Rec./P.B. Head
H-3	Head Adjusting Spring
H-4	Tape Guide (C) Assembly, including
H-4-1	Tape Cleaner
H-4-2	Tape Guide (C)
H-5	Erase Head Control Lever Assembly, including
H-5-1	Erase Head Control Lever
H-5-2	Erase Head EBF-01
H-5-3	Pin for Erase Head Control Lever
H-6	Collar for Erase Head Control Lever
H-7	Spring for Erase Head Control Lever
H-8	Tape Guide
H-9	Tape Pad Shifter Arm Assembly, including
H-9-1	Tape Pad Shifter Arm
H-9-2	Head Shield Plate Assembly
H-10	Head Shield Plate Assembly, including
H-10-1	Head Shield Plate
H-10-2	Head Pad
H-11	Stepper Roller
H-12	Stepper Spring
H-13	Pinch Lever Spring
H-14	Spring for Tape Pad Shifter Arm
H-15	Pinch Lever Assembly, including
H-15-1	Pinch Roller Assembly
H-15-2	Roller for Pinch Lever
H-15-3	Roller Shaft for Pinch Lever
H-15-4	Pinch Lever
N. Capstan and Flywheel	
N-1	Flywheel Assembly, including
N-1-1	Flywheel
N-1-2	Capstan Shaft
N-2	Capstan
N-3	Thrust Bearer
N-4	Washer for Capstan
N-5	Motor Pulley Assembly, including
N-5-1	Motor Pulley
N-5-2	Set Screw for Motor Pulley
N-5-3	Motor
P. Pinch Roller Mechanism	
P-1	Pinch Lever Assembly, including
P-1-1	Pinch Roller Assembly
P-1-2	Roller for Pinch Lever
P-1-3	Pinch Lever
P-1-4	Roller Shaft for Pinch Lever
Q. Idler Mechanism	
Q-1	Take-up Reel Spindle Boss Assembly, including
Q-1-1	Lever for Take-up Reel Spindle
Q-1-2	Take-up Spindle Boss
Q-2	Supply Reel Spindle Boss Assembly, including
Q-2-1	Lever for Supply Reel Spindle
Q-2-2	Supply Reel Spindle Boss
Q-3	Take-up Reel Table Assembly, including
Q-3-1	Take-up Reel (Upper Part)
Q-3-2	Take-up Reel Spindle
Q-3-3	Take-up Reel Retainer Pin
Q-3-4	Friction Felt
Q-3-5	Self-Tapping Screw +B3×6
Q-4	Take-up Reel Spindle Drum Assembly, including
Q-4-1	Supply Reel Table (Upper Part)
Q-4-2	Supply Reel Retainer Pin
Q-5	Fast Forward Idler Plate Assembly, including
Q-5-1	Fast Forward Idler Shaft
Q-5-2	Lever for Fast Forward Idler
Q-6	Fast Forward Idler Boss
Q-6-1	Fast Forward Idler Assembly, including
Q-6-2	Fast Forward Idler
Q-6-3	Fast Forward Idler Tire
Q-7	Forward Idler Plate Assembly, including
Q-7-1	Forward Idler Plate
Q-7-2	Forward Idler Spacer
Q-8	Forward Idler Control Rod
Q-8-1	Forward Idler Shaft
Q-8-2	F. F. & RWD Leaf Switch Assembly, including
Q-8-3	Leaf Switch
Q-8-4	Vibration Absorber (A)
Q-9	Capstan Idler Assembly, including
Q-9-1	Capstan Idler
Q-9-2	Capstan Idler Tire
Q-10	Thrust Washer for Take-up Reel Table
Q-10-1	Thrust Washer for Supply Reel Table
Q-10-2	Tension Spring for Take-up Reel
Q-11	Spring for Supply Reel Table Control Lever
Q-12	Rewind Reset Spring
Q-13	Back Tension Spring
Q-14	Lever Retainer (A)
Q-15	Lever Retainer (B)
Q-16	Forward Control Rod
Q-17	Idler Belt
Q-18	Thrust Washer for Capstan Idler
Q-19	Spring for Capstan Idler

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Block Diagram



Mechanical Section

