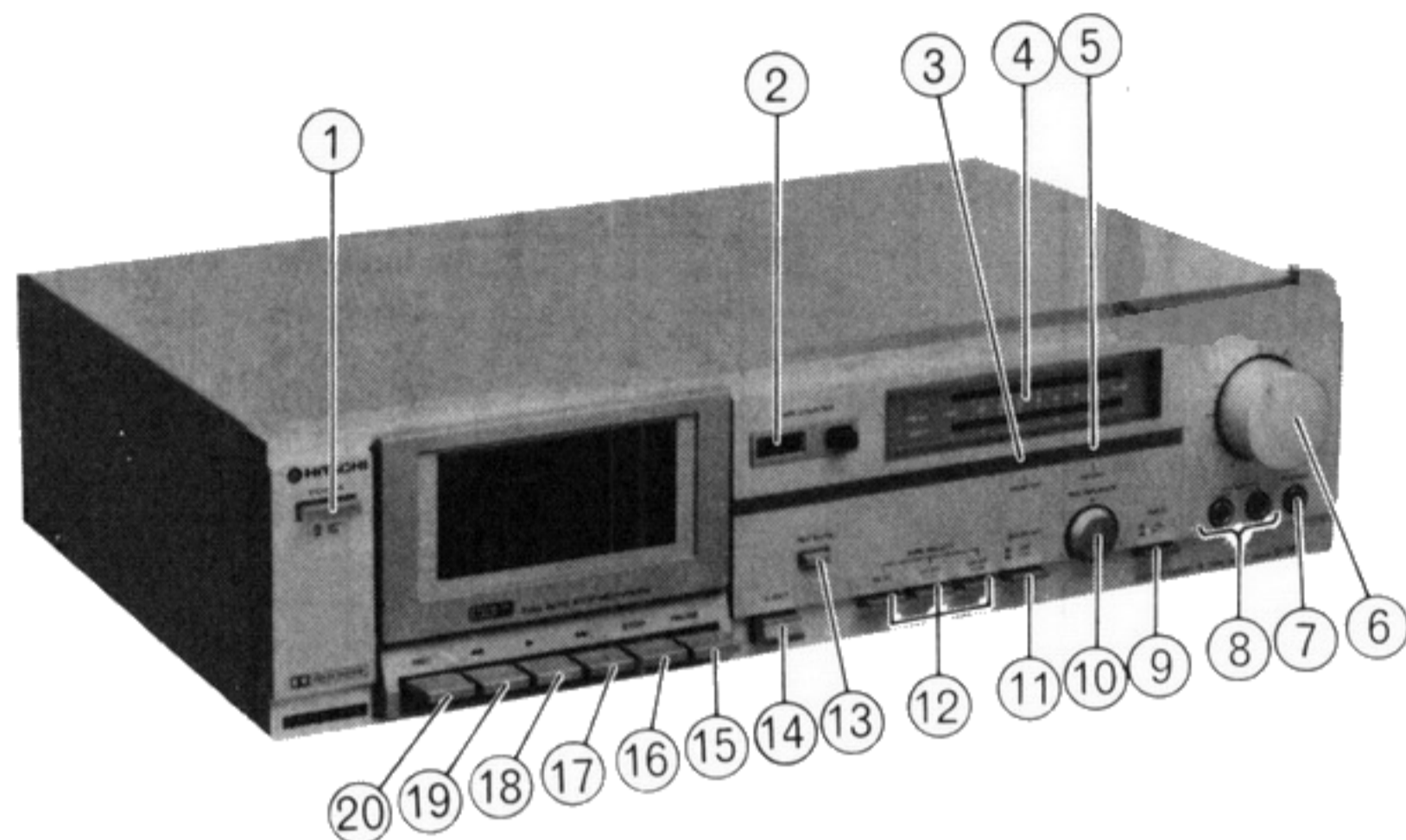


## SERVICE MANUAL

English

No. 1366



### KEY TO ILLUSTRATIONS

- |   |                        |
|---|------------------------|
| ① POWER (MAINS) SWITCH                        | ⑪ DOLBY NR SWITCH      |
| ② TAPE COUNTER                                | ⑫ TAPE SELECT SWITCHES |
| ③ DOLBY NR INDICATOR                          | ⑬ REC. MUTE SWITCH     |
| ④ DIGITAL PEAK METER                          | ⑭ EJECT BUTTON         |
| ⑤ RECORDING INDICATOR                         | ⑮ PAUSE BUTTON         |
| ⑥ RECORDING LEVEL CONTROL                     | ⑯ STOP BUTTON          |
| ⑦ HEADPHONE SOCKET                            | ⑰ FAST FORWARD BUTTON  |
| ⑧ MICROPHONE SOCKETS<br>(left/mono and Right) | ⑱ PLAYBACK BUTTON      |
| ⑨ INPUT SELECTOR                              | ⑲ REWIND BUTTON        |
| ⑩ RECORDING BALANCE CONTROL                   | ⑳ RECORD BUTTON        |

### SPECIFICATIONS

<b>Semi-conductors :</b>		<b>Wow and Flutter :</b>	0.06% (WRMS) 0.18%*
IC's	4	<b>Input Sensitivity and Impedance :</b>	
Transistors	5 (For U, C) 6 (For BS, FS, AU, W)	Microphone	0.35mV, 300 ohms to 5 kohms
Diodes	9 (For U, C) 12 (For BS, FS, AU, W)	Line in	60mV, 50 kohms or more
LED's	16	DIN (Record/Playback)	0.35mV, 3.3 kohms (For BS, FS, AU, W)
<b>Track System :</b>	4 track 2 channel	<b>Output Level :</b>	500mV or more
<b>Tape :</b>	Cassette tape (C-30, 60, 90)	<b>Output Load Impedance :</b>	
<b>Tape Speed :</b>	4.75 cm/s	Line out	50 kohms or more
<b>Recording System and Bias</b>		DIN (Record/Playback)	50 kohms or more (For BS, FS, AU, W)
Frequency :	AC bias, 85 kHz	Headphone	8 ohms to 2 kohms
<b>Erasing System :</b>	AC erase	<b>Distortion :</b>	1.0% (1 kHz, 0VU)
<b>Erase Ratio :</b>	65 dB or more (at 1 kHz)	<b>Cross Talk :</b>	
<b>Frequency Response :</b>		Between tracks	60 dB or more (at 1 kHz)
UD-ER (Normal)	25 Hz to 15 kHz 30 Hz to 14 kHz ( $\pm 3$ dB) 30 Hz to 14 kHz*	Between channels	30 dB or more (at 1 kHz)
UD-EX (CrO <sub>2</sub> )	25 Hz to 16 kHz 30 Hz to 15 kHz ( $\pm 3$ dB) 30 Hz to 15 kHz*	<b>Power Supply :</b>	AC 220V, 50 Hz (For FS) AC 120V, 60 Hz (For U, C) AC 240V, 50 Hz (For BS, AU) AC 100 to 110V/115 to 127/200 to 220V/230 to 250V, 50/60 Hz (For W)
METAL	25 Hz to 17 kHz 30 Hz to 16 kHz ( $\pm 3$ dB) 30 Hz to 16 kHz*	<b>Power Consumption :</b>	9.5W
<b>S/N (Signal to Noise Ratio) :</b>		<b>Dimensions :</b>	110(H) × 435(W) × 269(D)mm
Dolby NR OFF	57 dB (A weighted, Reference 3% T.H.D. METAL Tape)	<b>Weight :</b>	4.2kg
Dolby NR ON	57 dB* 65 dB (A weighted, Reference 3% T.H.D. METAL Tape) 64 dB*	<b>Motor :</b>	Electronically controlled DC motor

\* According to DIN 45 500

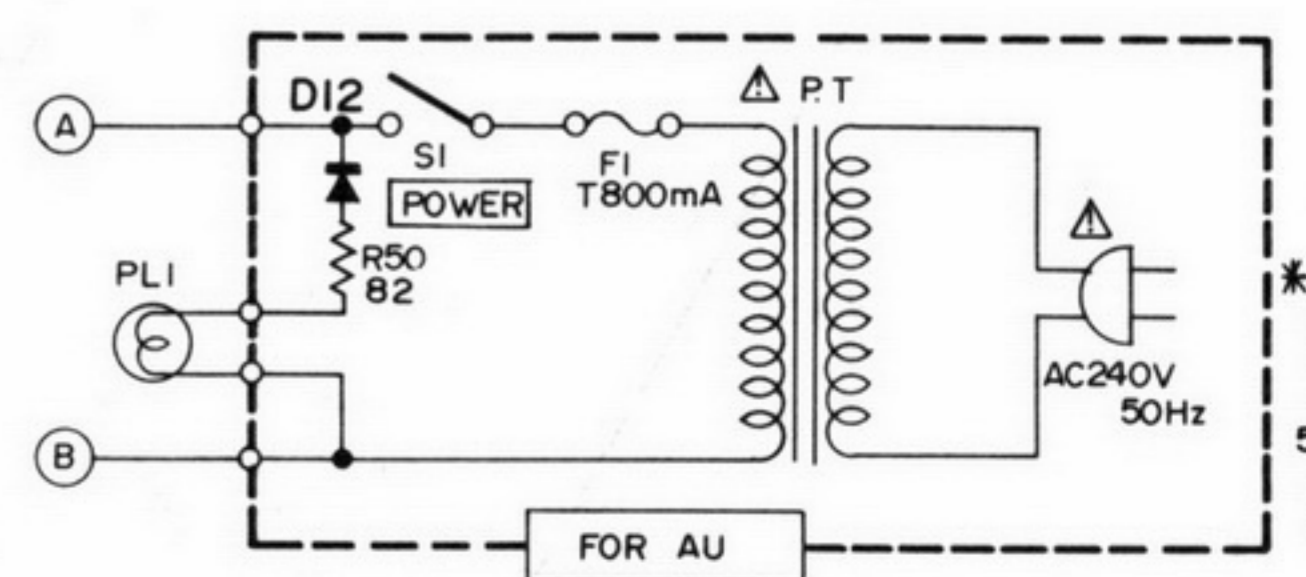
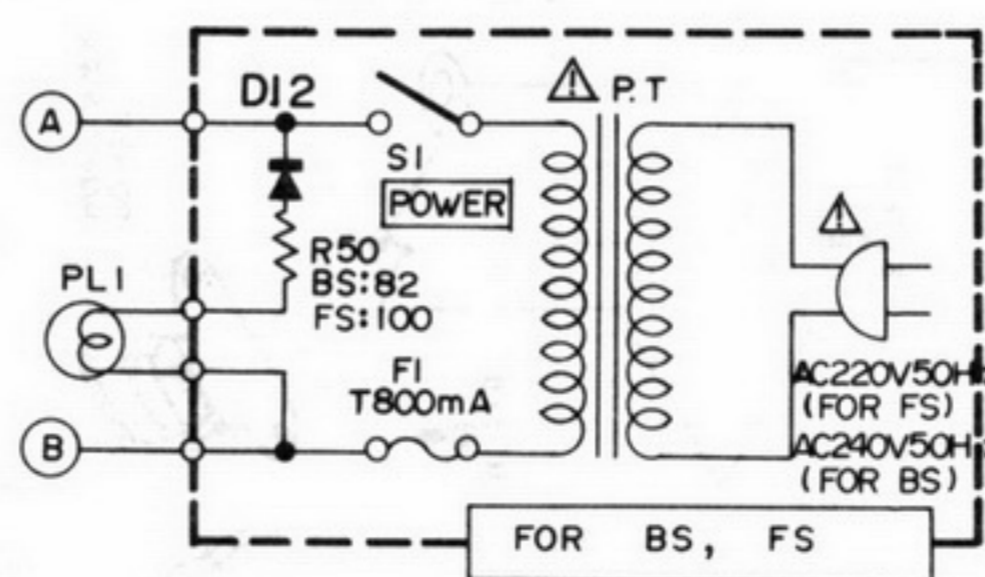
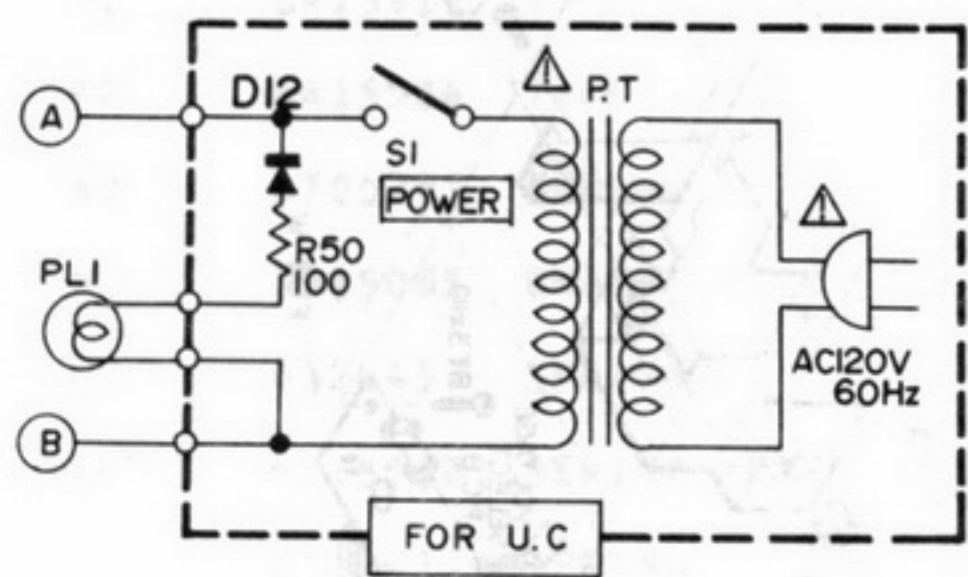
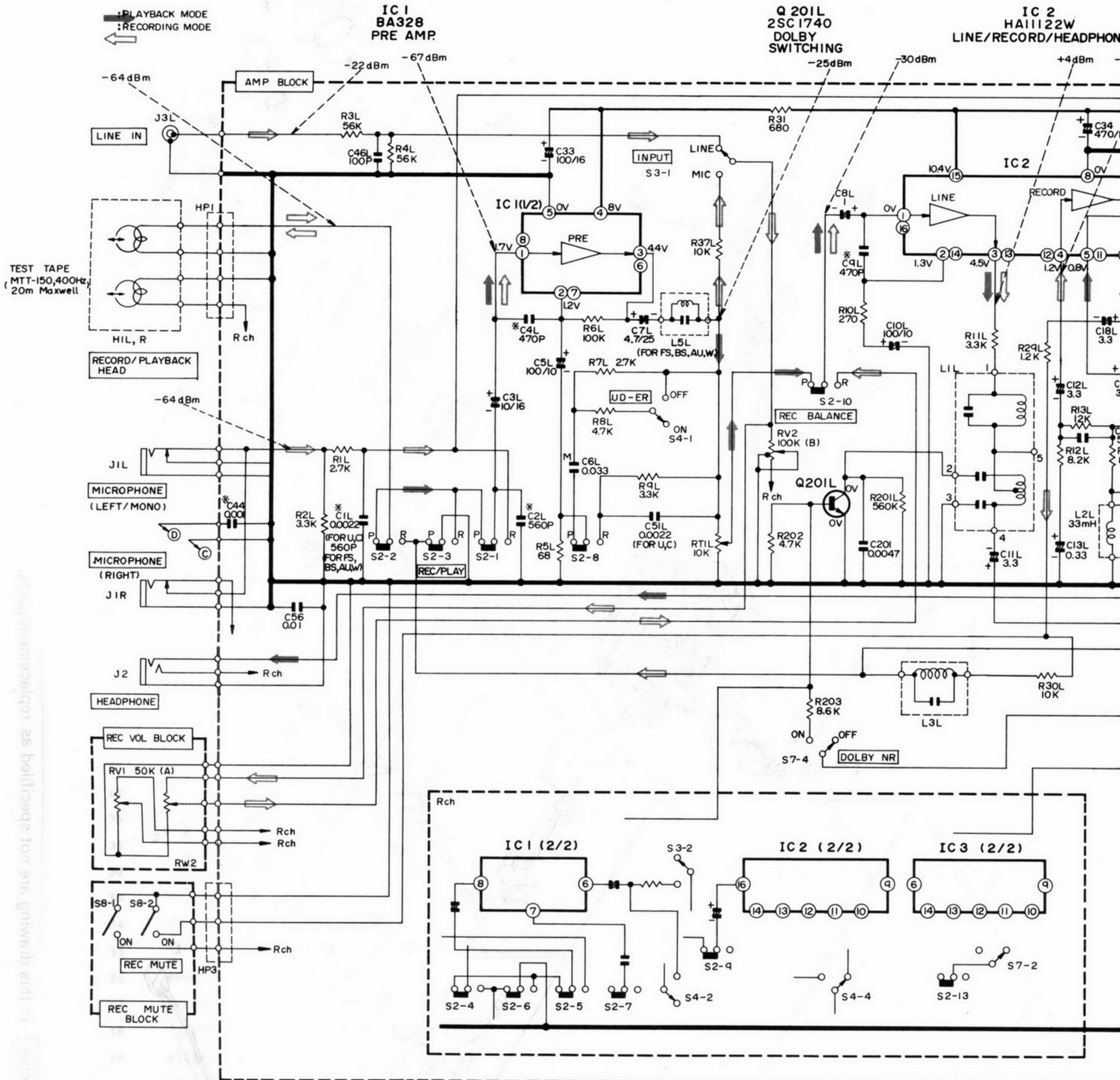
Specifications and Schematic diagram are subject to change for performance improvement without notice.

#### Note :

U.....USA	FS.....Switzerland and Scandinavia	AU.....Australia
C.....Canada	BS.....Great Britain	W.....General Area

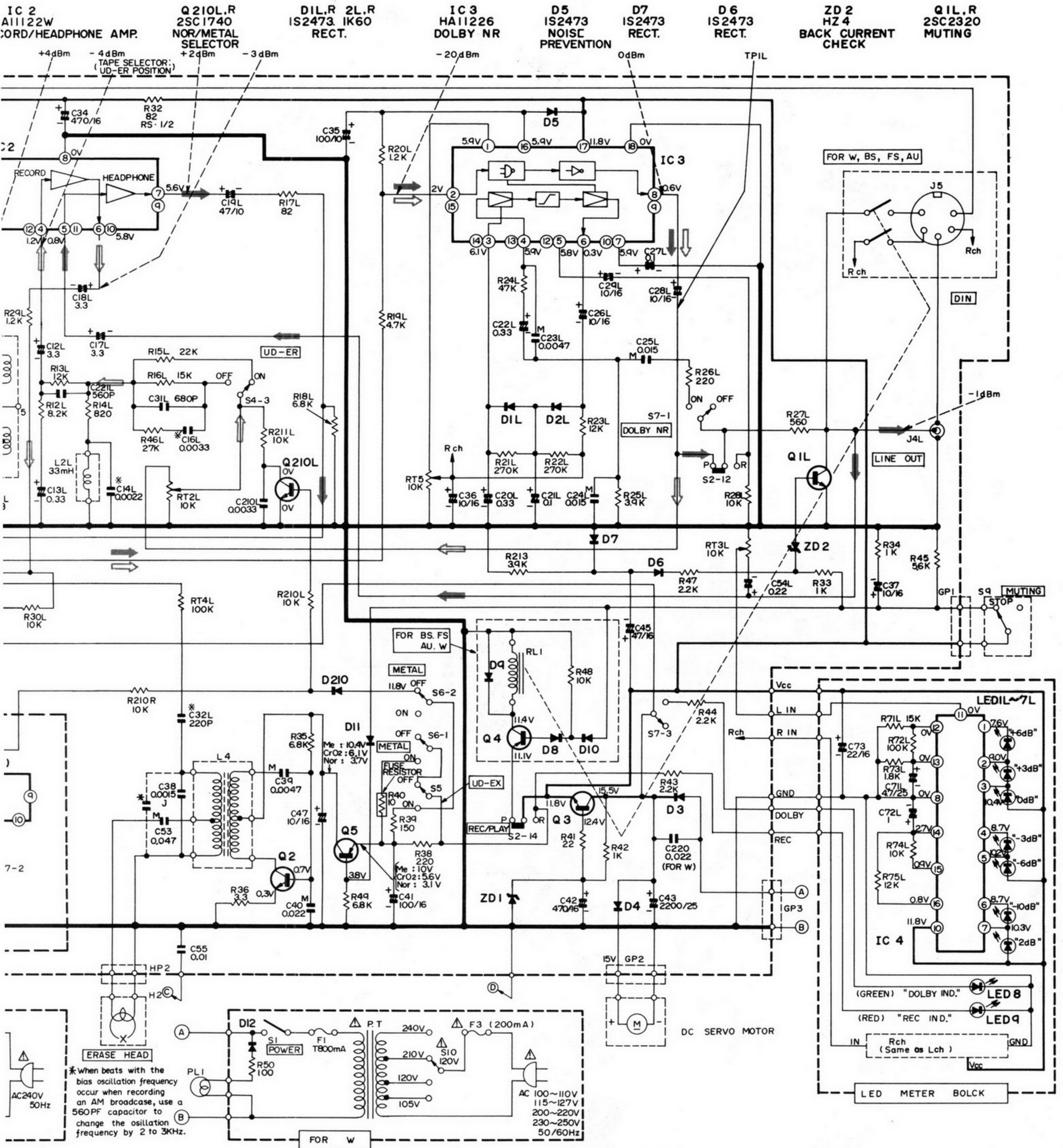
# STEREO CASSETTE TAPE DECK

# SCHEMATIC DIAGRAM



- DI2 ISR34 RECT.
- Q2 2SD667 BIAS OSC.
- Q5 2SA673 SWITCHING
- D210 IS2473 SWITCHING
- D11 IS2473 BACK

\* When bias occur an A 560P change frequ



- D11 IS2473
- D9 IS2473
- D8, D10 IS2473
- Q 4 2SA673
- Q 3 2SC1061SC
- D 3 SM1A-02
- ZD 1 HZ-12
- D 4 SM-1A-02
- IC 4 LR IR2E-02
- LED 8 SLR54GC
- LED 9 SLR53URCI
- LED 1L, R ~ 3L, R SLR53URCI
- LED 4L, R ~ 7L, R SLR54GC

\*When beats with the bias oscillation frequency occur when recording an AM broadcast, use a 560PF capacitor to change the oscillation frequency by 2 to 3KHz.