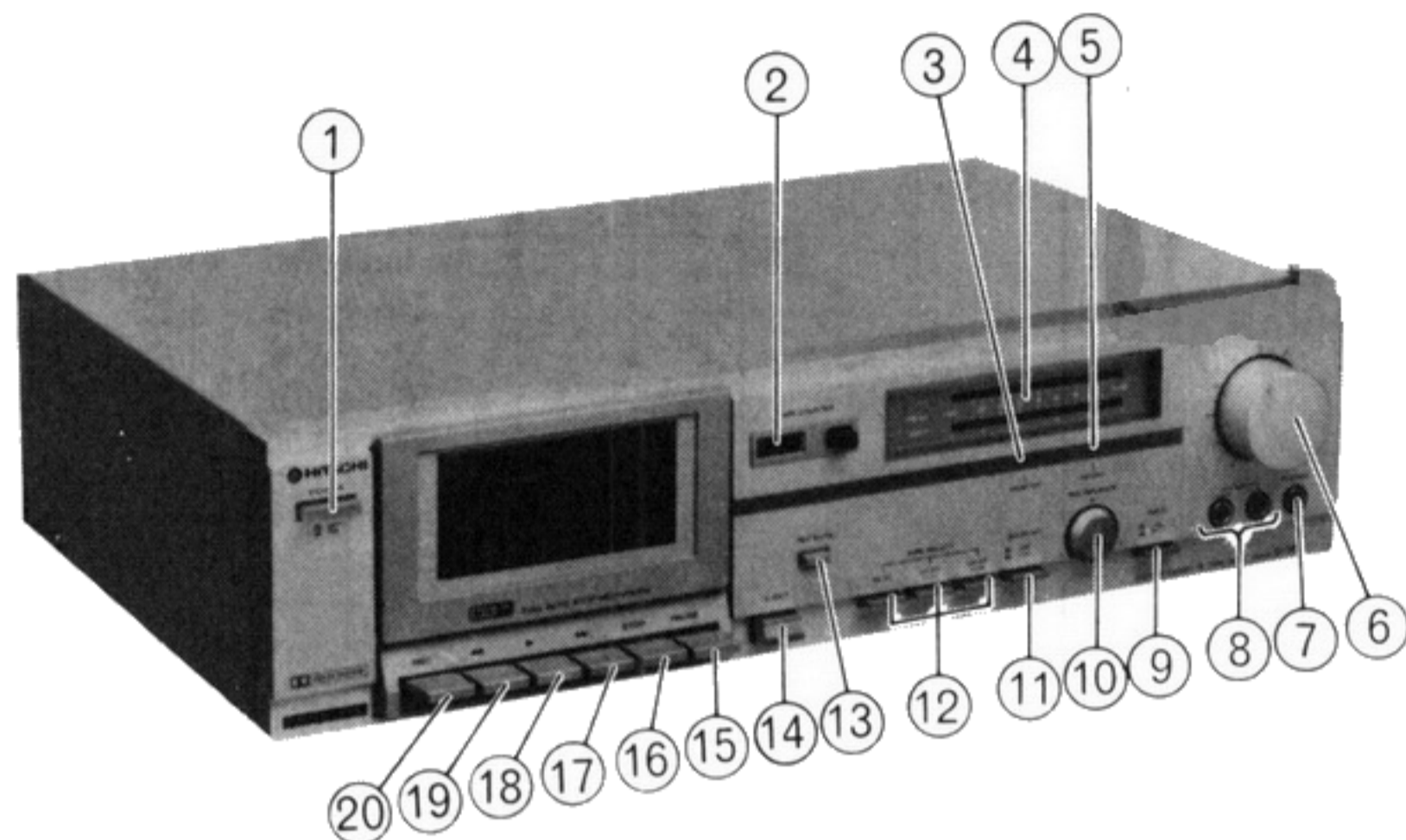


SERVICE MANUAL

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
(left/mono and Right) | ⑱ PLAYBACK BUTTON |
| ⑨ INPUT SELECTOR | ⑲ REWIND BUTTON |
| ⑩ RECORDING BALANCE CONTROL | ⑳ RECORD BUTTON |

SPECIFICATIONS

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

* According to DIN 45 500

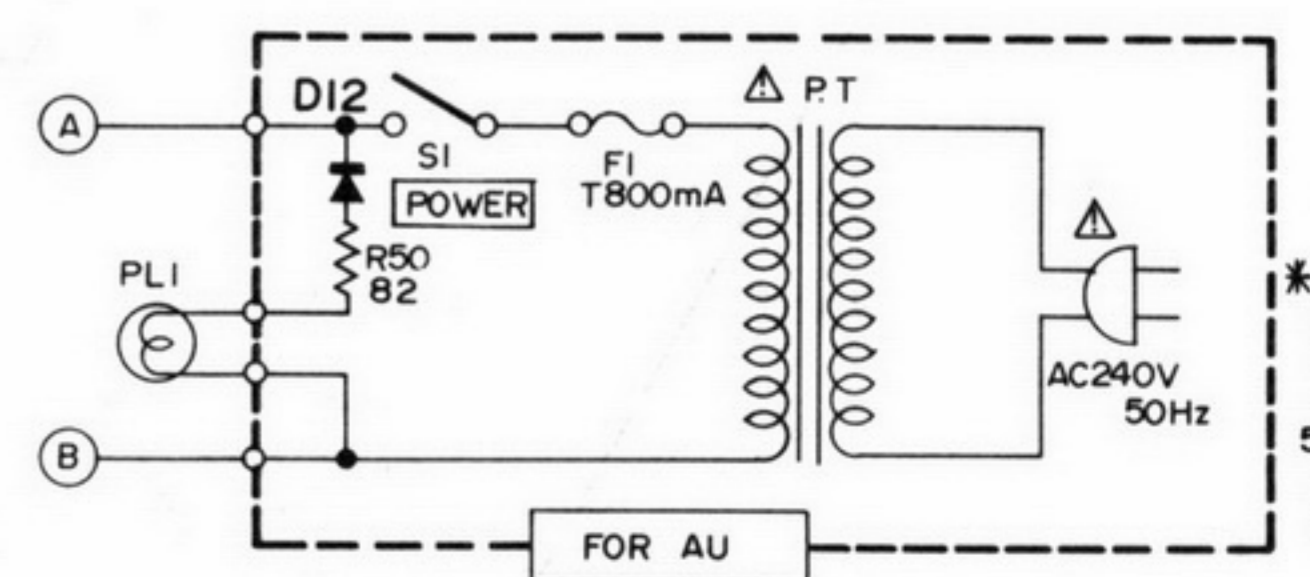
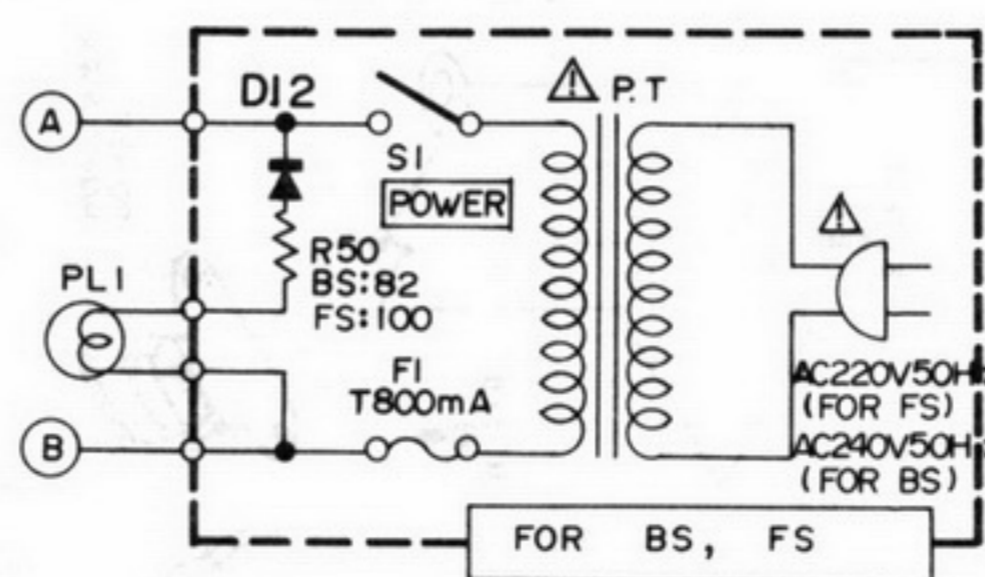
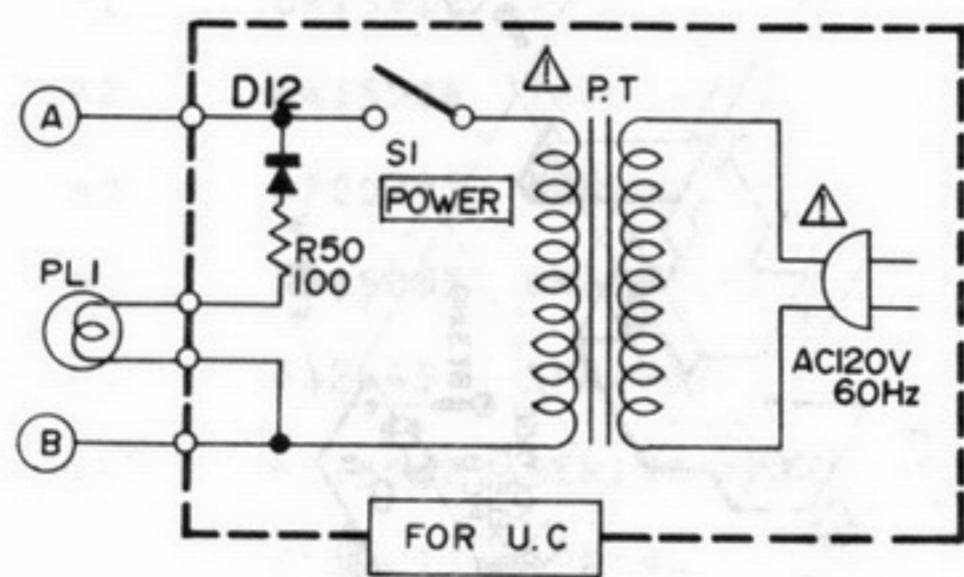
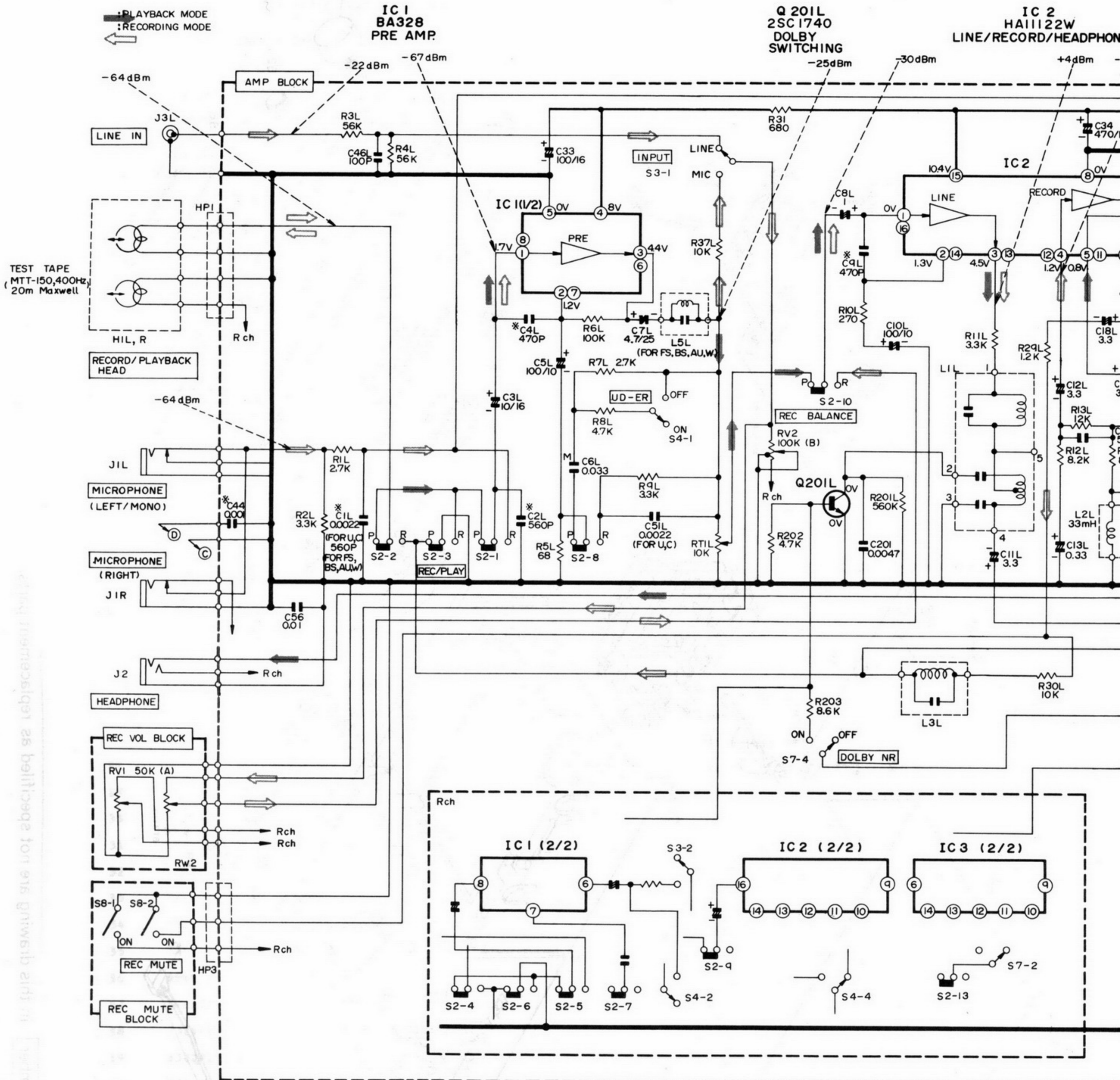
Specifications and Schematic diagram are subject to change for performance improvement without notice.

Note :

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

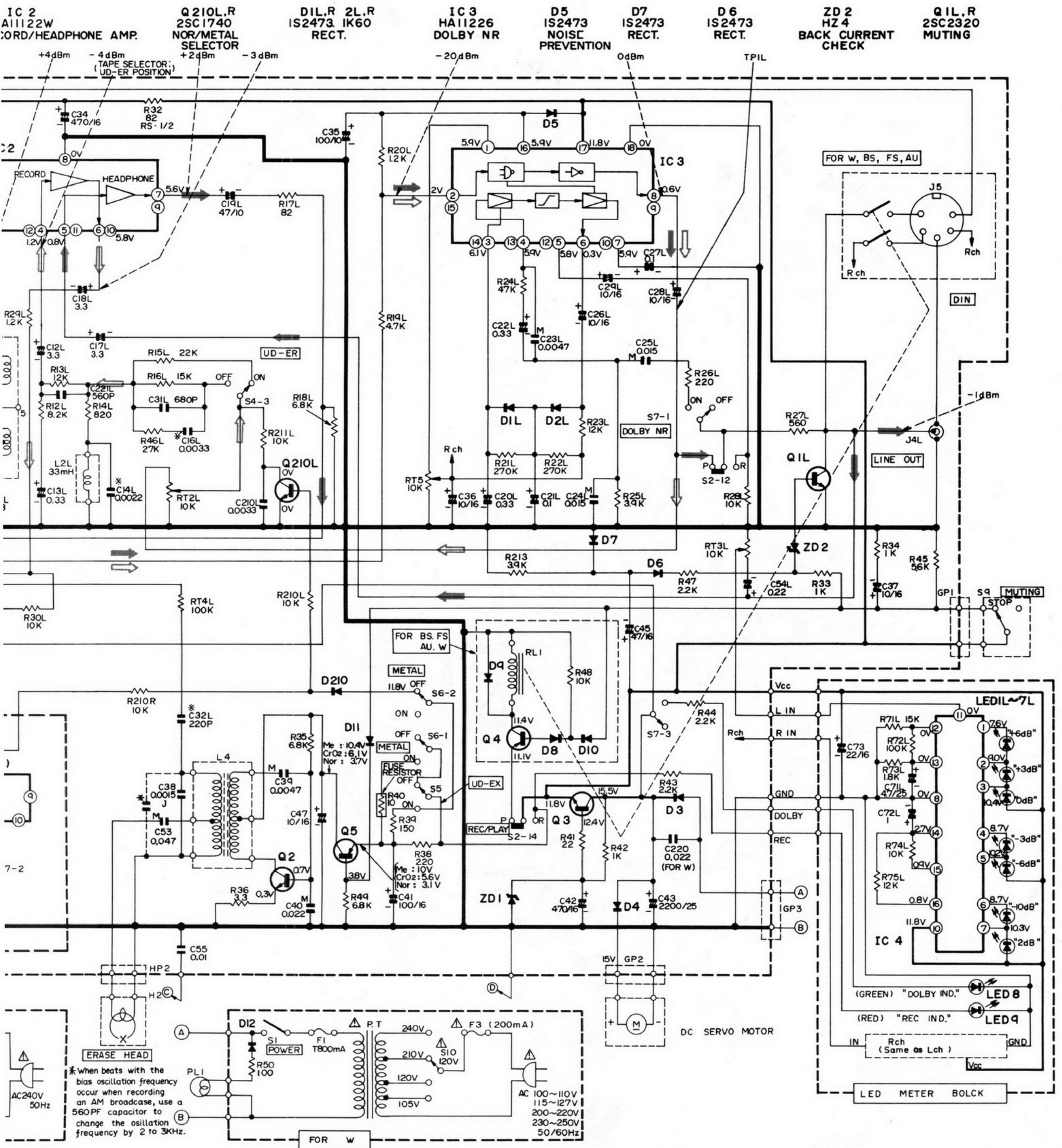
STEREO CASSETTE TAPE DECK

SCHEMATIC DIAGRAM



- D12** ISR34 RECT.
- Q2** 2SD667 BIAS OSC.
- Q5** 2SA673 SWITCHING
- D210** IS2473 SWITCHING
- D11** IS2473 BACK

* When bias occurs an A 560P change frequ



- D11 IS2473
- D9 IS2473
- D8,D10 IS2473
- Q4 2SA673
- Q3 2SC1061SC
- D3 SM1A-02
- ZD1 HZ-12
- D4 SM-1A-02
- IC 4LR 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.