OPERATING MANUAL

PC-9335
Двухкассетная дека
Hi-Fi

PUBLIC ADDRESS LOGIC

DOUBLE DECK

PC-9335



Находится на книжке
у Волкова

interM

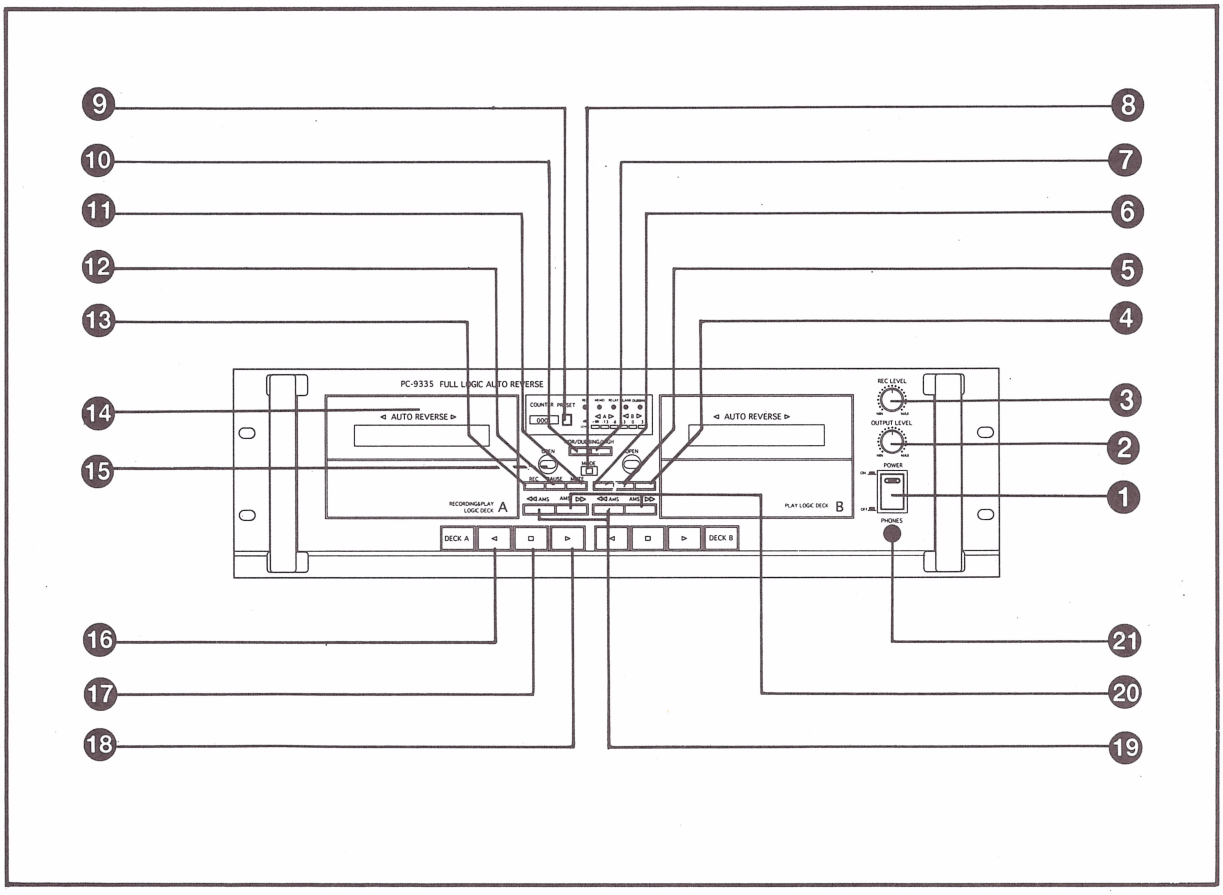
Unpacking and Installation

Although it is neither complicated to install nor difficult to operate your double cassette deck, a few minutes of your time is required to read this manual for a properly wired installation and becoming familiar with its many features and how to use them. Please take a great care in unpacking your set and do not discard the carton and other packing materials. They may be needed when moving your set and are required if it ever becomes necessary to return your set for service. Never place the unit near raditor, in front of heating vents, to direct sun light, in excessive humid or dusty location to avoid early damage and for your years of quality use. Connect your complementary components as illustrated in the following page.

Features

- FULL LOGIC AUTO-REVERSE DECK
  For continuous playback of BGM, high reliable and full logic controlled auto reverse deck mechanism is provided.
- SYNCHRO DUBBING OF NORMAL AND HI-SPEED
  Synchro dubbing is available from Deck B to A with normal or high speed.
- FIXED AND VARIABLE OUTPUT
  For the PA system use, fixed output and variable output which is controlled with level control on the front panel are provided.
- RELAY PLAYBACK
  This model has the function of not only autoreverse but also relay playback. When deck B reach to the end, deck A start playback automatically.
- AMS AND BLANK SKIP FUNCTION
  For the convenience use, Automatic Music Search and Blank Skip functions are provided.
- EMERGENCY BATTERY OPERATION
  You can operate this cassette deck by using 24V emergency battery for unexpected AC power failure.

2
Front Panel Controls



1. POWER SWITCH
   Turn the power on and off.

2. PLAY LEVEL CONTROL
   This control is used for adjusting the output level of variable PLAYOUT and headphone out.

3. RECORDING LEVEL CONTROL
   When recording on Deck A, you can control the recording level.

4. BLANK SKIP BUTTON
   SKIP no music (blank) portion. (See page 5)

5. RELAY PLAY BUTTON
   When this button is ON, the Deck relays to play from Deck B to Deck A, or vice versa.

6. MEMORY BUTTON
   Press this button to stop the tape when counter reaches "000" in the fast forward and fast rewind modes.

7. HIGH SPEED DUB BUTTON
   Press this button to set to High Speed Dubbing Mode.
   *During dubbing mode, press the STOP button of the Deck A or the Deck B to stop this unit. (See page4)

8. REVERSE MODE SELECTOR
   a. ⇄ : One side PLAY or REC (SIDE A→STOP, SIDE B→STOP)
   b. ⇉ : SIDE A→SIDE→B→STOP, SIDE B→STOP.
   c. ⇆ : Continuous Auto Reverse
   DECK A : SIDE A→SIDE B→DECK B : SIDE A→SIDE B→DECK A : SIDE A→ SIDE B→.
   WHEN REC or DUB,
   SIDE A→SIDE B→STOP, SIDE B→STOP.

9. RESET BUTTON / COUNTER
   Press the RESET button to zero the counter before starting to record or play. This will enable you to easily relocate any point on the tape.

10. NORMAL SPEED DUB BUTTON
    Press this button to set to Normal Speed Dubbing Mode.

11. REC MUTE BUTTON (■)
    Press this button to provide 4 seconds blank portion during recordings. Use this button in REC pause or REC mode.

12. PAUSE BUTTON (▮▮)
    Press this button in PLAY or REC mode, and the tape will be in PAUSE mode.

13. REC BUTTON (●)
    Press this button, this unit will be in recording pause mode.

14. CASSETTE DOOR
    This door can be easily dismounted by pushing it up and then taking it out toward the front after opening in door. Press the eject button of the Deck to open the cassette door when Deck is in the stop mode.

15. EJECT BUTTON
    Use this button to open or close the cassette door.

16, 18. FORWARD PLAY BUTTON (►) / REVERSE PLAY BUTTON (◄)
    ►: Press this button, and tape will be in forward play mode. The indicator '►' lights up.
    ◄: Press this button, and tape will be in reverse play mode. The indicator '◄' lights up.

17. STOP BUTTON (■)
    Press this button to stop the tape.

19, 20. FAST FORWARD BUTTON (►►) / REWIND BUTTON (◄◄)
    Press these buttons to fast forward (►►) or rewind (◄◄) the tape. Use these buttons during playback for AMS operation. (See page)

21. PHONES JACK
    Connect the plug of the stereo headphones.

Playback

1. Set REVERSE MODE switch to desired position.
2. Turn the power on.
3. Press the EJECT button.
4. Load recorded cassette tape into the cassette holder with the tape side to be played facing in front.
5. Press the PLAY button. The tape will now start playing. Adjust the volume, tone, etc. on your amplifier to suit to your listening preference.
6. To stop playing, press the stop button. To open the door for removal of the cassette tape, press the EJECT button in stop mode. When the tape reaches the end, the Tape stops or plays automatically. (See No. ⑧ (Reverse mode selector) of page ③).

AMS Playback

This AMS (Automatic Music Search) playback is provided for easy portion of music you want to hear from a cassette tape. During playback, press the fast forward or rewind button, and the tape will skip one music.

Synchro Dubbing from Deck B to Deck A

1. Set REVERSE MODE switch to desired position.
2. Turn the power on.
3. Load a pre-recorded cassette into the cassette holder on Deck B.
4. Load blank cassette (or pre-recorded cassette to replace with new recording) into the cassette holder on Deck A. Check to make sure that the cassette erasure tab on the upper edge has not been removed.
5. Press the dubbing button (DUB or HI DUB).
6. To stop dubbing, press the STOP button.

*NOTE
- During dubbing, the REC LEVEL control is bypassed and REC LEVEL is copied the same level of original tape.
- Sometimes your cassette Deck will copy the dubbing REC LEVEL a little higher or lower as the different brand names of tapes.
- HIGH SPEED dubbing copies 1.5 times faster than NORMAL SPEED, but we recommend to copy (dub) at NORMAL SPEED if a good sound quality is required.

Recording

1. Set REVERSE MODE switch to desired position.
2. Turn the power on.
3. Press EJECT button.
4. Set the function selector on the amplifier to the program source you wish to record; PHONO, TUNER, COMPACT DISC, etc.
5. With the tape side to recorded facing in front, load the cassette into the cassette holder.
   * Make sure that the cassette erasure tab on the upper edge has not been removed.
6. To control recording level adjustment, press REC button the first, then the red 'REC' indicator will flicker (this indicates that the Deck is in recording pause mode.)

7. Adjust the recording level with the REC LEVEL CONTROL knob so that the LED PEAK LEVEL (LED METERS) display indicates about -3dB at the peak reading of program selected. Refer to the RECORDING LEVEL ADJUSTMENT section for details.
8. Press the PLAY button (◄ or ►), then Deck will start recording.
9. When the recording is finished, press the STOP button. When the tape reaches the end while recording. Deck will stop or record automatically.

NOTE:
- If the cassette erasure tab on the upper edge has been removed, recording will not function.
- To erase a tape without adding new recording set REC LEVEL control to zero and press the RECORD and PLAY buttons sequentially.
- To review the just recorded selection, use the tape counter. Press button ⑨ to set the tape counter to "000" at the beginning of every recording and rewind to "000" after recording for review.
- When you use to metal tape, low sensitivity from the Deck.

Blank Skip

With the BLANK SKIP function, after detecting blank portion for about 10 seconds, the cassette Deck rewinds or fast forwards and automatically will play at the beginning of the next music.
* This function operates only during playback.

Timer Operation

TIMER-PLAYBACK (WAKE-UP PLAYBACK)
1. Turn the power on.
2. Insert the tape to be played back.
3. Set the TIMER mode selector to PLAY.
4. Set the audio timer.
5. This Deck will play at the time that you set.

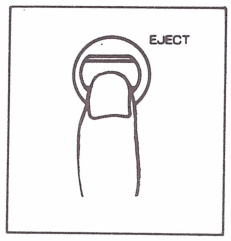
TIMER-RECORDING (UNATTENDED RECORDING)
1. Turn the power on.
2. Insert the tape to be recorded.
3. Set the TIMER mode selector to REC.
4. Set the audio timer.
5. This Deck will record at the time that you set.

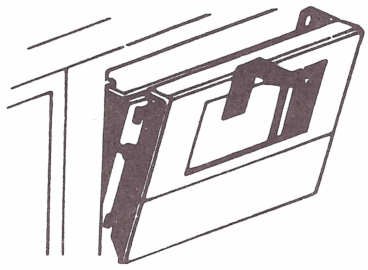
Maintenance

CLEANING OF HEADS AND TAPE PATH

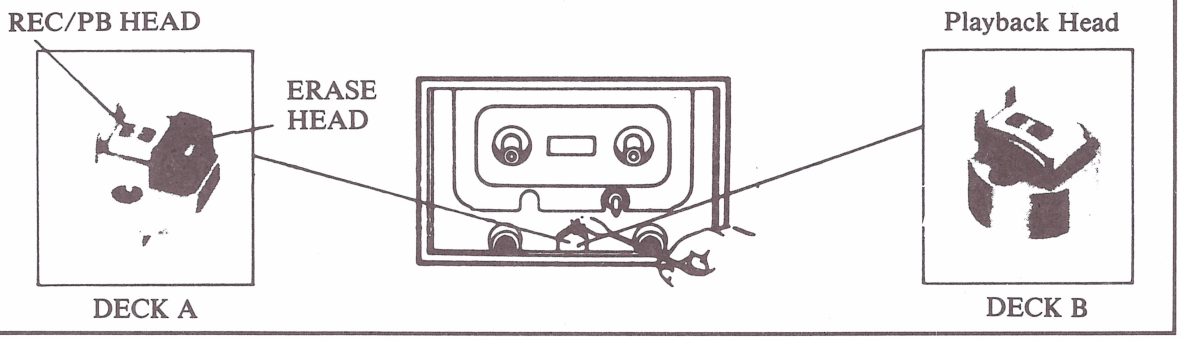
Generally, it is sufficient to clean heads after every 10 hours of operation. However, all surfaces over which tape travels should be cleaned before making high quality recordings.

1. Set the POWER switch to OFF and remove cassette door lid by pushing it up and then taking it out toward the front side after opening the door.

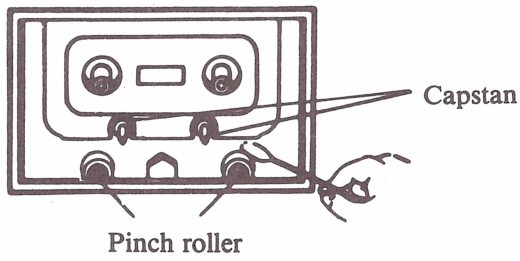




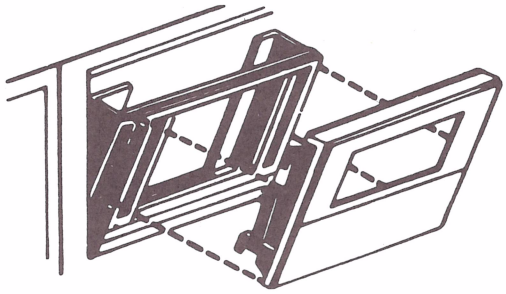
2. Wipe the heads using a cleaning tip slightly moistened with commercially available head cleaner.



3. Wipe the capstan and pinch roller using another cleaning tip slightly moistened with the commercially available rubber cleaner.

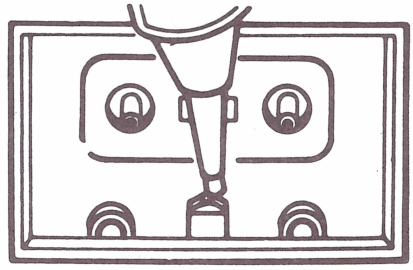


4. Replace the door lid.
   - Do not insert cassette until the cleaner dries out.



DEMAGNETIZING HEADS

Residual magnetism will gradually build up on the heads through continuous use and cause erasure of high frequencies and hiss. The heads and metallic parts of the tape path should be demagnetized after 20-30 hours of operation with a commercially available head demagnetizer. Be sure the cassette deck is turned off.



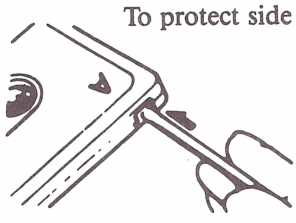
CLEANING CABINET

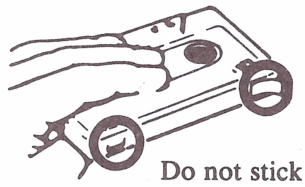
Clean the cabinet, panel and controls with a soft cloth lightly moistened with mild soap solution. Do not use any type of sourcing powder or solvent such as alcohol or benzine.

Note on Cassette

TO PROTECT RECORDING FROM ACCIDENTAL ERASURE

Remove the tab as illustrated so that the REC cannot be activated. To record on a cassette after tabs have been removed, simply cover the slot with cellophane or vinyl tape.

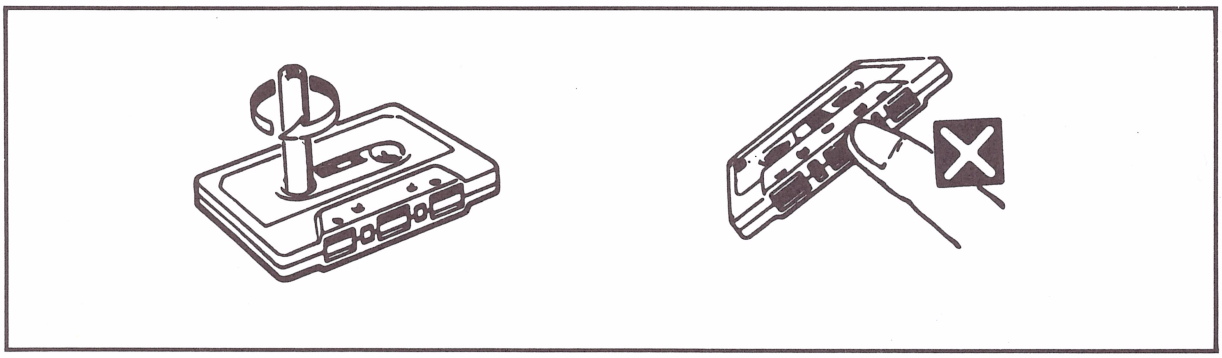




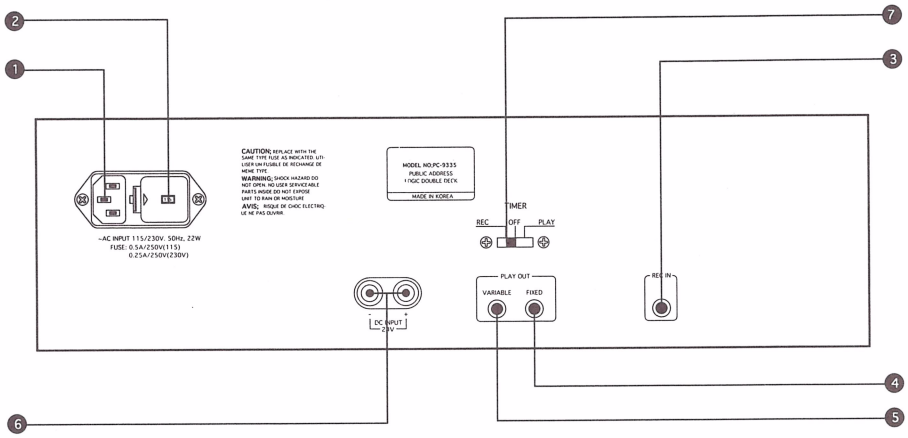
Do not stick and other material except on the portion marked

CASSETTE CARE

- Before inserting a cassette, take up the slack of the tape to prevent it from becoming entangled around the capstan.
- Avoid touching the tape surface of a cassette. Protect it from dust by storage in a case. Even minor dirt of dust could cause contamination of the heads resulting in noise and sound drop-out.
- In case you store your cassette tape, stretch your cassette tape by your pencil or stick, etc.
- When you draw cassette tape from the Deck, press the stop Button. (Playing or Recording the time)



Rear Panel Controls



1. AC PLUG
   This AC INPUT CORD into AC INLET.

2. FUSE HOLDERS
   This fuse holder contain AC fuse (DC fuse holder is on the PCB). When they are blown out replace them with same type fuse as following page. If they continuously blow, stop replacing fuse and refer servicing to qualified personnel.

VOLTAGE	AC 115V	AC 230V	DC
FUSE RATING	0.5A/250V	0.25A/250V	1A/250V

3. REC IN/MONO
   Connect the patch cords between the REC IN of this unit and TAPE OUT (REC) terminal of your amplifier or mixer out etc.

4. PLAYOUT/FIXED MONO
   This jack is for the mono line out, and the levels are not adjusted by play level control on front panel.

5. PLAYOUT/VARIABLE MONO
   This jack is for the mono line out, and the level is adjusted by play level control on front panel.

6. DC IN TERMINAL (DC +24V)
   These terminals are for connecting DC power supply of battery. Connect red colored terminal to positive lead of battery and black colored one to negative lead of battery.

7. MODE ON AND OFF
   - PLAY: Set this position for timer playback
   - REC: Set this position for timer record.
   - OFF: When the time is not to be used, set the switch to this position.

Specifications

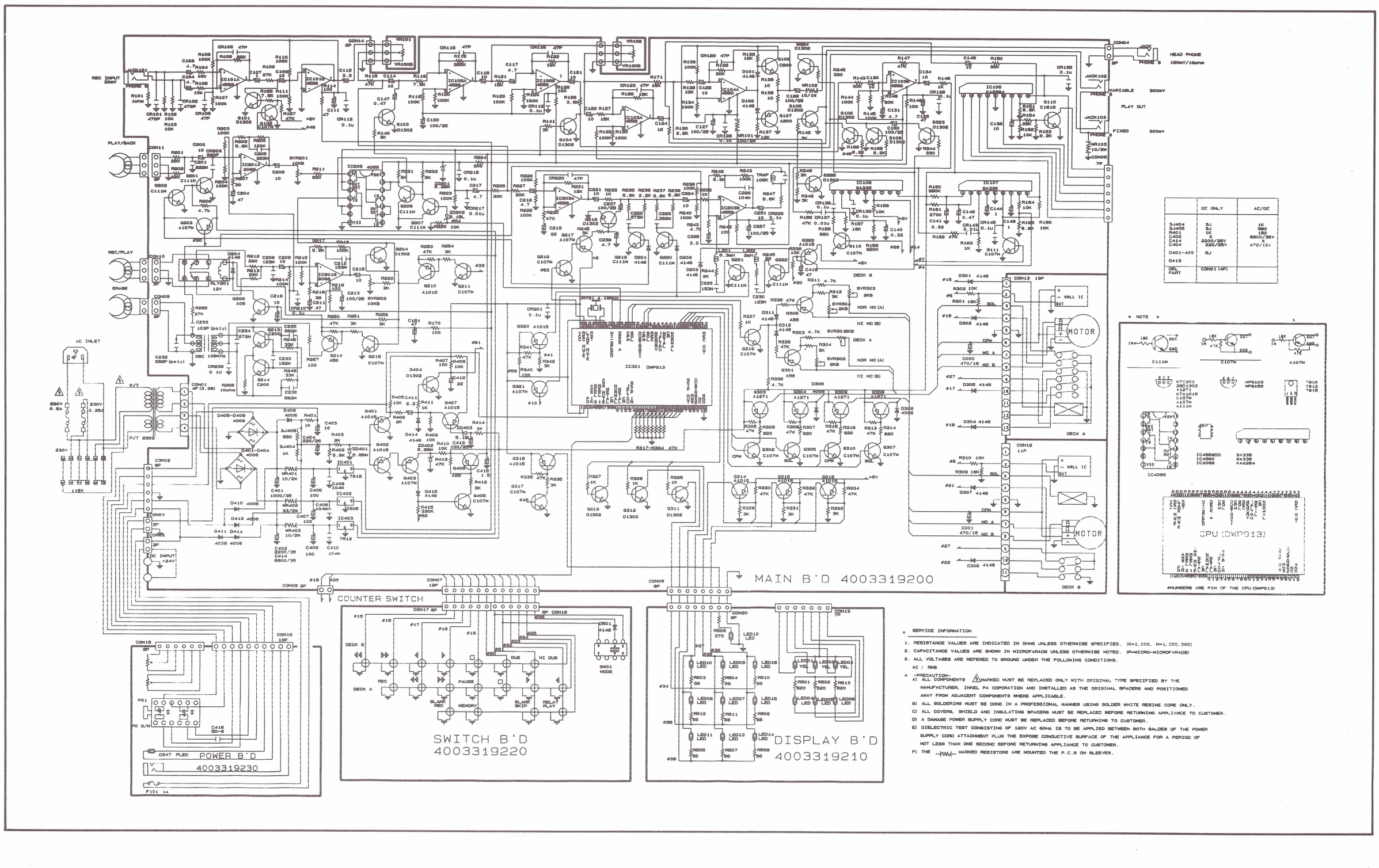
ELECTRICAL

Type	Mono double full logic cassette deck
Track System	4 track, 2 channel mono playback (Deck B) and recording/playback (Deck A)
Recording System	AC bias system (bias frequency: 105KHz)
Erase System	AC system
Tape Speed	4.76cm/sec, 7.14cm/sec (High Dubbing)
Heads	Rotary reverse head (REC/Playback head × 1, Erase head × 1): DECK A Rotary reverse head (Playback head × 1): DECK B
Motor	High torque DC motor
Wow and Flutter	Less than 0.12% (WRMS)
Fast Winding Time	Approximately 120 seconds with C-60 cassette tape.
Frequency Response (-20dB REC)	Normal tape 125Hz-6.3KHz
Signal to Noise (REC/PB)	45dB
Input Sensitivity/Impedance	20mV/47Kohms
Output Level/Impedance Line (Fixed/Variable)	300mV/2Kohms

GENERAL

Power Source	AC 115V/230V, 50/60Hz or DC 24V
Dimensions	482(W) × 132(H) × 280(D) mm
Weight	6 kg
Power Consumption	22 W

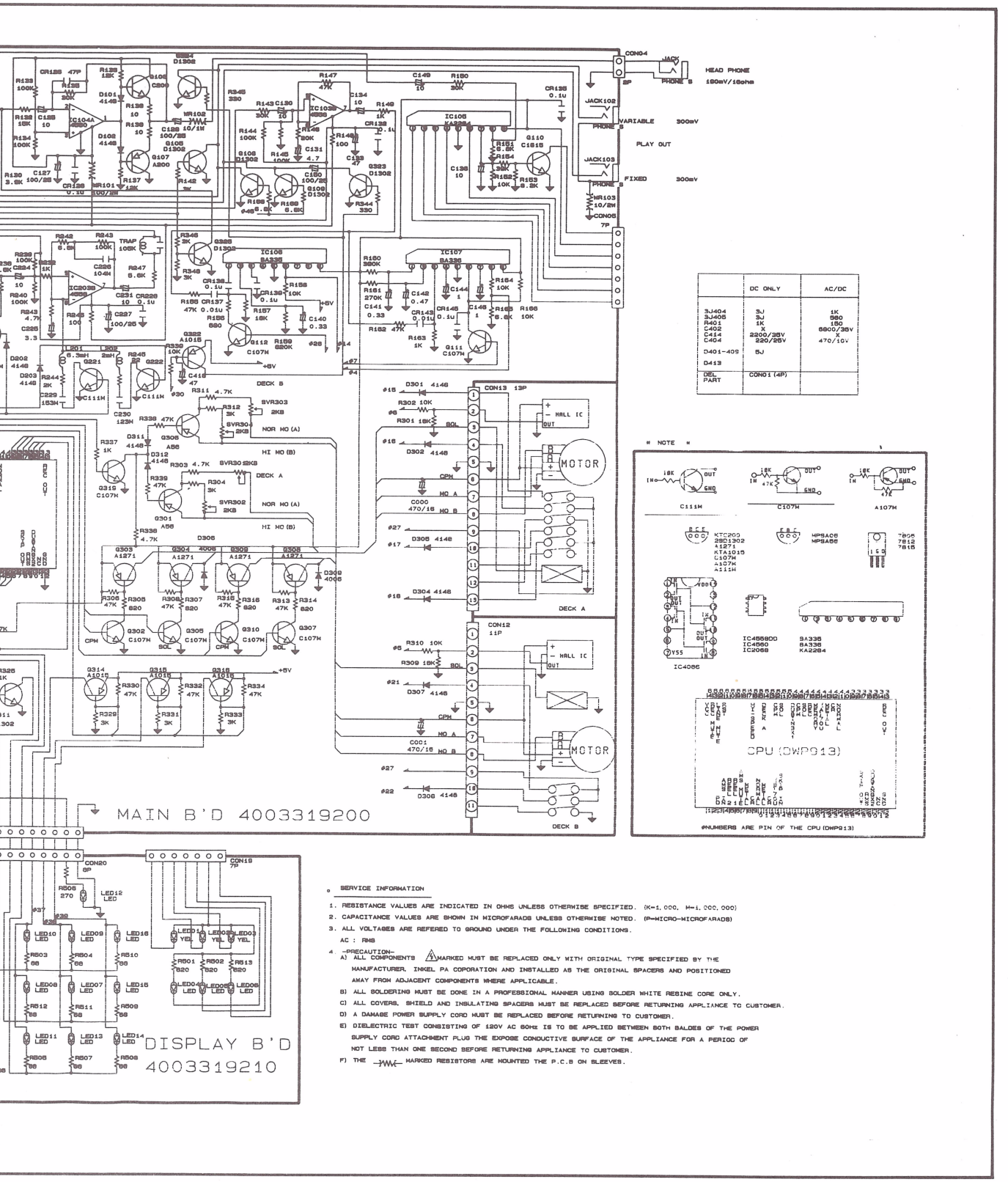
Schematic Diagram



	DC ONLY	AC/DC
3J404	3J	1K
3J405	3J	560
R401	1K	150
C402		6800/35V
C414	2200/35V	X
C404	220/25V	470/10V
D401~409	5J	
D413		
DEL PART	CON01 (4P)	

SERVICE INFORMATION

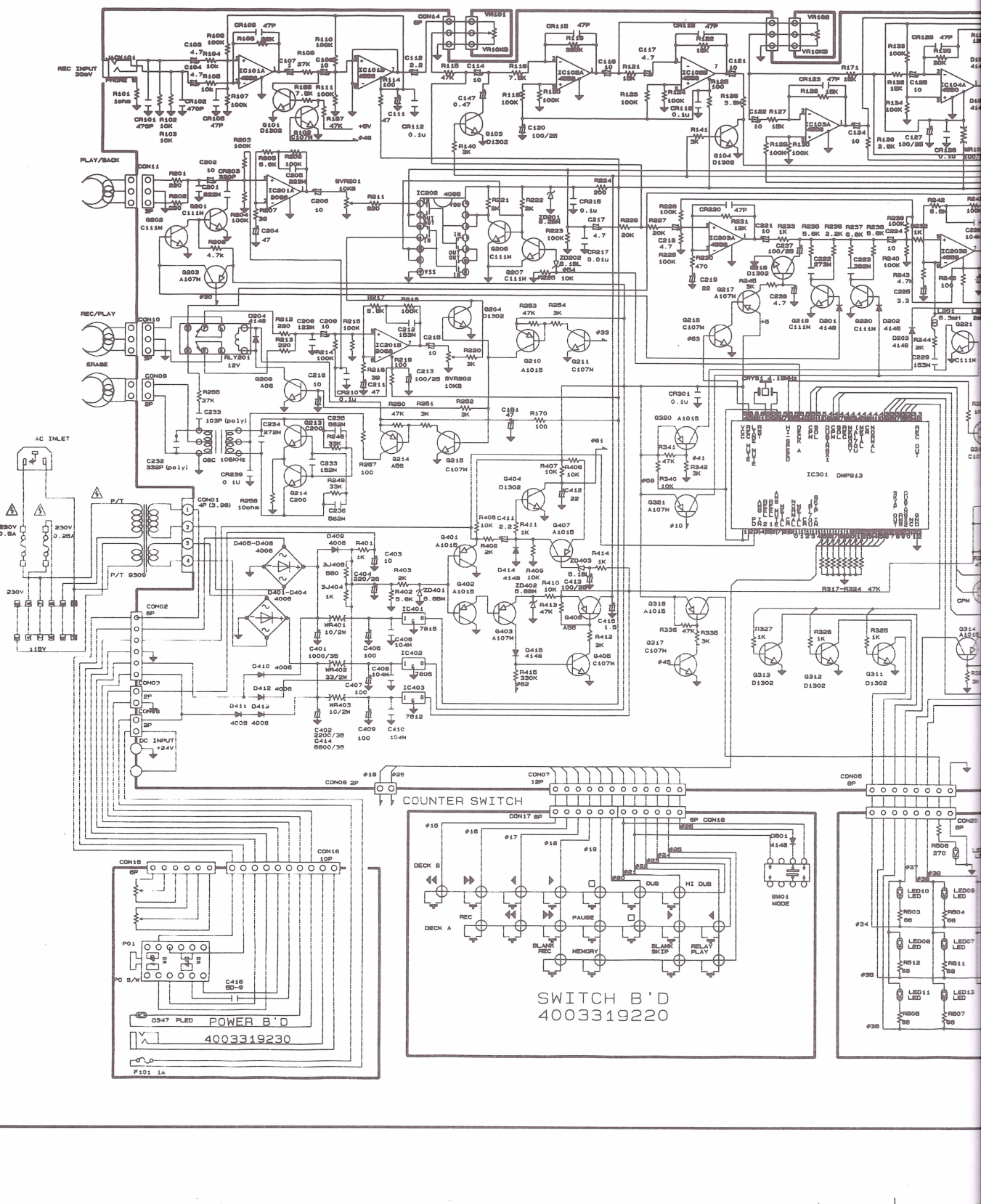
1. RESISTANCE VALUES ARE INDICATED IN OHMS UNLESS OTHERWISE SPECIFIED. (K=1,000, M=1,000,000)
2. CAPACITANCE VALUES ARE SHOWN IN MICROFARADS UNLESS OTHERWISE NOTED. (P=MICRO-MICROFARADS)
3. ALL VOLTAGES ARE REFERED TO GROUND UNDER THE FOLLOWING CONDITIONS.
   AC : 1KHz
4. -PRECAUTION-
   A) ALL COMPONENTS ⚠ MARKED MUST BE REPLACED ONLY WITH ORIGINAL TYPE SPECIFIED BY THE MANUFACTURER. INKEL PA COPORATION AND INSTALLED AS THE ORIGINAL SPACERS AND POSITIONED AWAY FROM ADJACENT COMPONENTS WHERE APPLICABLE.
   B) ALL SOLDERING MUST BE DONE IN A PROFESSIONAL MANNER USING SOLDER WHITE RESINE CORE ONLY.
   C) ALL COVERS, SHIELD AND INSULATING SPACERS MUST BE REPLACED BEFORE RETURNING APPLIANCE TO CUSTOMER.
   D) A DAMAGE POWER SUPPLY CORD MUST BE REPLACED BEFORE RETURNING TO CUSTOMER.
   E) DIELECTRIC TEST CONSISTING OF 120V AC 60Hz IS TO BE APPLIED BETWEEN BOTH BALDES OF THE POWER SUPPLY CORD ATTACHMENT PLUG THE EXPOSE CONDUCTIVE SURFACE OF THE APPLIANCE FOR A PERIOD OF NOT LESS THAN ONE SECOND BEFORE RETURNING APPLIANCE TO CUSTOMER.
   F) THE ⚠ MARKED RESISTORS ARE MOUNTED THE P.C.B ON SLEEVES.



- SERVICE INFORMATION

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2. CAPACITANCE VALUES ARE SHOWN IN MICROFARADS UNLESS OTHERWISE NOTED. (P=MICRO-MICROFARADS)
3. ALL VOLTAGES ARE REFERED TO GROUND UNDER THE FOLLOWING CONDITIONS.
   AC : RMS
4. -PRECAUTION-
   A) ALL COMPONENTS ⚠ MARKED MUST BE REPLACED ONLY WITH ORIGINAL TYPE SPECIFIED BY THE MANUFACTURER, INKEL PA COPORATION AND INSTALLED AS THE ORIGINAL SPACERS AND POSITIONED AWAY FROM ADJACENT COMPONENTS WHERE APPLICABLE.
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   D) A DAMAGE POWER SUPPLY CORD MUST BE REPLACED BEFORE RETURNING TO CUSTOMER.
   E) DIELECTRIC TEST CONSISTING OF 1200 AC 60Hz IS TO BE APPLIED BETWEEN BOTH BALDES OF THE POWER SUPPLY CORD ATTACHMENT PLUG THE EXPOSE CONDUCTIVE SURFACE OF THE APPLIANCE FOR A PERIOD OF NOT LESS THAN ONE SECOND BEFORE RETURNING APPLIANCE TO CUSTOMER.
   F) THE ⏦ MARKED RESISTORS ARE MOUNTED THE P.C.B ON SLEEVES.

Schematic Diagram



Note _____

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MADE IN KOREA
NO : 9007970411