

1 2 3 4 5

A

B

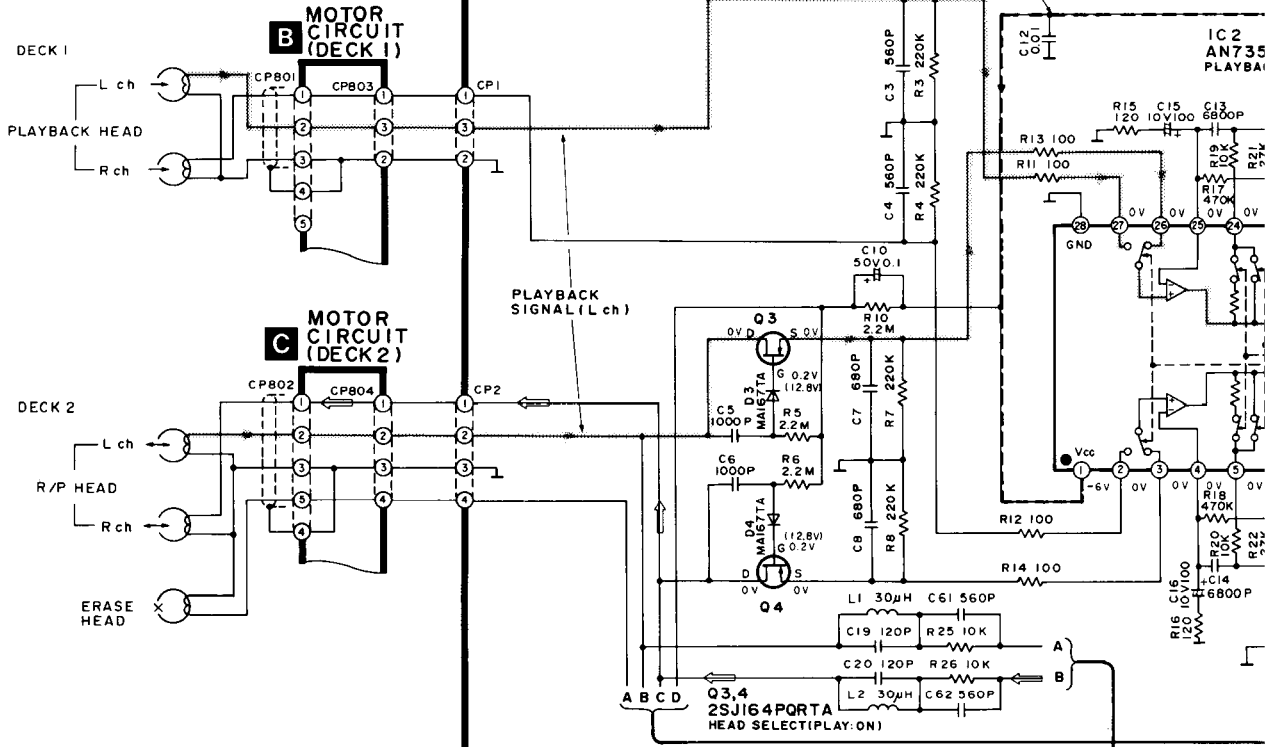
C

D

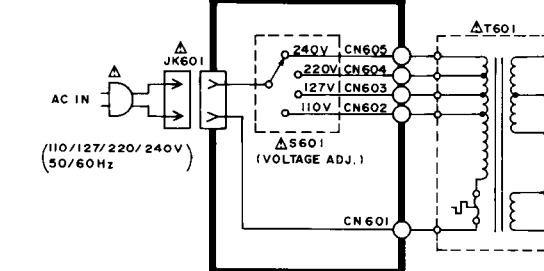
E

F

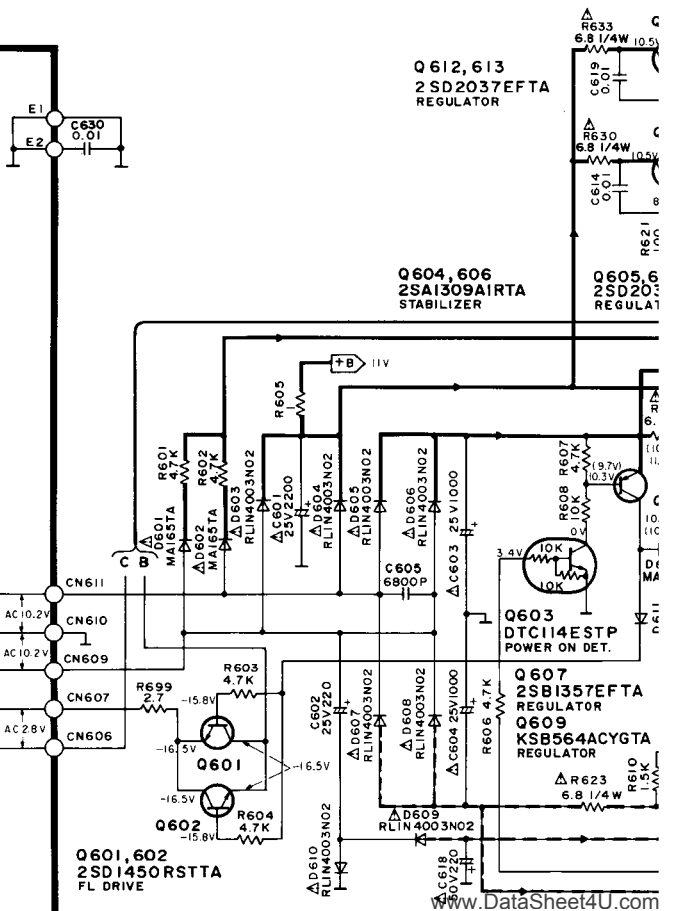
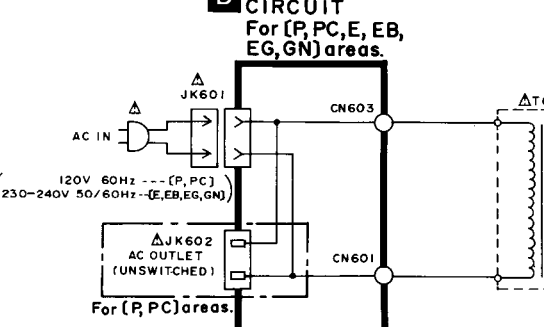
**A** MAIN CIRCUIT (PLAYBACK EQ AMP/POWER SUPPLY/DOLBY NR



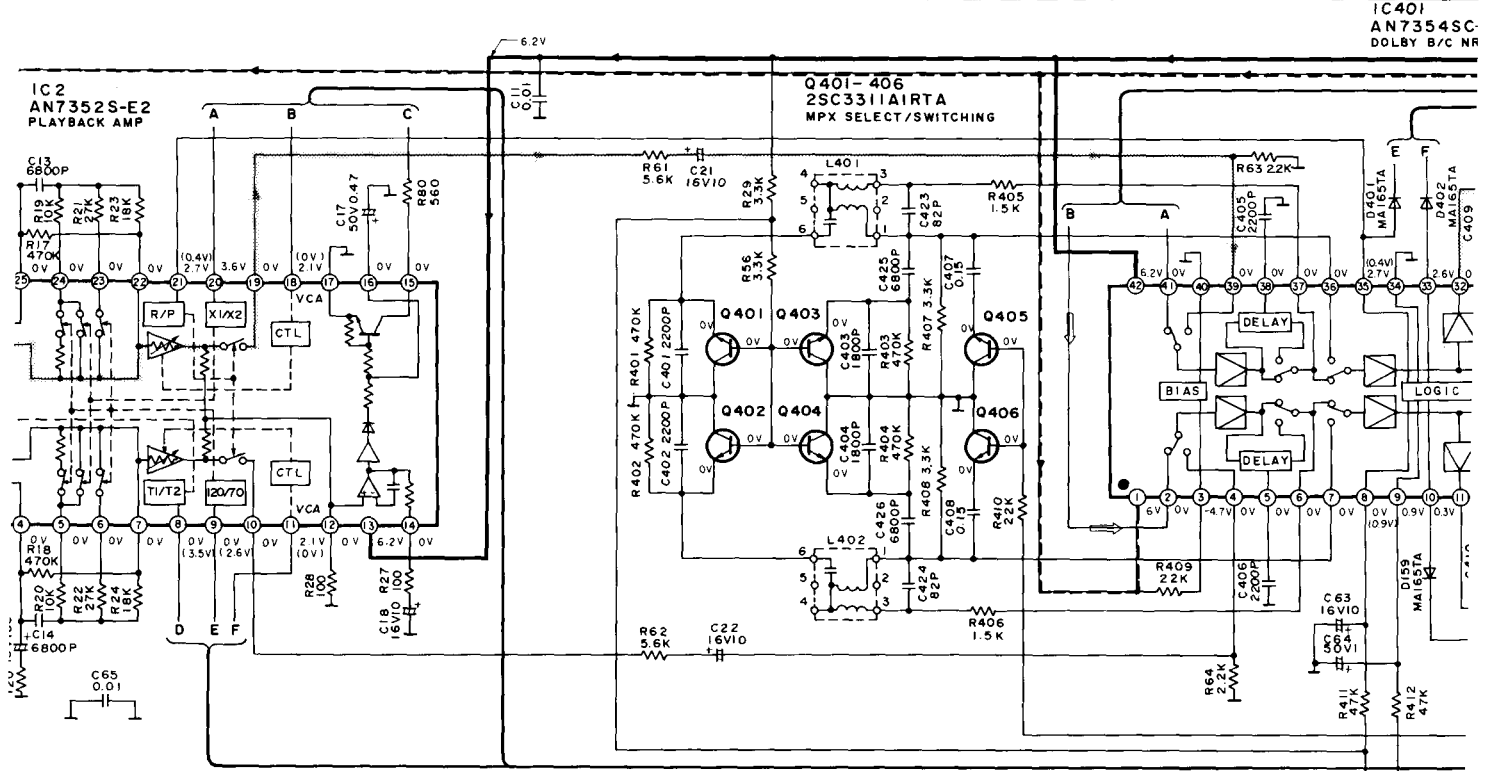
**D** POWER SUPPLY CIRCUIT For (GC) area.



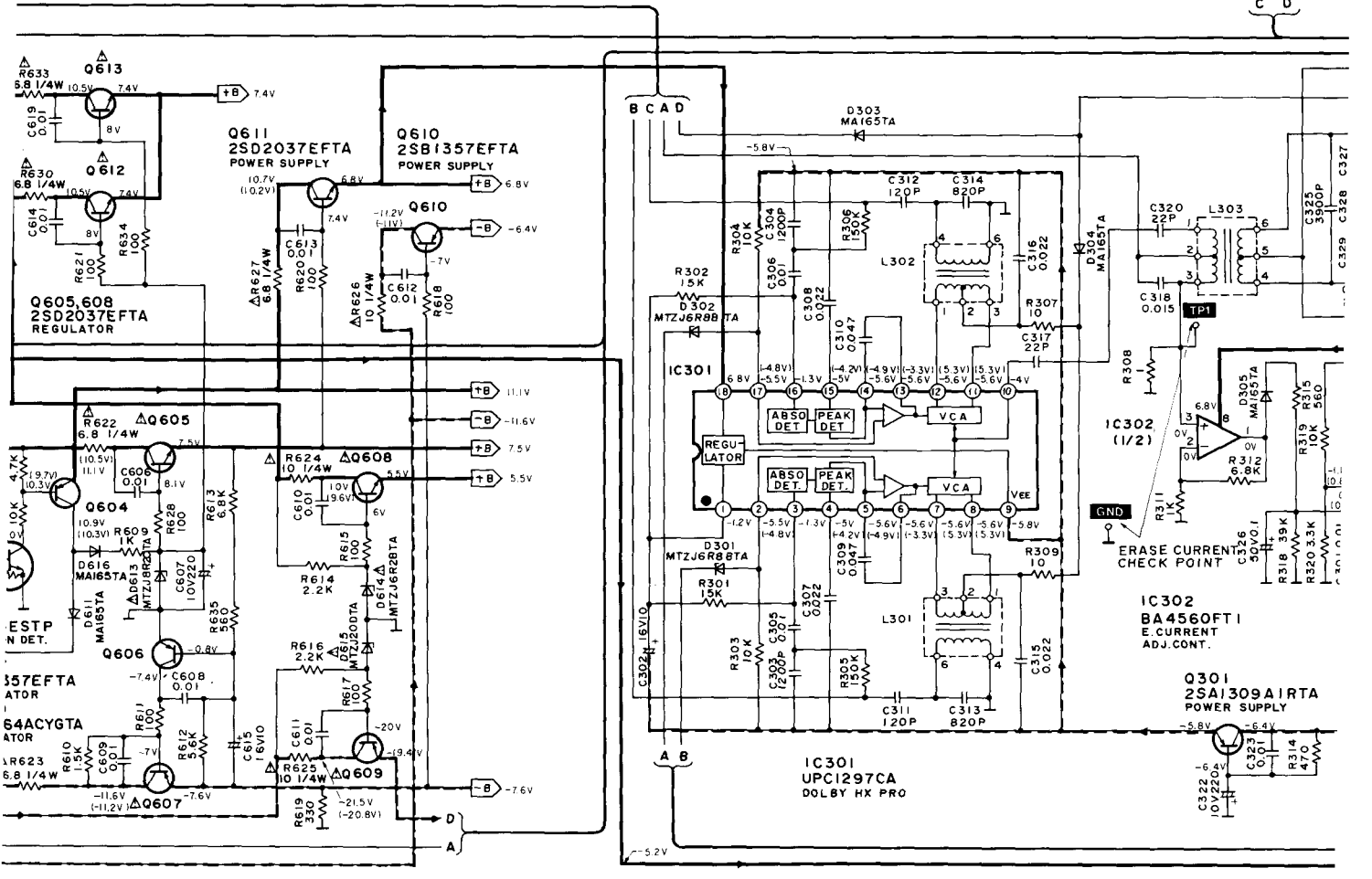
**D** POWER SUPPLY CIRCUIT For (P, PC, E, EB, EG, GN) areas.

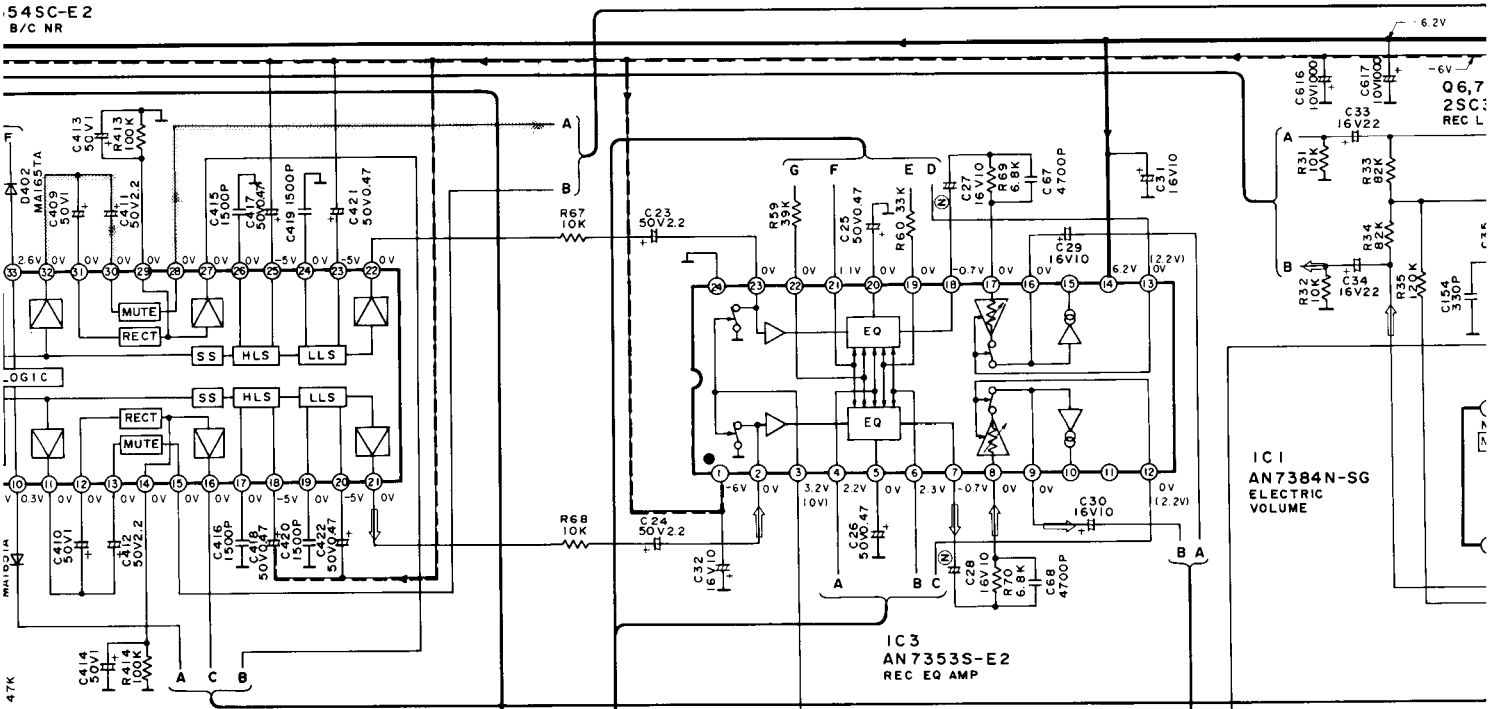


BY NR/HX PRO/BIAS OSC/REC EQ AMP/CONTROL/ELECTRIC VOLUME)



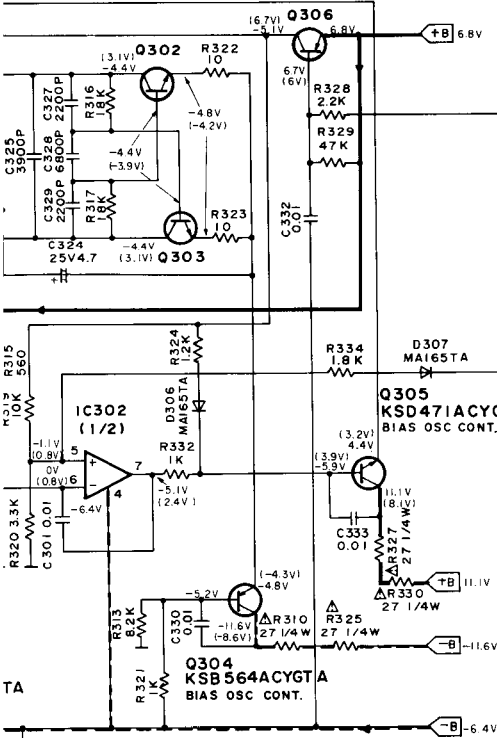
IC401  
AN7354SC  
DOLBY B/C NR



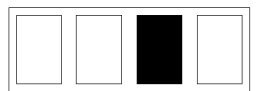
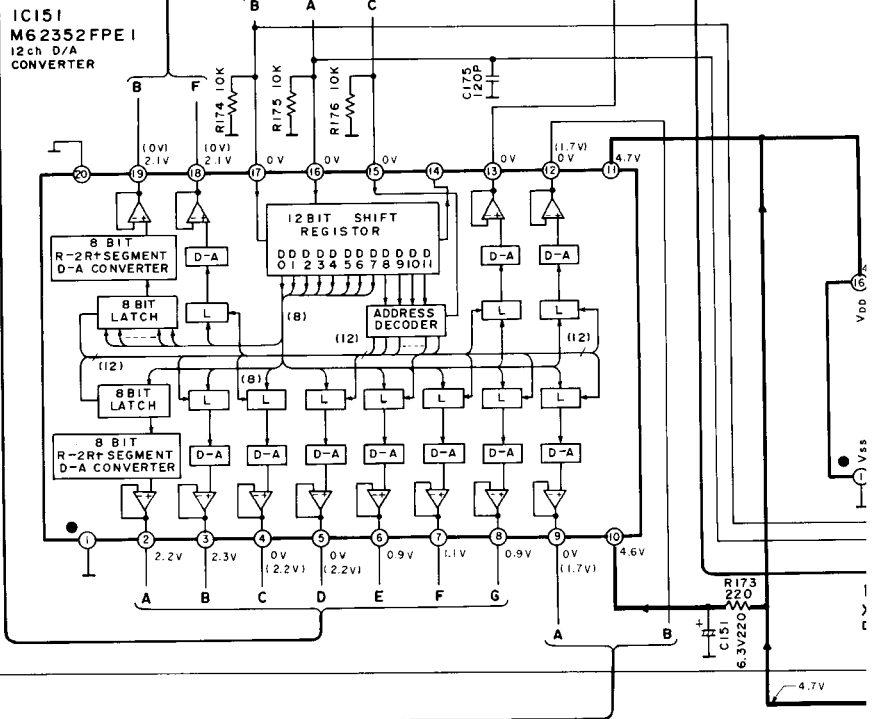


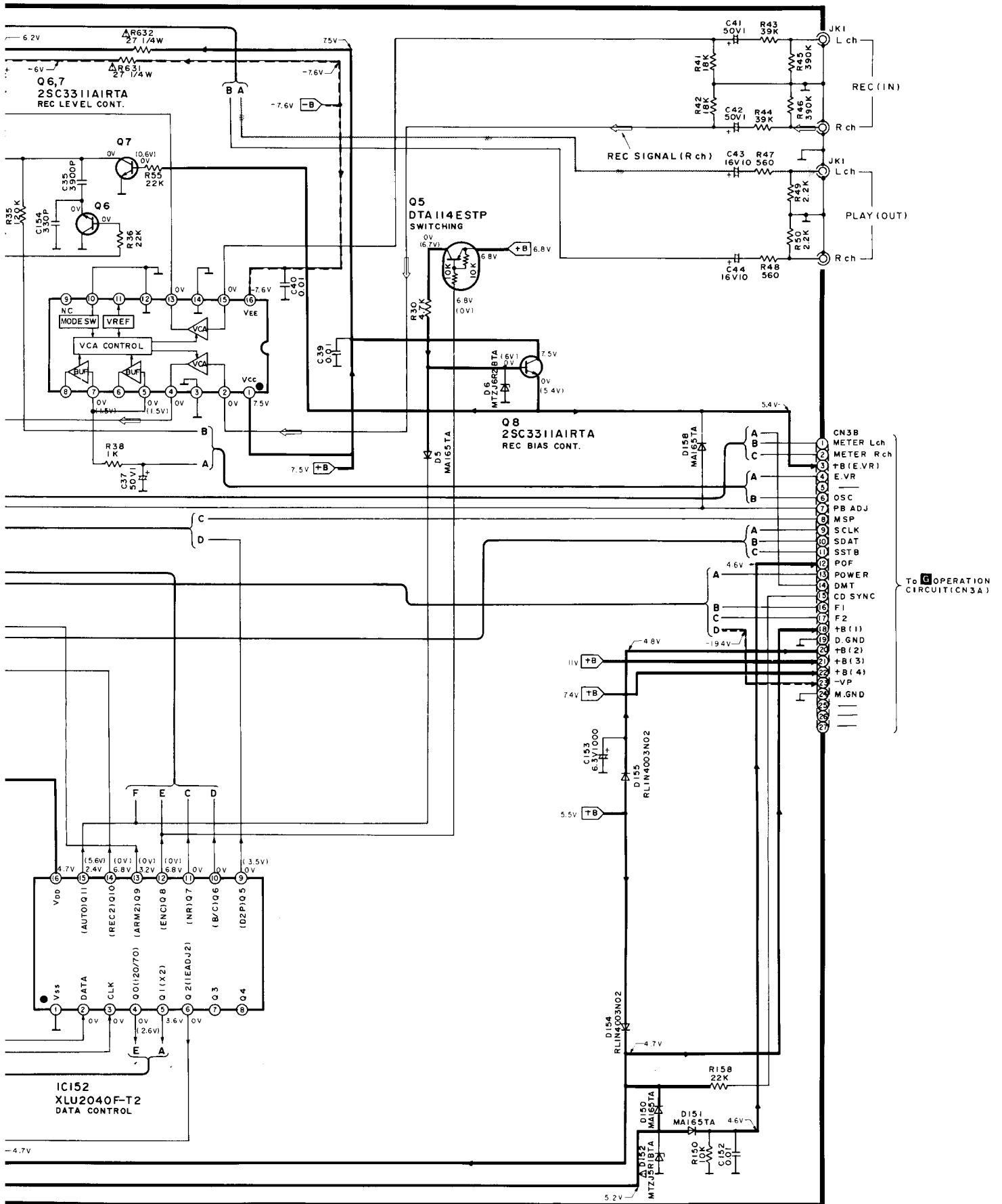
Q302,303  
2SC3311AIRTA  
BIAS OSC

Q306  
2SB1030AQSTA  
BIAS OSC CONT.

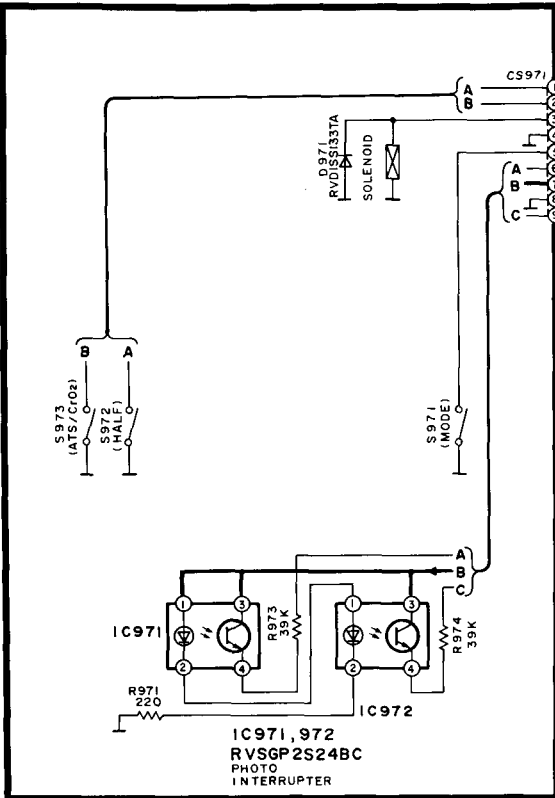


IC151  
M62352FPE1  
12 ch D/A  
CONVERTER

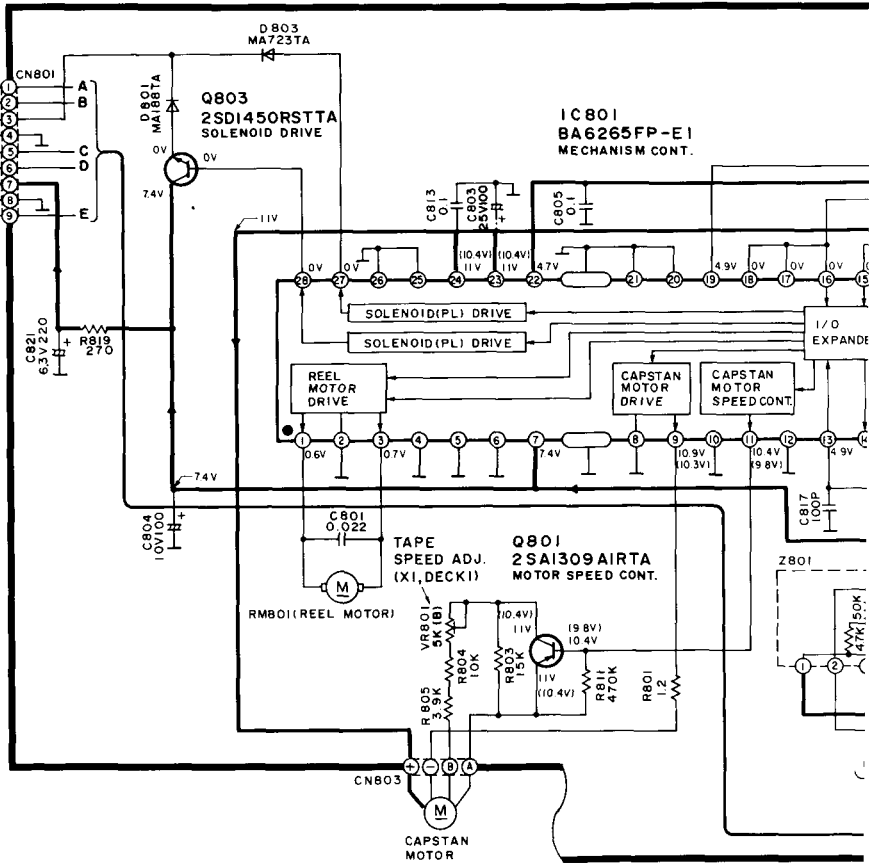




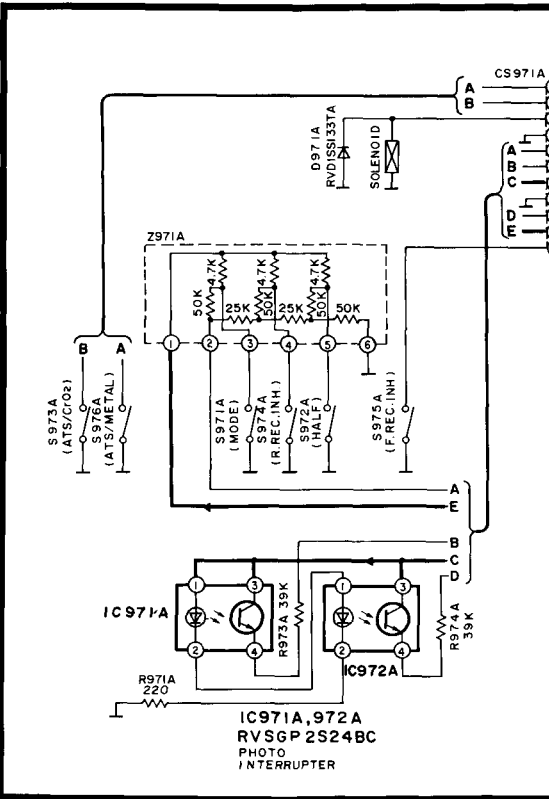
**E** MECHANISM CIRCUIT (DECK 1)



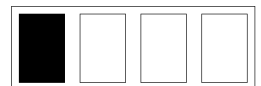
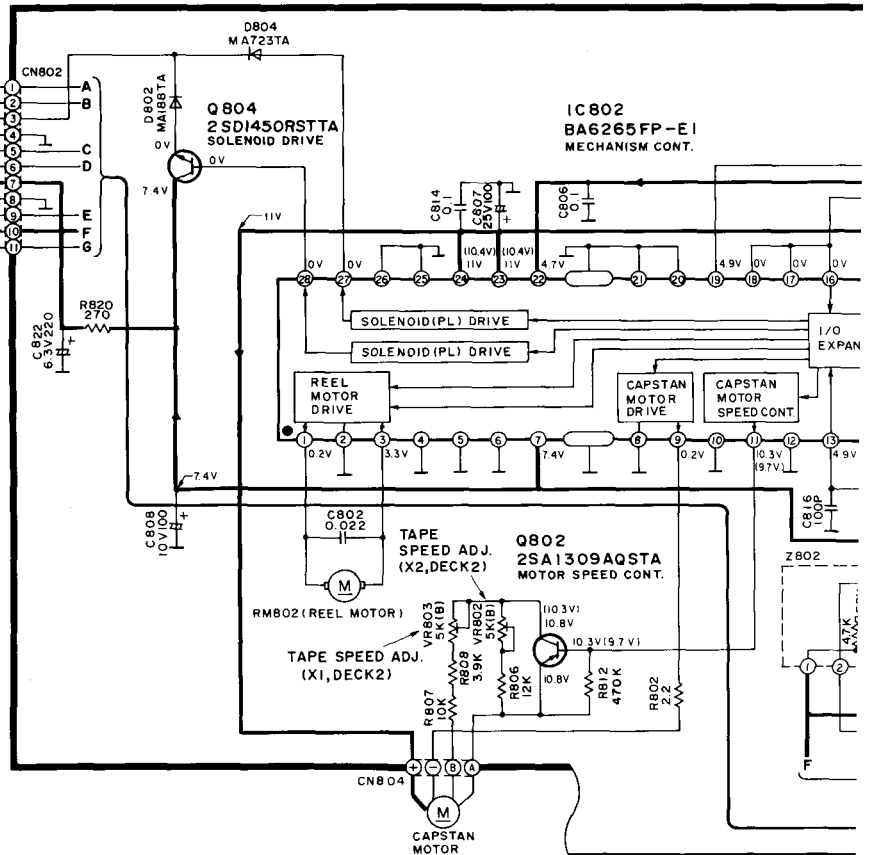
**B** MOTOR CIRCUIT (DECK 1)



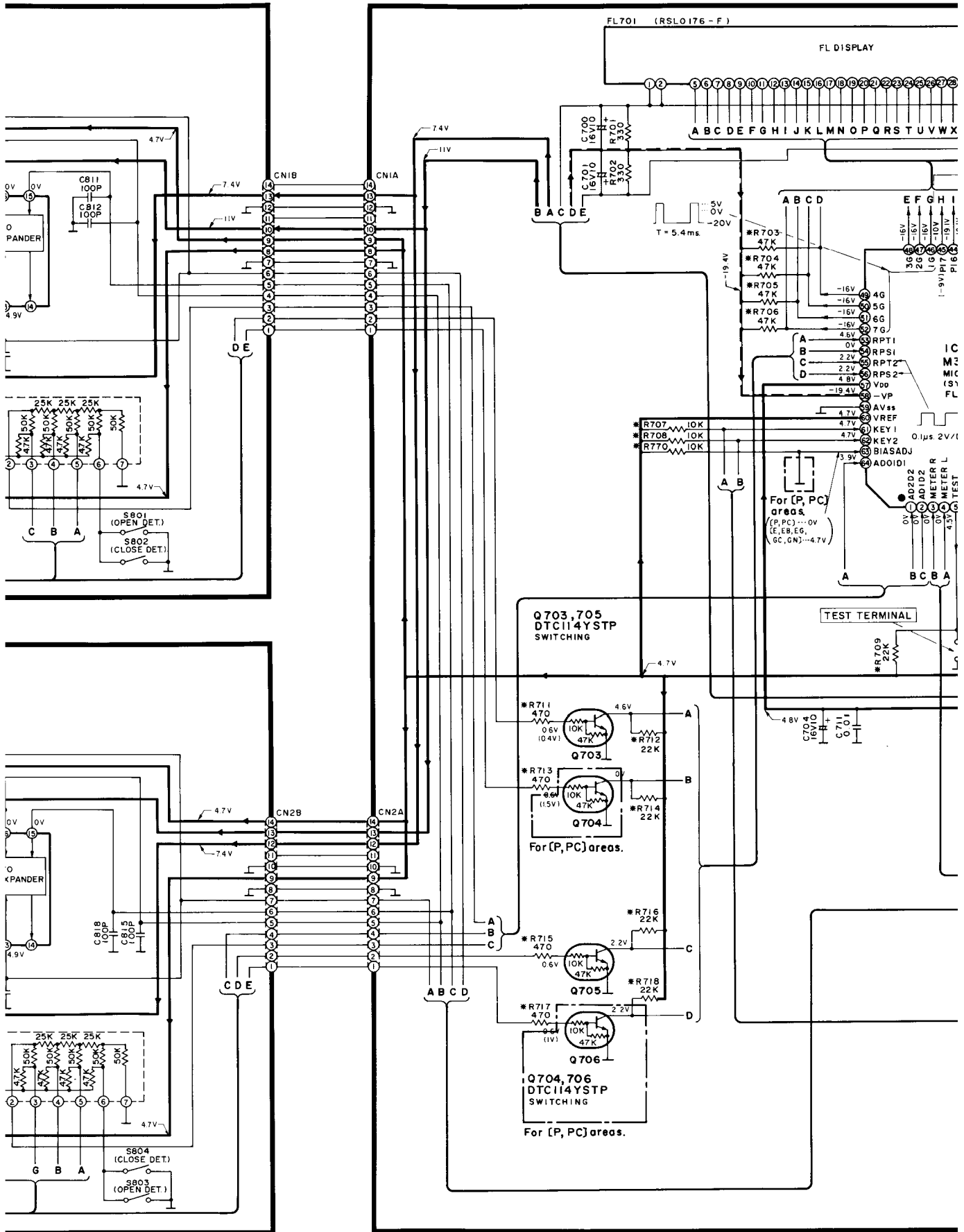
**F** MECHANISM CIRCUIT (DECK 2)

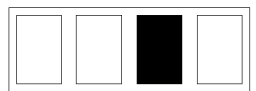
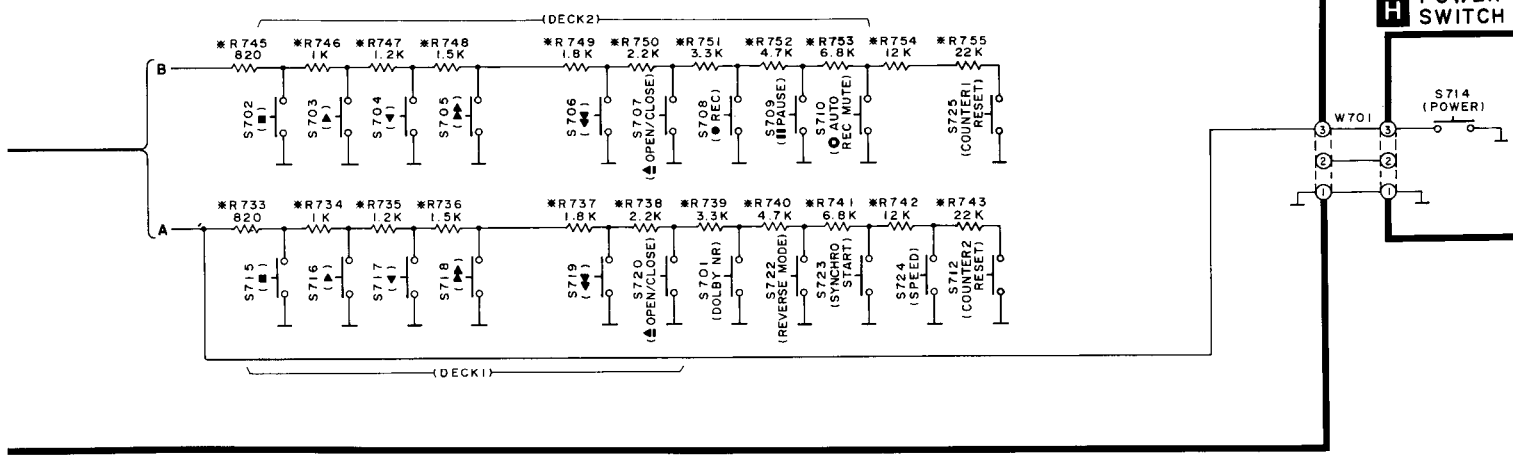
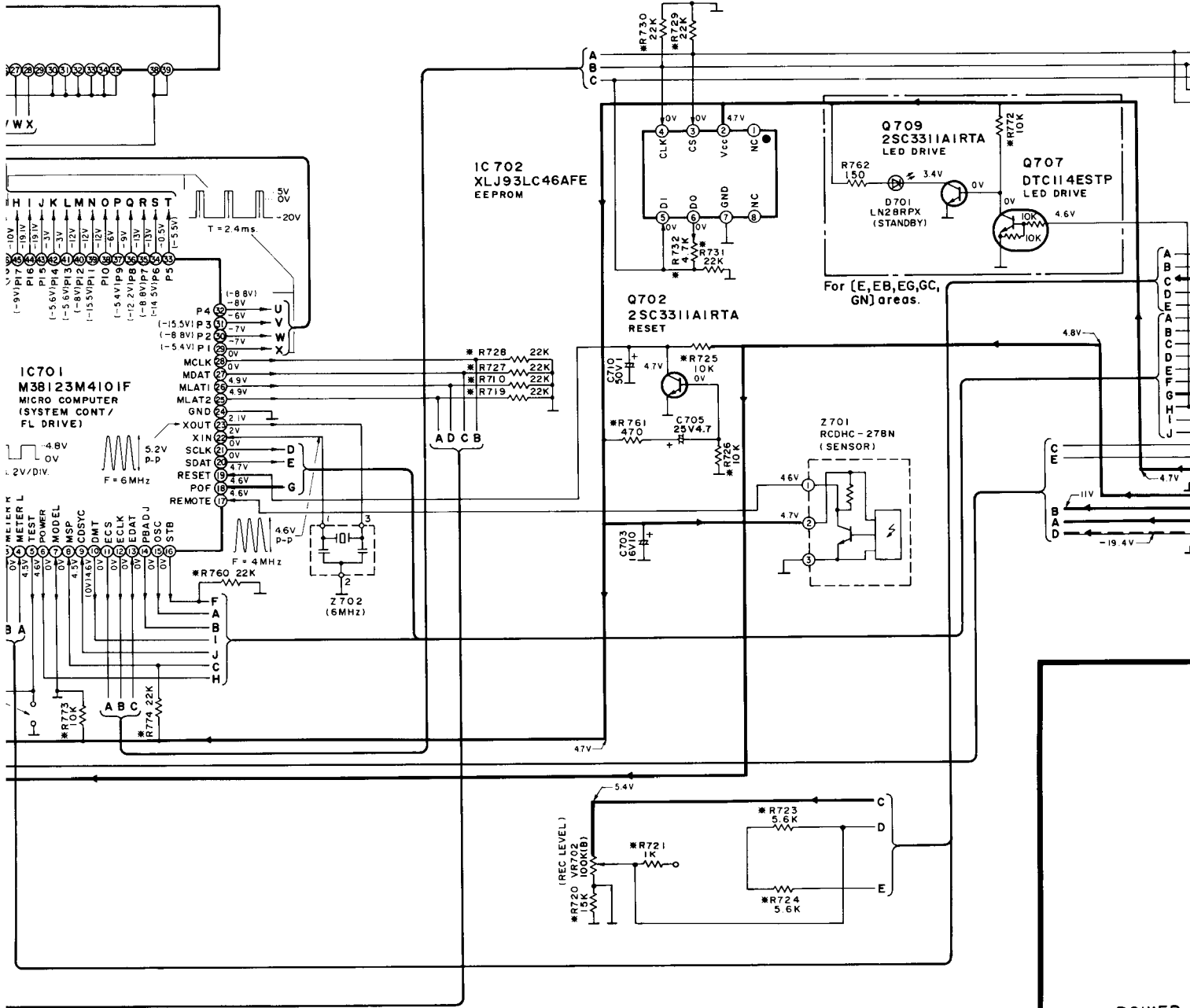


**C** MOTOR CIRCUIT (DECK 2)



**G** OPERATION CIRCUIT





# SCHEMATIC DIAGRAM (Parts list on pages 57~60.)

(This schematic diagram may be modified at any time with the development of new technology.)

**Note 1:**

- S601 : Voltage selector in "240V" position. (For [GC] area only.) (110V ↔ 127V ↔ 220V ↔ 240V)
  - S701 : Dolby noise-reduction switch (DOLBY NR; [B], [C]).
  - S702 : DECK 2 Stop switch (■).
  - S703 : DECK 2 Forward-side playback switch (▶).
  - S704 : DECK 2 Reverse-side playback switch (◀).
  - S705 : DECK 2 Fast-forward search switch (▶▶ TPS).
  - S706 : DECK 2 Rewind search switch (◀◀ TPS).
  - S707 : DECK 2 Open/close switch (▲ OPEN/CLOSE).
  - S708 : DECK 2 Record switch (● REC).
  - S709 : DECK 2 Pause switch (■ PAUSE).
  - S710 : DECK 2 Automatic-record-muting switch (● AUTO REC MUTE).
  - S712 : DECK 2 Counter reset switch (COUNTER 2 RESET).
  - S714 : Power "STANDBY ♂ /ON" switch (POWER, STANDBY ♂ /ON).
  - S715 : DECK 1 Stop switch (■).
  - S716 : DECK 1 Forward-side playback switch (▶).
  - S717 : DECK 1 Reverse-side playback switch (◀).
  - S718 : DECK 1 Fast-forward search switch (▶▶ TPS).
  - S719 : DECK 1 Rewind search switch (◀◀ TPS).
  - S720 : DECK 1 Open/close switch (▲ OPEN/CLOSE).
  - S721 : Auto tape calibration switch (ATC).
  - S722 : Reverse-mode select switch (REVERSE MODE).
  - S723 : Synchro-start switch (SYNCHRO START).
  - S724 : Tape-to-tape recording-speed switch (SPEED; X1, X2).
  - S725 : DECK 1 Counter reset switch (COUNTER 1 RESET)
  - S801 : DECK 1 Cassette holder open detection switch in "off" position.
  - S802 : DECK 1 Cassette holder close detection switch in "off" position.
  - S803 : DECK 2 Cassette holder open detection switch in "off" position.
  - S804 : DECK 2 Cassette holder close detection switch in "off" position.
  - S971 : DECK 1 Mode switch in "off" position.
  - S971A : DECK 2 Mode switch in "off" position.
  - S972 : DECK 1 Half switch in "off" position.
  - S972A : DECK 2 Half switch in "off" position.
  - S973 : DECK 1 ATS (CrO<sub>2</sub>) switch in "off" position.
  - S973A : DECK 2 ATS (CrO<sub>2</sub>) switch in "off" position.
  - S974A : DECK 2 Reverse rec. inhibit switch in "off" position.
  - S975A : DECK 2 Forward rec. inhibit switch in "off" position.
  - S976A : DECK 2 ATS (Metal) switch in "off" position.
- Resistance are in ohms (Ω), 1/4 watt unless specified otherwise.  
 1K=1,000 (Ω), 1M=1,000k (Ω)
- Capacity are in micro-farads (μF) unless specified otherwise.
- All voltage values shown in circuitry are under no signal condition and playback mode with volume control at minimum position otherwise specified.  
 ( )..... Voltage values at record mode.

For measurement us EVM.

**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.

- ( ————< +B >———— ) indicates +B (bias).
- ( - - - - -< -B >- - - - - ) indicates -B (bias).
- ( ————▶———— ) indicates the flow of the playback signal.
- ( ◀———— ) indicates the flow of the record signal.
- The supply part number is described alone in the replacement parts list,

Ref. No.	Production Part No.	Supply Part No.
IC152	XLU2040F-T2	XLU2040F-T1
IC302	BA4560FT1	SVIBA4560FT1

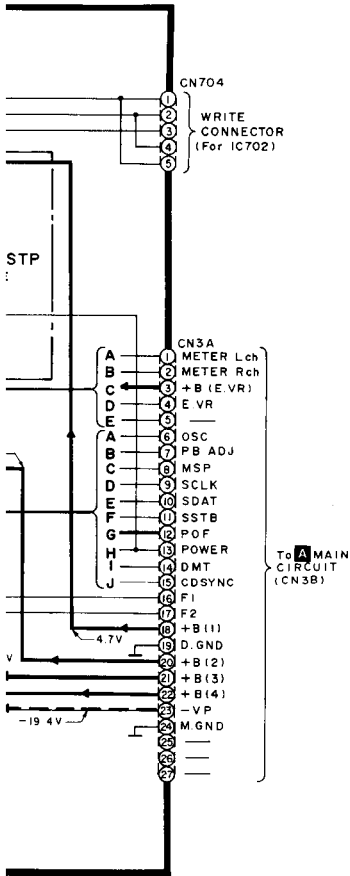
※ marks indicate printed resistor.

**Caution!**

IC and LSI are sensitive to static electricity.

Secondary trouble can be prevented by taking care during repair.

- Cover the parts boxes made of plastics with aluminum foil.
- Ground the soldering iron.
- Put a conductive mat on the work table.
- Do not touch the legs of IC or LSI with the fingers directly.



**POWER SWITCH CIRCUIT**

