

Panasonic

■ SCHEMATIC DIAGRAM (for CD Operation Circuit Section)

Notes:

1. S601 : Memory/Recall switch.
2. S602 : Edit pause switch.
3. S603 : Skip/Search switch (▶▶/▶▶▶).
4. S604 : Play/Stop switch.
5. S605 : Music scan/Remaining time switch.
6. S606 : Skip/Search switch (◀◀/◀◀◀).
7. S607 : Pause/Clear switch.
8. S608 : Repeat switch.
9. S609 : Power switch in "OFF" position.
10. S610 : Open/Close switch. (CD lid close detection)
11. S611 : Laser ON/OFF switch.

12. DC voltage measurements are taken with electronics voltmeter from negative terminal of battery.

No mark: Playback, < >: FM, (): AM, (()): CD

< >: Voltage lines

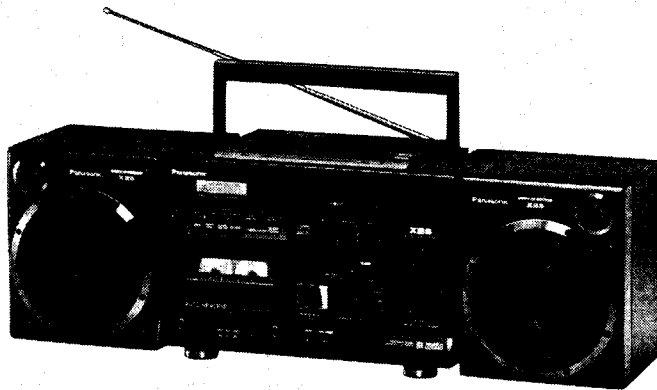
This schematic diagram may be modified at any time with the development of new technology.

Radio Cassette RX-DS650

Portable Stereo CD System

COMPACT
disc
DIGITAL AUDIO

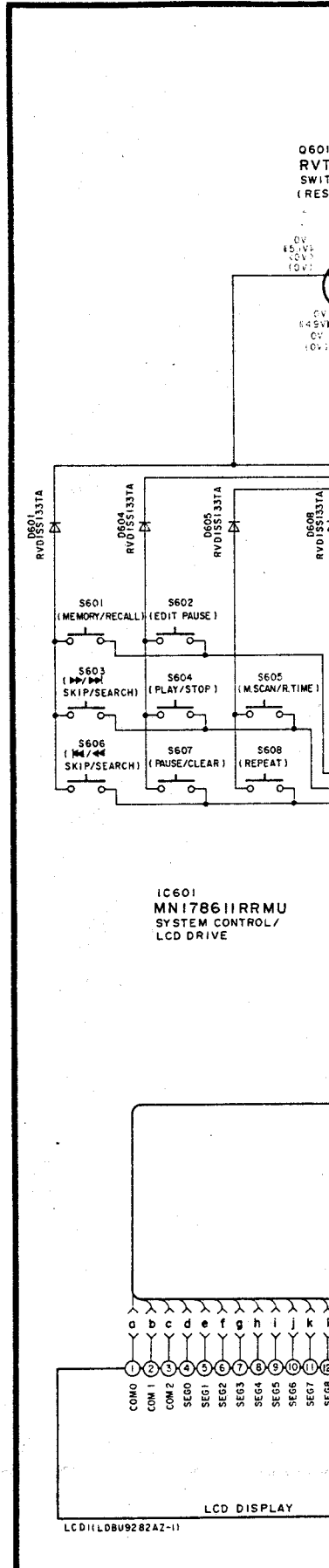
DIGITAL



1 2

A OPERATION (CD) SWITCH C

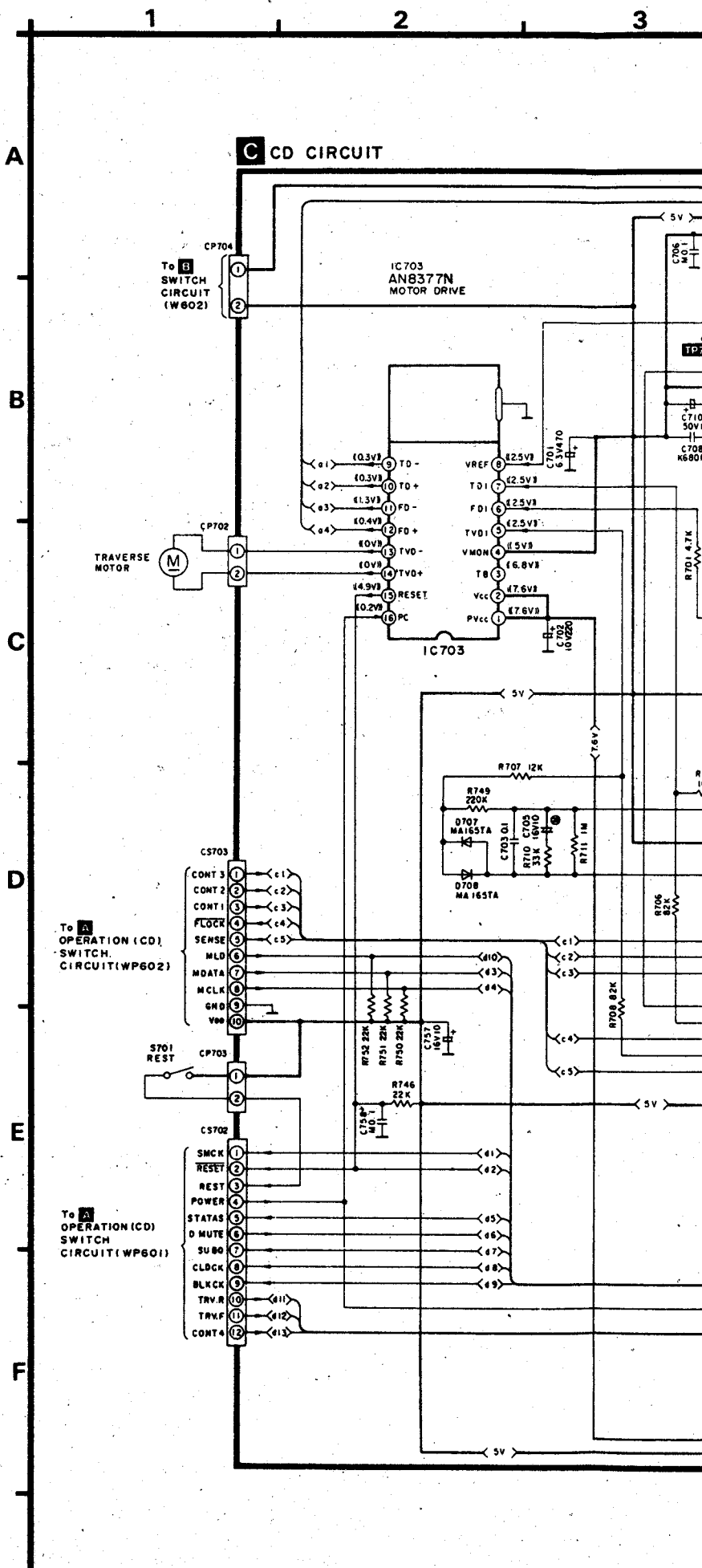
A
B
C
D
E
F

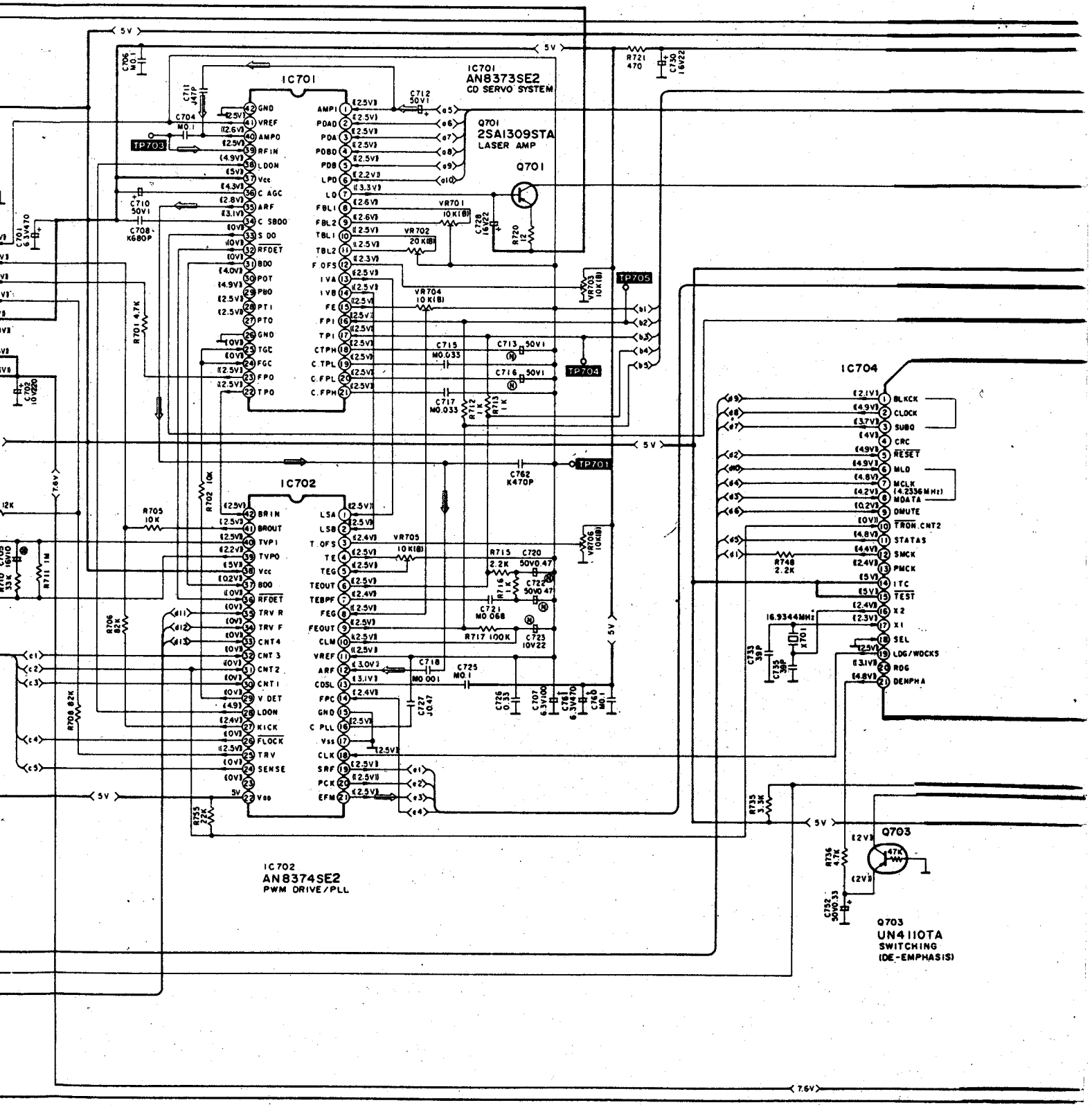


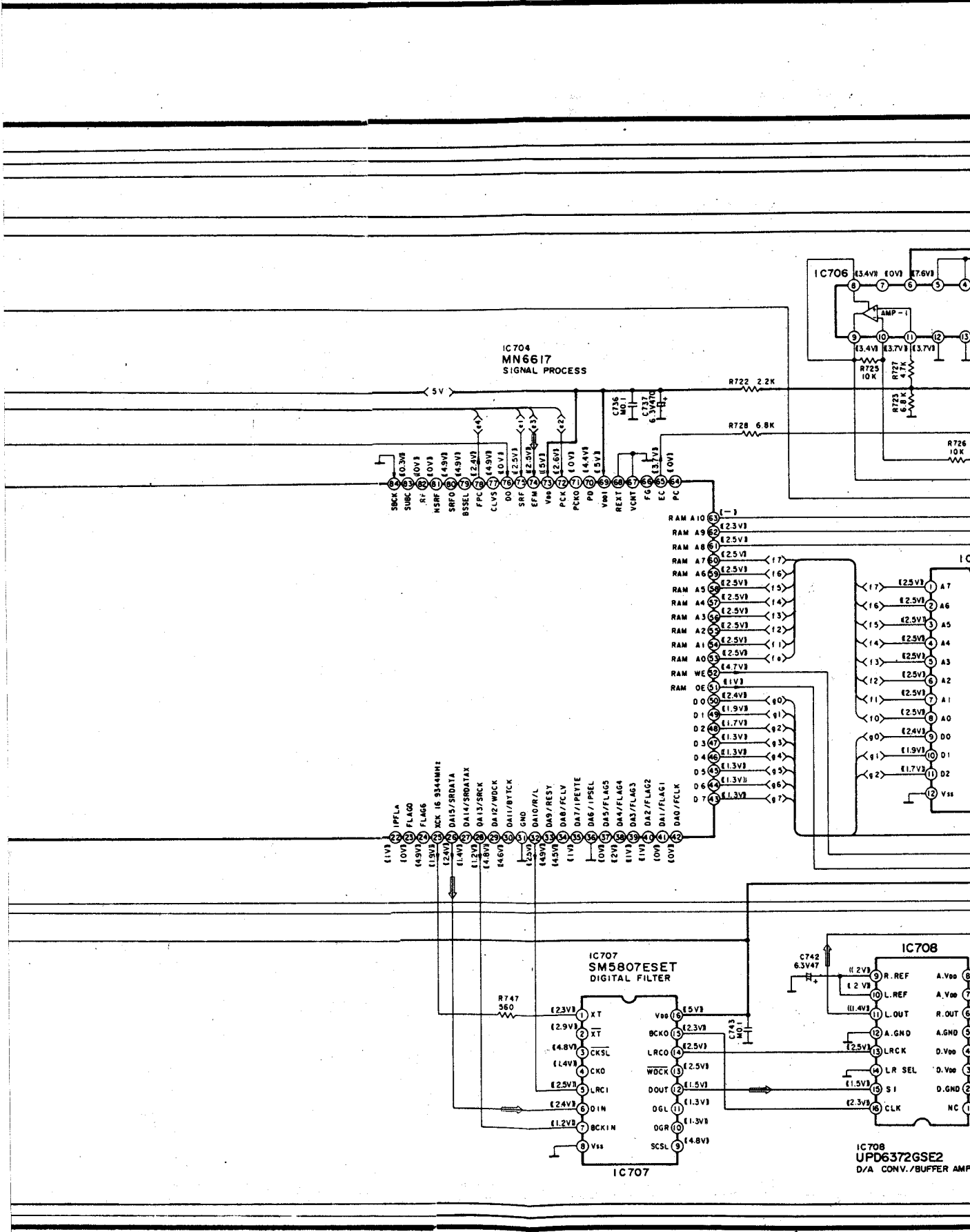
SCHEMATIC DIAGRAM (for CD Circuit Section)

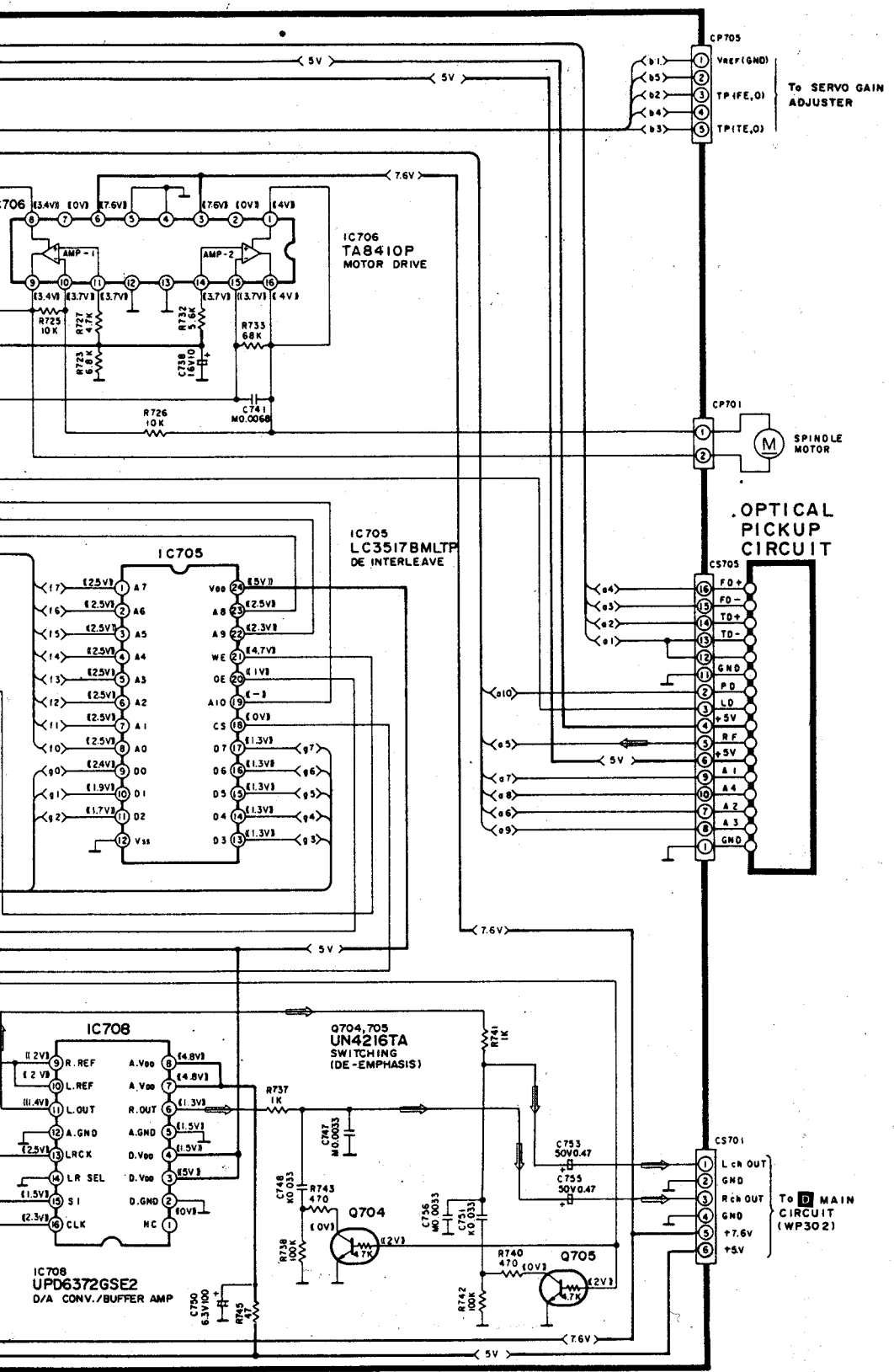
Notes:

1. S701 : Rest switch.
2. VR701 : Best eye adjustment VR.
3. VR702 : Tracking balance adjustment VR.
4. VR703 : Focus offset adjustment VR.
5. VR704 : Focus gain adjustment VR.
6. VR705 : Tracking gain adjustment VR.
7. VR706 : Tracking offset adjustment VR.
8. DC voltage measurements are taken with electronics voltmeter from negative terminal of battery.
 (()): CD
 < > : Voltage lines
 : CD signal
9. The mark (■) shows test point. e.g. TP1 = test point 1.
 • This schematic diagram may be modified at any time with the development of new technology.









SCHEMATIC DIAGRAM (for Main, G. EQ, Mechanism and Power Supply Circuit Section)

Notes:

1. S1-1~ : Band selector switch in "FM" position.
S1-6 (F...FM, L...LW, M...MW)
2. S2 : FM mode/Beat proof switch in "STEREO/III" position.
(M/I...MONO/II, S/II...STEREO/III, S/III...STEREO/IIII)
3. S3 : AC/DC select switch in "AC" position.
4. S301-1~ : Function selector switch in "TAPE" position.
S301-4 (A...AUX, CD...CD, R...TUNER, T...TAPE)
5. S612 : Fast/TPS switch. (◀◀ [TPS])
6. S613 : Reverse playback switch. (◀)
7. S614 : Forward playback switch. (▶)
8. S615 : Stop switch.
9. S616 : Fast/TPS switch. (▶▶ [TPS])
10. S617 : Rec. pause switch.
11. S618 : Reverse mode selector switch in "()" position.
() ...Auto-continuous, () ...Auto-reverse, () ...Non-reverse)
12. S620 : XBS switch in "OFF" position.
13. S971 : Mode switch in "OFF" position.
14. S972 : Cassette half detection switch in "OFF" position.
15. S973 : Rev. Rec Inhibit switch in "OFF" position.
16. S974 : For. Rec Inhibit switch in "OFF" position.
17. S975 : ATS (CrO₂) switch in "OFF" position.
18. VR1 : FM MPX VCO adjustment VR.
19. VR301 : Rec bias voltage adjustment VR.
20. VR601 : Balance control VR.
21. VR602 : Graphic E.Q. (100Hz)/XBS level control VR.
22. VR603 : Graphic E.Q. (330Hz) control VR.
23. VR604 : Graphic E.Q. (1kHz) control VR.
24. VR605 : Graphic E.Q. (3.3kHz) control VR.
25. VR606 : Graphic E.Q. (10kHz) control VR.
26. VR607 : Volume control VR.

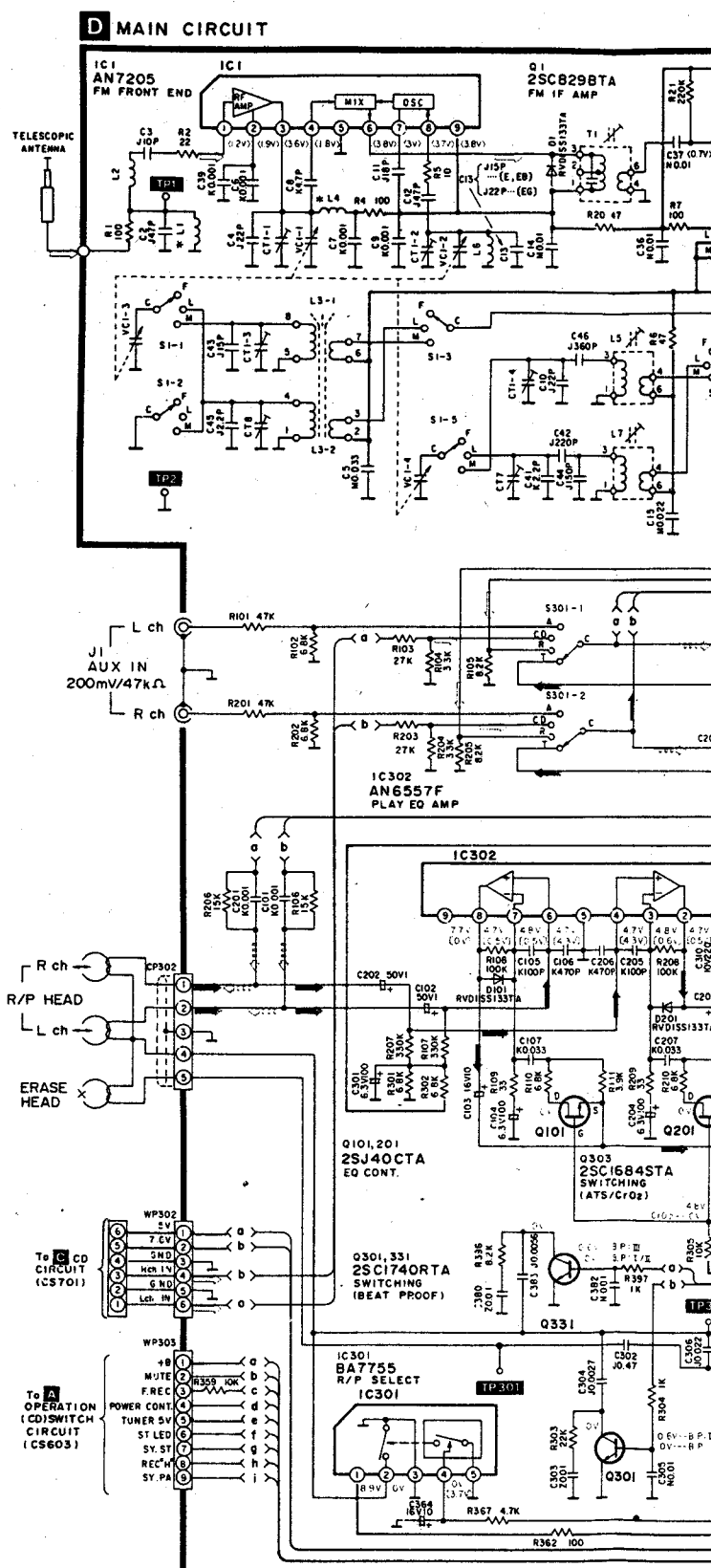
27. DC voltage measurements are taken with electronics voltmeter from negative terminal of battery.
No mark: Playback, < >: FM, (): AM,
[]: Recording, (()): CD

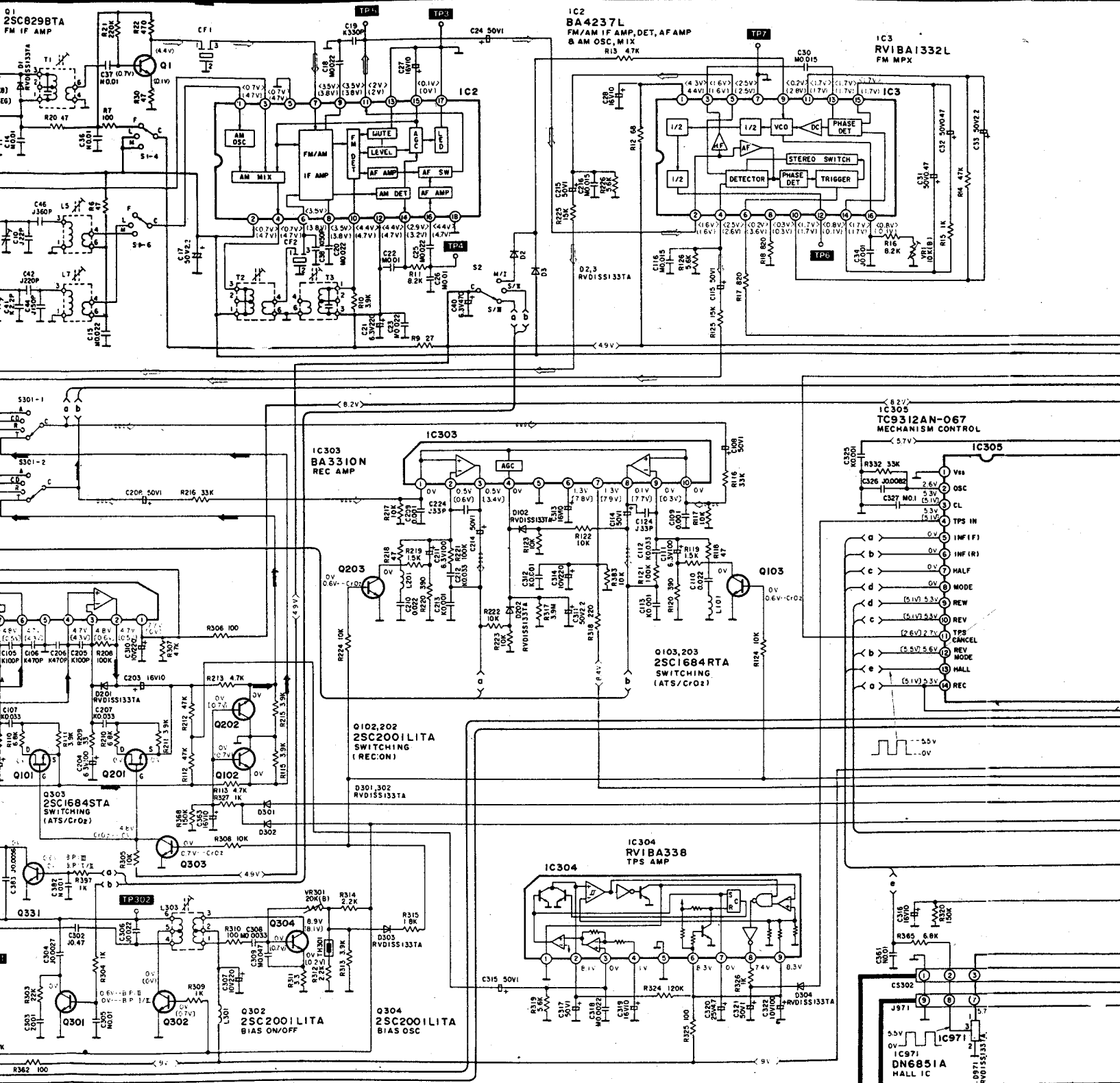
- : FM signal
- : Playback signal
- : CD signal
- : Recording signal
- : Main signal
- < > : Voltage lines

28. Battery current: No signal (Radio) 330 mA (VR MIN)
Maximum output (VR MAX)
Radio..... 1120 mA
Tape (PLAY) 1530 mA
CD Play..... 1850 mA

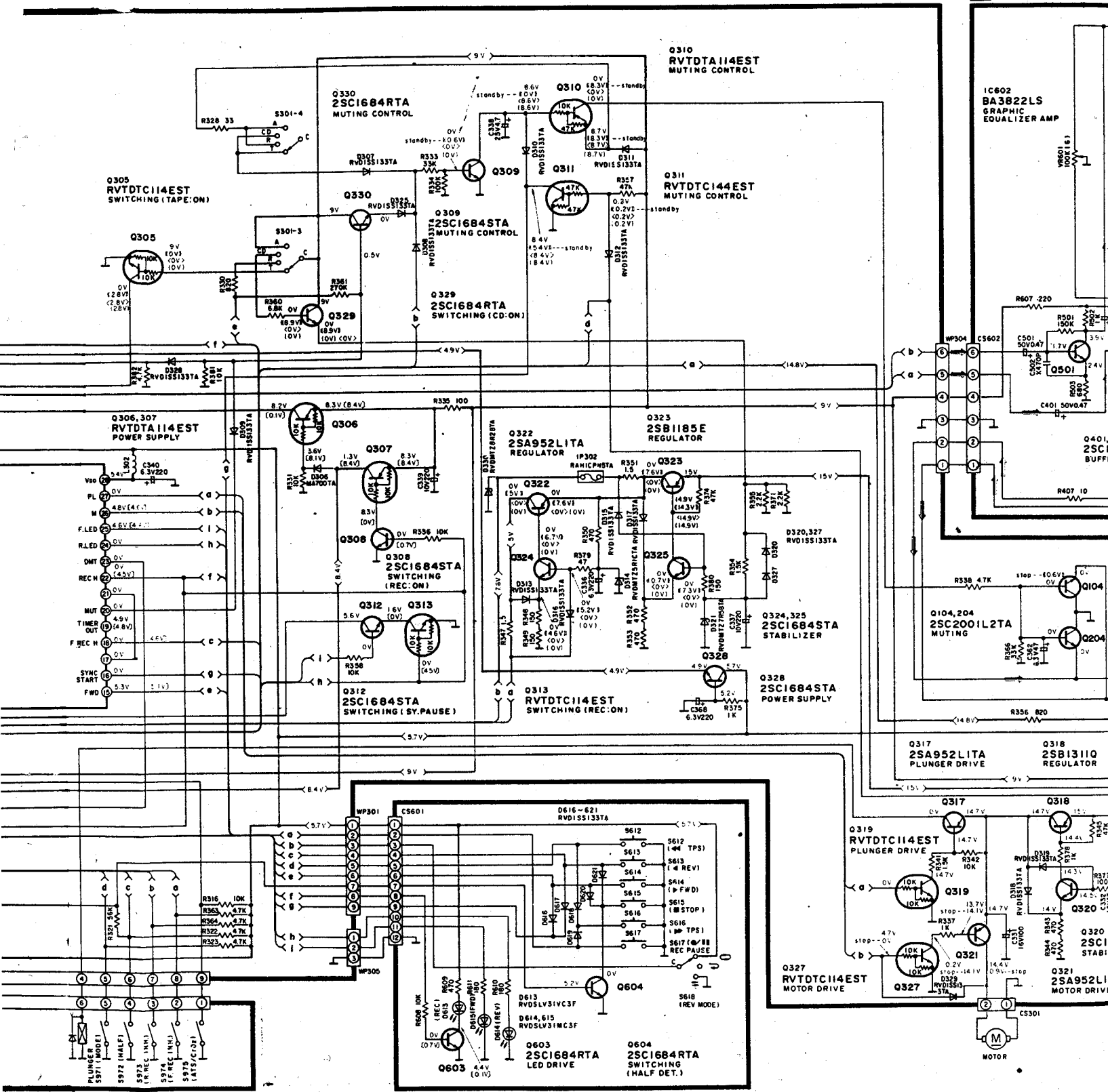
Measurement instruction
(Radio: FM 60dB, 30% Mod.)
(Tape: 315Hz, 0dB)

29. The mark (■) shows test point. e.g. TP1 = test point 1.
30. Important safety notice.
Components identified by Δ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.
- This schematic diagram may be modified at any time with the development of new technology.





MECHANISM

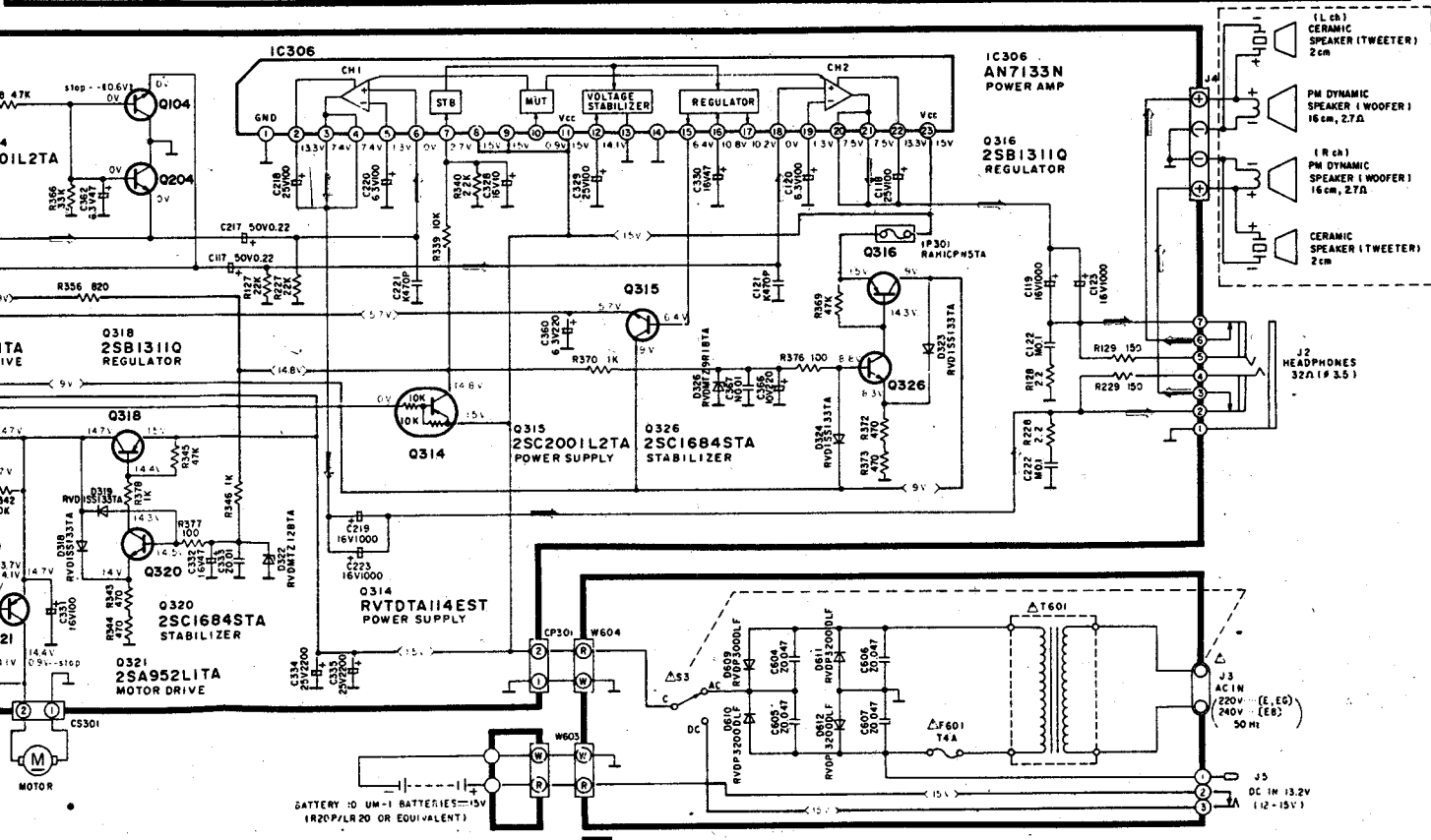
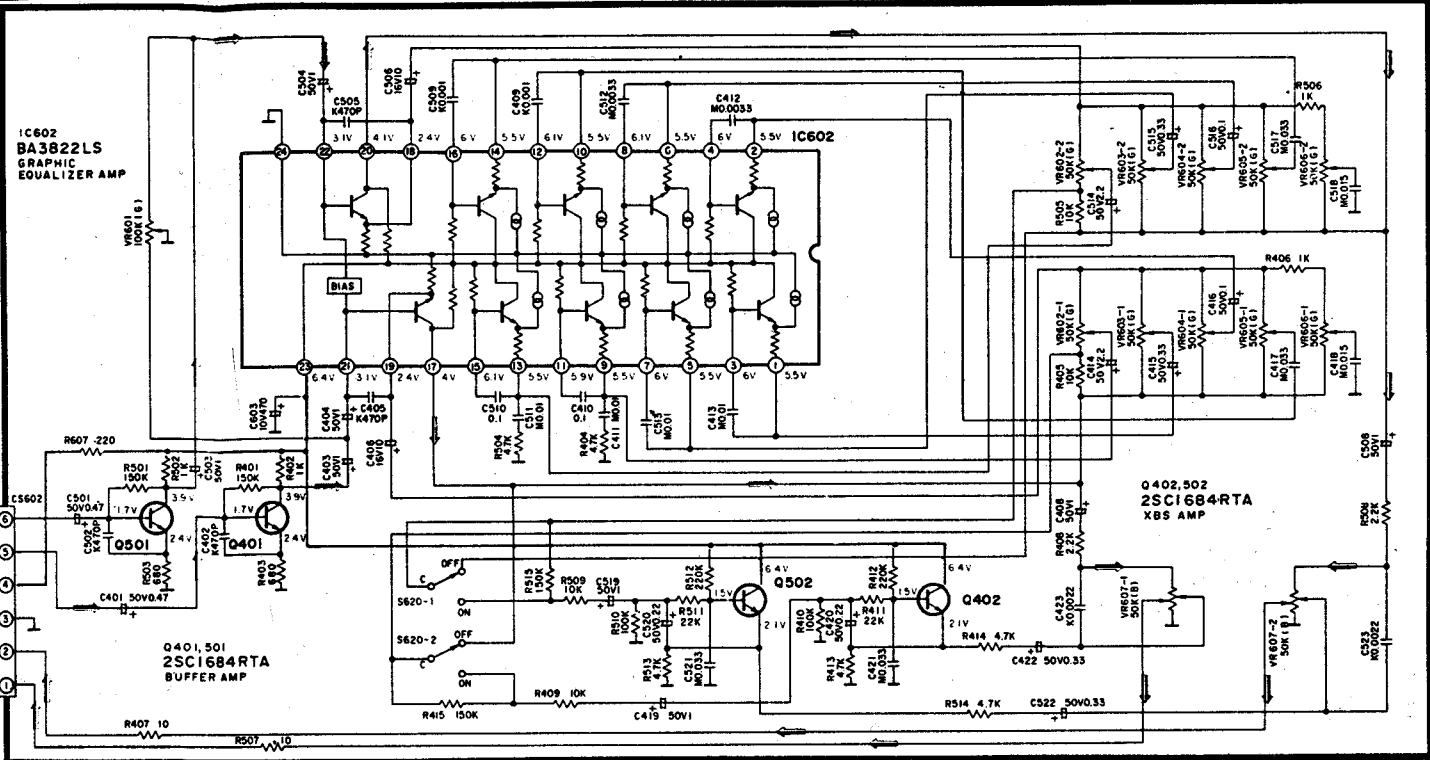


CIRCUIT

F DECK CONTROL SWITCH CIRCUIT

E GRAPHIC EQUALIZER

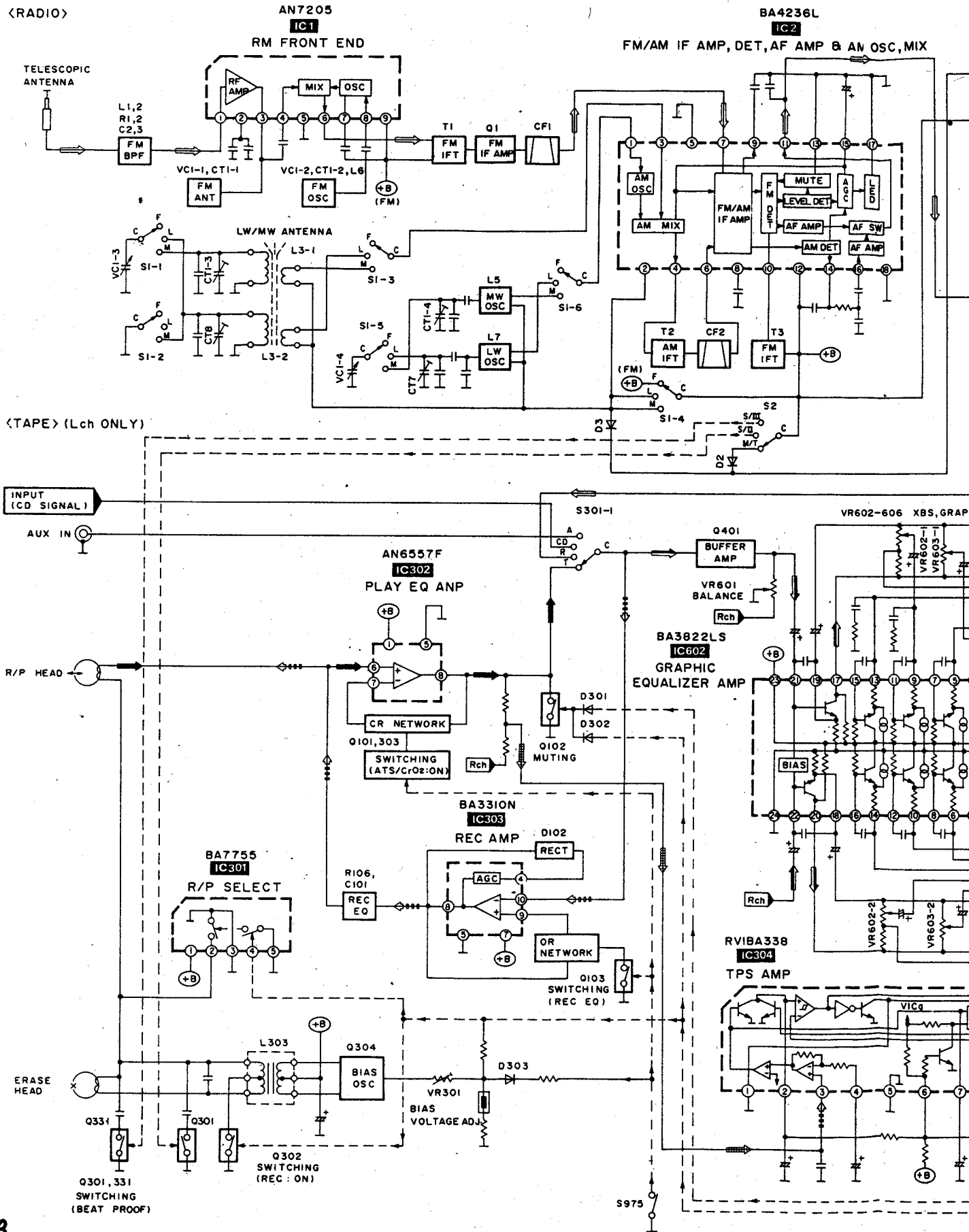
E GRAPHIC EQUALIZER AMP CIRCUIT

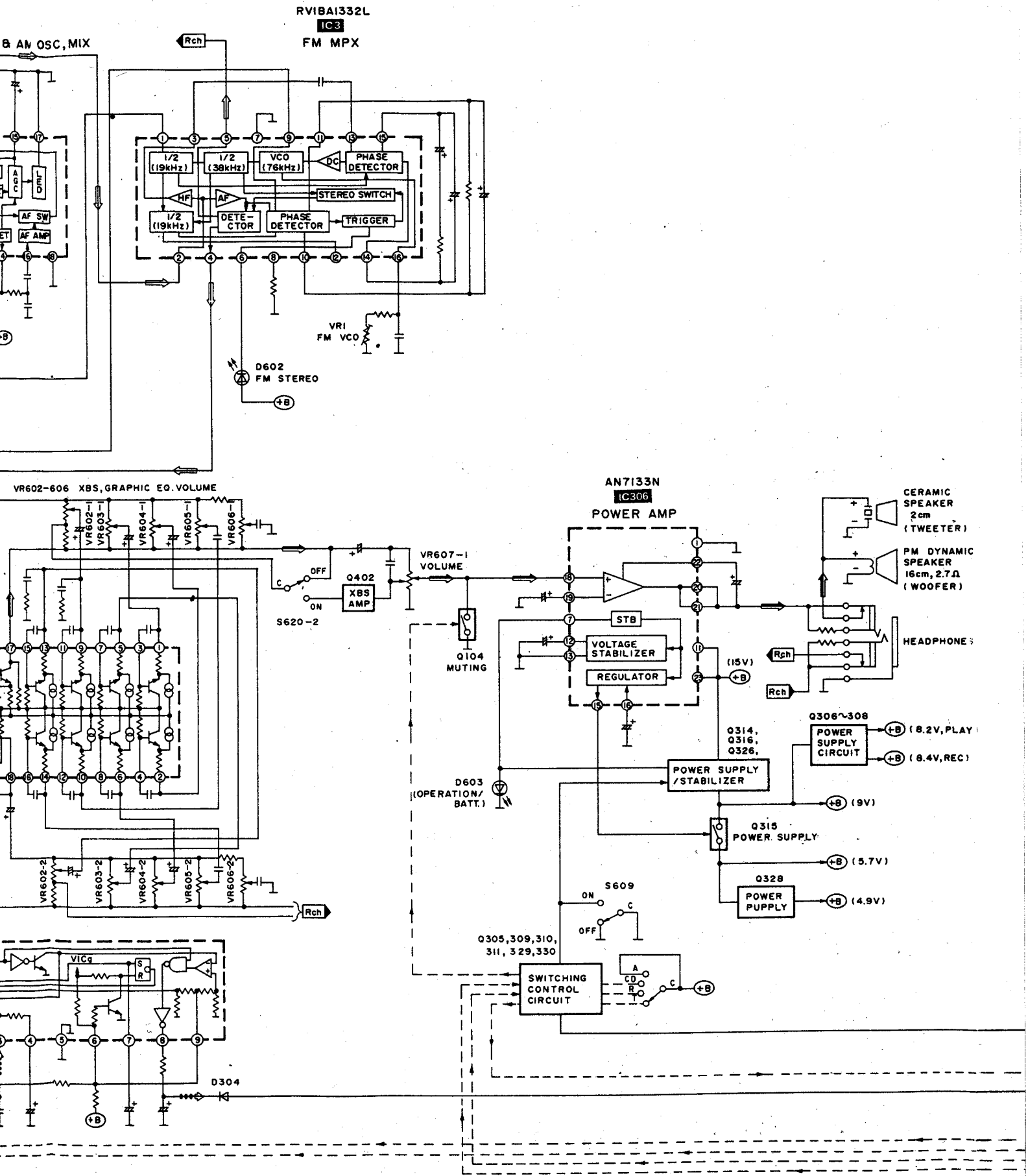


G POWER SUPPLY CIRCUIT

64.

BLOCK DIAGRAM (for Tuner, Main and Mechanism Section)





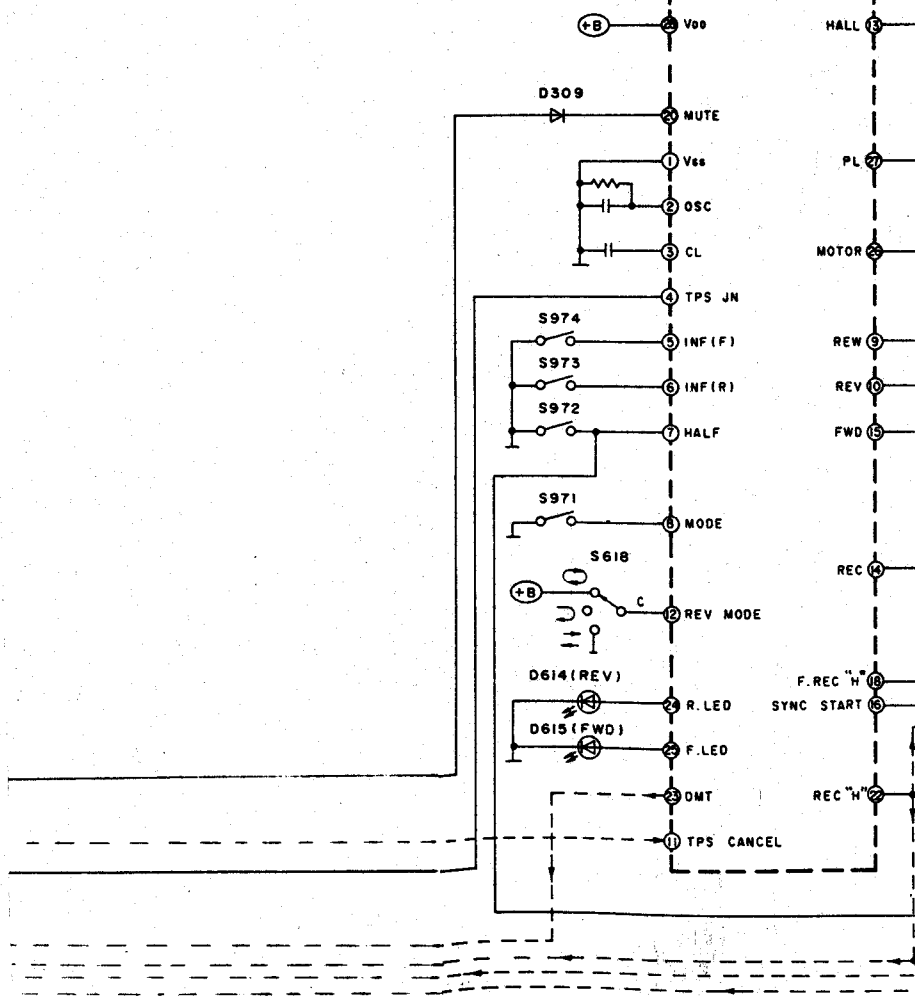
(15V) (+B)

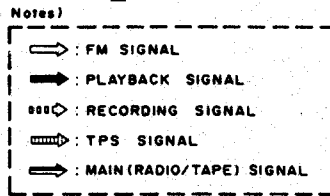
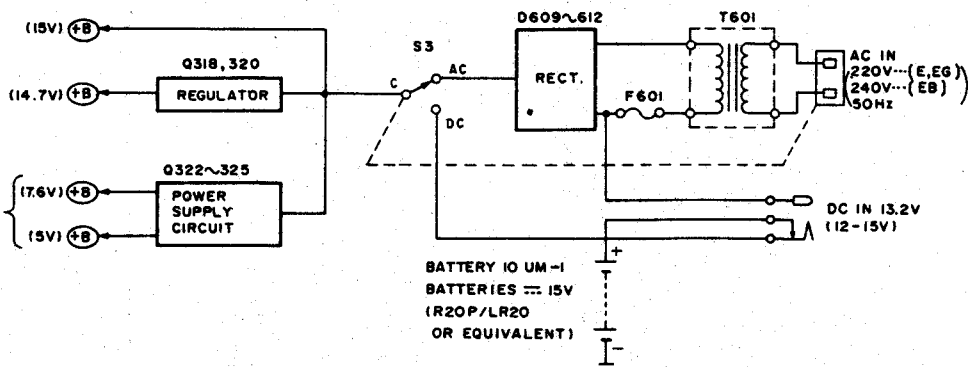
(14.7V) (+B)

TO CD CIRCUIT { (17.6V) (+B)
(15V) (+B)

TC9312AN-067
IC305

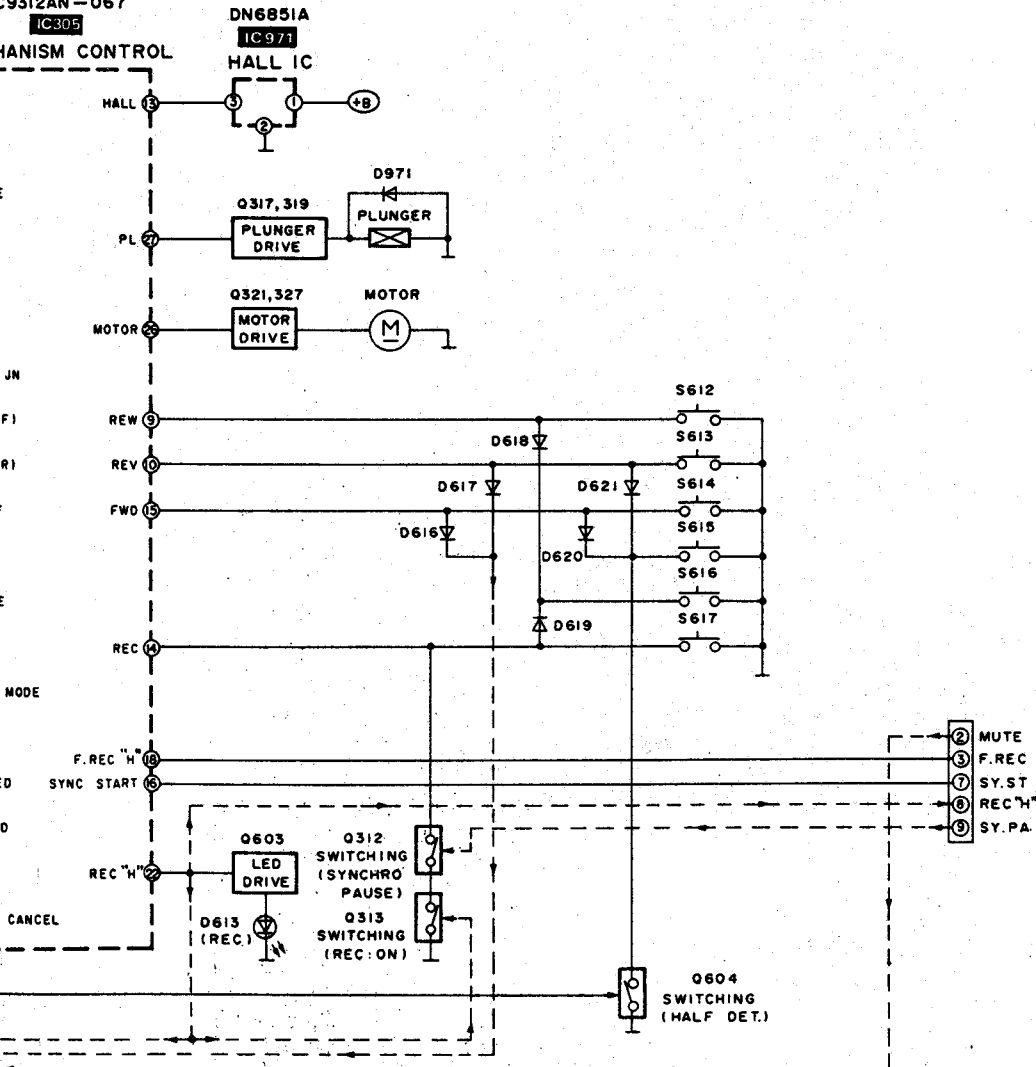
MECHANISM CONTROL



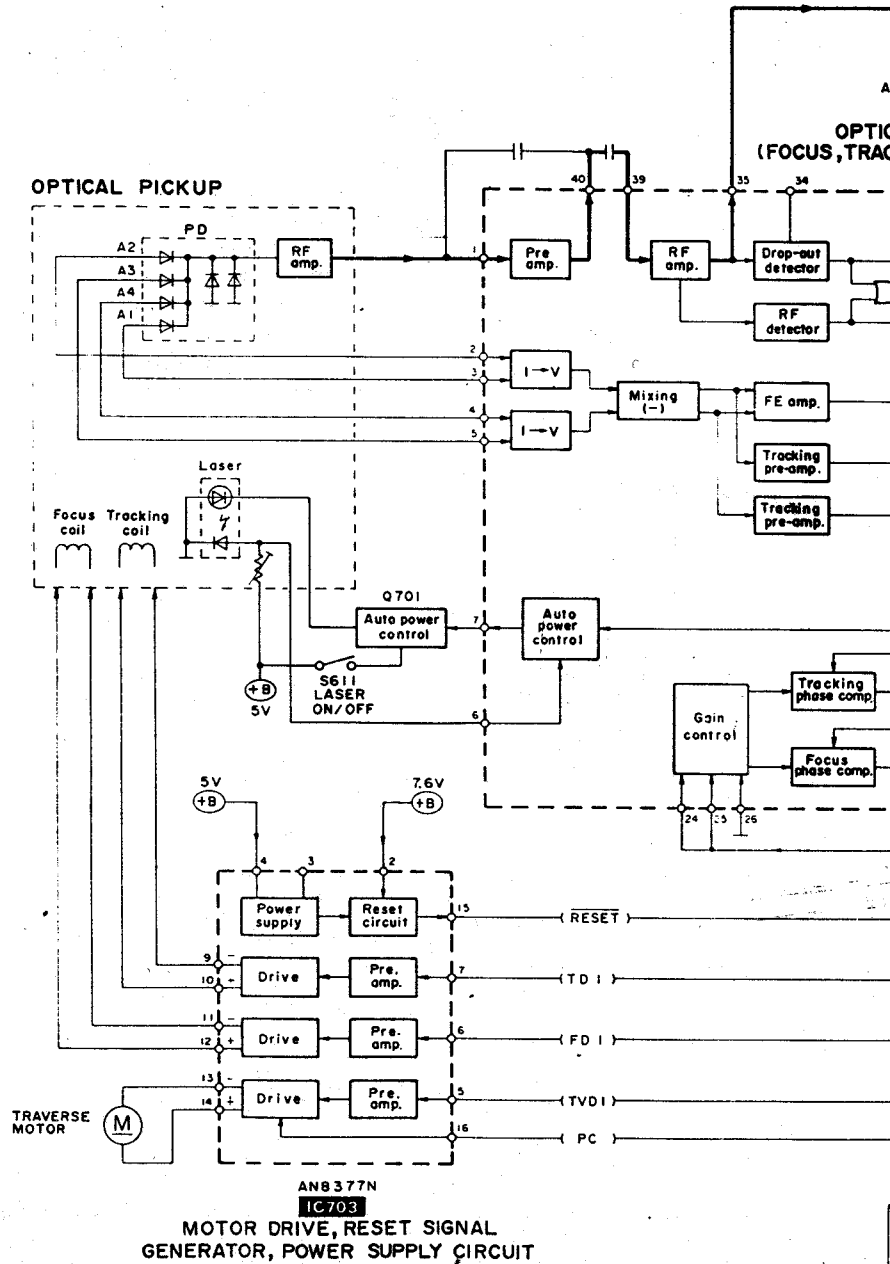


C9312AN-067
IC305

MECHANISM CONTROL

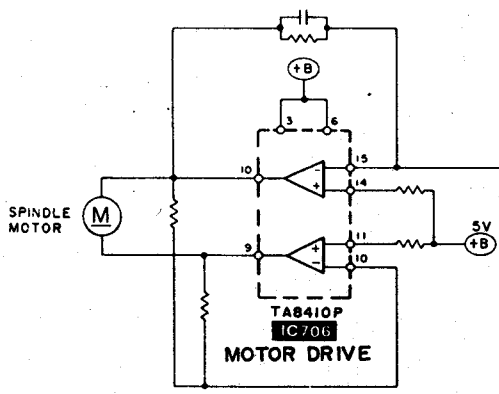
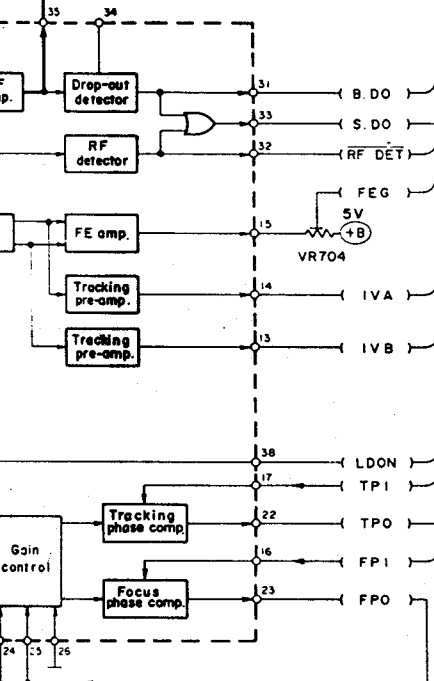


■ BLOCK DIAGRAM (for CD Section)



- TPI
- I VA
- I VB
- LDON
- FPI
- FEG
- RF DET
- B. DO

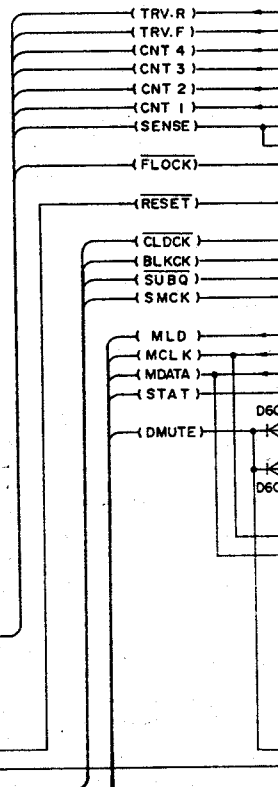
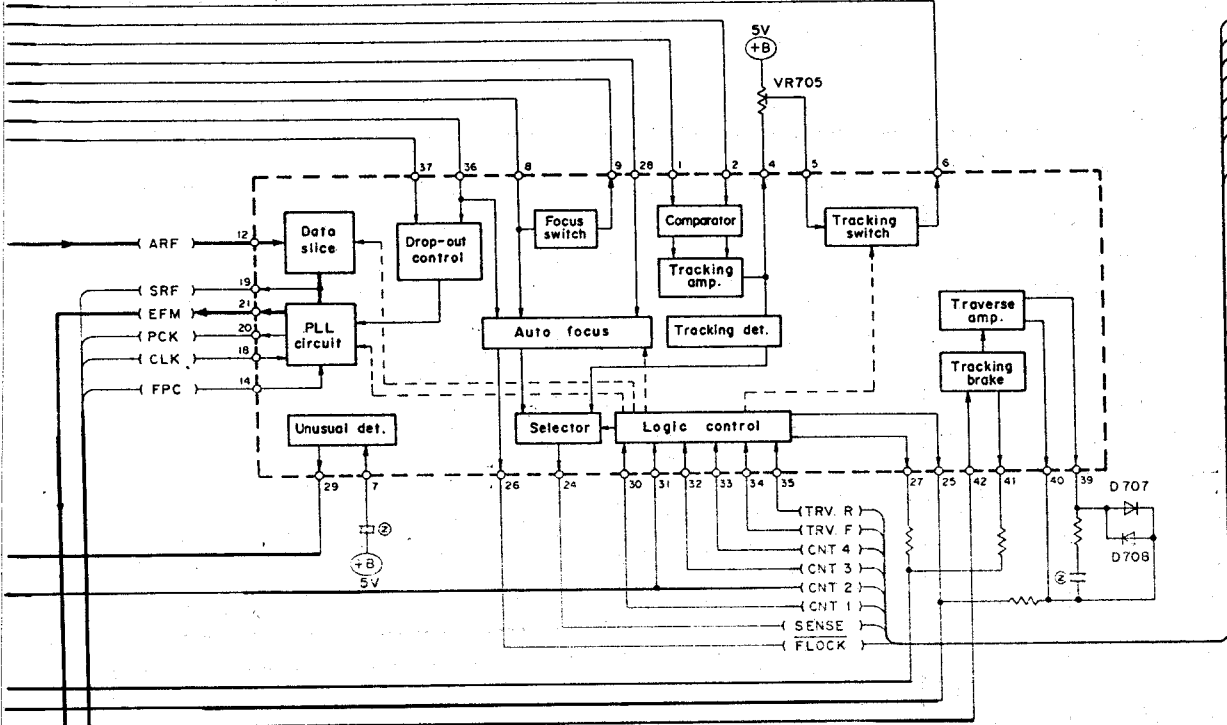
**AN8373SE2
IC701
OPTICAL SERVO
(FOCUS, TRACKING and LASER, APC)**



AN8374SE2

IC702

DATA SLICE, PLL, FOCUS, TRACKING and TRAVERSE SERVO



MN6617 IC704 E.F.M. DECODER, ERROR, CORRECTION and CLV SERVO

