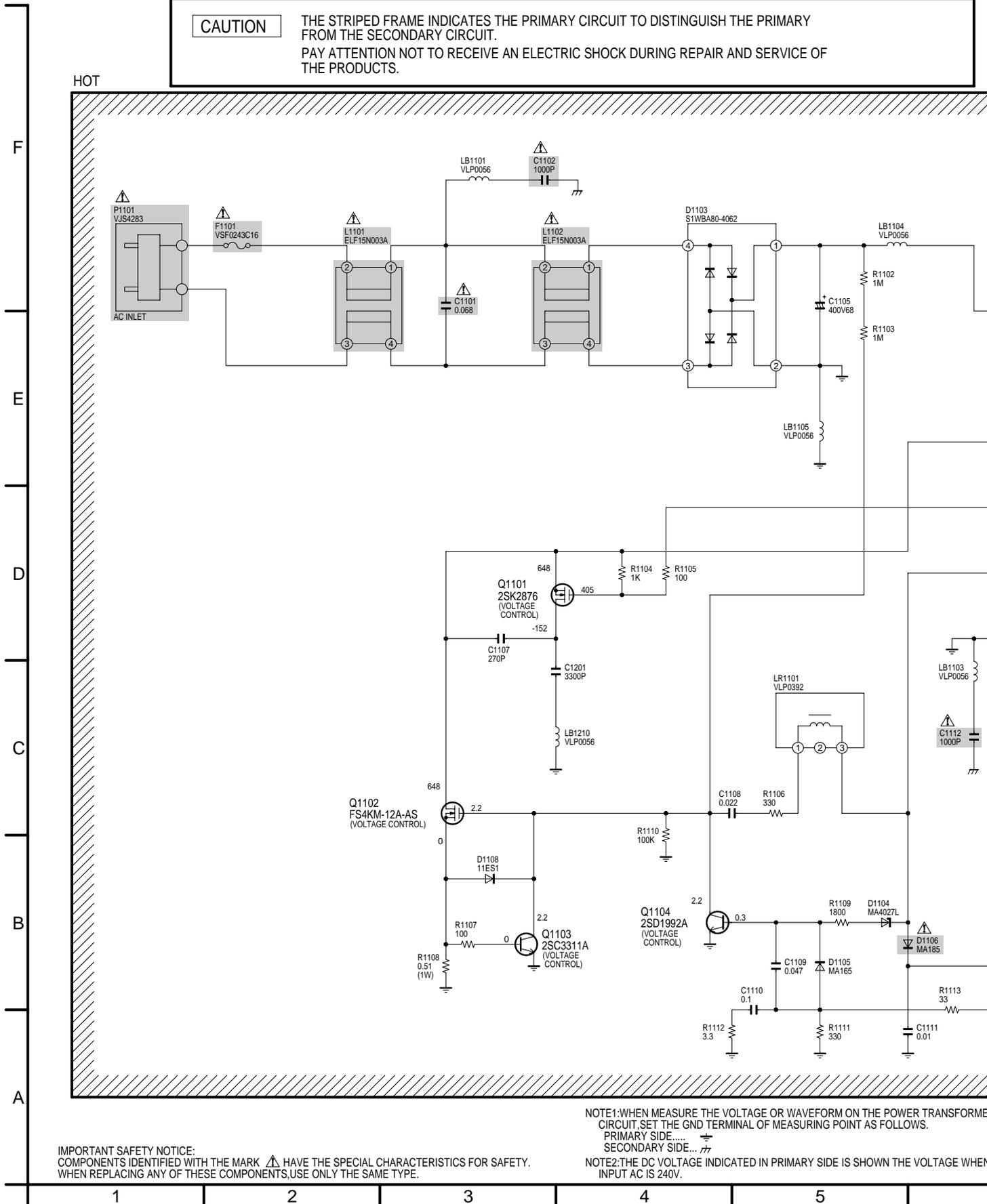


8 SCHEMATIC DIAGRAMS

8.1. POWER TRANSFORMER SECTION IN MAIN SCHEMATIC DIAGRAM

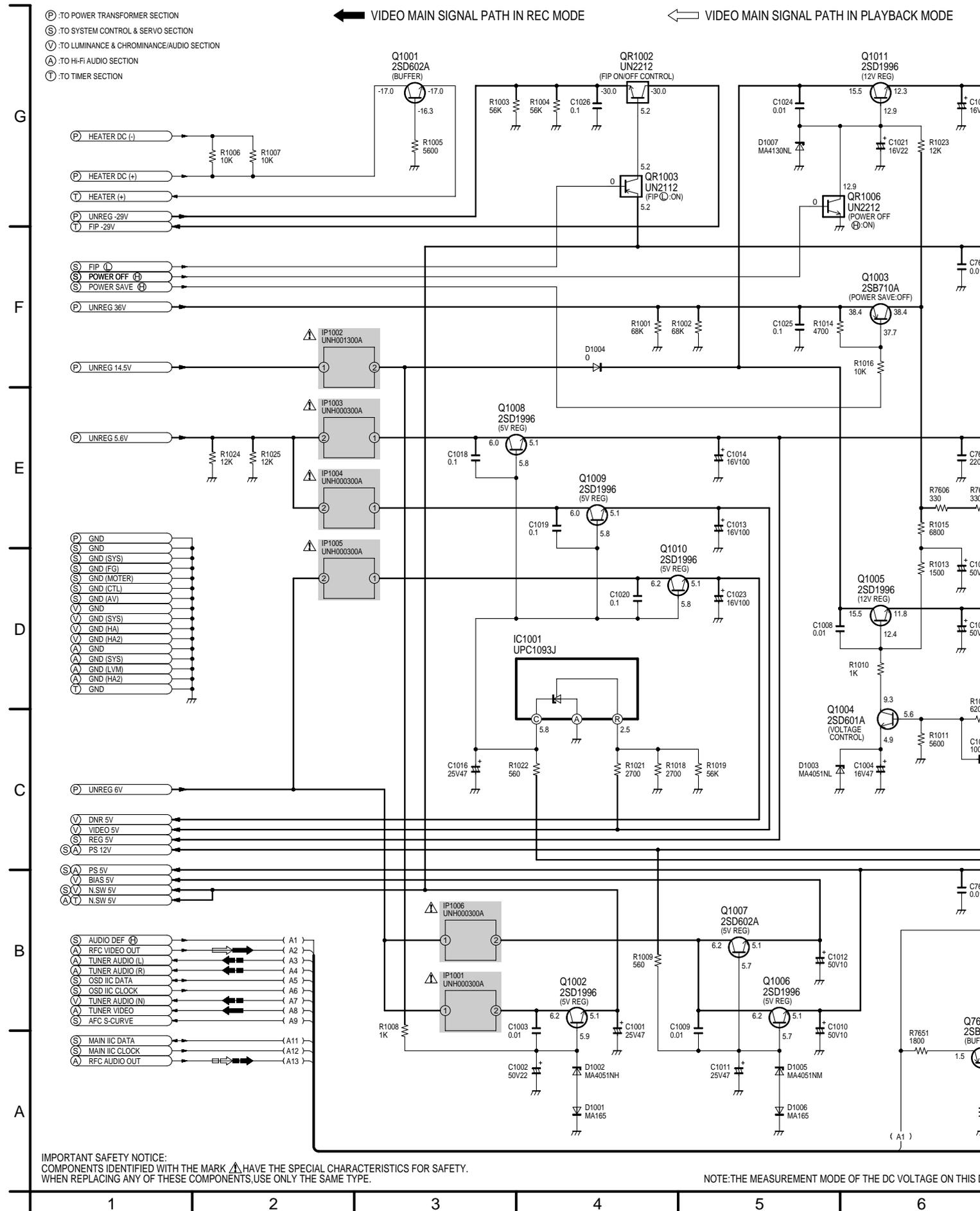
CAUTION THE STRIPED FRAME INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
 PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.



IMPORTANT SAFETY NOTICE:
 COMPONENTS IDENTIFIED WITH THE MARK HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
 WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE1: WHEN MEASURE THE VOLTAGE OR WAVEFORM ON THE POWER TRANSFORMER CIRCUIT, SET THE GND TERMINAL OF MEASURING POINT AS FOLLOWS.
 PRIMARY SIDE.....
 SECONDARY SIDE...
NOTE2: THE DC VOLTAGE INDICATED IN PRIMARY SIDE IS SHOWN THE VOLTAGE WHEN INPUT AC IS 240V.

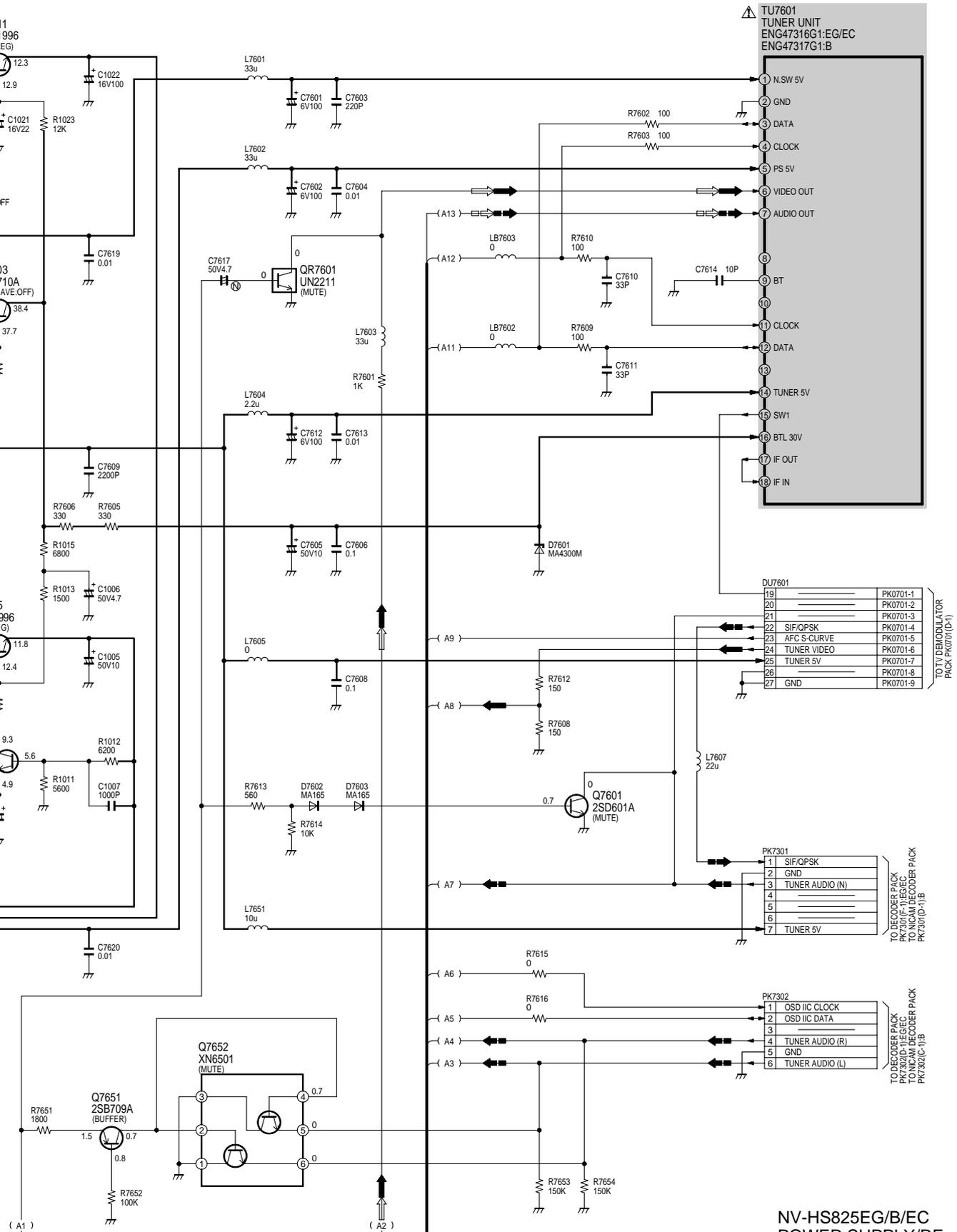
8.2. POWER SUPPLY/ RF SECTION IN MAIN SCHEMATIC DIAGRAM



PLAYBACK MODE

← AUDIO MAIN SIGNAL PATH IN REC MODE

⇐ AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE



TU7601
TUNER UNIT
ENG47316G1-EG/EC
ENG47317G1-B

1	N.SW 5V
2	GND
3	DATA
4	CLOCK
5	PS 5V
6	VIDEO OUT
7	AUDIO OUT
8	
9	BT
10	
11	CLOCK
12	DATA
13	
14	TUNER 5V
15	SW1
16	BTL 30V
17	IF OUT
18	IF IN

DU7601

19		PK0701-1
20		PK0701-2
21		PK0701-3
22	SIF/OPSK	PK0701-4
23	AFC S-CURVE	PK0701-5
24	TUNER VIDEO	PK0701-6
25	TUNER 5V	PK0701-7
26		PK0701-8
27	GND	PK0701-9

TO TV DEMODULATOR PACK (PK0701(D)-1)

PK7301

1	SIF/OPSK
2	GND
3	TUNER AUDIO (N)
4	
5	
6	
7	TUNER 5V

TO DECODER PACK PK7301(I)-1/EG/EC
TO DECODER PACK PK7301(D)-1/B

PK7302

1	OSD IIC CLOCK
2	OSD IIC DATA
3	
4	TUNER AUDIO (R)
5	GND
6	TUNER AUDIO (L)

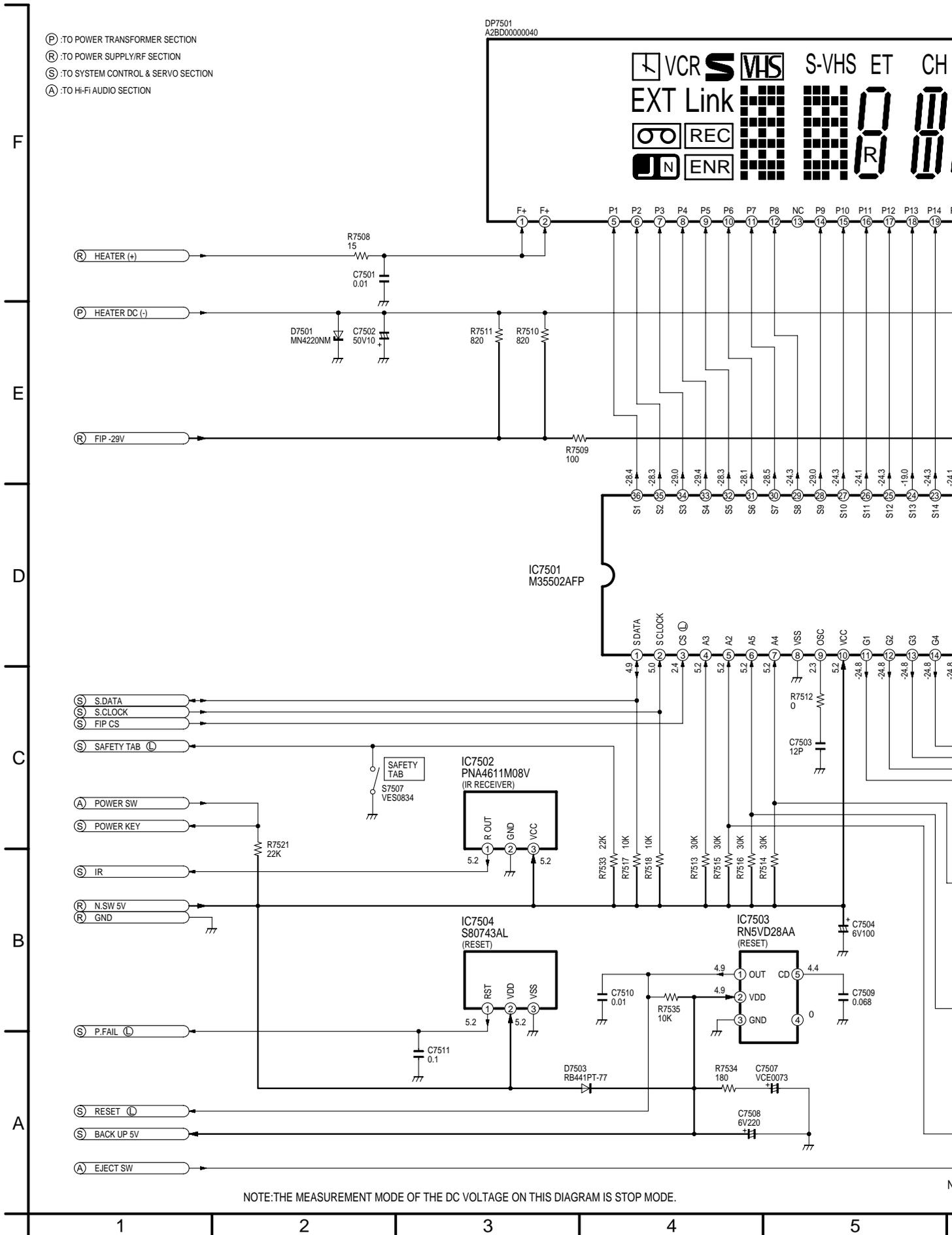
TO DECODER PACK PK7302(I)-1/EG/EC
TO DECODER PACK PK7302(C)-1/B

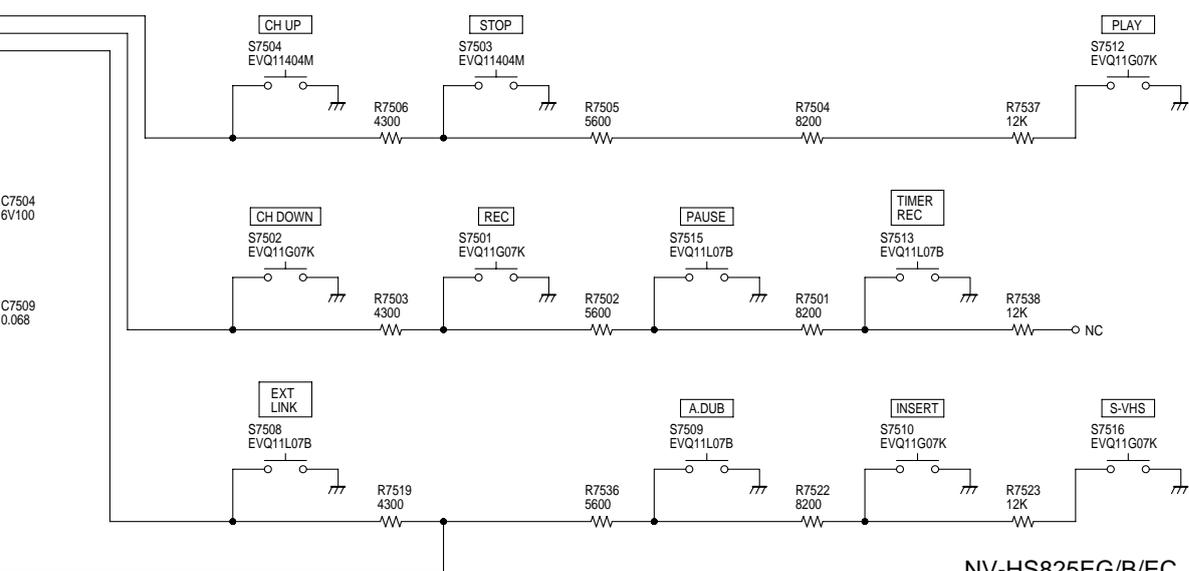
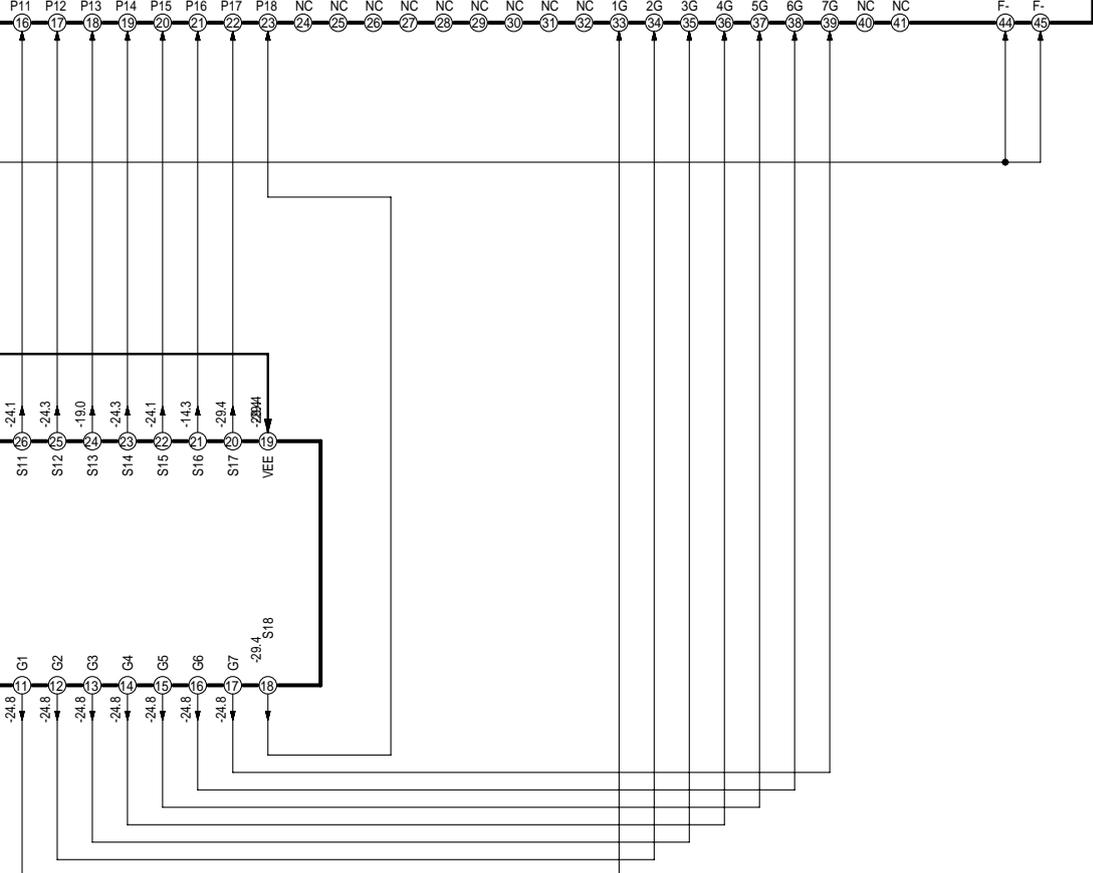
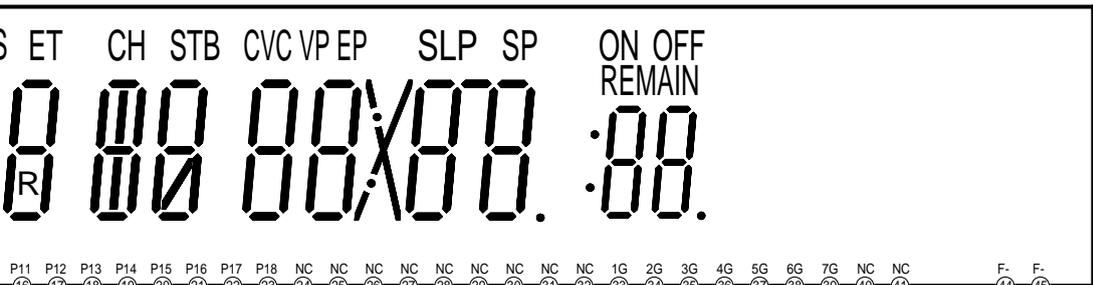
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NV-HS825EG/B/EC
POWER SUPPLY/RF
SECTION IN MAIN
SCHEMATIC DIAGRAM

DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

8.3. TIMER SECTION IN MAIN SCHEMATIC DIAGRAM



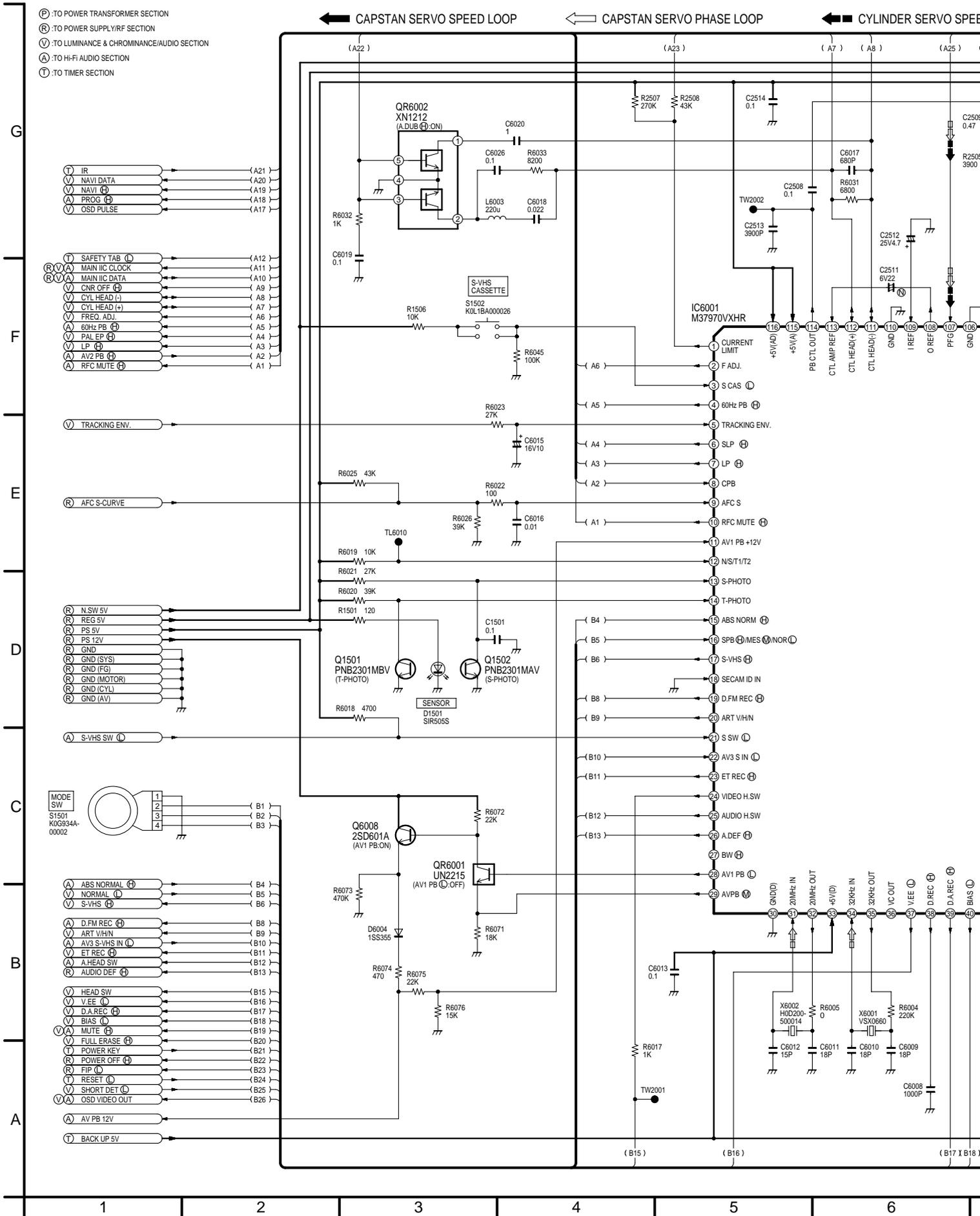


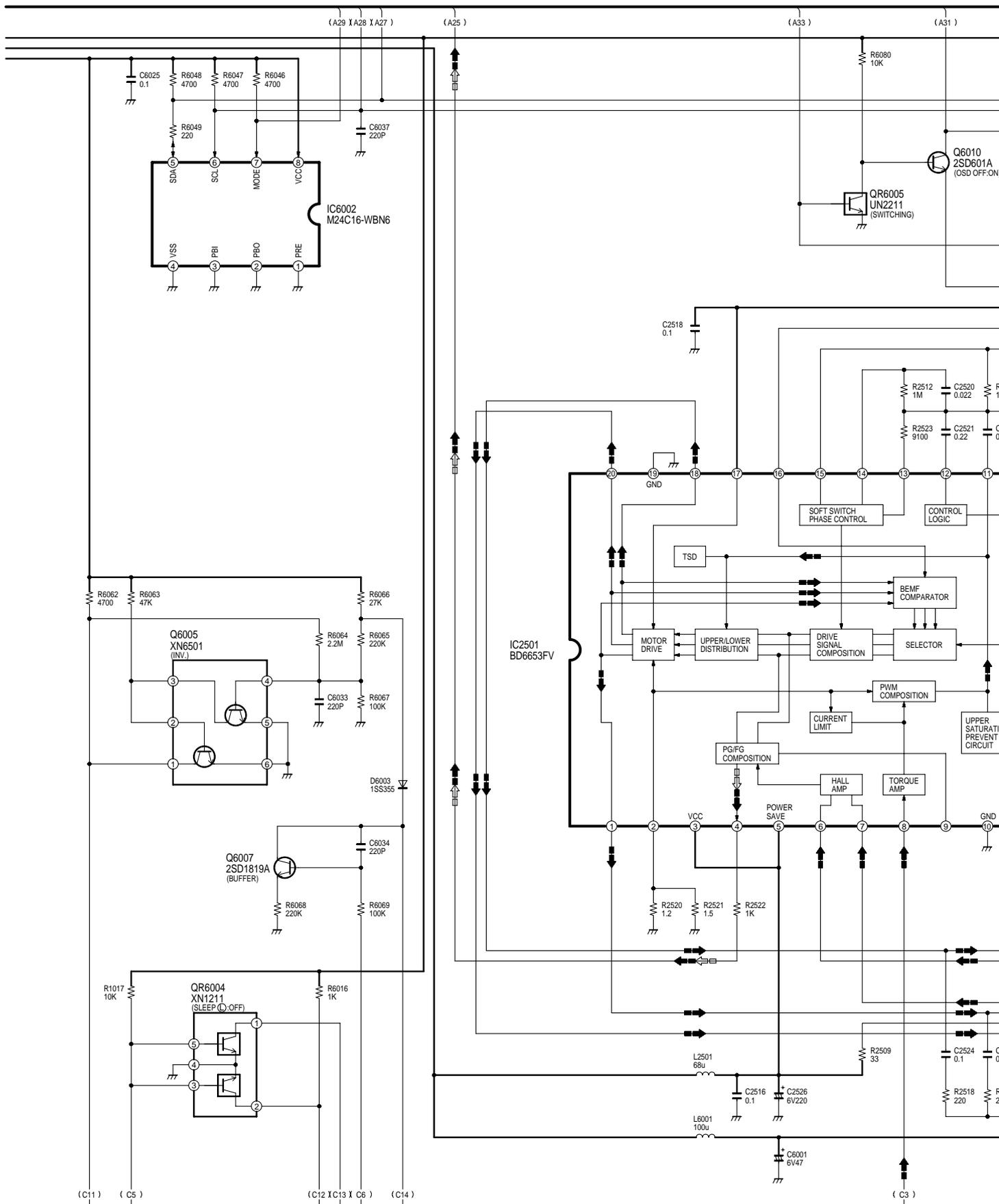
NOTE:DO NOT USE PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

NV-HS825EG/B/EC
 TIMER SECTION IN MAIN
 SCHEMATIC DIAGRAM



8.4. SYSTEM CONTROL & SERVO SECTION IN MAIN SCHEMATIC DIAGRAM





NV-HS825EG/B/EC SYSTEM CONTROL & SERVO SECTION IN MAIN SCHEMATIC DIAGRAM

12

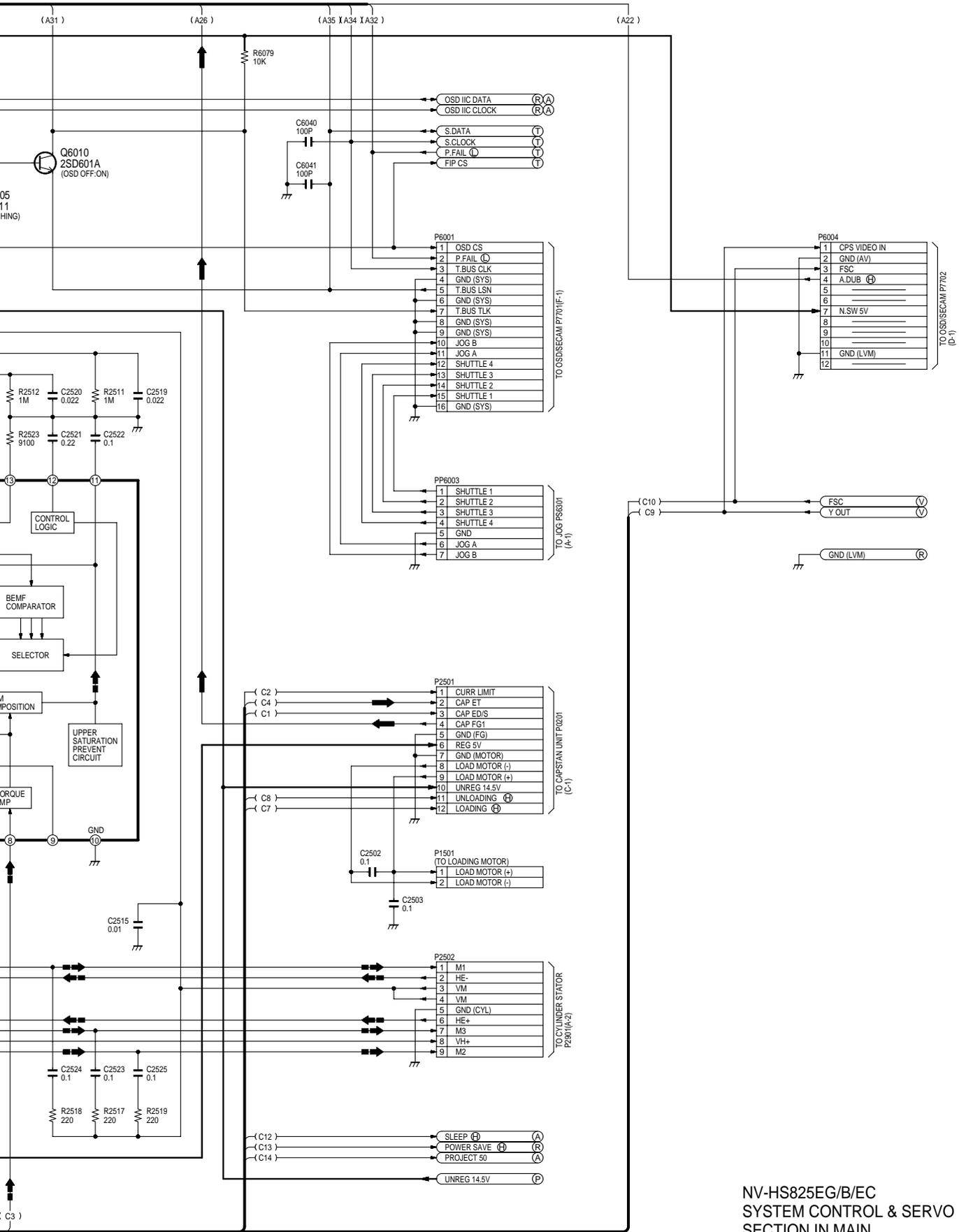
13

14

15

16

17



NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NV-HS825EG/B/EC
SYSTEM CONTROL & SERVO
SECTION IN MAIN
SCHEMATIC DIAGRAM

18

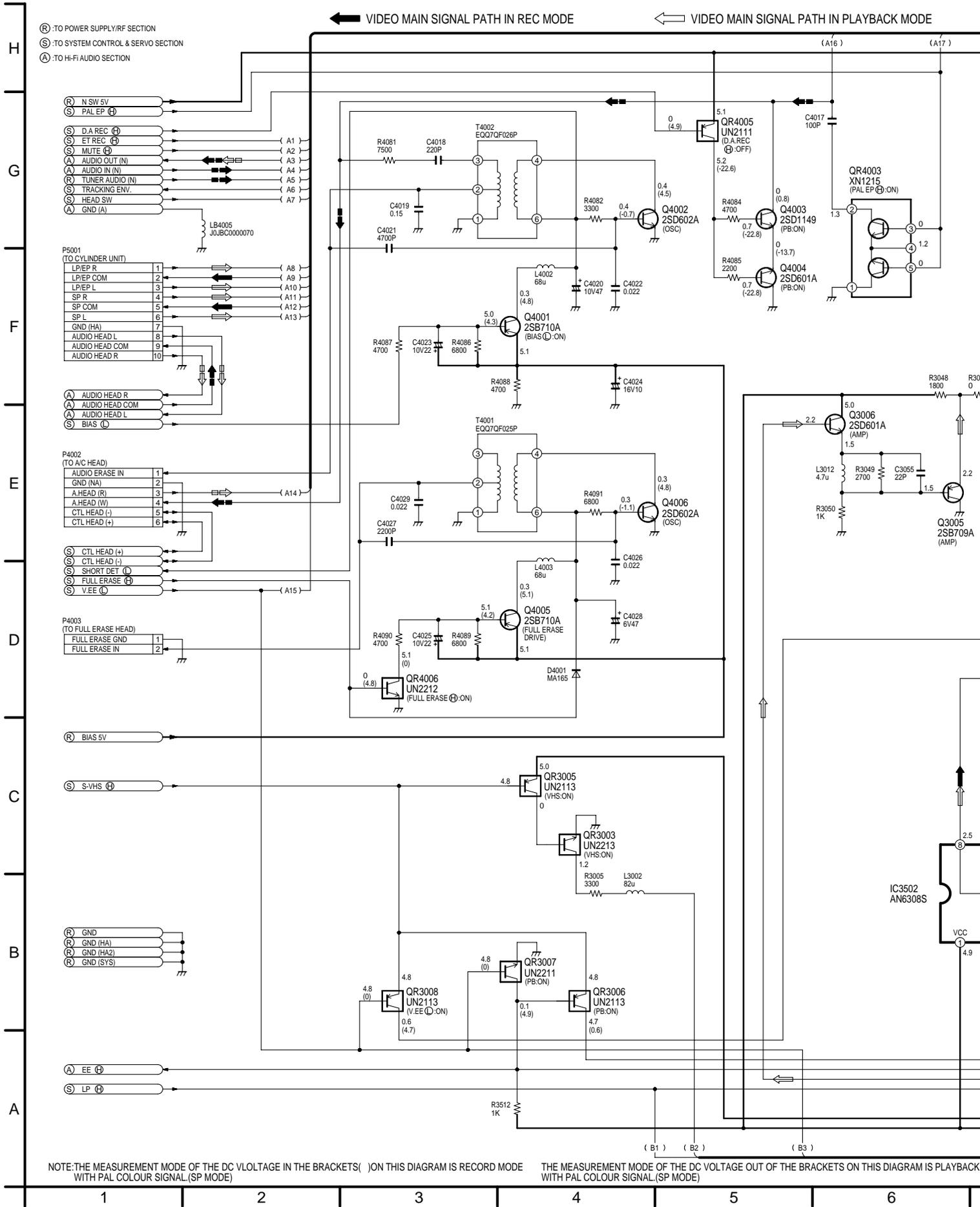
19

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21

22

8.5. LUMINANCE & CHROMINANCE/ AUDIO SECTION IN MAIN SCHEMATIC DIAGR.



C DIAGRAM

REC MODE

← AUDIO MAIN SIGNAL PATH IN REC MODE

⇐ AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

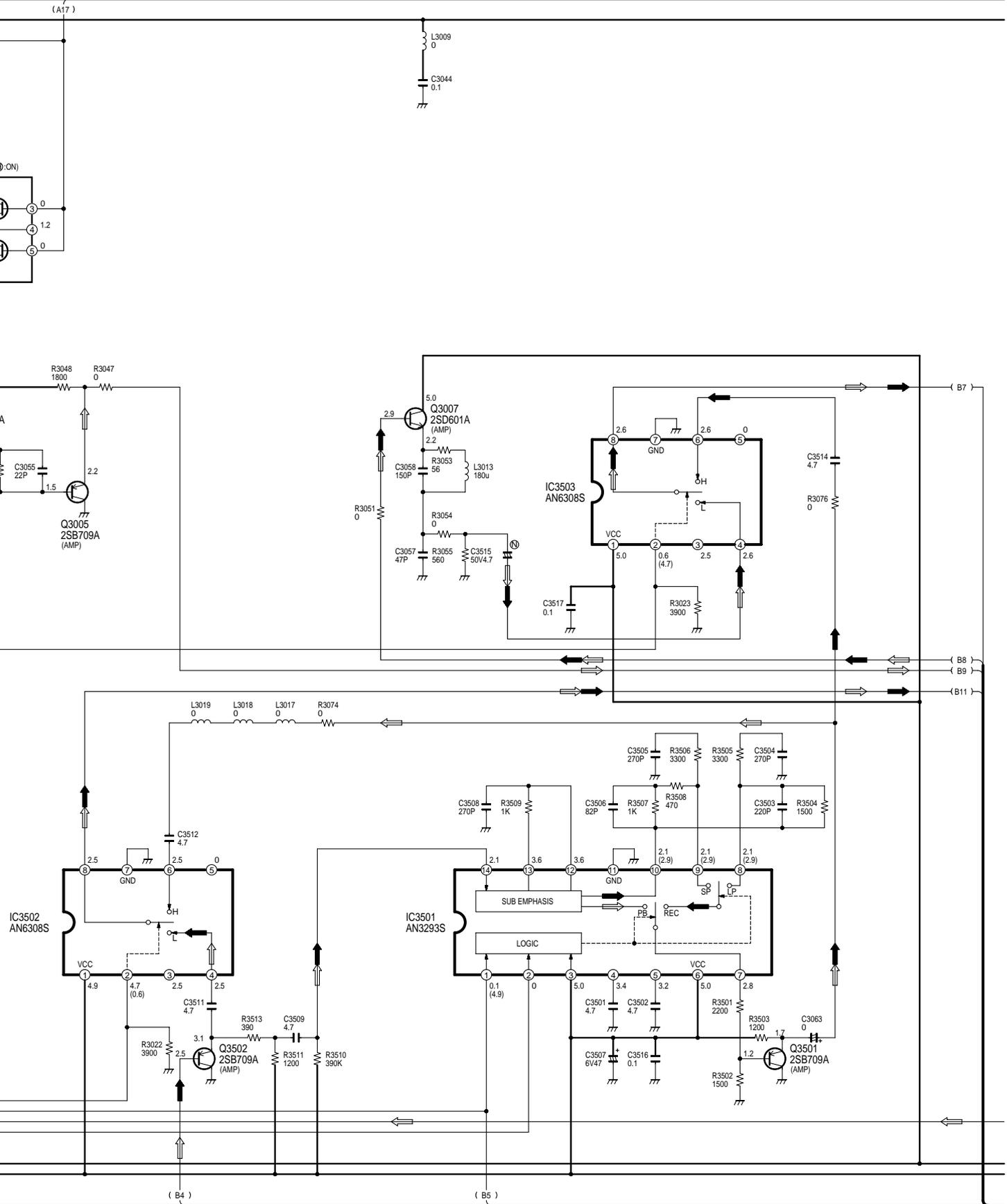
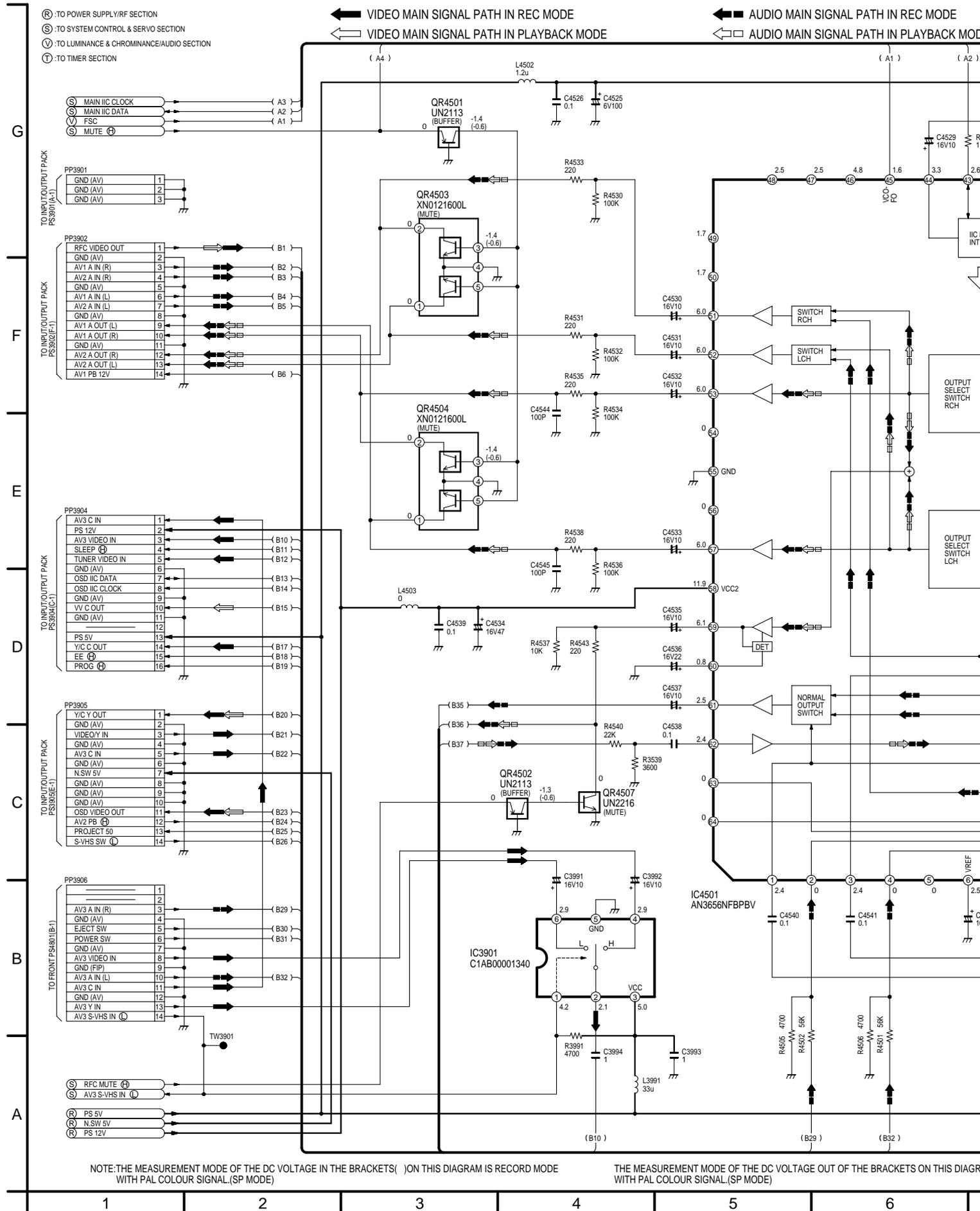


DIAGRAM IS PLAYBACK MODE

NV-HS825EG/B/EC LUMINANCE & CHROMINANCE/AUDIO SECTION IN MAIN SCHEMATIC DIAGRAM

6 | 7 | 8 | 9 | 10 | 11 | 12

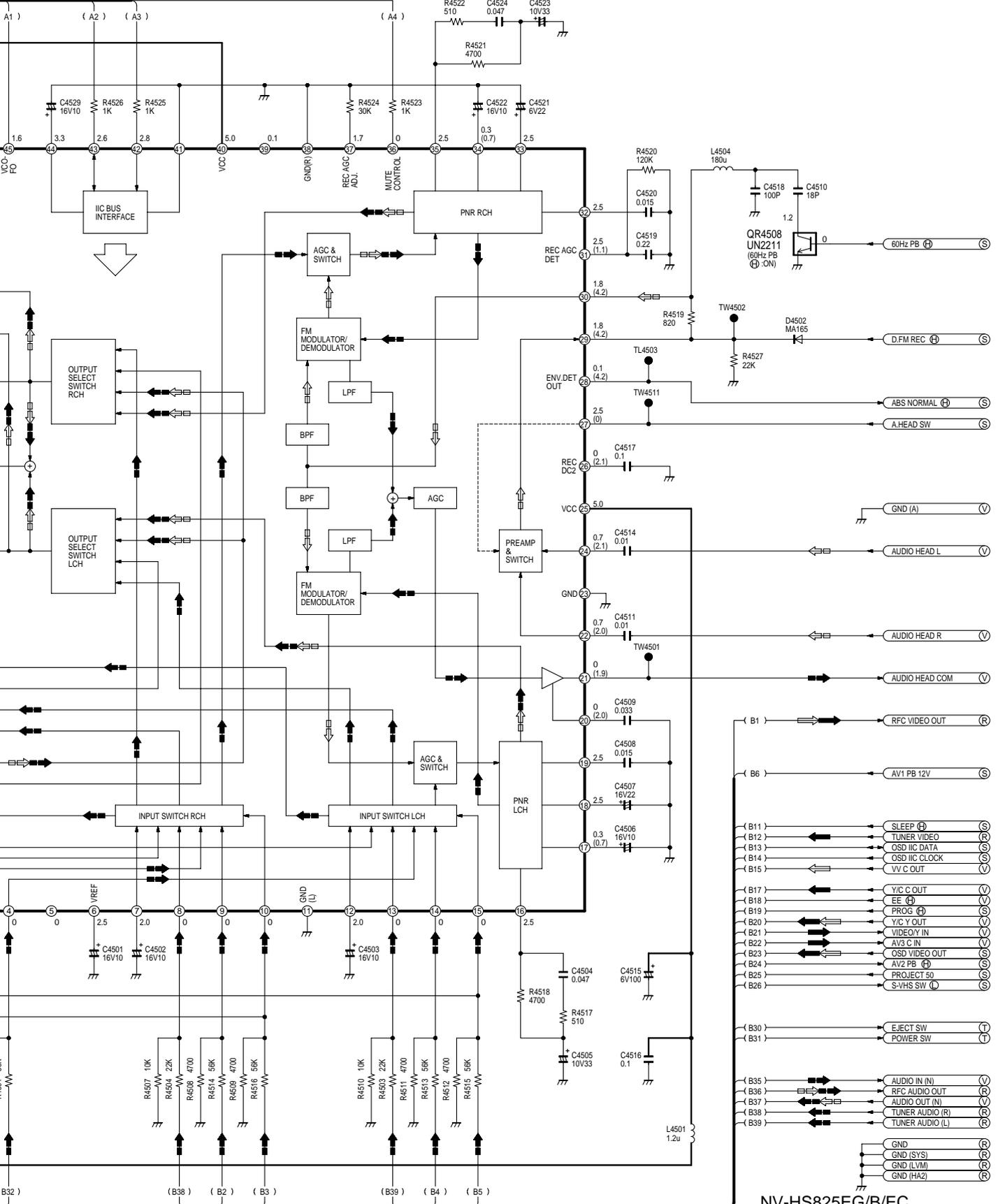
8.6. Hi-Fi AUDIO SECTION IN MAIN SCHEMATIC DIAGRAM



NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS () ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL (SP MODE)

THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL (SP MODE)

IN REC MODE
IN PLAYBACK MODE



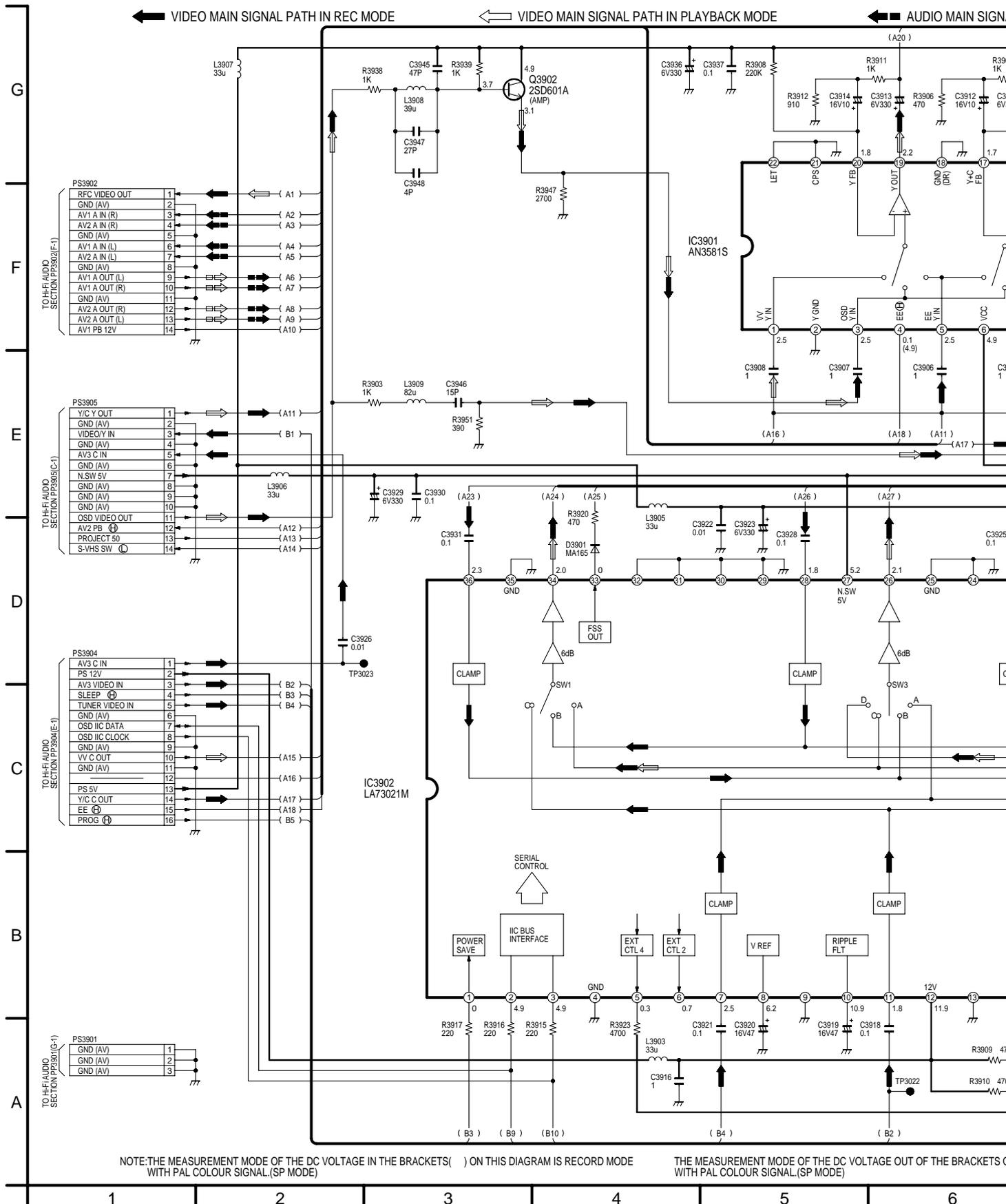
PACKETS ON THIS DIAGRAM IS PLAYBACK MODE

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

NV-HS825EG/B/EC
Hi-Fi AUDIO SECTION IN MAIN
SCHEMATIC DIAGRAM

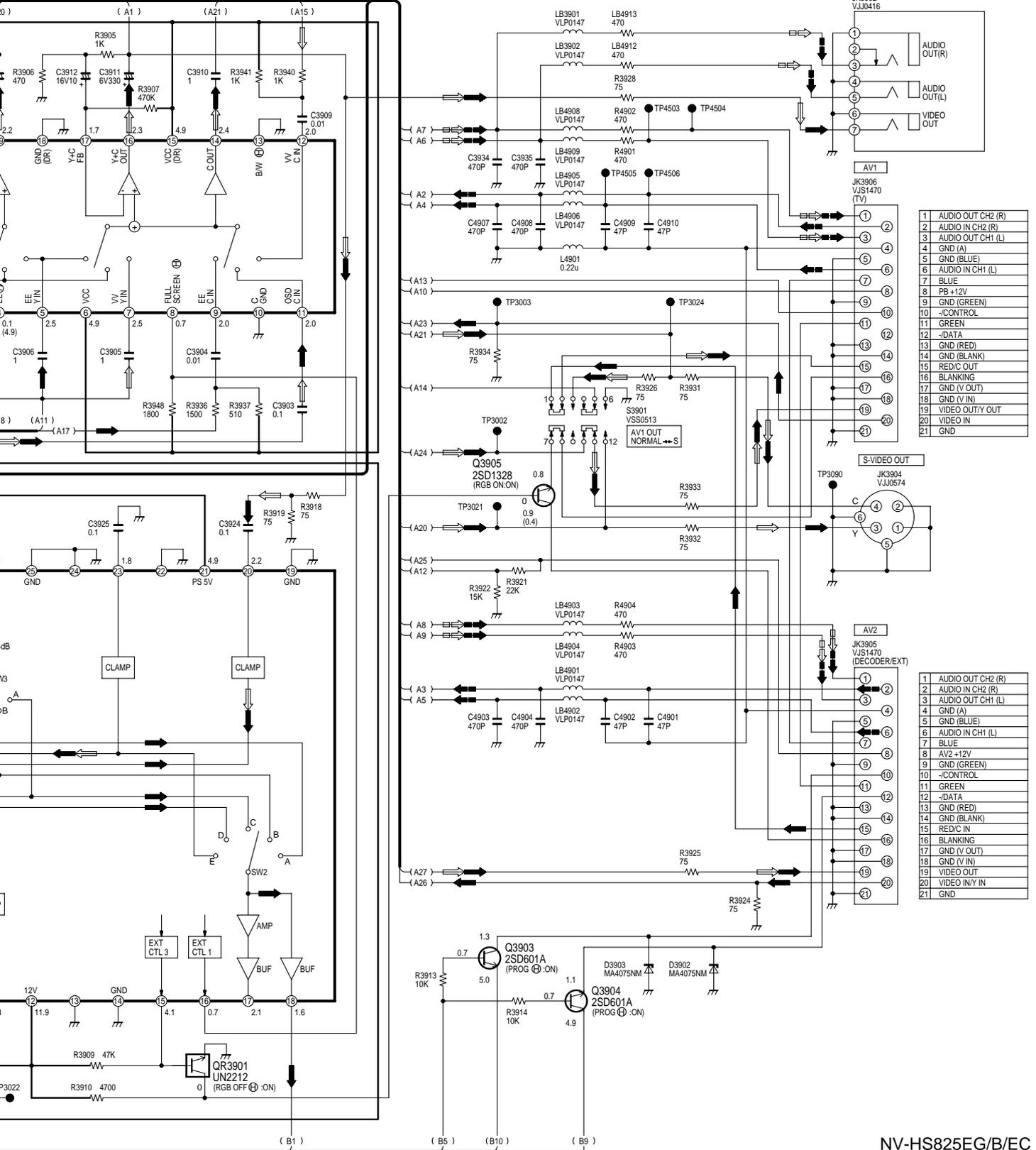
6 | 7 | 8 | 9 | 10 | 11

8.7. INPUT/ OUTPUT PACK SCHEMATIC DIAGRAM



AUDIO MAIN SIGNAL PATH IN REC MODE

AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE



- | | |
|----|-------------------|
| 1 | AUDIO OUT CH2 (R) |
| 2 | AUDIO IN CH2 (R) |
| 3 | AUDIO OUT CH1 (L) |
| 4 | GND (A) |
| 5 | GND (BLUE) |
| 6 | AUDIO IN CH1 (L) |
| 7 | BLUE |
| 8 | PB +12V |
| 9 | GND (GREEN) |
| 10 | -CONTROL |
| 11 | GREEN |
| 12 | -DATA |
| 13 | GND (RED) |
| 14 | GND (BLANK) |
| 15 | RED/C OUT |
| 16 | BLANKING |
| 17 | GND (V OUT) |
| 18 | GND (V IN) |
| 19 | VIDEO OUT/Y OUT |
| 20 | VIDEO IN |
| 21 | GND |

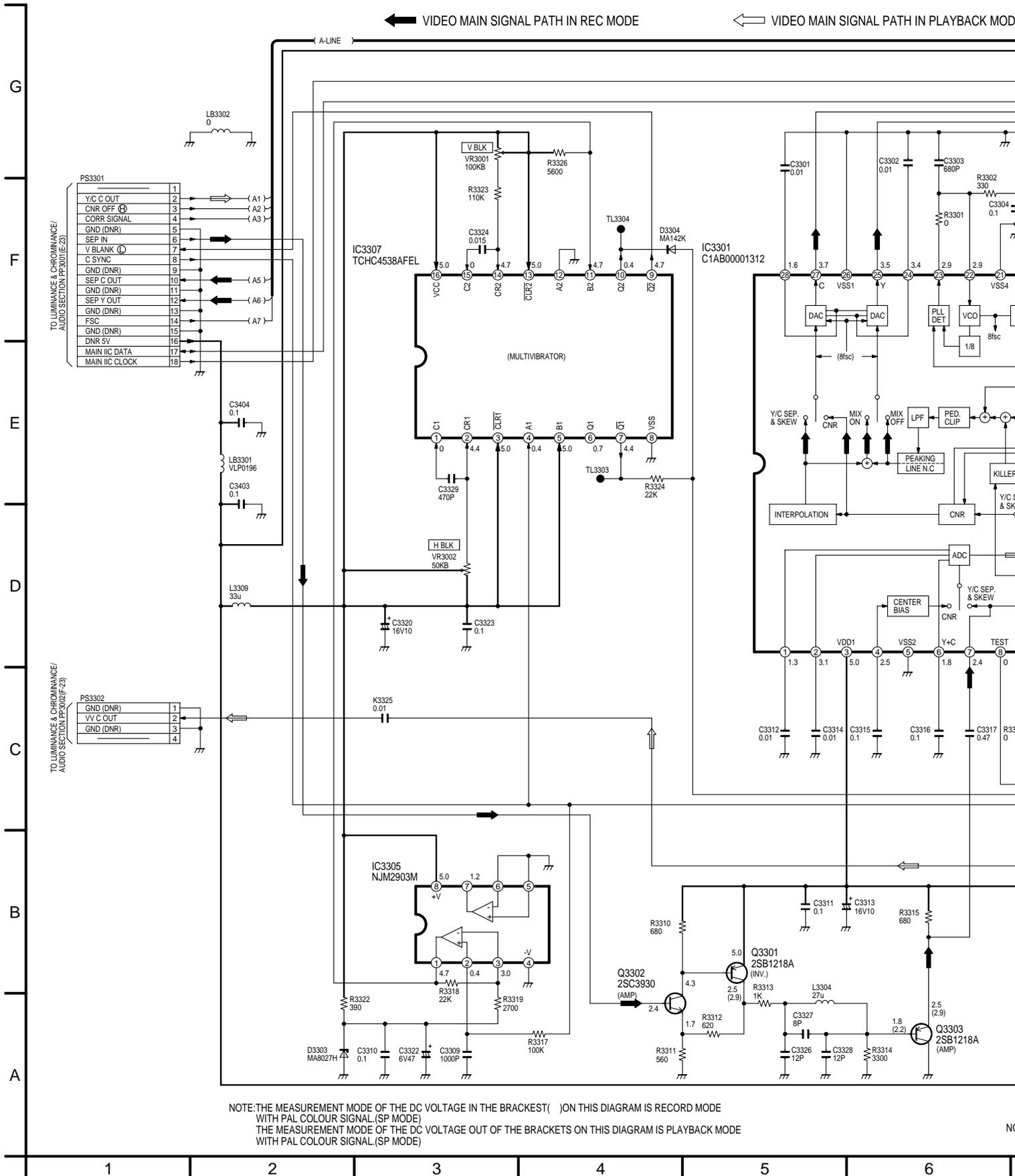
- | | |
|----|-------------------|
| 1 | AUDIO OUT CH2 (R) |
| 2 | AUDIO IN CH2 (R) |
| 3 | AUDIO OUT CH1 (L) |
| 4 | GND (A) |
| 5 | GND (BLUE) |
| 6 | AUDIO IN CH1 (L) |
| 7 | BLUE |
| 8 | AV2 +12V |
| 9 | GND (GREEN) |
| 10 | -CONTROL |
| 11 | GREEN |
| 12 | -DATA |
| 13 | GND (RED) |
| 14 | GND (BLANK) |
| 15 | RED/C IN |
| 16 | BLANKING |
| 17 | GND (V OUT) |
| 18 | GND (V IN) |
| 19 | VIDEO OUT |
| 20 | VIDEO IN/Y IN |
| 21 | GND |

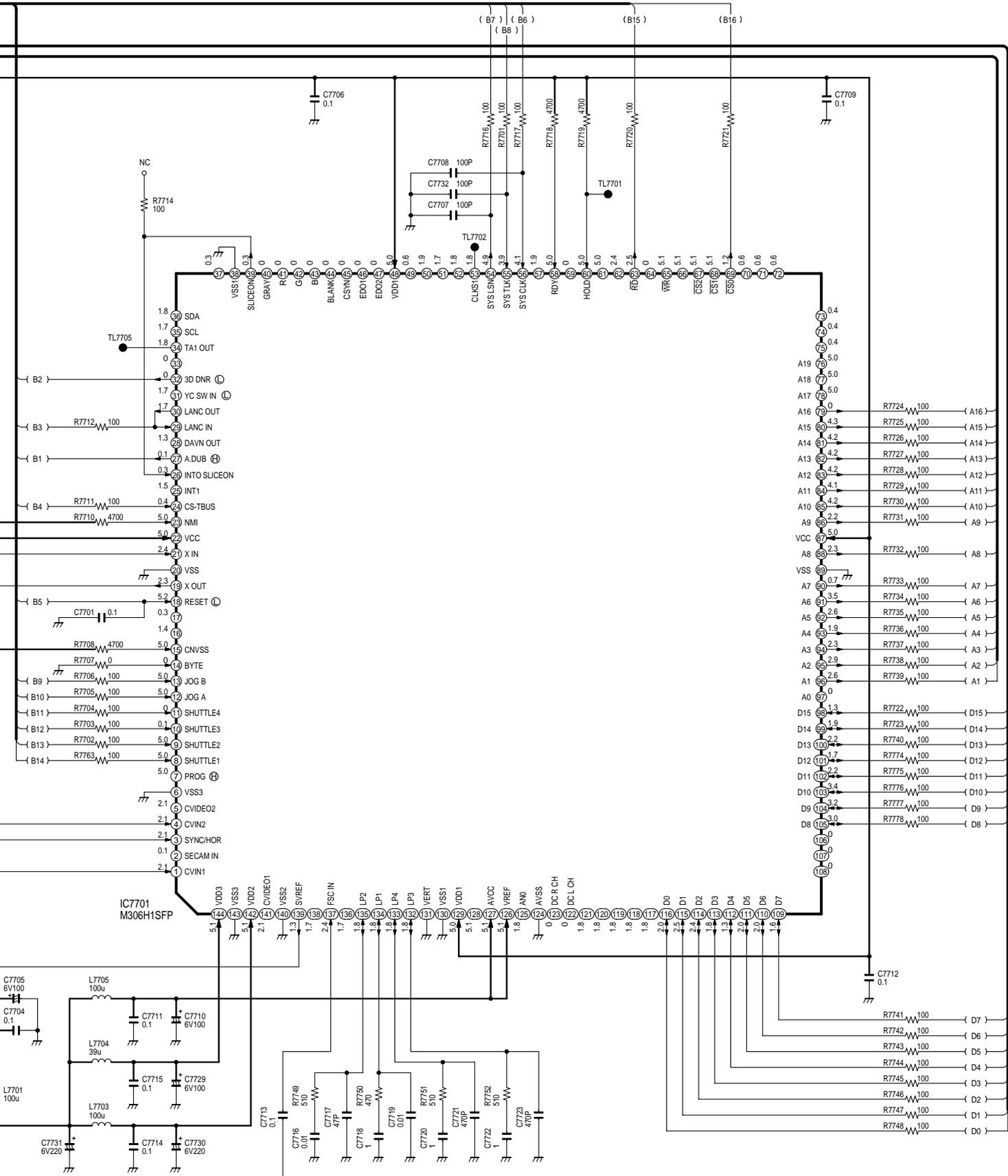
OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NV-HS825EG/B/EC
INPUT/OUTPUT PACK
SCHEMATIC DIAGRAM

8.8. DNR PACK SCHEMATIC DIAGRAM

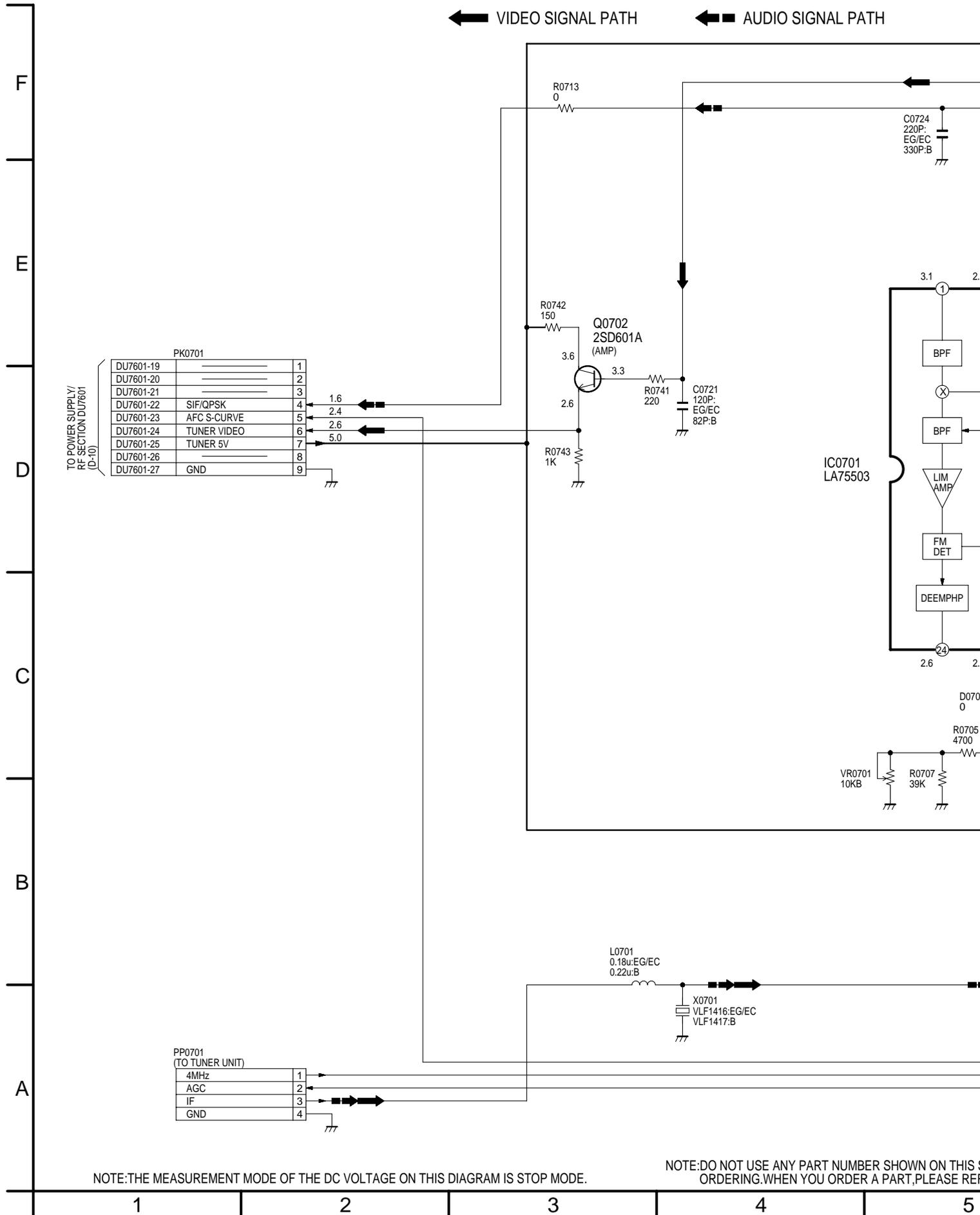


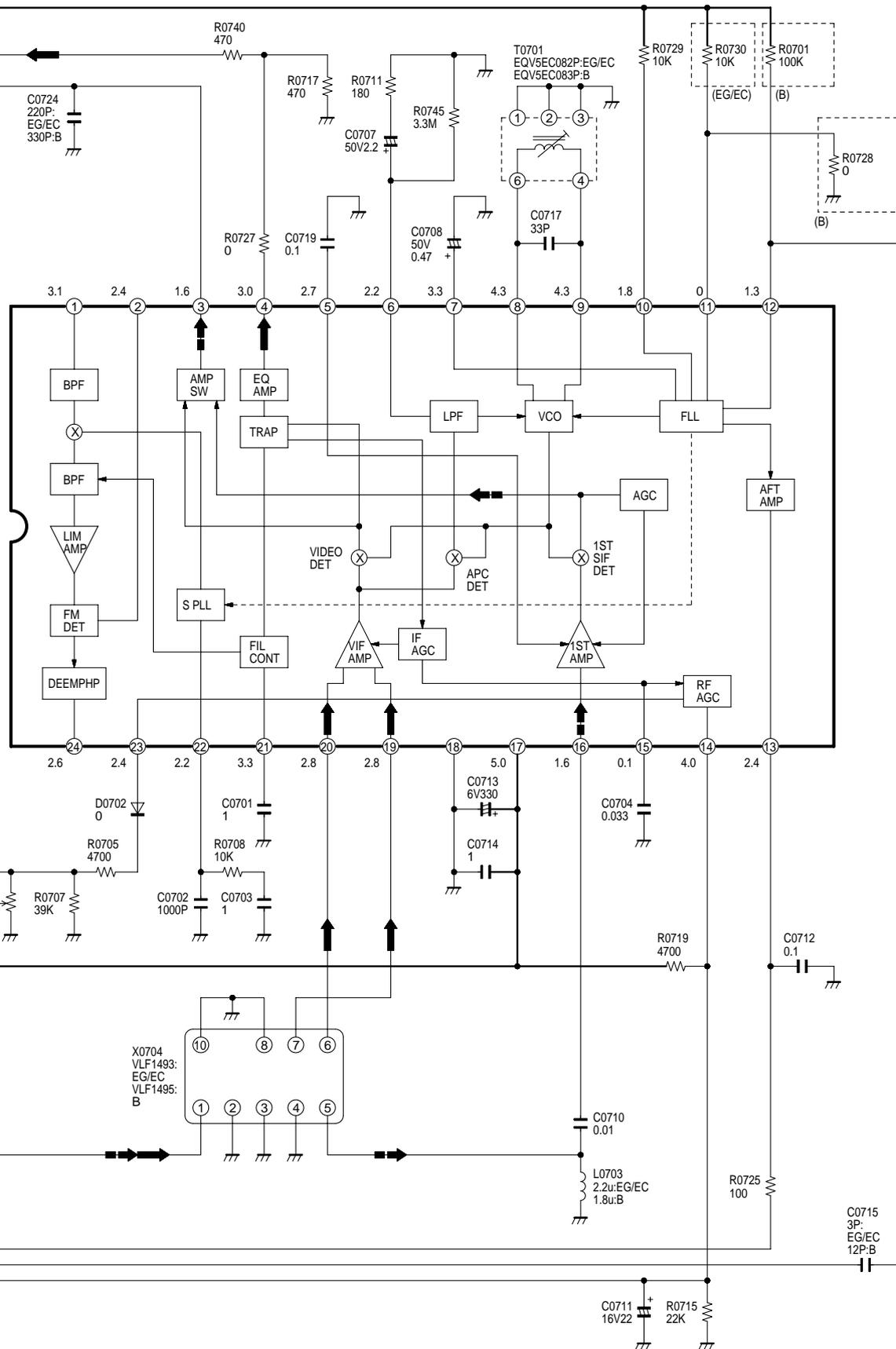


NOTE: DO NOT USE PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NV-HS825EG/B/EC
OSD/SECAM SCHEMATIC DIAGRAM

8.10. TV DEMODULATOR PACK SCHEMATIC DIAGRAM





SHOWN ON THIS SCHEMATIC DIAGRAM FOR PART, PLEASE REFER TO PARTS LIST.

NV-HS825EG/B/EC TV DEMODULATOR PACK SCHEMATIC DIAGRAM

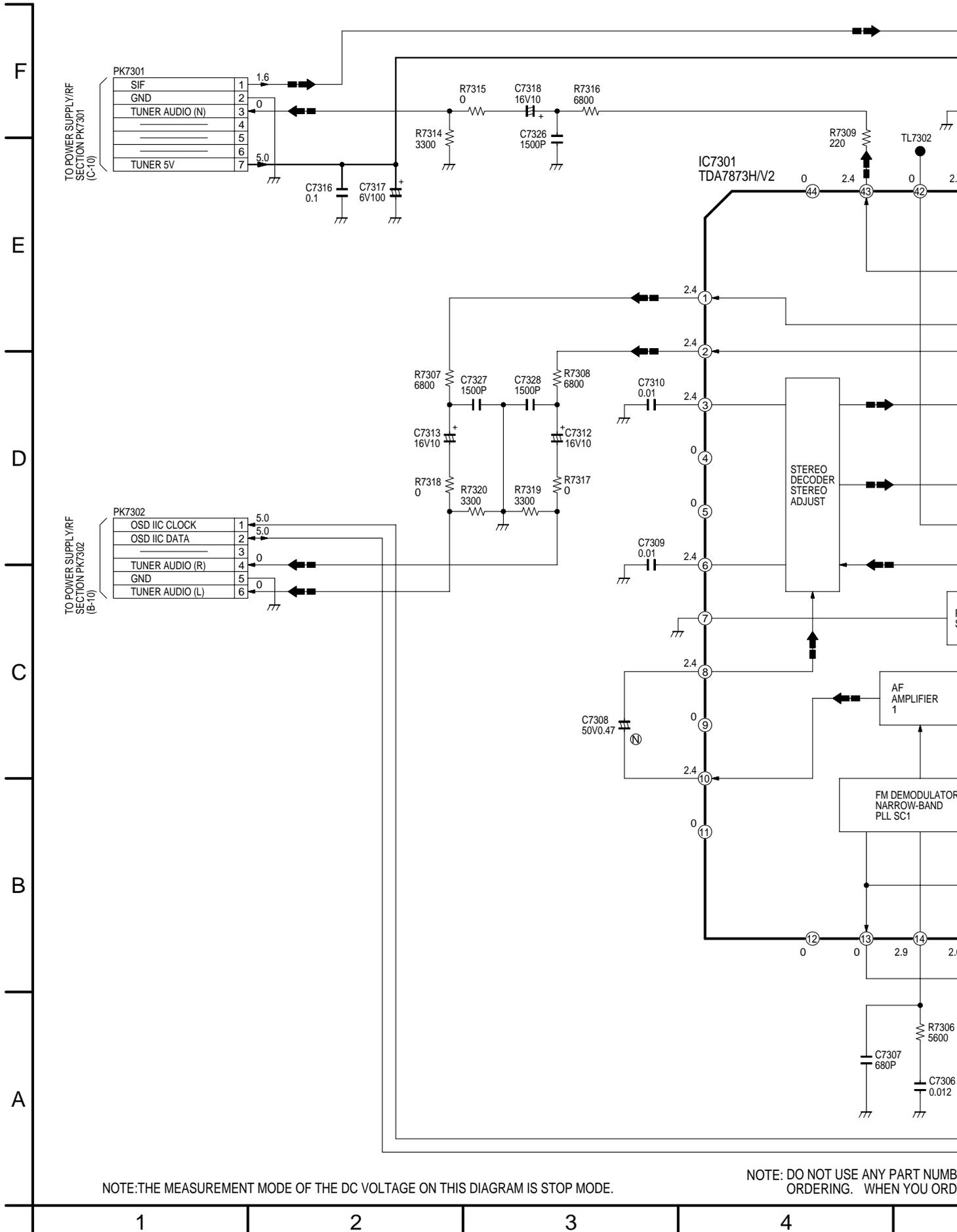
5

6

7

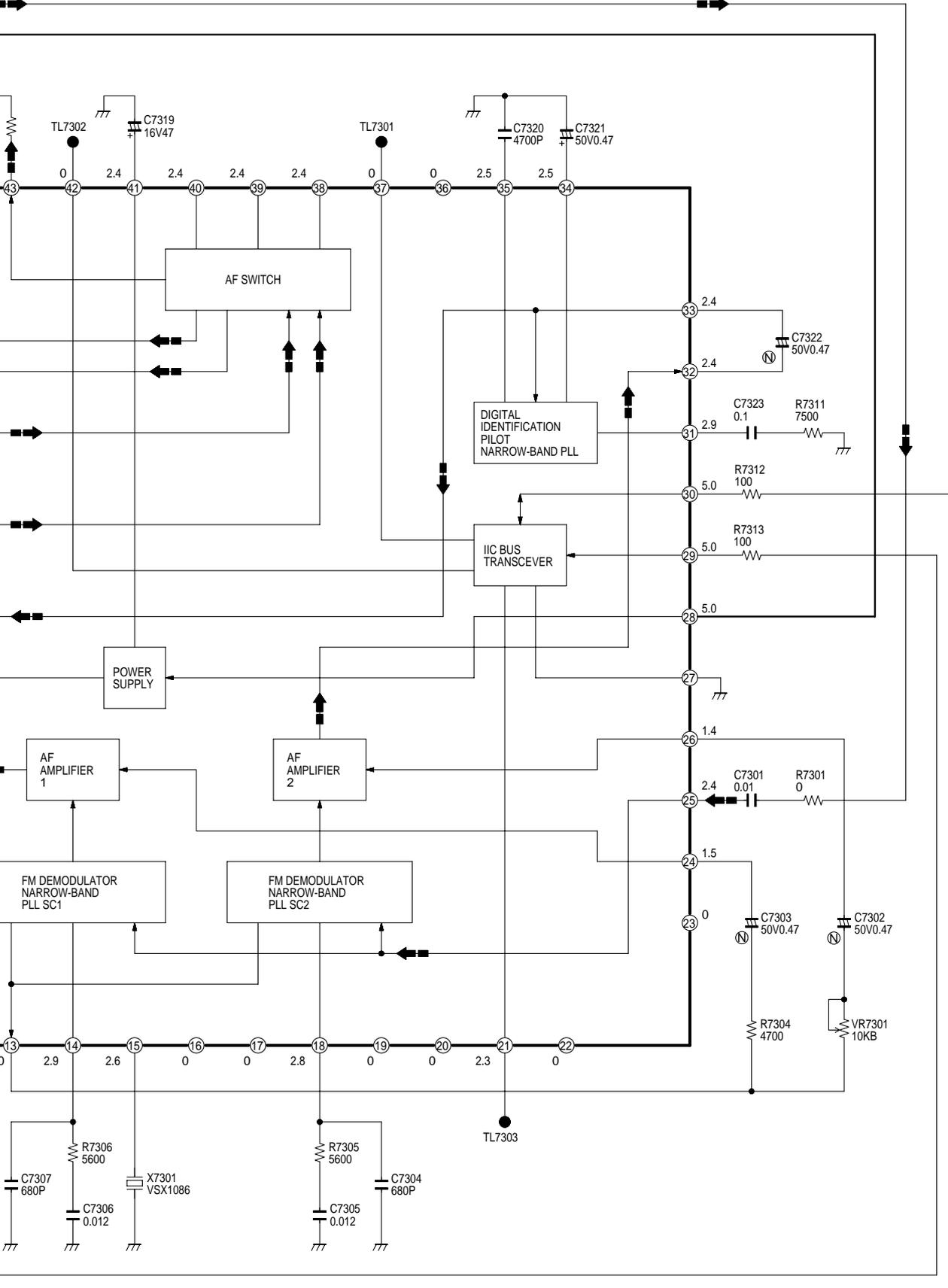
8

8.11. DECODER PACK SCHEMATIC DIAGRAM (NV-HS825EG)





← AUDIO SIGNAL PATH



IF ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NV-HS825EG
DECODER PACK SCHEMATIC DIAGRAM

5

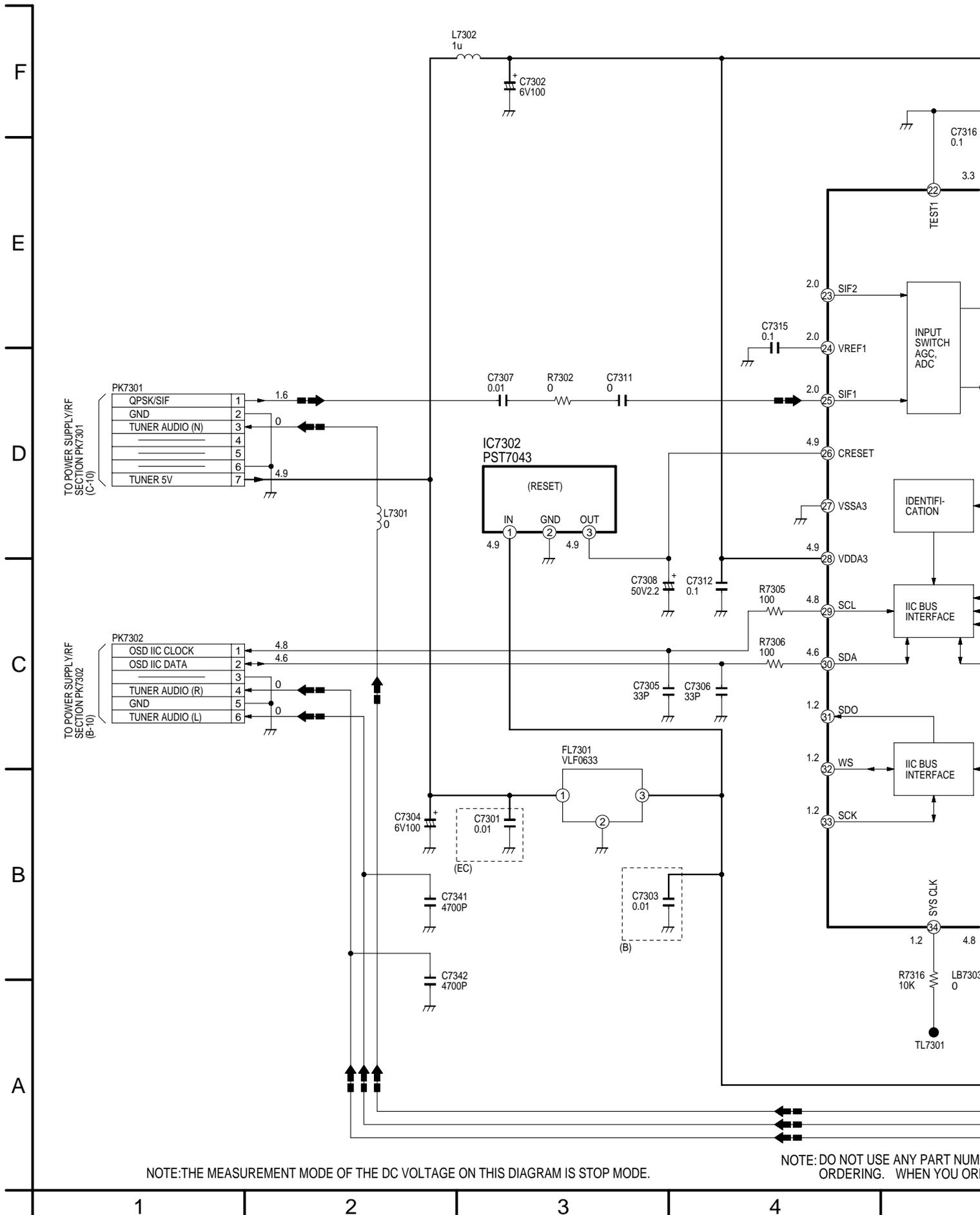
6

7

8

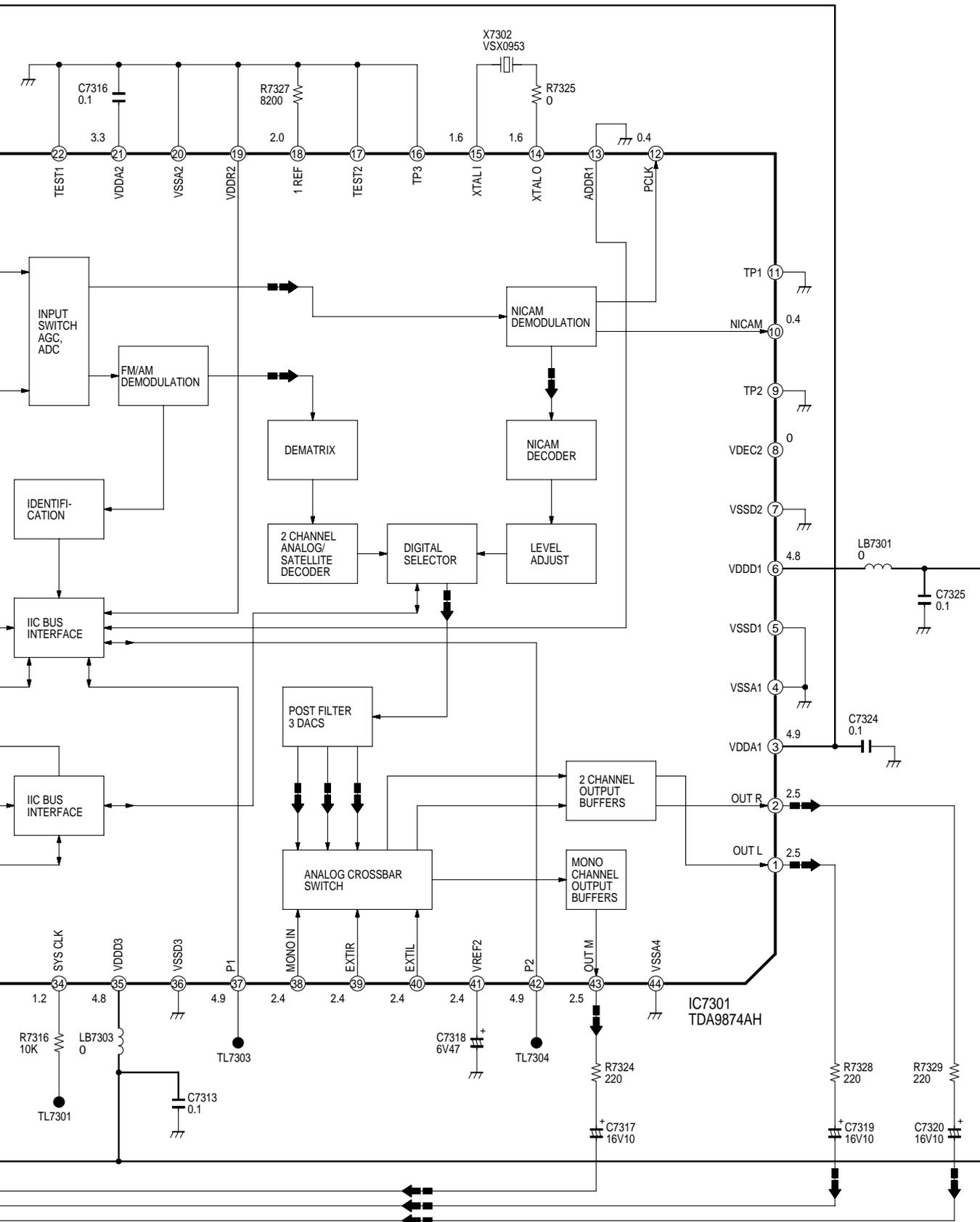


8.12. NICAM DECODER PACK SCHEMATIC DIAGRAM (NV-HS825B/EC)





← AUDIO SIGNAL PATH



IF ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR... WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NV-HS825B/EC
NICAM DECODER PACK SCHEMATIC DIAGRAM

5

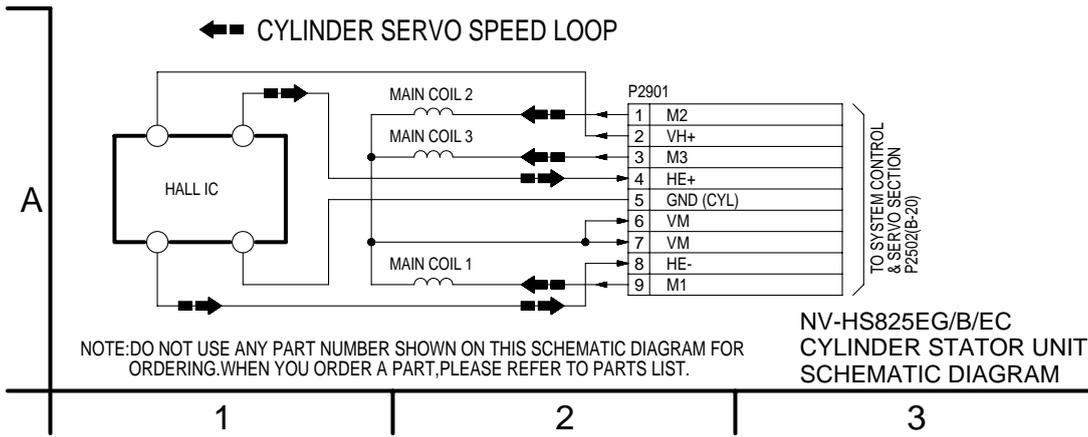
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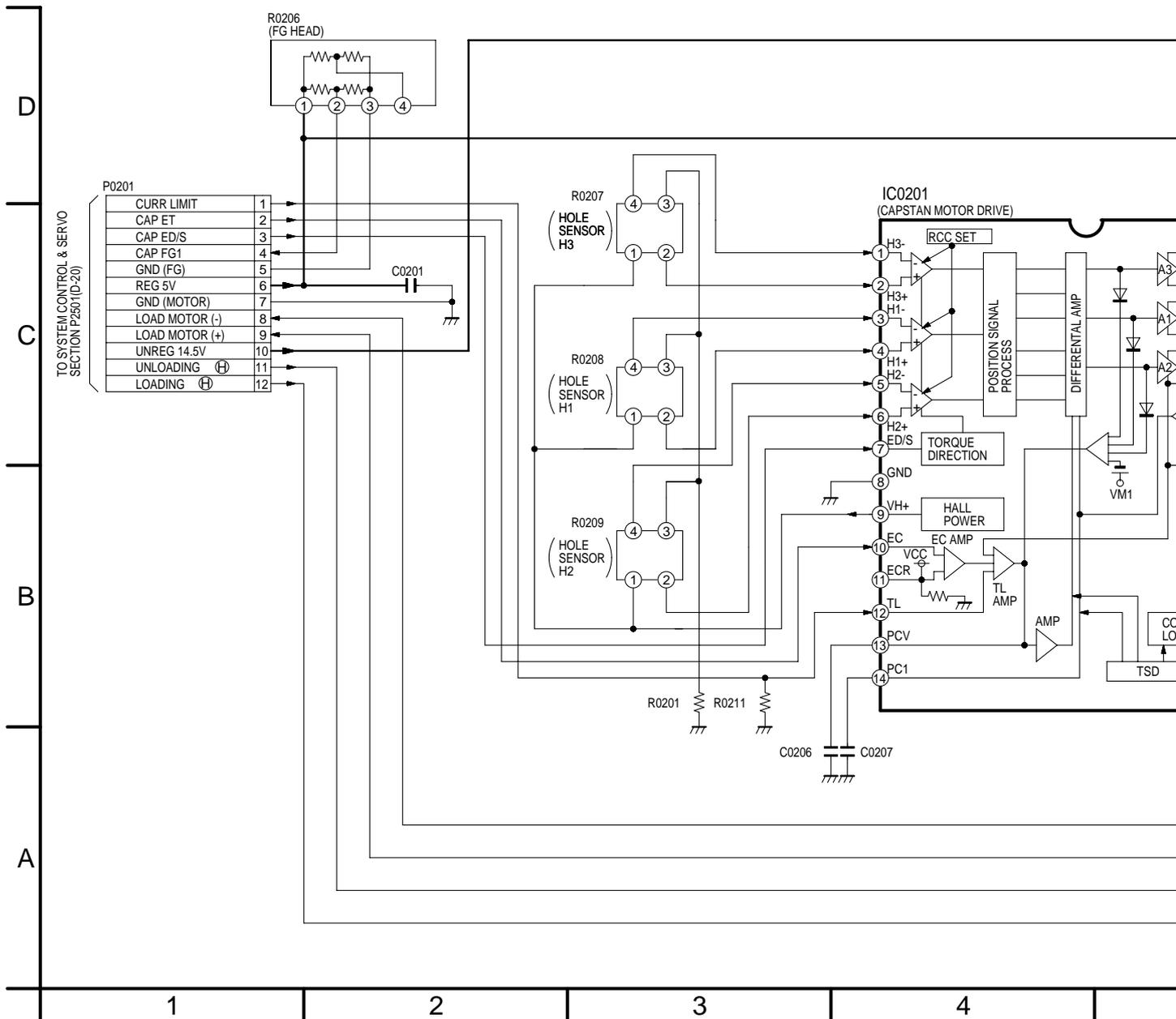
8

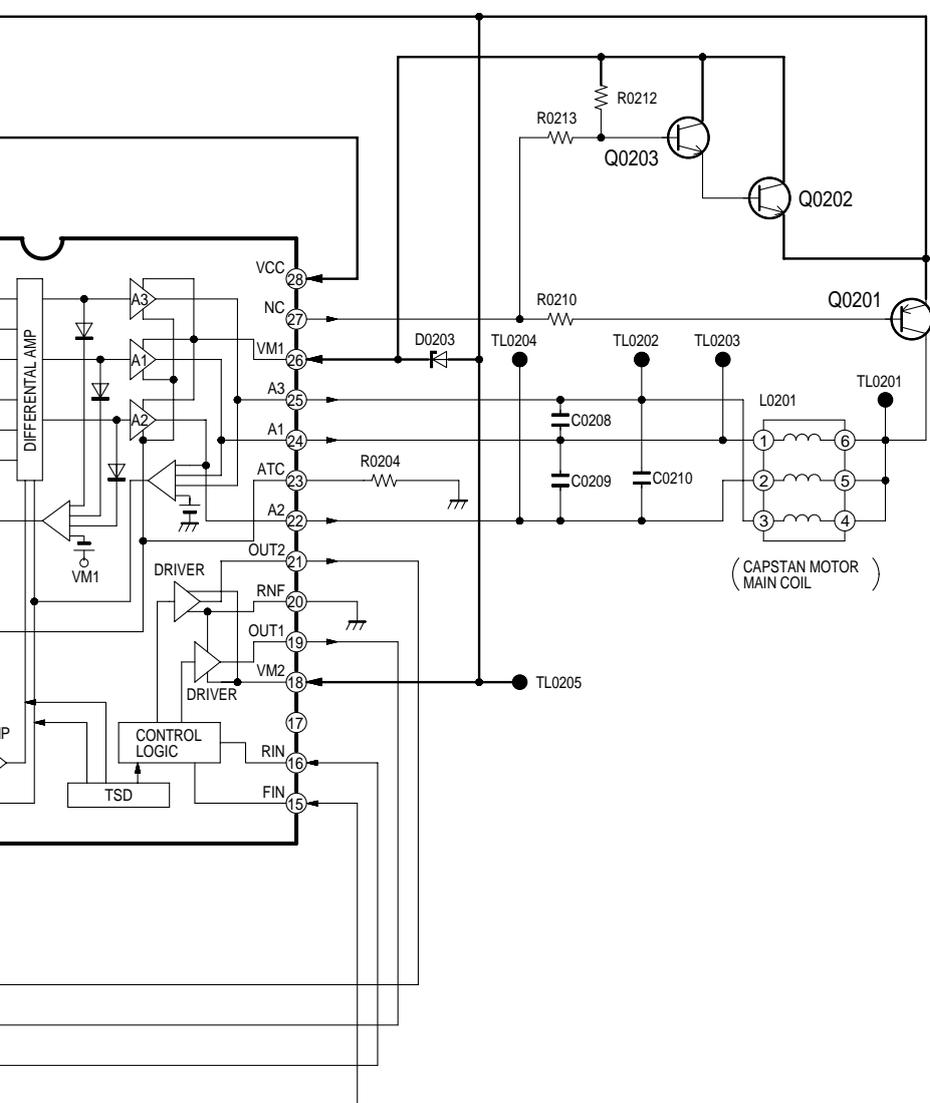


8.13. CYLINDER STATOR UNIT SCHEMATIC DIAGRAM



8.14. CAPSTAN UNIT SCHEMATIC DIAGRAM





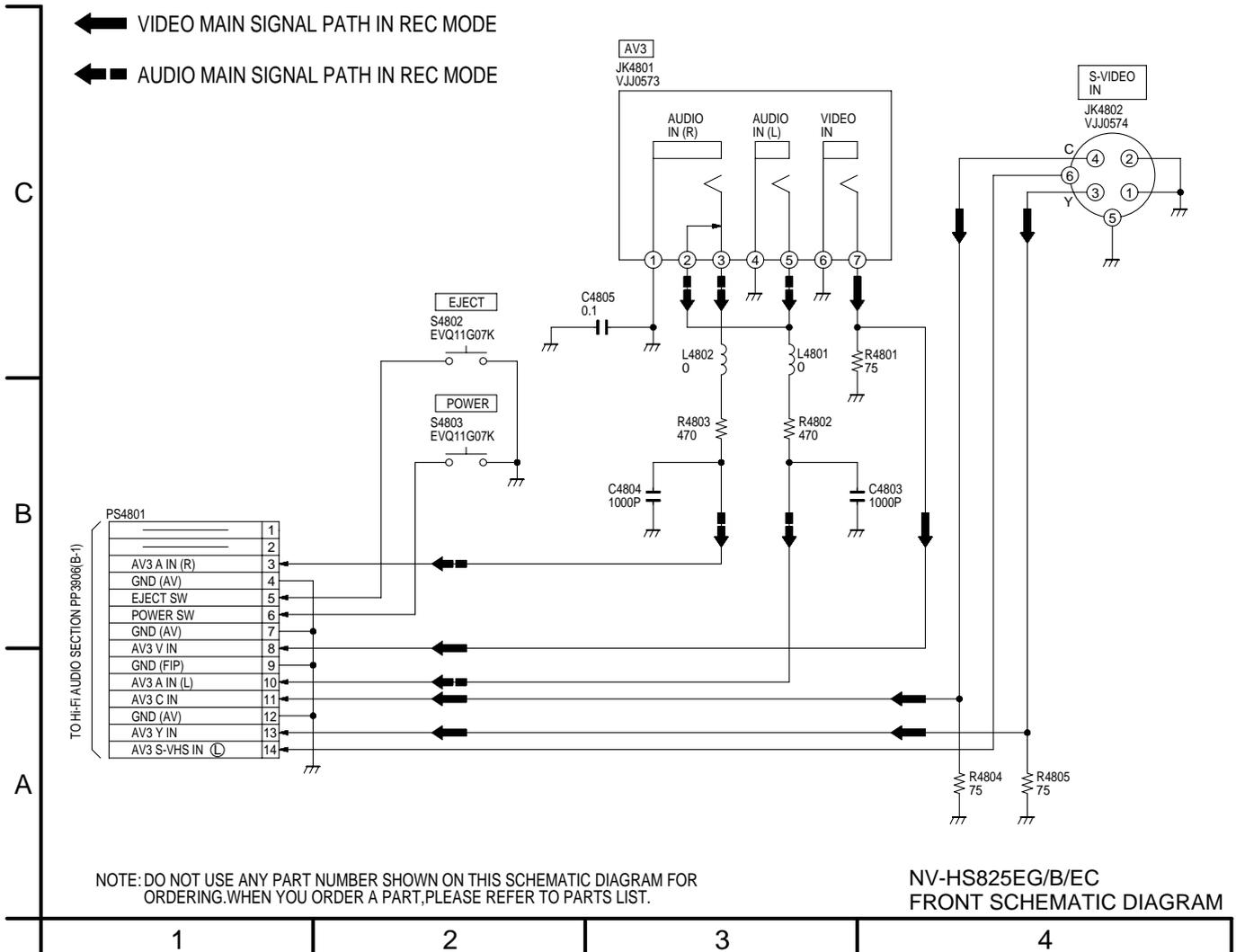
NV-HS825EG/B/EC
CAPSTAN UNIT SCHEMATIC DIAGRAM

5

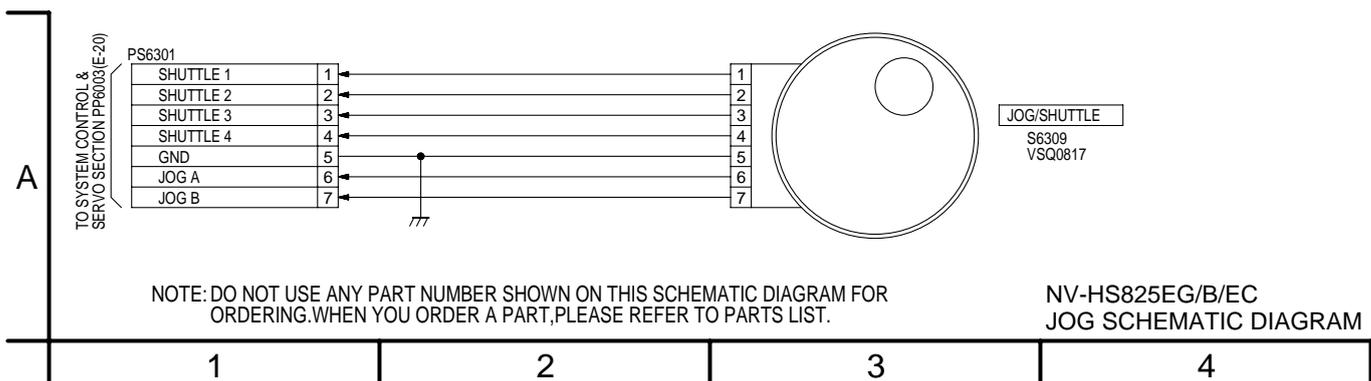
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8.15. FRONT SCHEMATIC DIAGRAM



8.16. JOG SCHEMATIC DIAGRAM





1

1

