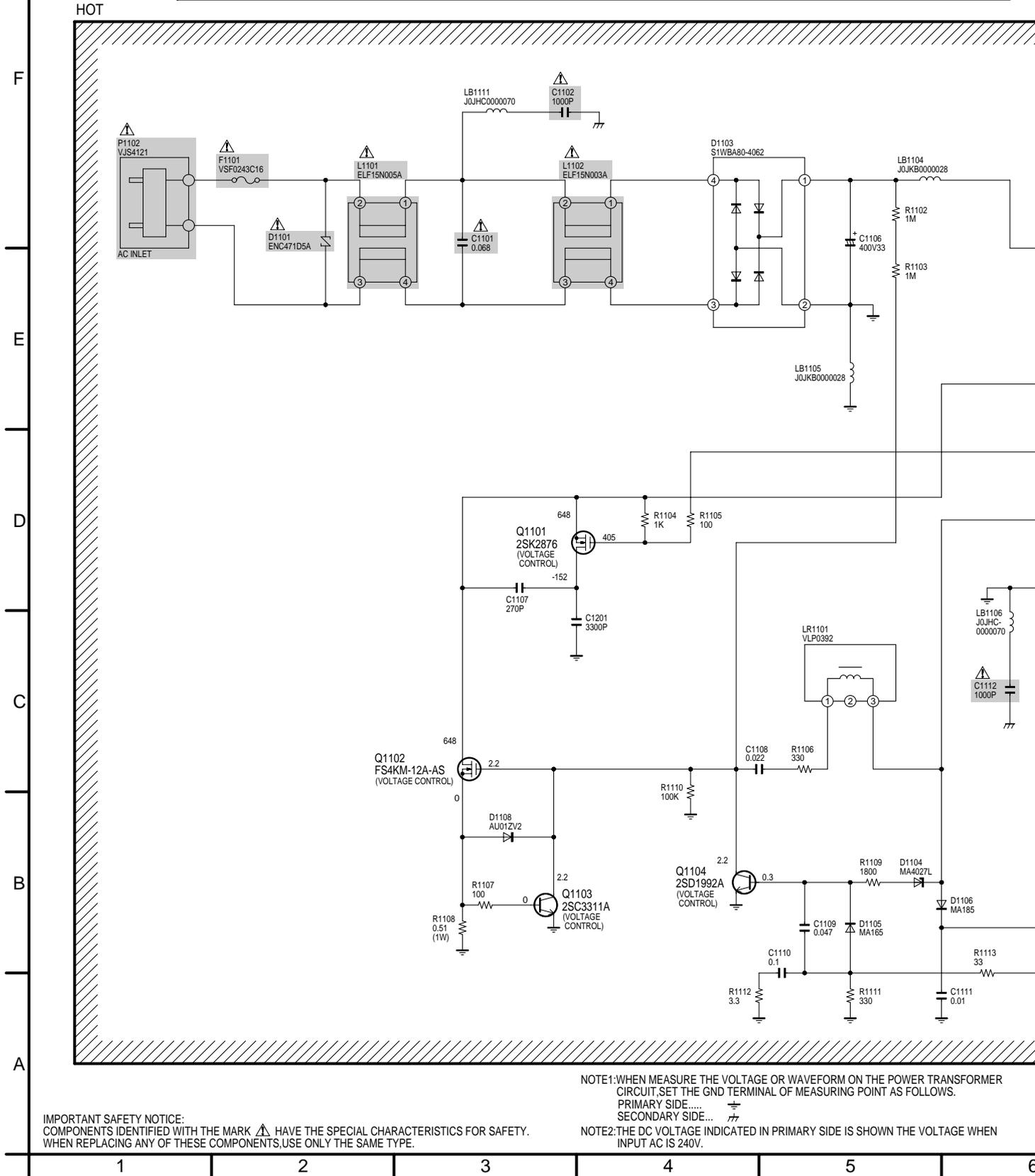


8 SCHEMATIC DIAGRAMS

8.1. POWER TRANSFORMER SECTION IN MAIN SCHEMATIC DIAGRAM

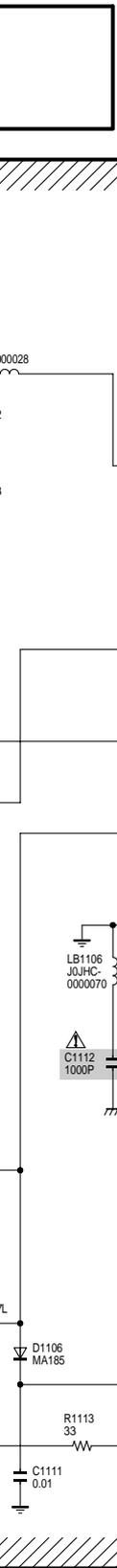
CAUTION THE STRIPED FRAME INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
 PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.



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.



- (R) : TO POWER SUPPLY/RF SECTION
- (S) : TO SYSTEM CONTROL & SERVO SECTION
- (T) : TO TIMER SECTION

TRANSFORMER
WINDINGS

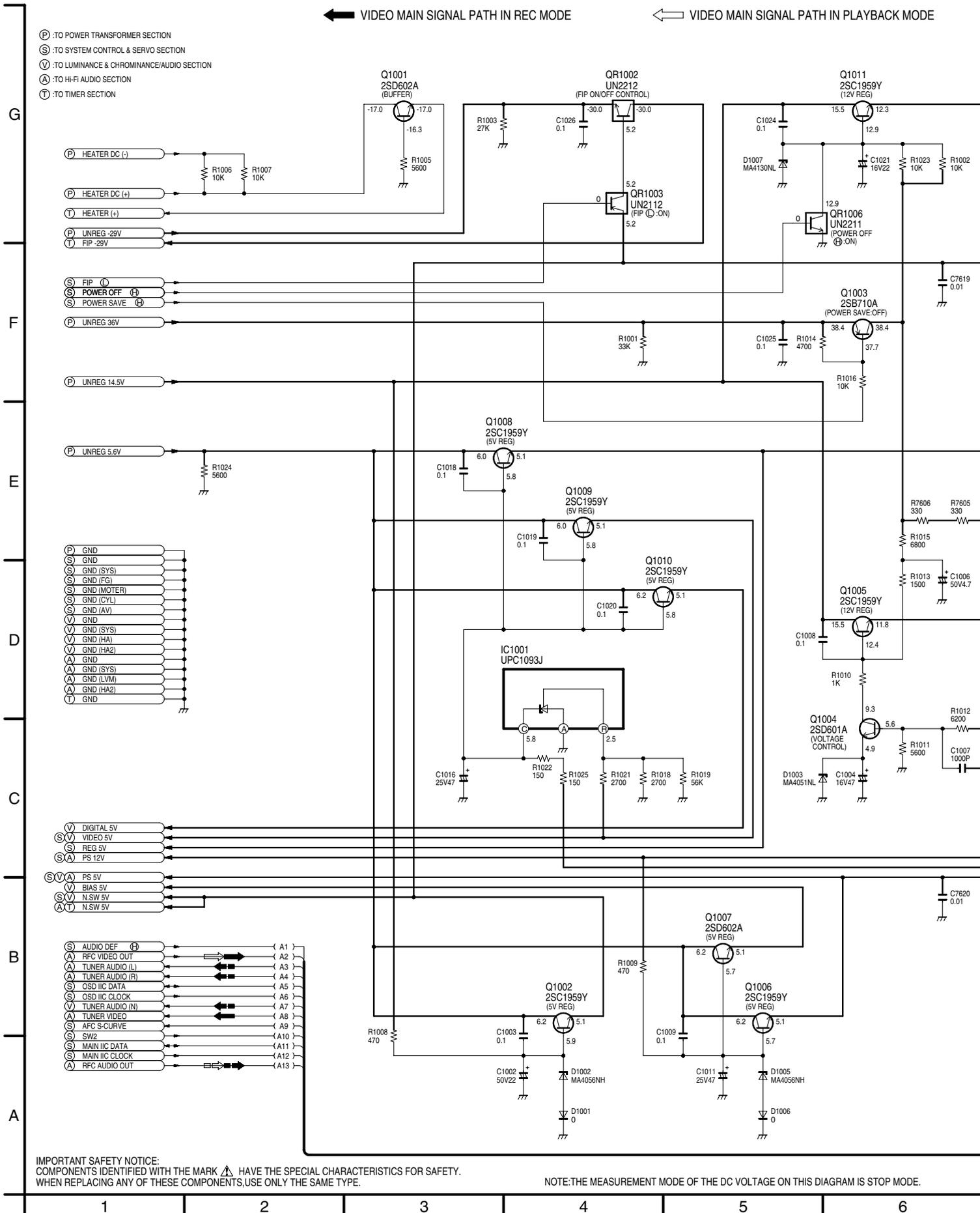
VOLTAGE WHEN

NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.
NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NV-HS830EG/B/EC/EE
POWER TRANSFORMER
SECTION SCHEMATIC DIAGRAM

6 7 8 9 10

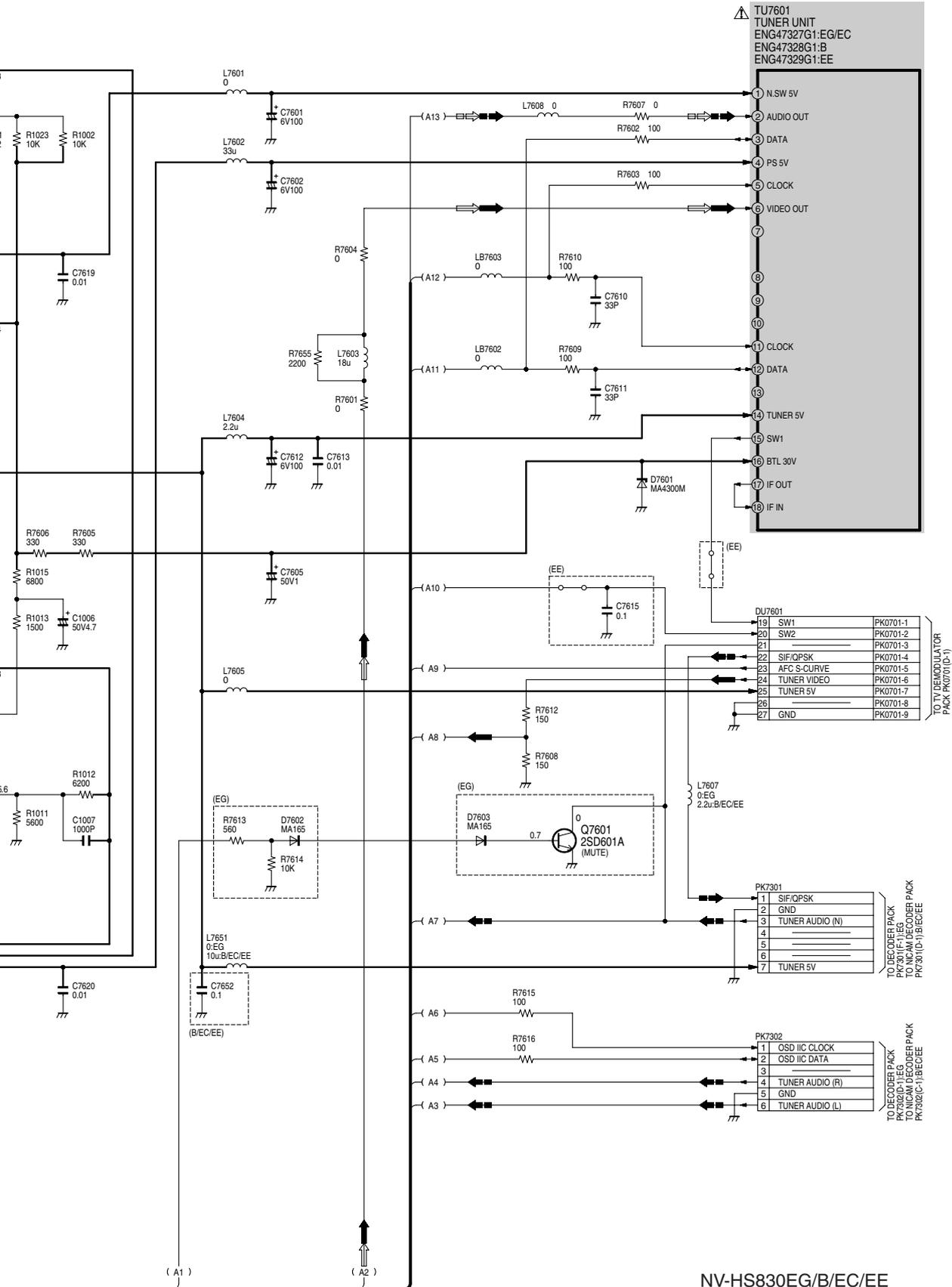
8.2. POWER SUPPLY/ RF SECTION IN MAIN SCHEMATIC DIAGRAM



CK MODE

← AUDIO MAIN SIGNAL PATH IN REC MODE

⇐ AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE



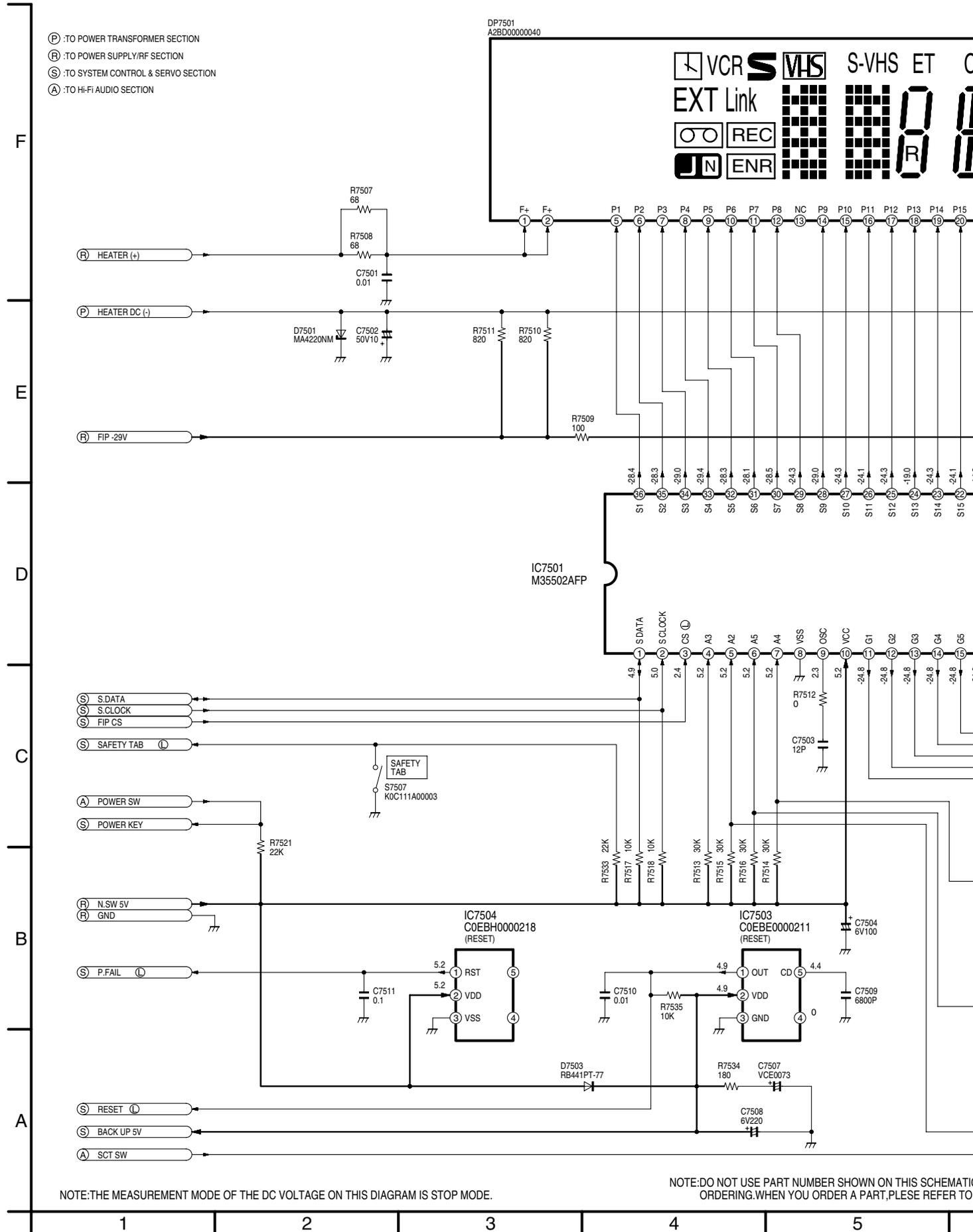
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

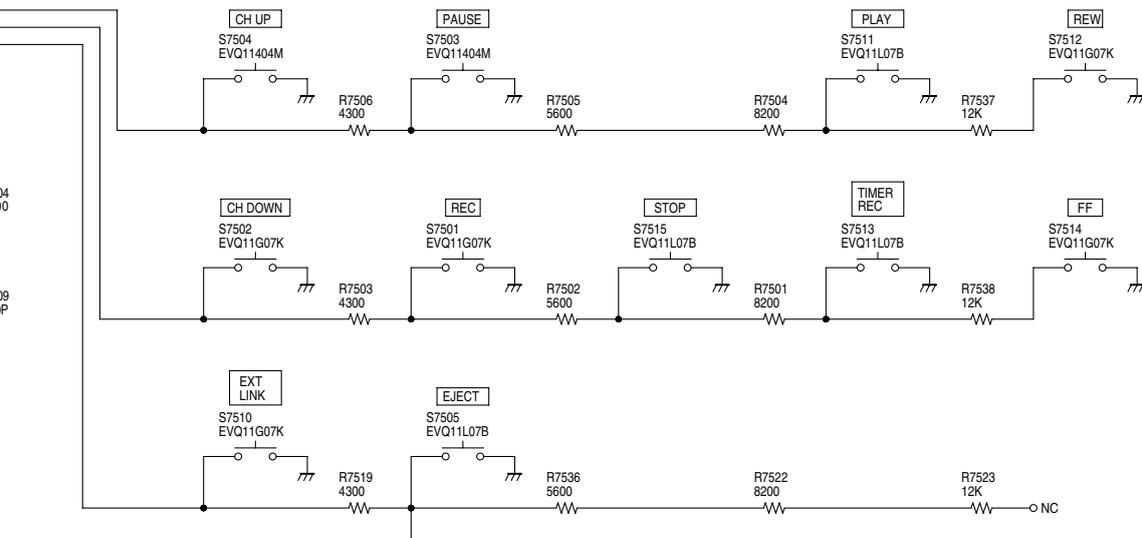
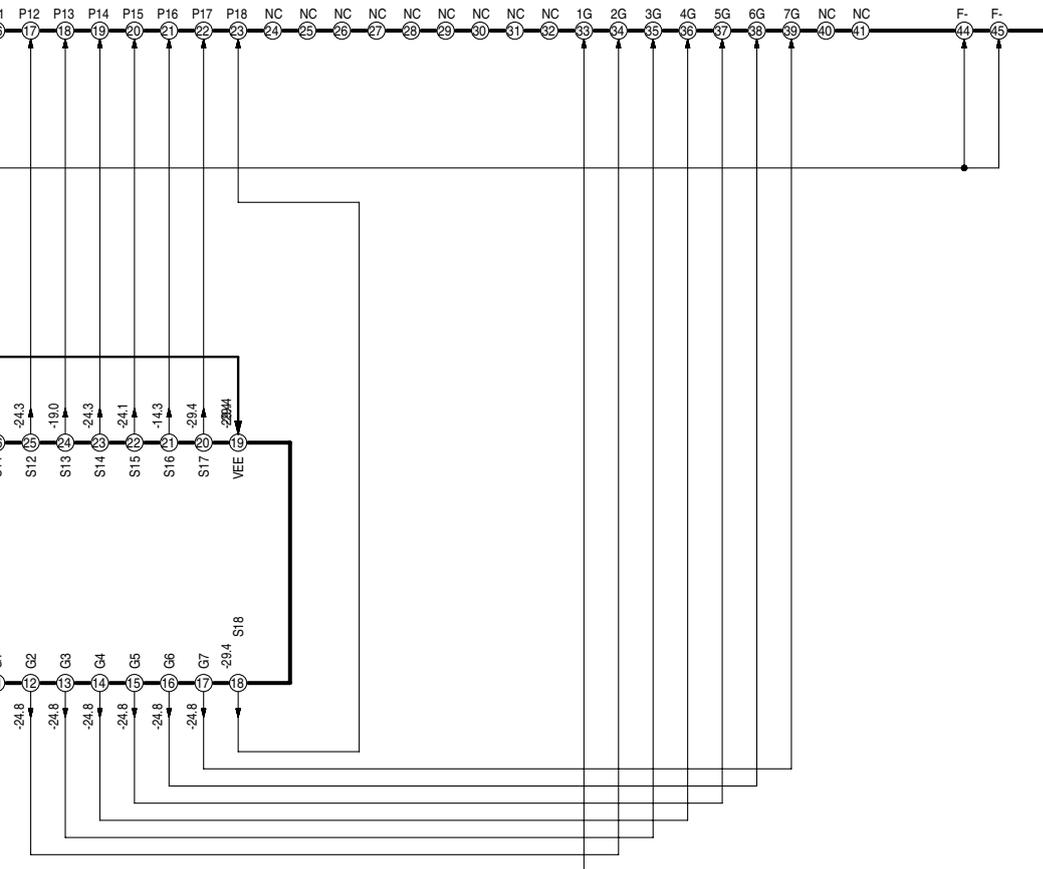
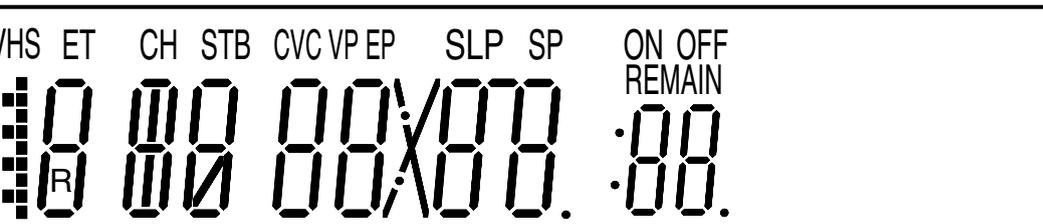
NV-HS830EG/B/EC/EE
POWER SUPPLY/RF SECTION
SCHEMATIC DIAGRAM

MP MODE

6 | 7 | 8 | 9 | 10

8.3. TIMER SECTION IN MAIN SCHEMATIC DIAGRAM





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

NV-HS830EG/B/EC/EE
TIMER SECTION SCHEMATIC DIAGRAM

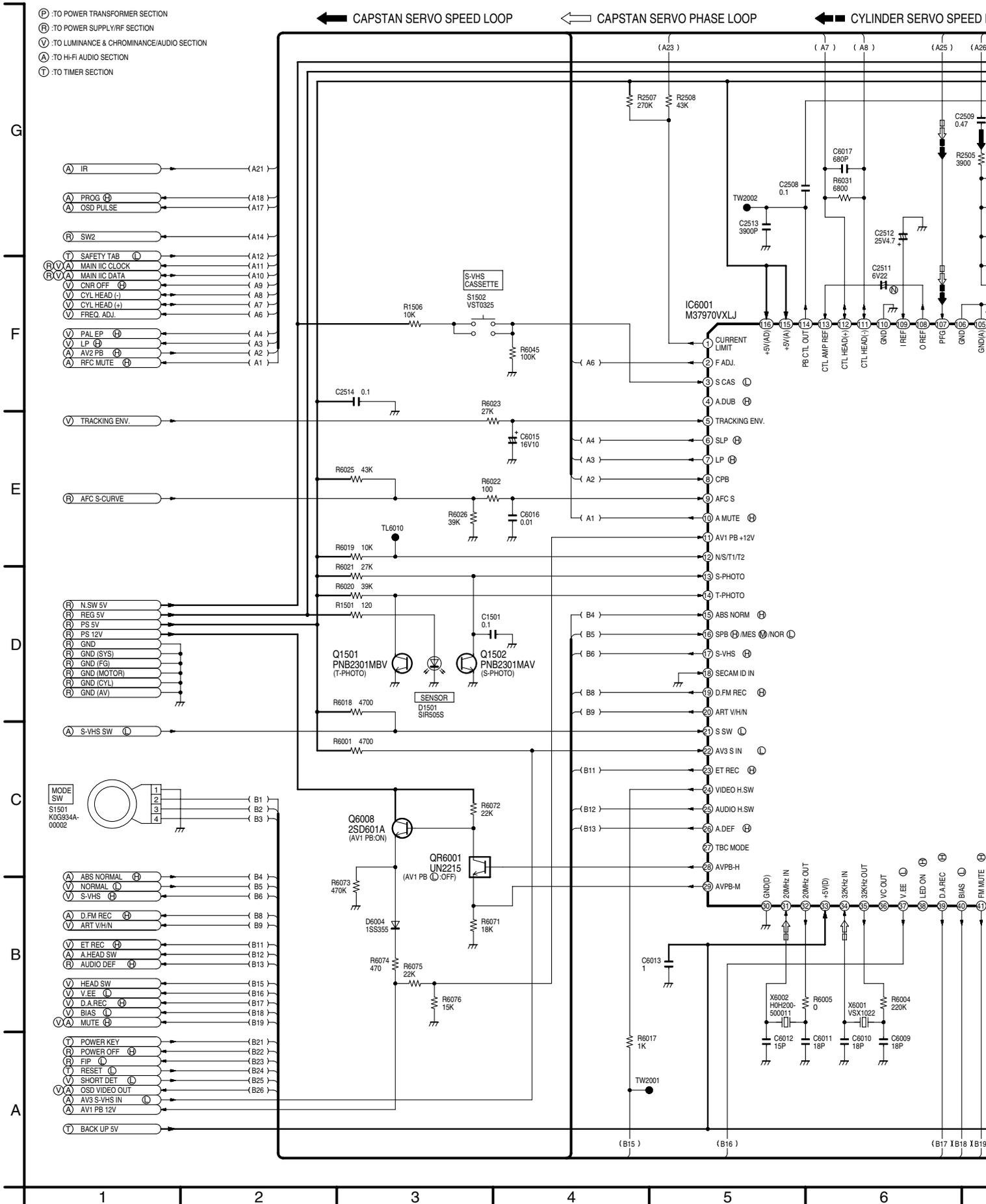
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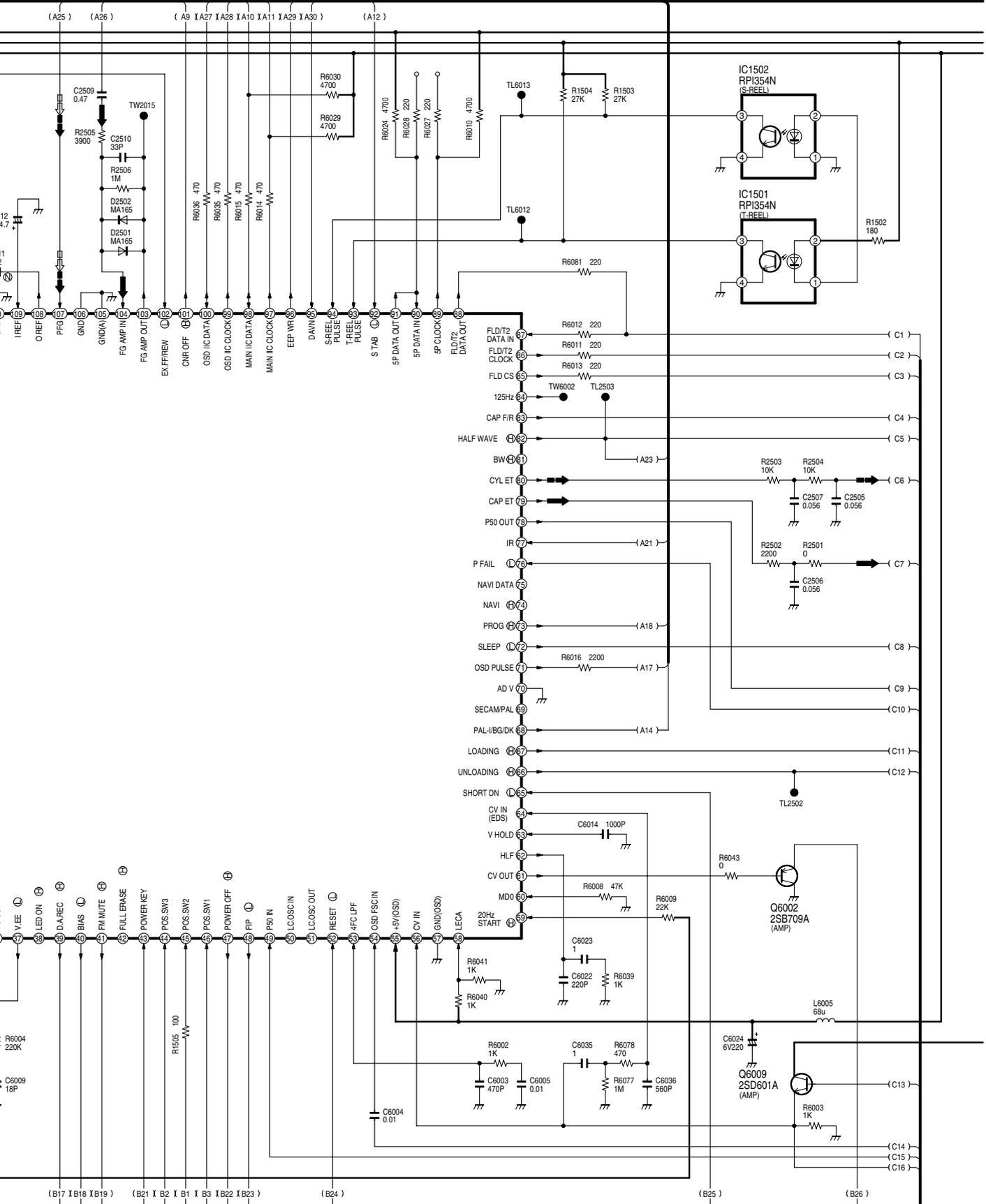
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8

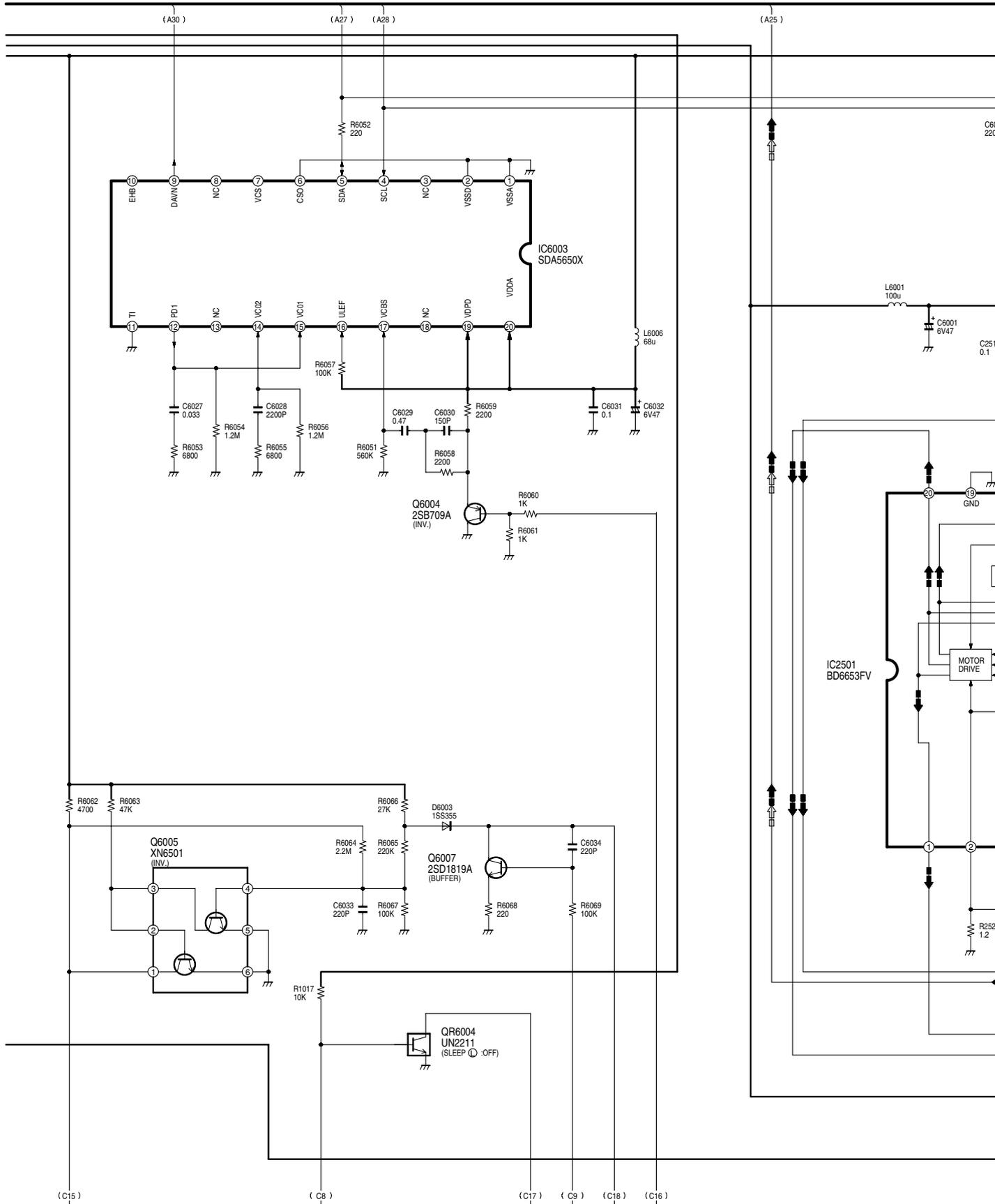
9

8.4. SYSTEM CONTROL & SERVO SECTION IN MAIN SCHEMATIC DIAGRAM





NV-HS830EG/B/EC/EE SYSTEM CONTROL & SERVO SECTION SCHEMATIC DIAGRAM



NV-HS830EG/B/EC/EE SYSTEM CONTROL & SERVO SECTION SCHEMATIC DIAGRAM

NOTE: DO NOT ORDER

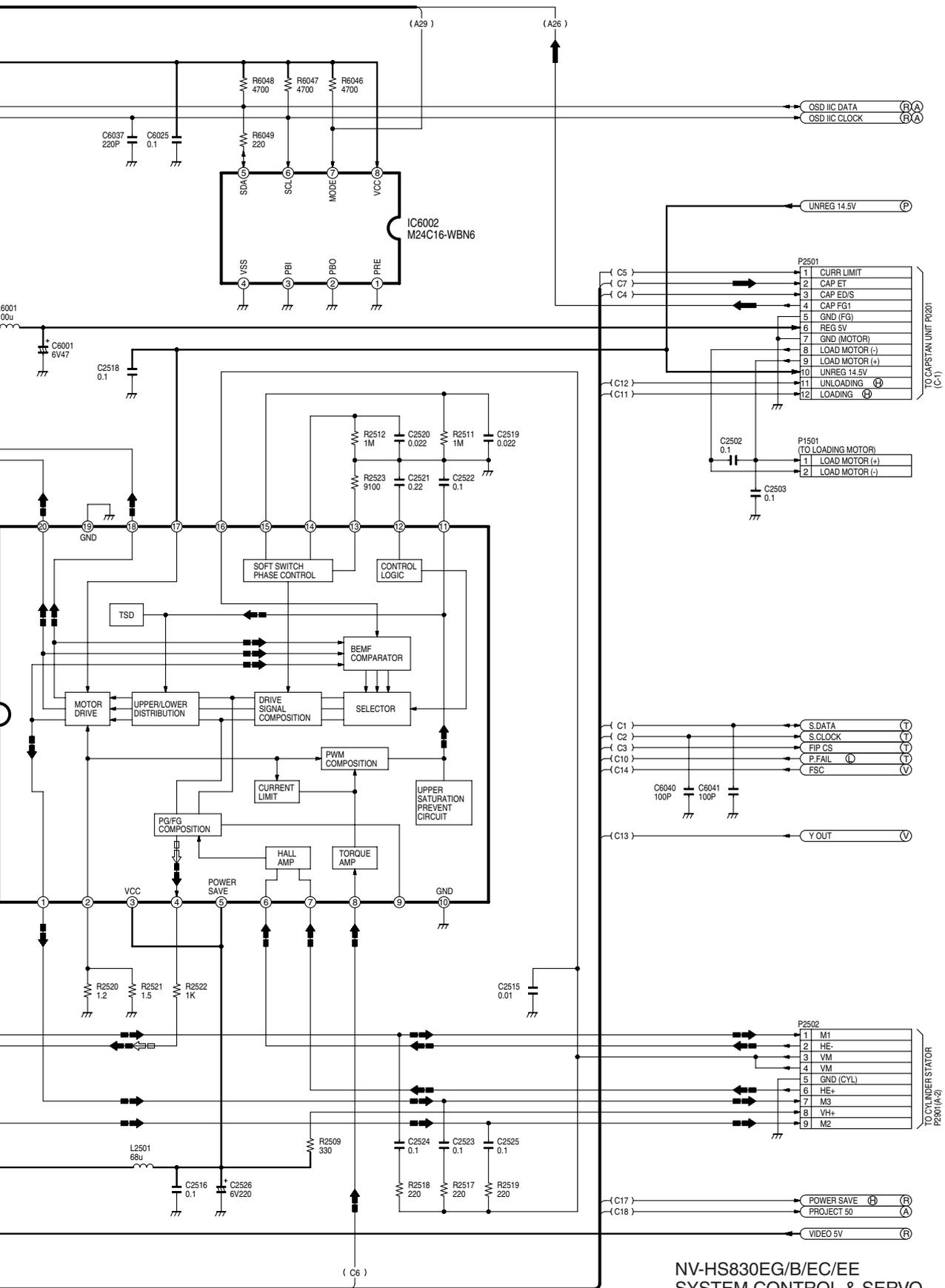
12

13

14

15

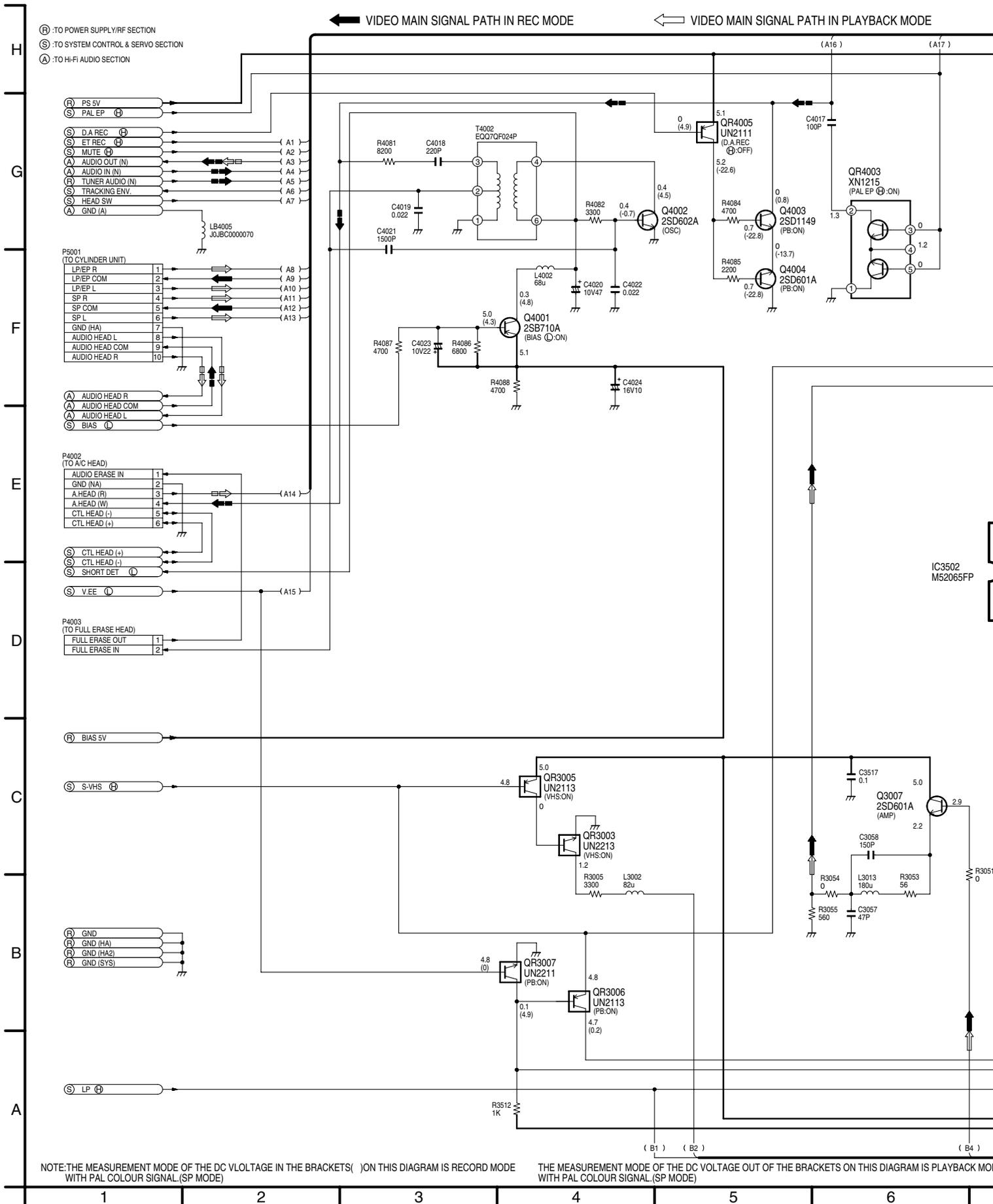
16



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-HS830EG/B/EC/EE
SYSTEM CONTROL & SERVO
SECTION SCHEMATIC DIAGRAM

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

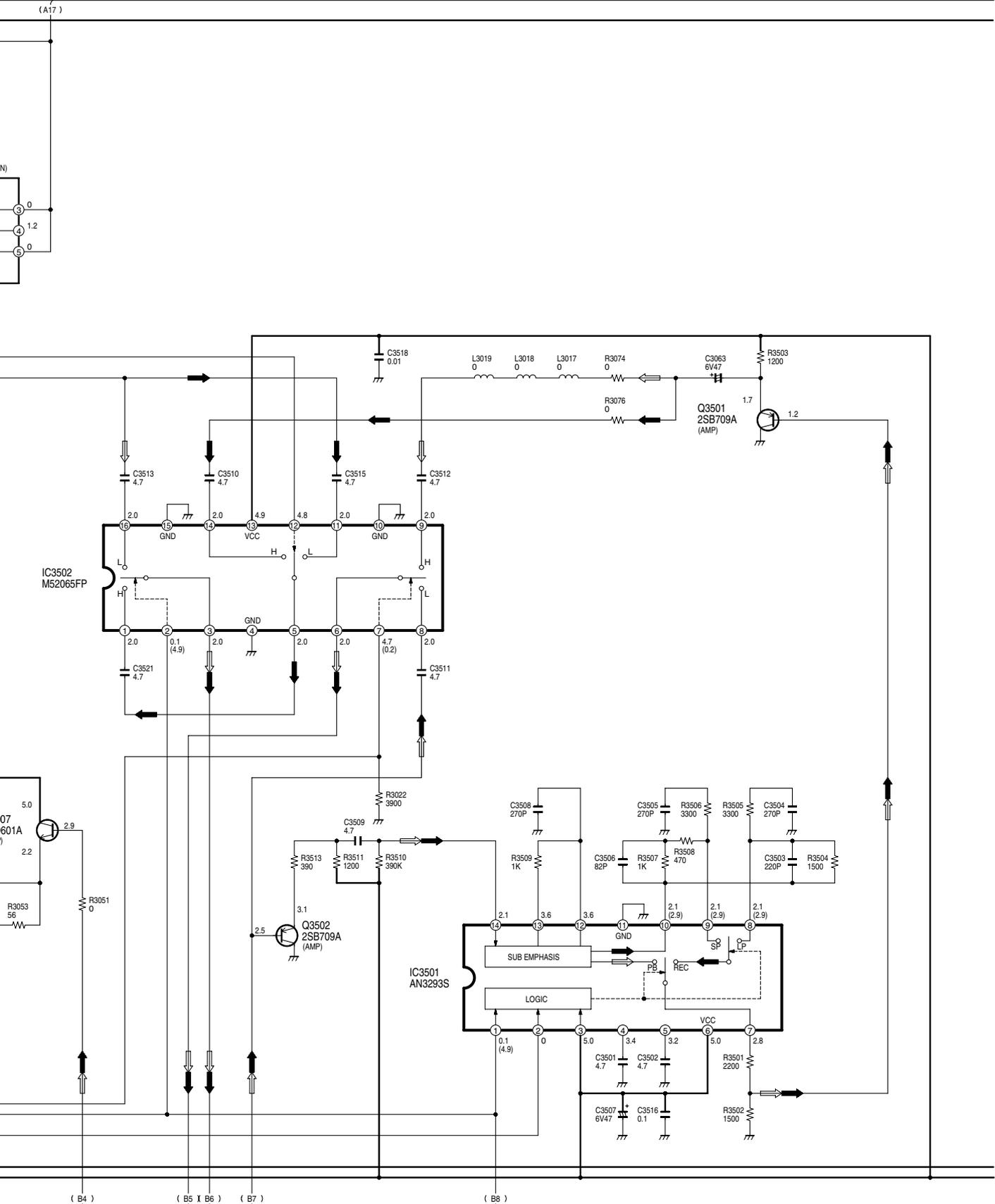


C DIAGRAM

MODE

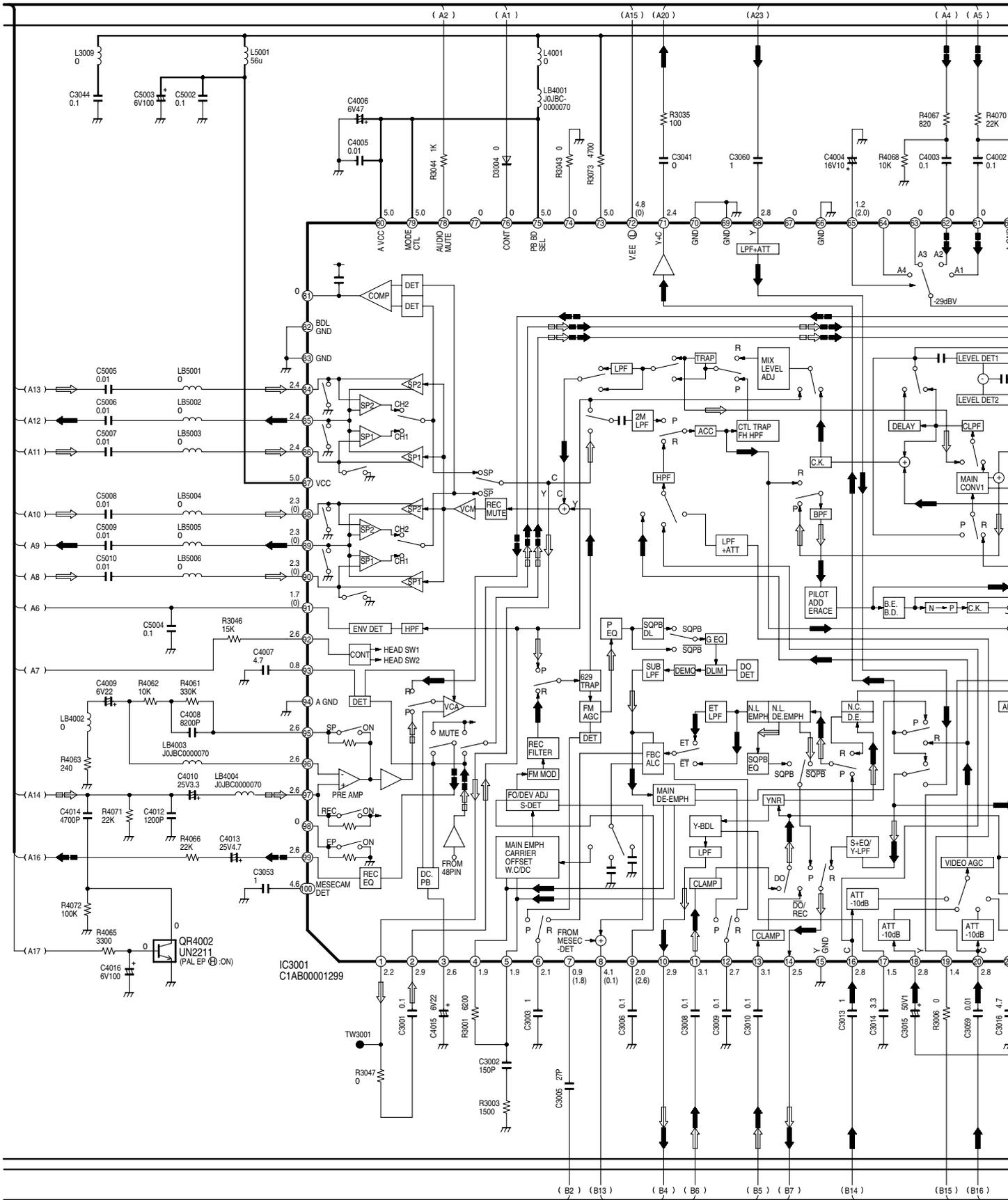
← **■** AUDIO MAIN SIGNAL PATH IN REC MODE

← **□** AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE



GRAM IS PLAYBACK MODE

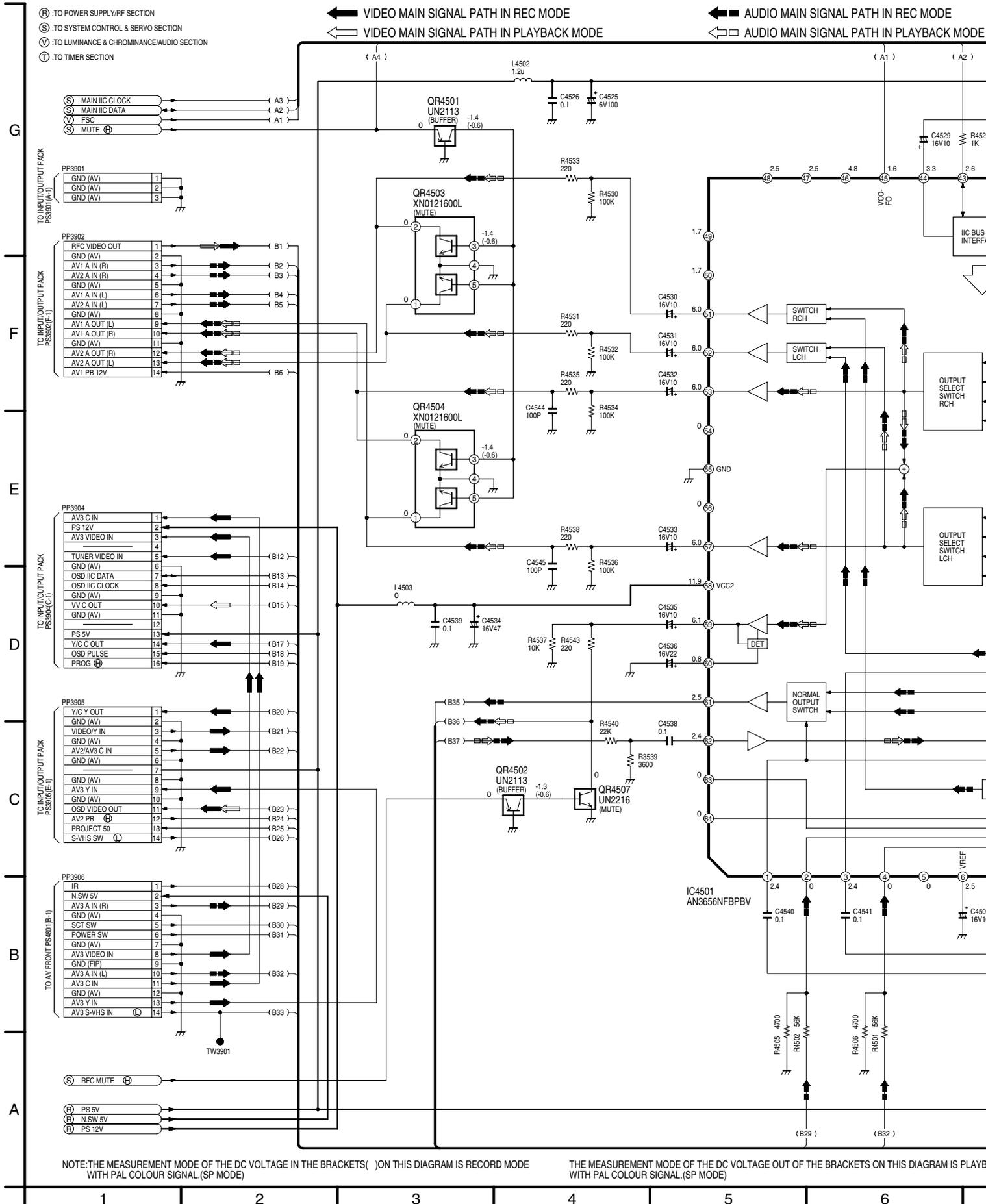
NV-HS830EG/B/EC/EE LUMINANCE & CHROMINANCE/AUDIO SECTION SCHEMATIC DIAGRAM



NV-HS830EG/B/EC/EE LUMINANCE & CHROMINANCE/AUDIO SECTION SCHEMATIC DIAGRAM

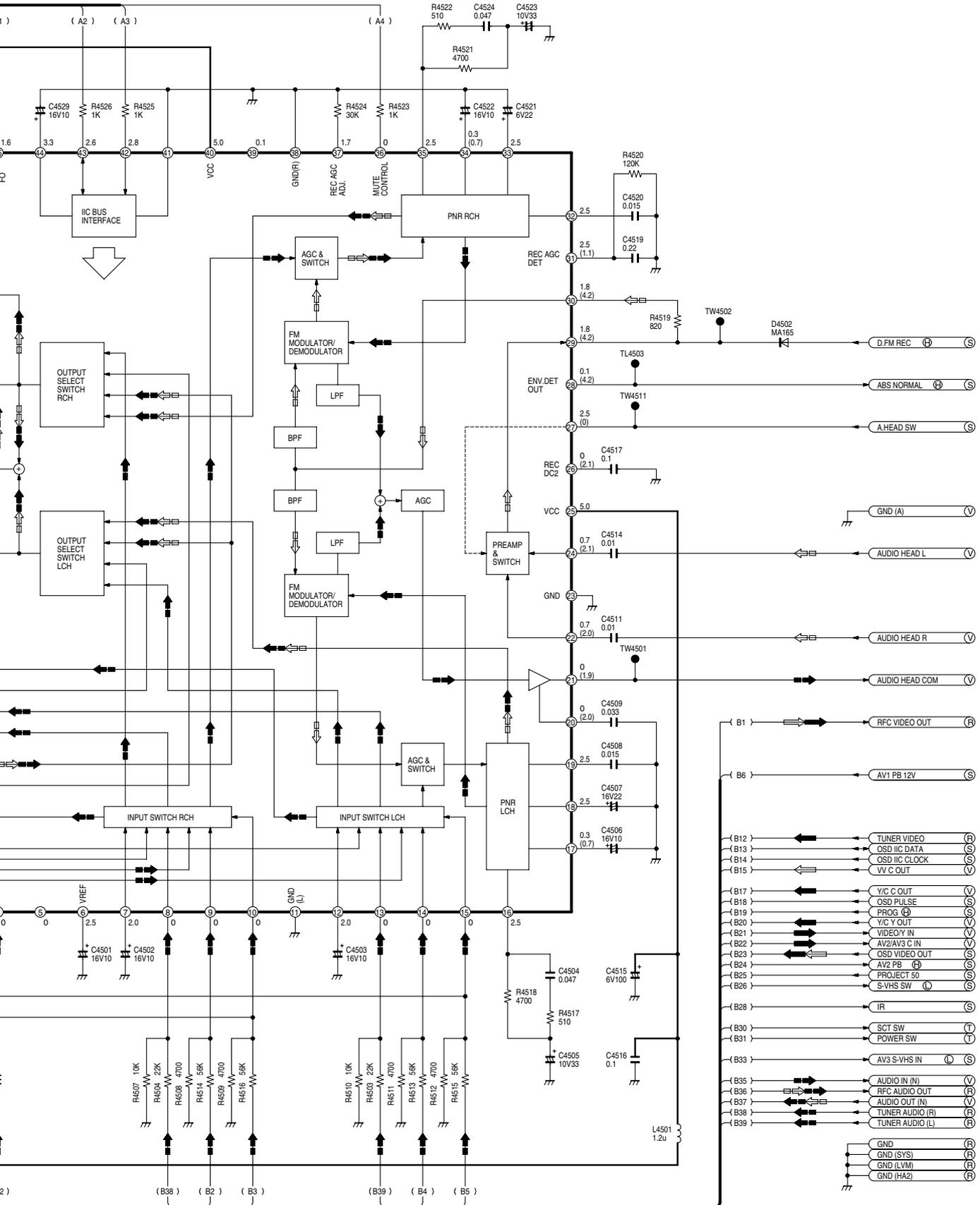
NOTE: DO NOT USE ANY PART NUMBER ORDERING WHEN YOU ORDER

8.6. Hi-Fi AUDIO SECTION IN MAIN SCHEMATIC DIAGRAM



REC MODE

PLAYBACK MODE

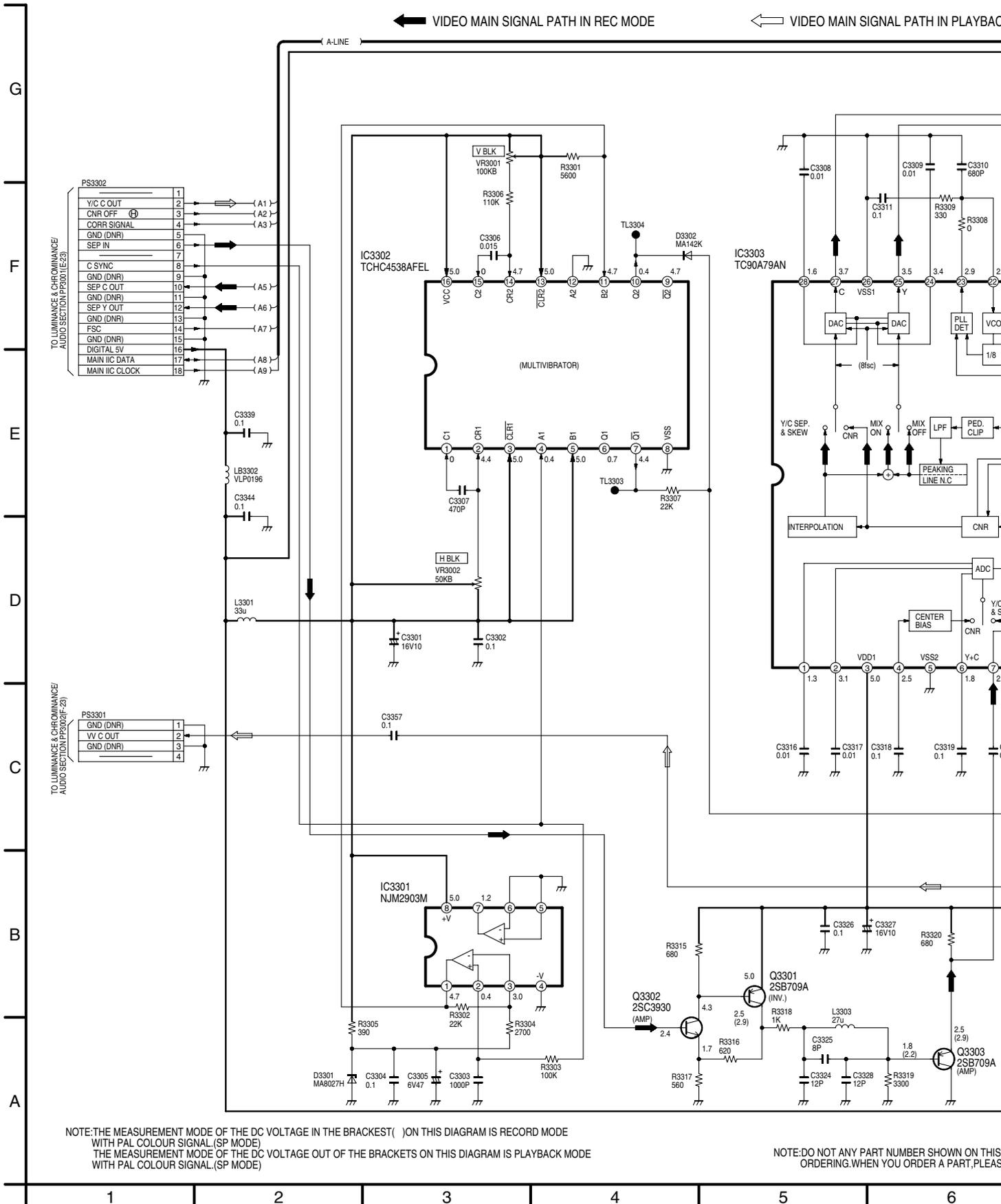


THIS DIAGRAM IS PLAYBACK MODE

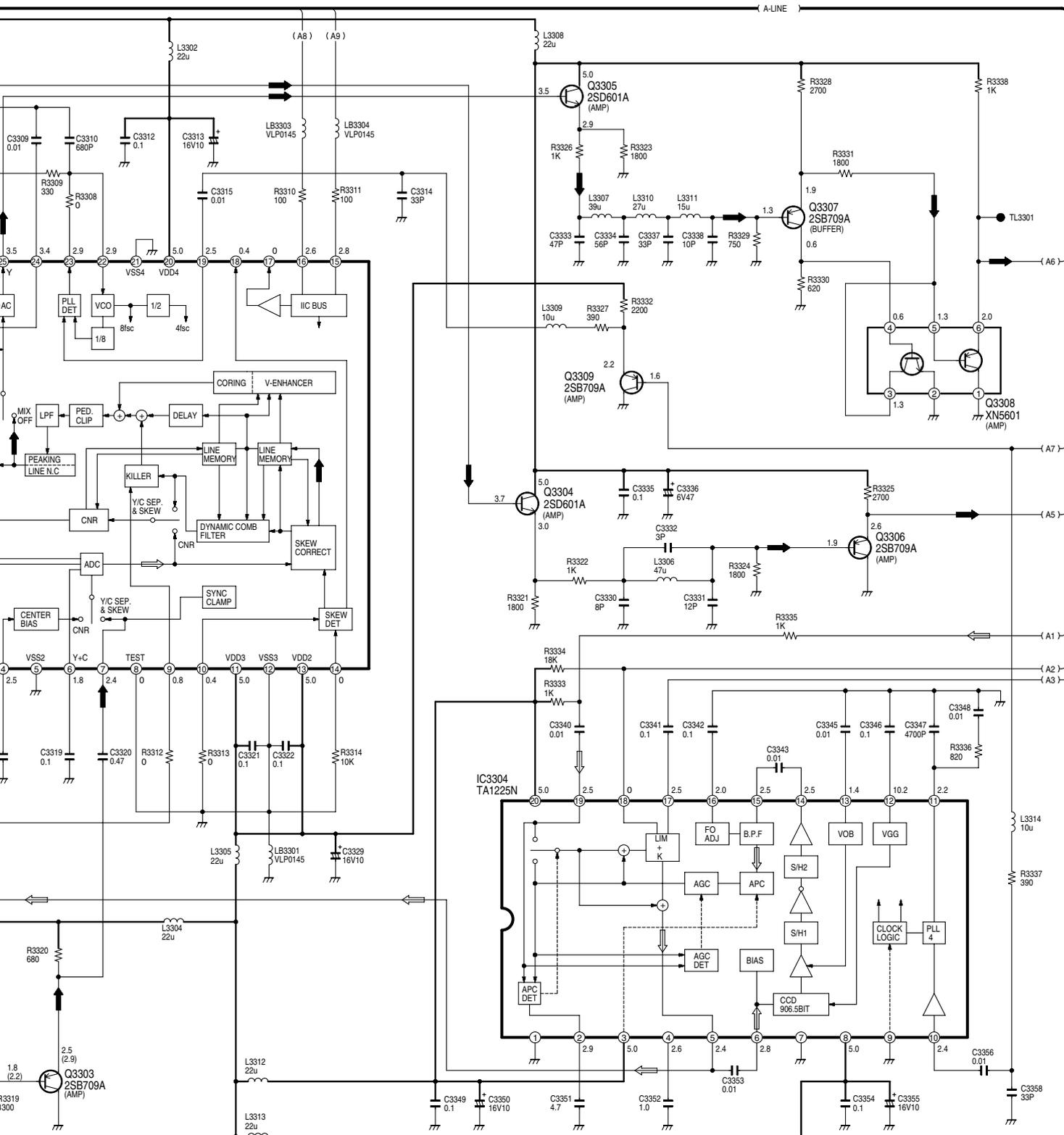
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NV-HS830EG/B/EC/EE
Hi-Fi AUDIO SECTION SCHEMATIC DIAGRAM

8.7. Y/C SEPARATION PACK SCHEMATIC DIAGRAM



L PATH IN PLAYBACK MODE

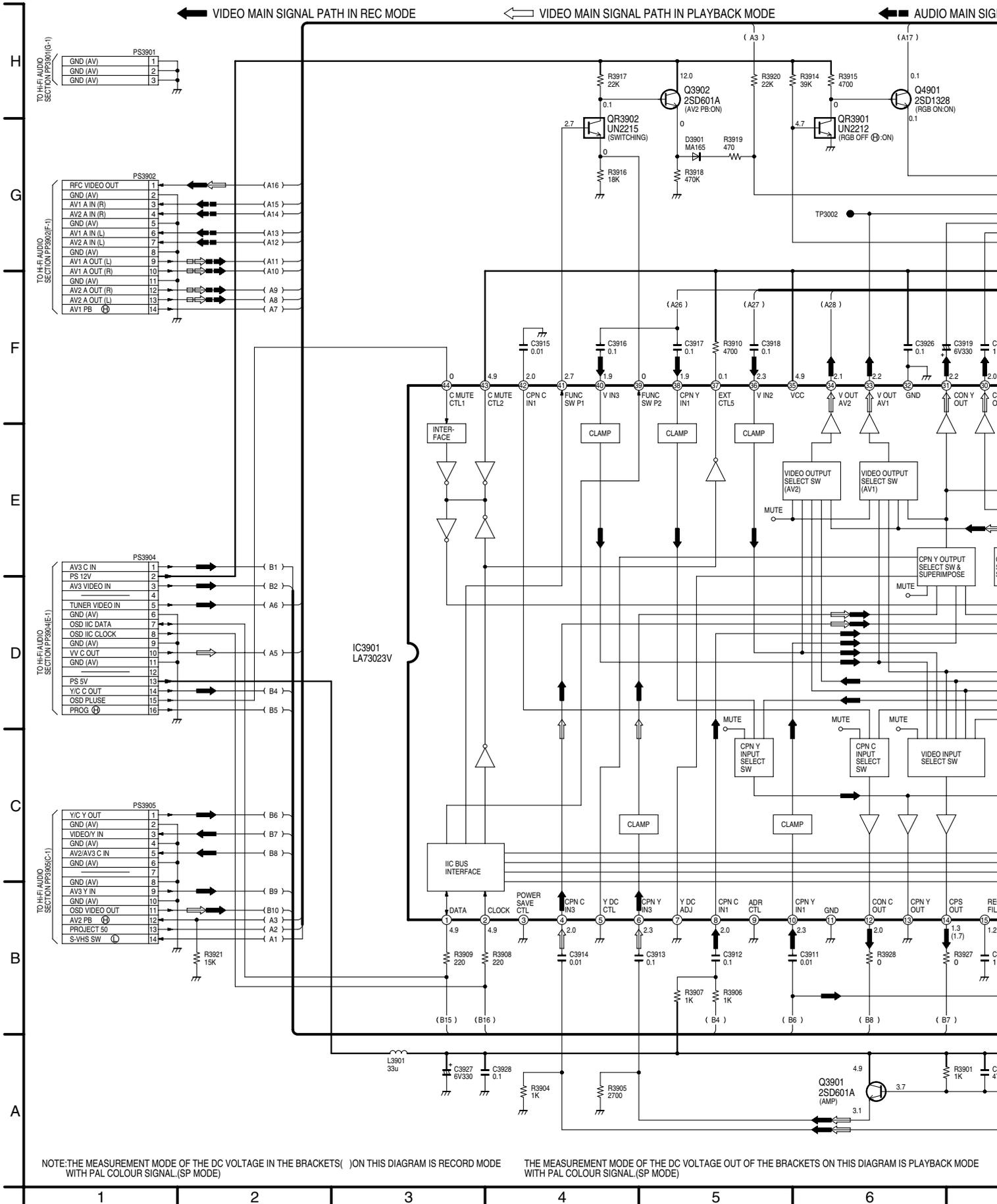


NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NV-HS830EG/B/EC/EE Y/C SEPARATION PACK SCHEMATIC DIAGRAM

6 7 8 9 10 11

8.8. INPUT/ OUTPUT PACK SCHEMATIC DIAGRAM

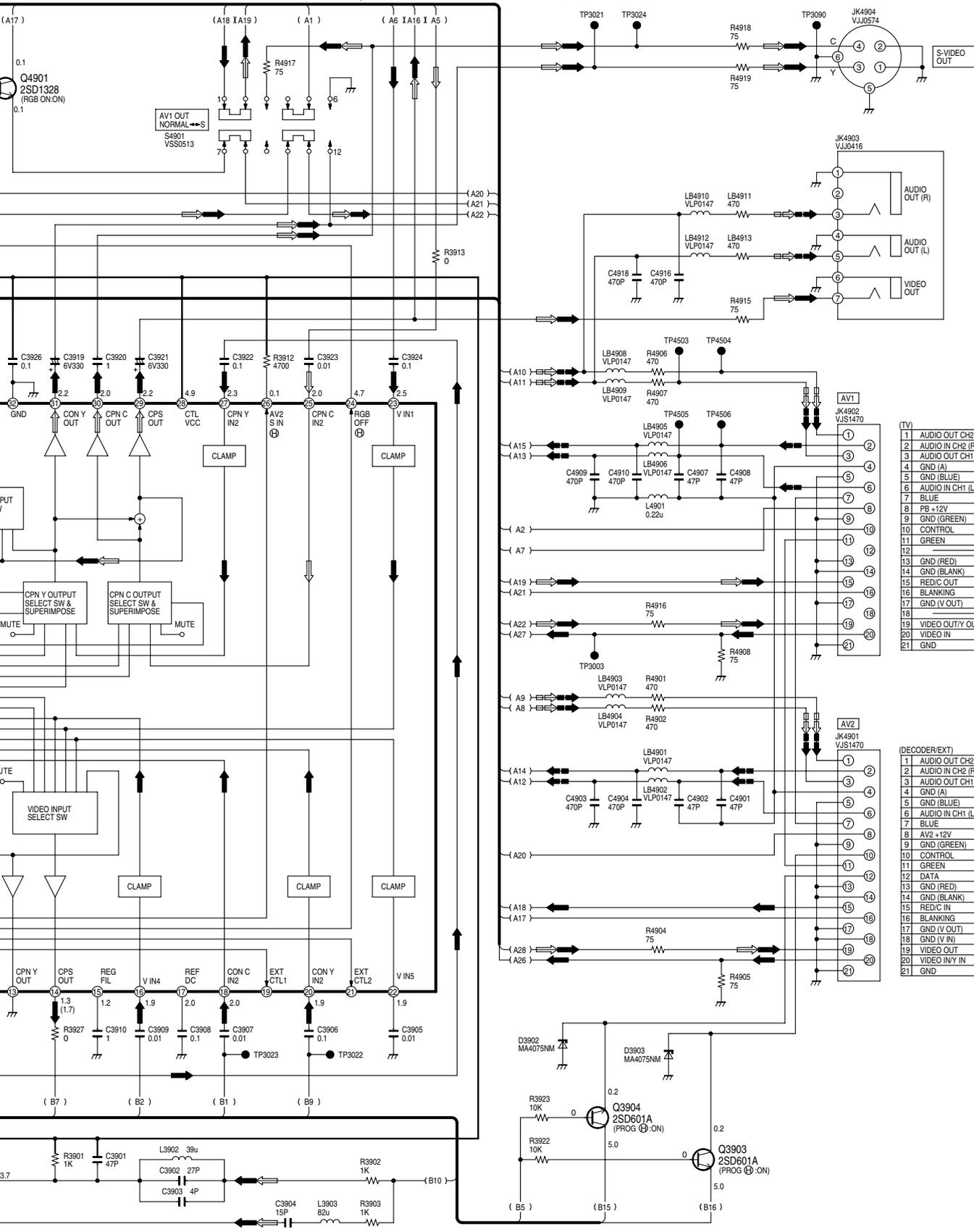


NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS() ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL.(SP MODE)

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

■ AUDIO MAIN SIGNAL PATH IN REC MODE

◀ □ AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE



(TV)

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	
13	GND (RED)
14	GND (BLANK)
15	RED/C OUT
16	BLANKING
17	GND (V OUT)
18	
19	VIDEO OUT/Y OUT
20	VIDEO IN
21	GND

(DECODER/EXT)

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

IS PLAYBACK MODE

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

NV-HS830EG/B/EC/EE

INPUT/OUTPUT PACK SCHEMATIC DIAGRAM

7

8

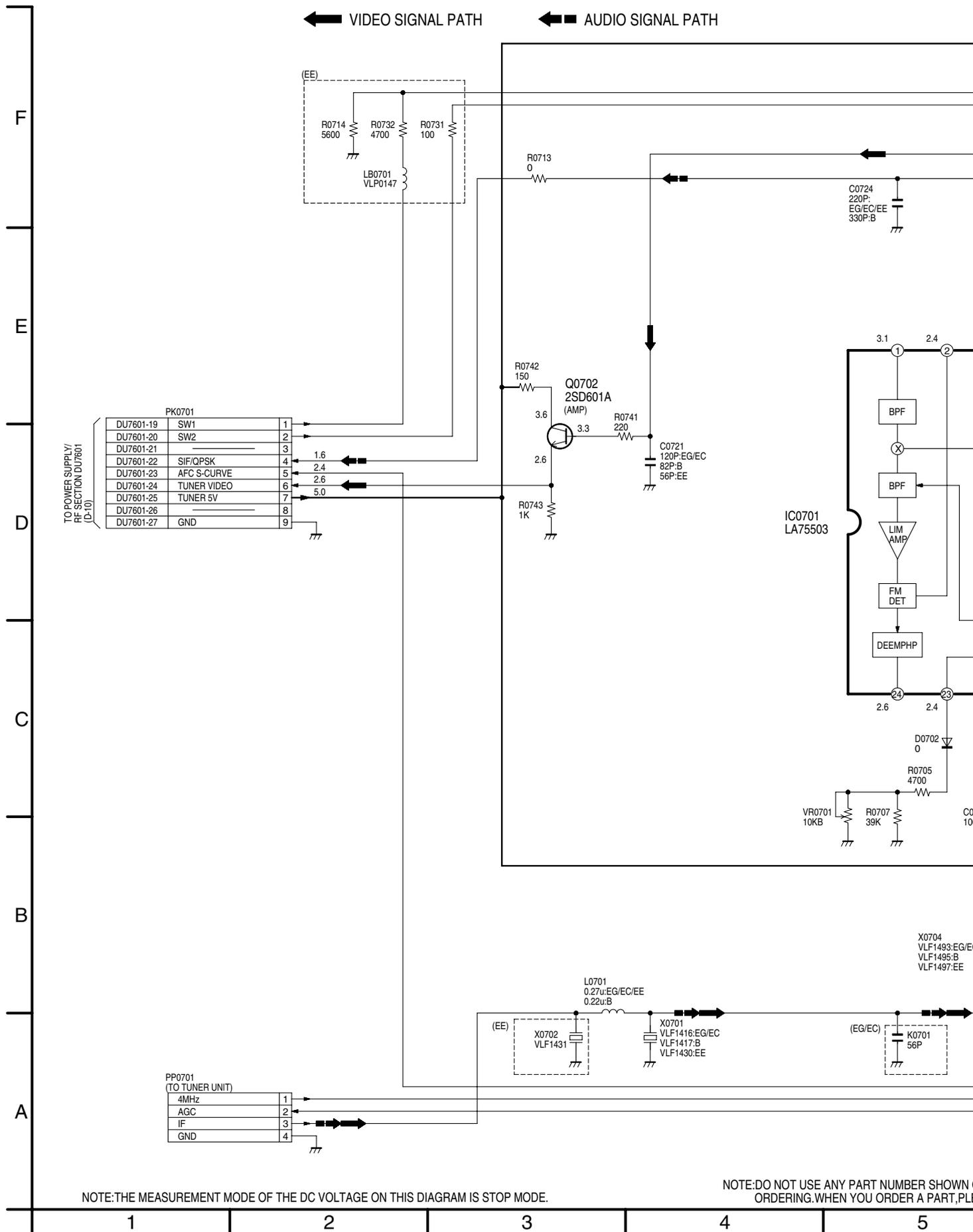
9

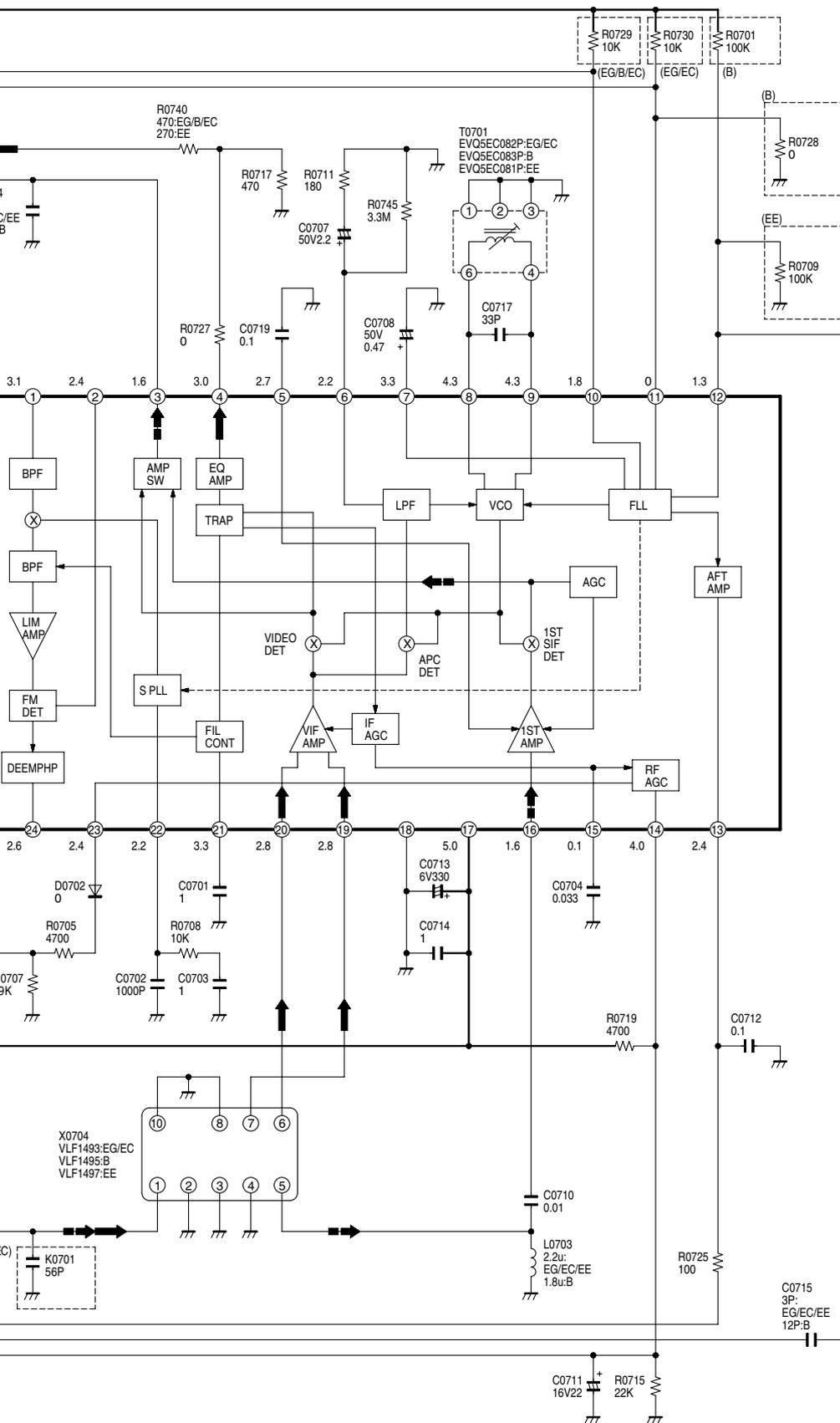
10

11

12

8.9. TV DEMODULATOR PACK SCHEMATIC DIAGRAM



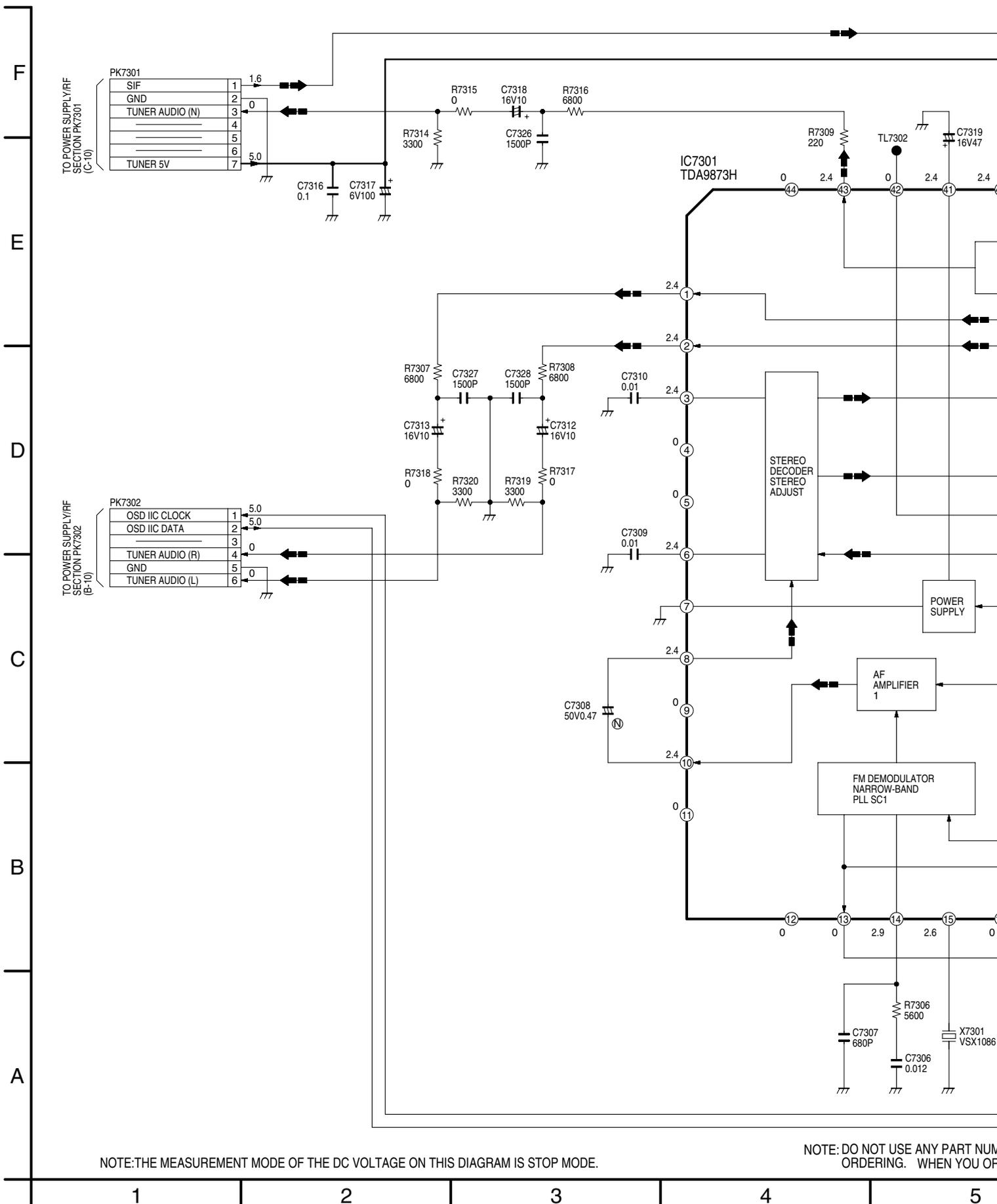


IF NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDER A PART, PLEASE REFER TO PARTS LIST.

NV-HS830EG/B/EC/EE
TV DEMODULATOR PACK SCHEMATIC DIAGRAM

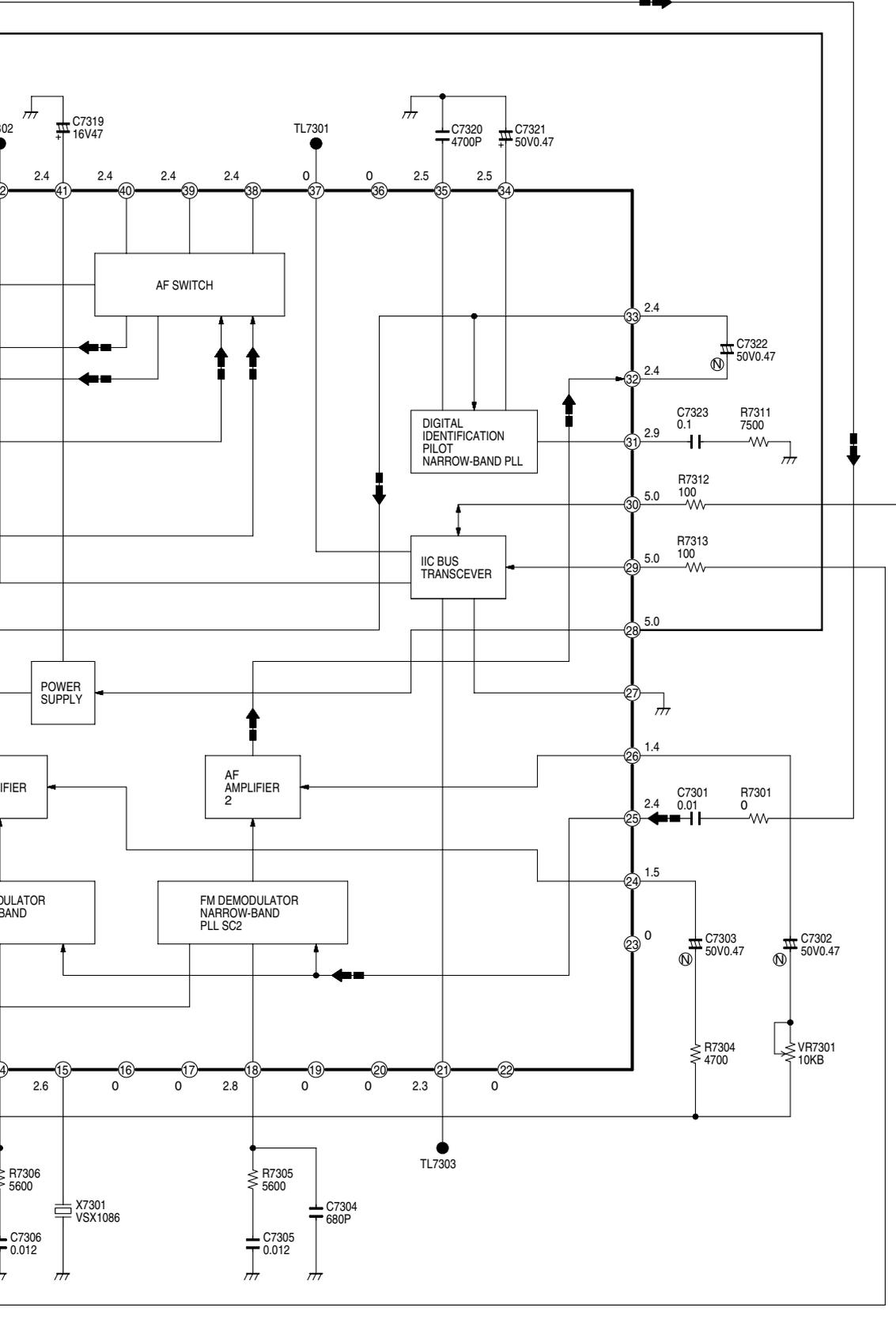
5 | 6 | 7 | 8

8.10. DECODER PACK SCHEMATIC DIAGRAM (NV-HS830EG)





← AUDIO SIGNAL PATH



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

NV-HS830EG
DECODER PACK SCHEMATIC DIAGRAM

5

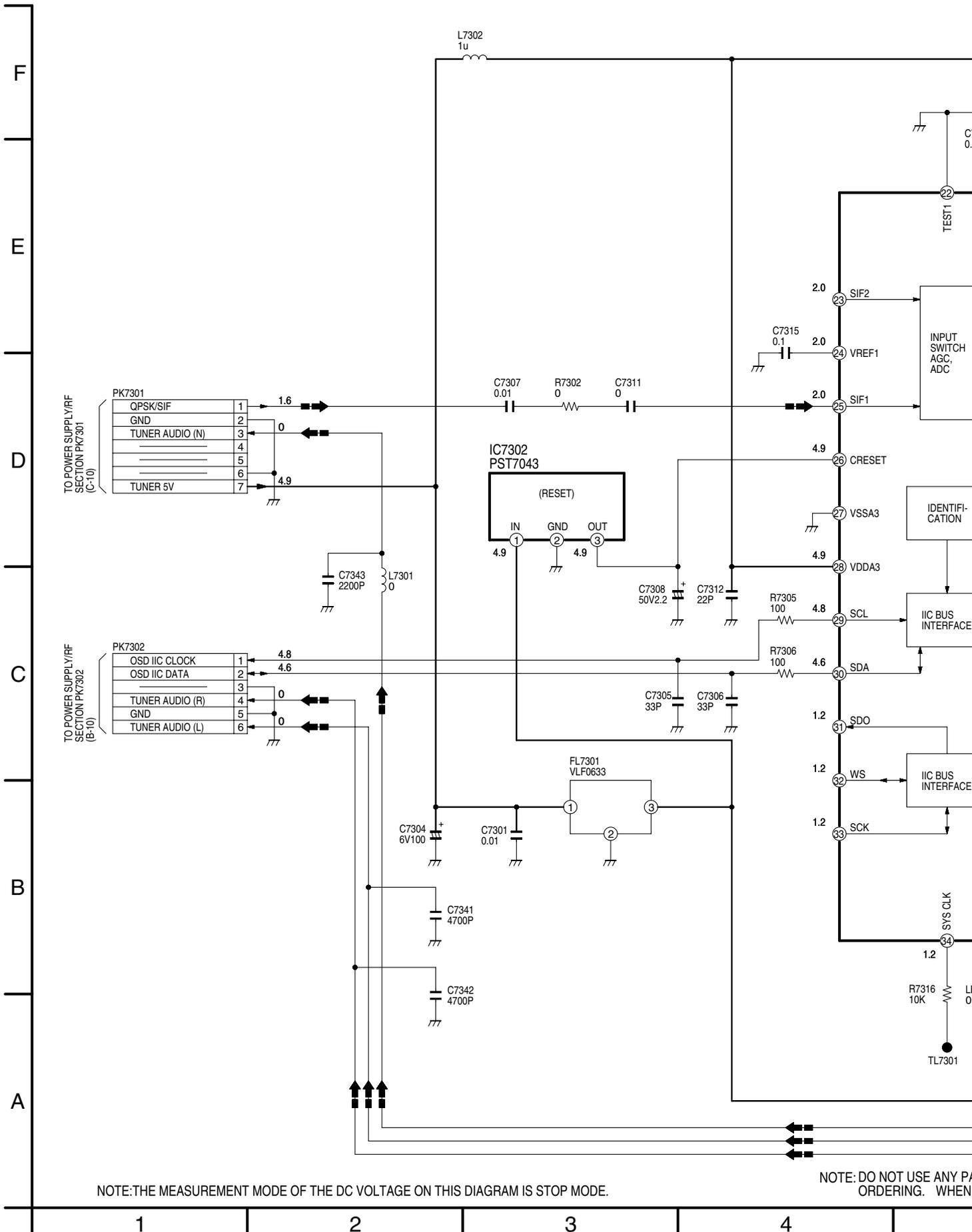
6

7

8

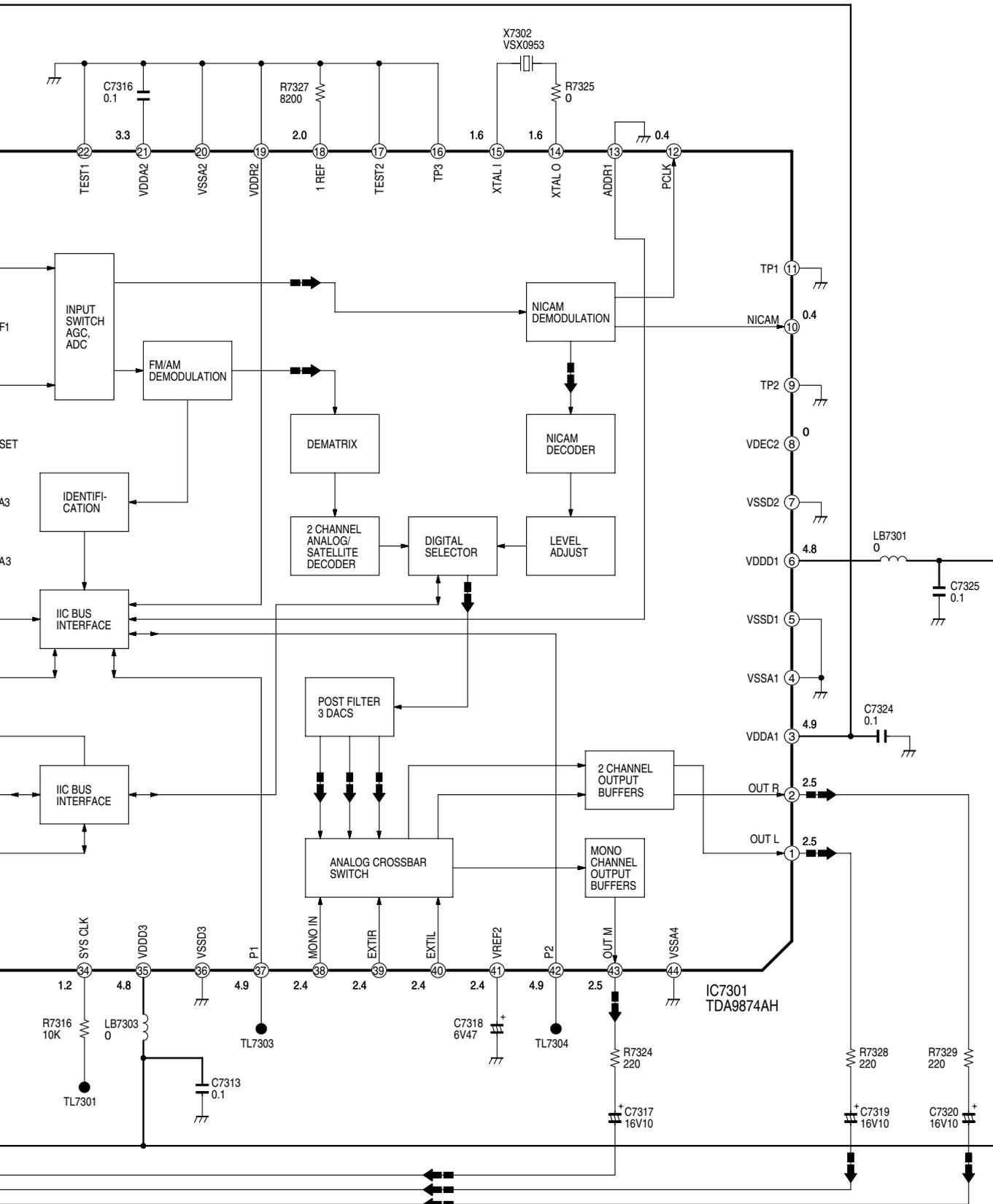


8.11. NICAM DECODER PACK SCHEMATIC DIAGRAM (NV-HS830B/EC/EE)



E)

← AUDIO SIGNAL PATH



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

NV-HS830B/EC/EE
NICAM DECODER PACK SCHEMATIC DIAGRAM

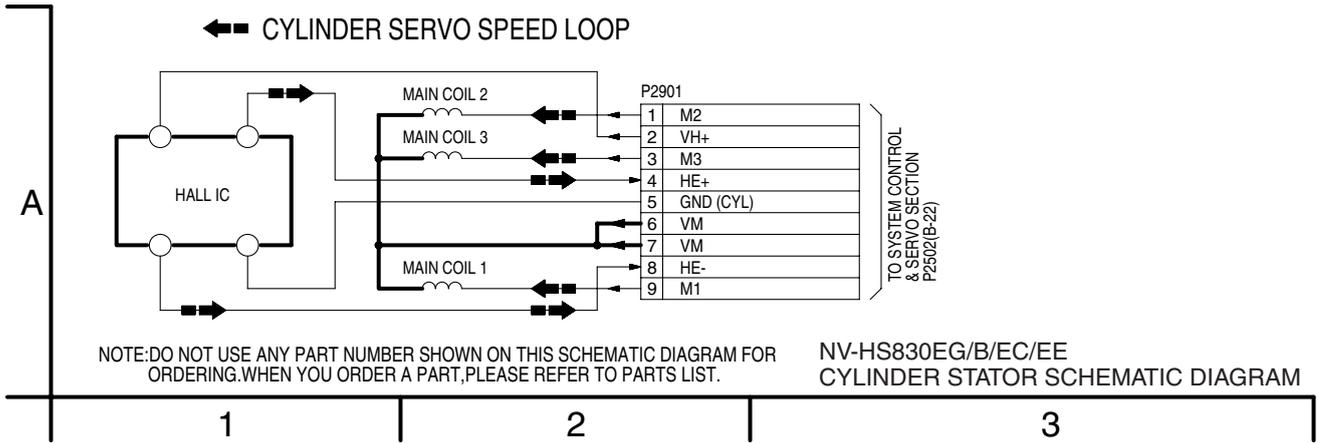
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6

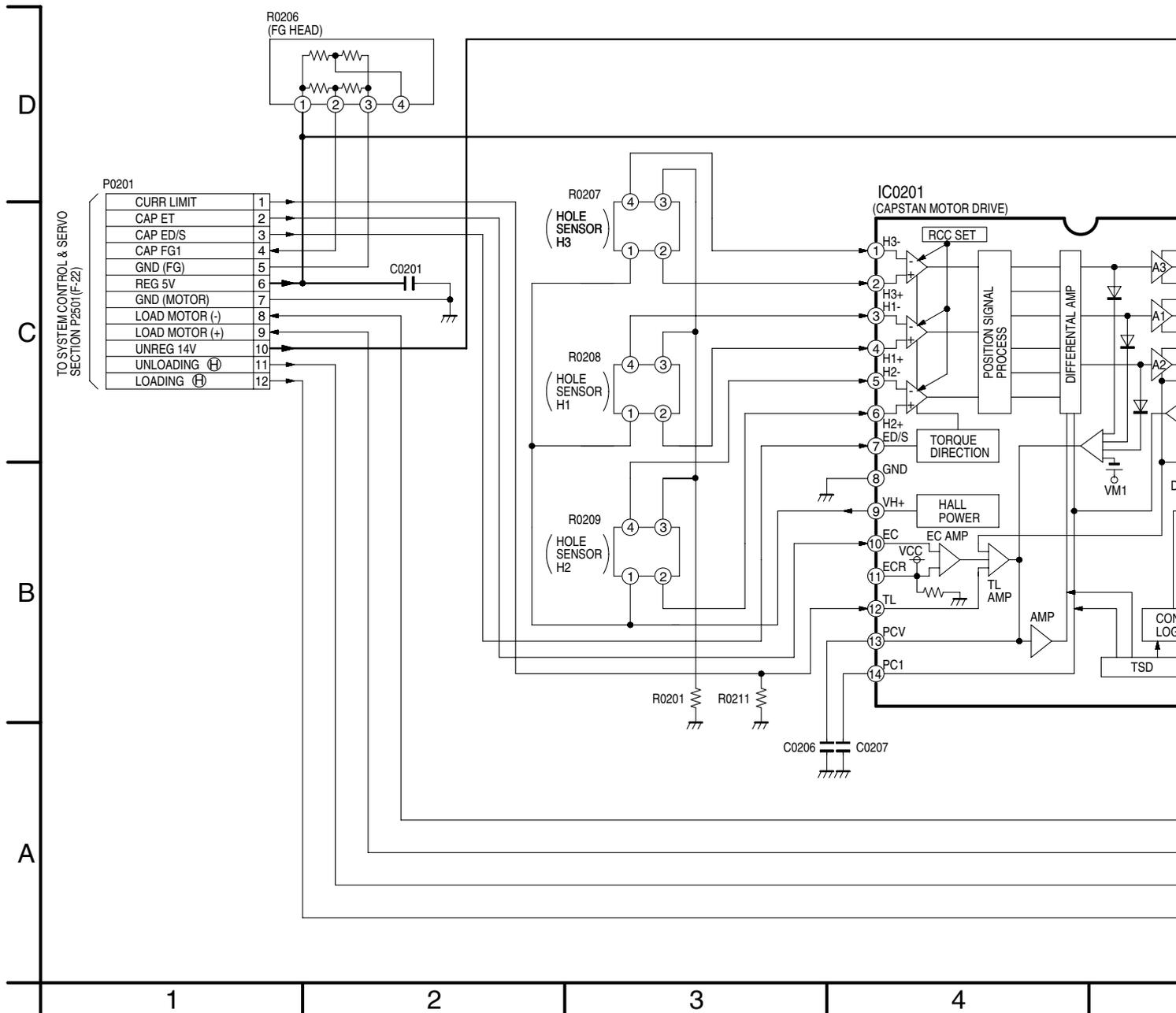
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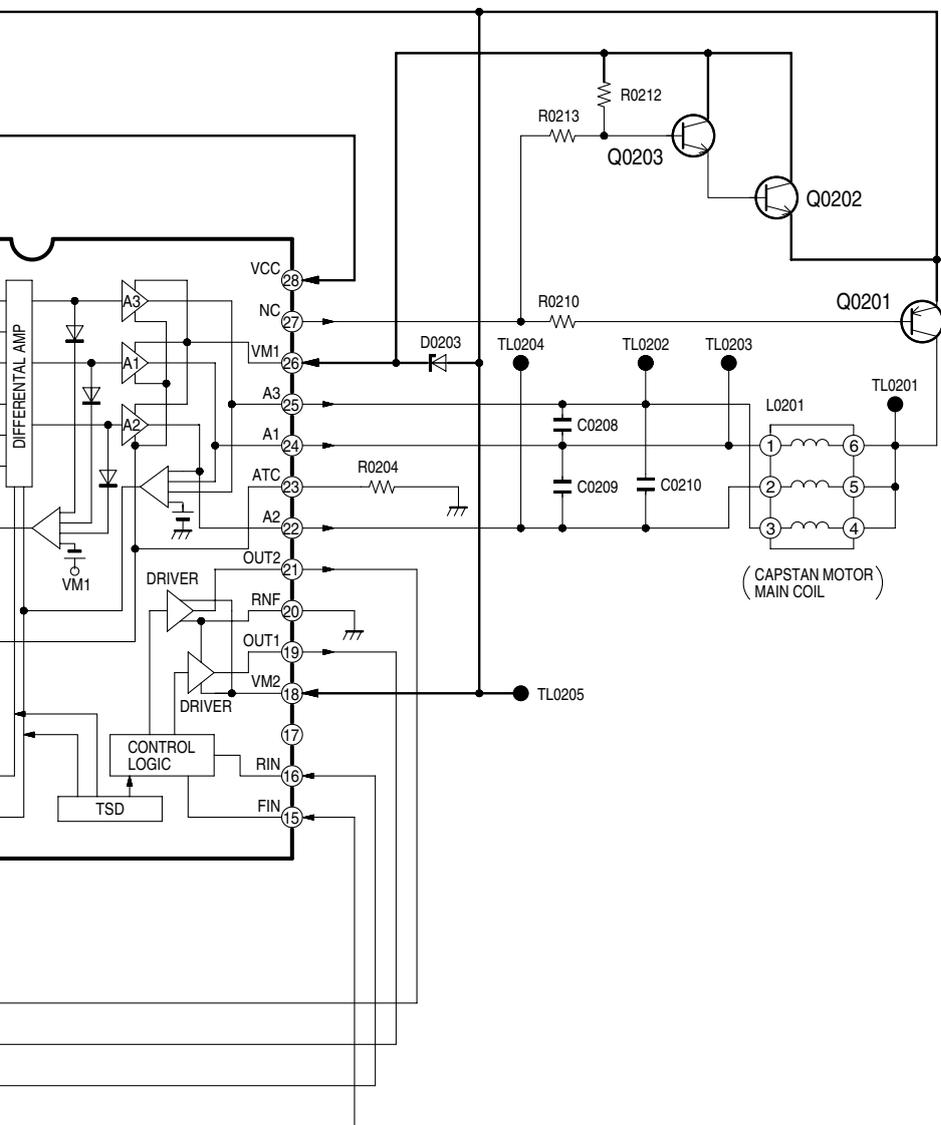
8

8.12. CYLINDER STATOR UNIT SCHEMATIC DIAGRAM



8.13. CAPSTAN UNIT SCHEMATIC DIAGRAM





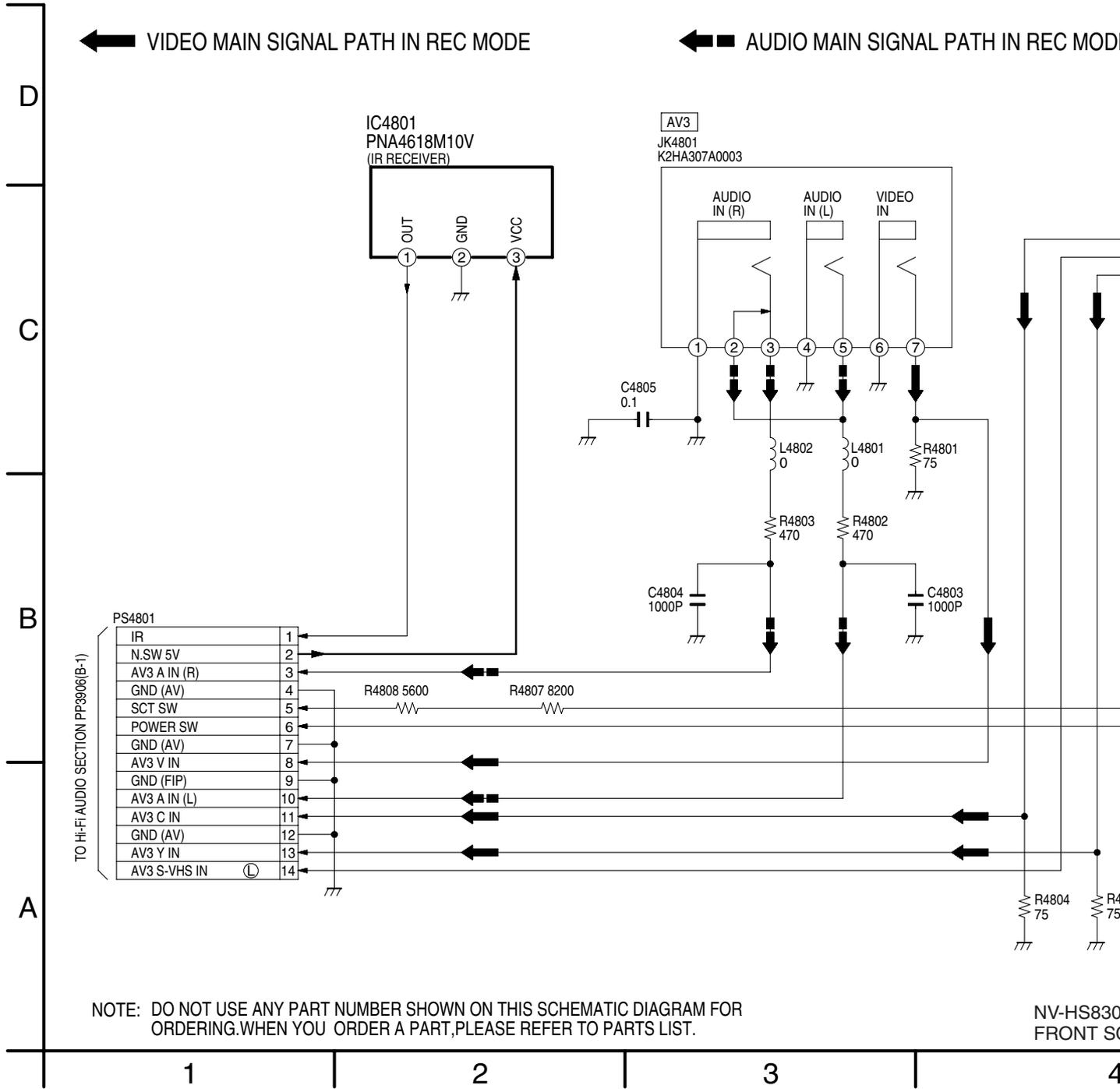
NV-HS830EG/B/EC/EE
CAPSTAN UNIT SCHEMATIC DIAGRAM

5

6

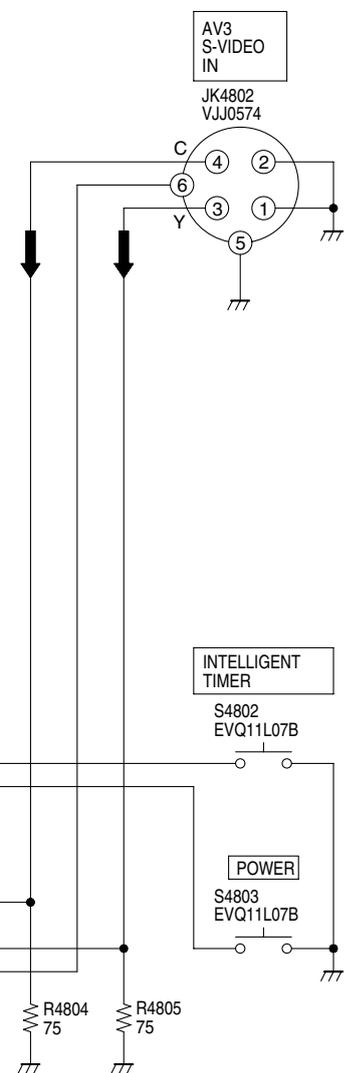
7

8.14. AV FRONT SCHEMATIC DIAGRAM





IN REC MODE



NV-HS830EG/B/EC/EE
FRONT SCHEMATIC DIAGRAM

4