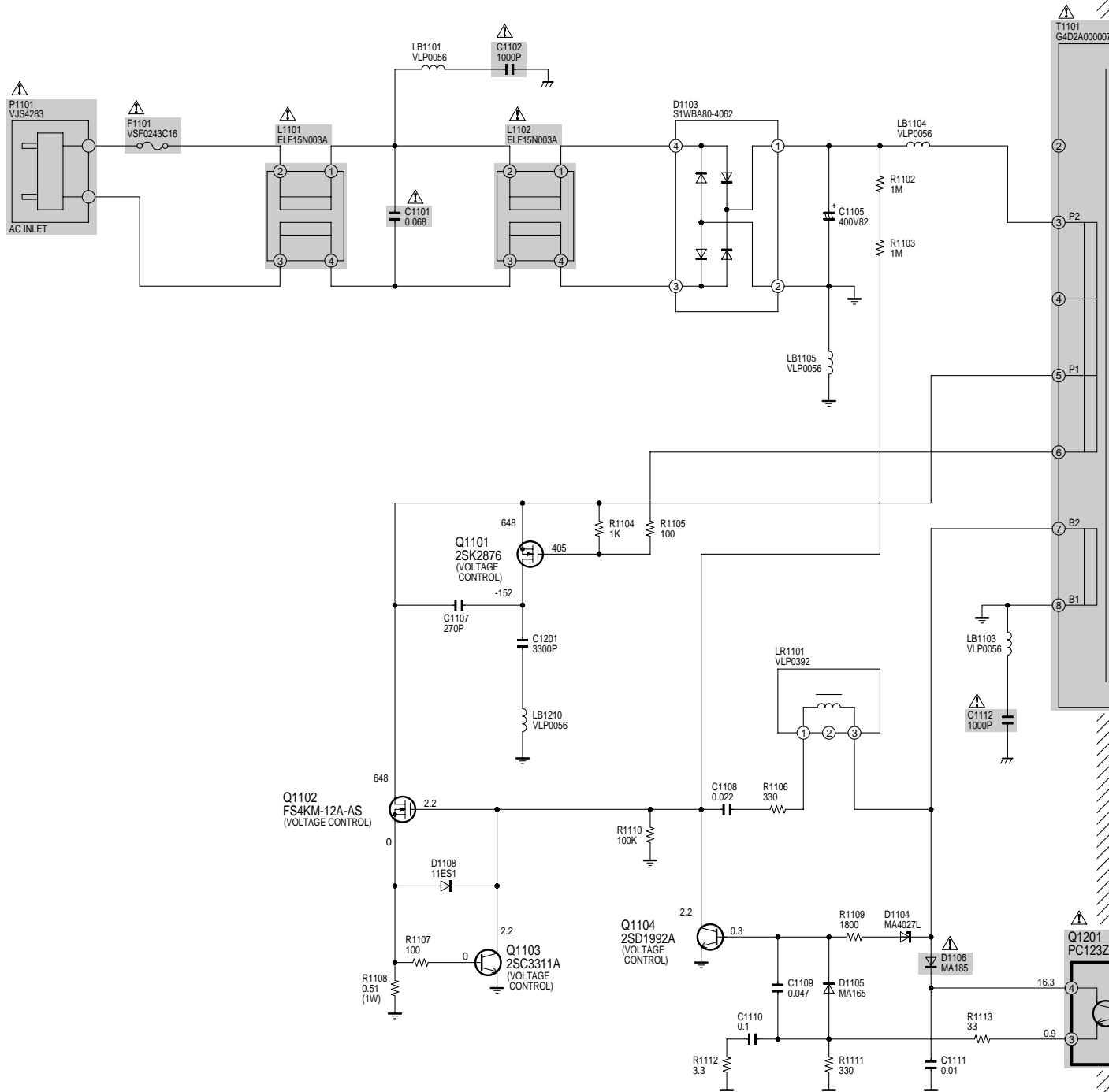




# CAUTION

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.

HOT

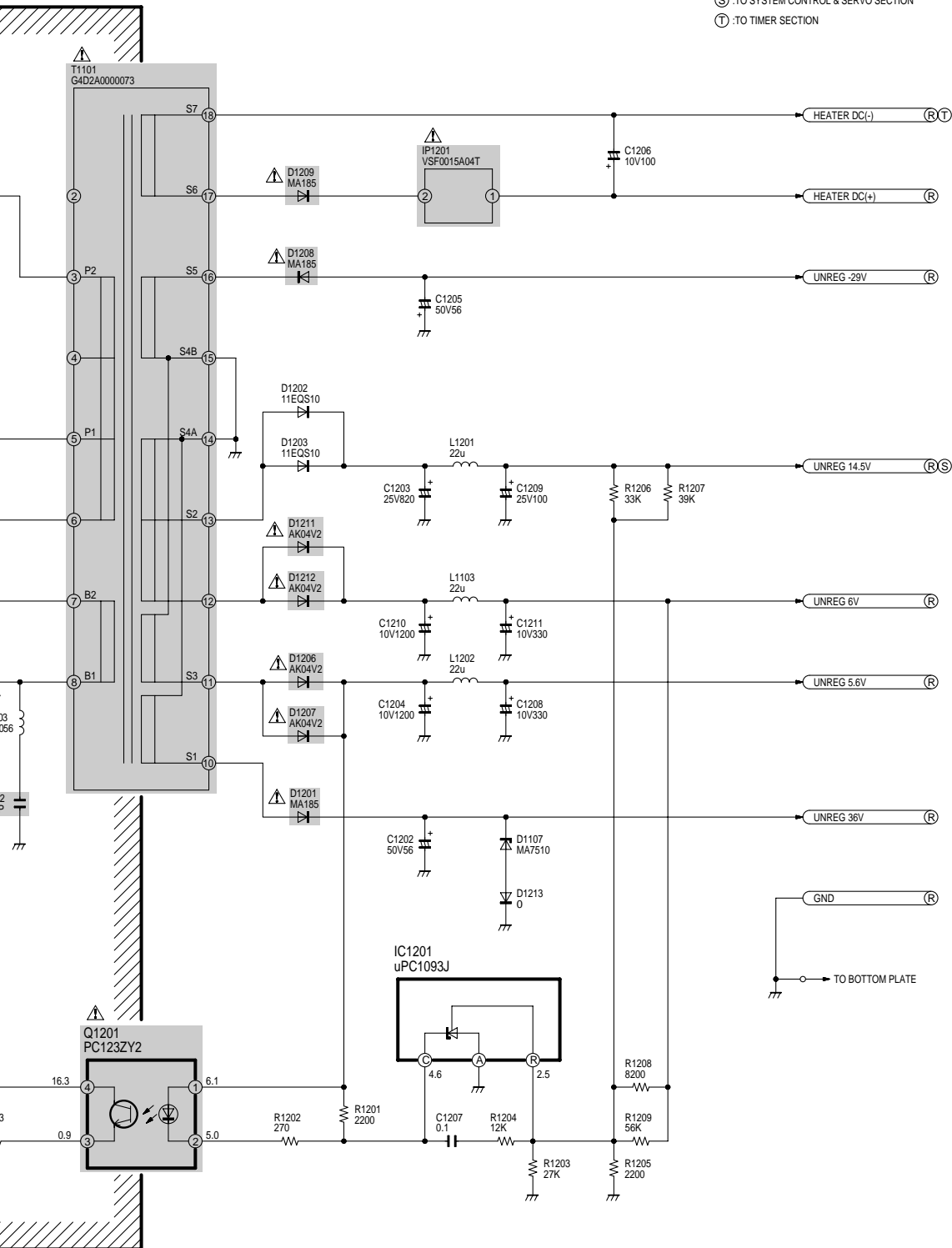


IMPORTANT SAFETY NOTICE:  
COMPONENTS IDENTIFIED WITH THE MARK  HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.  
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

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



NV-HS820EE  
 POWER TRANSFORMER  
 SECTION IN MAIN  
 SCHEMATIC DIAGRAM

WHEN

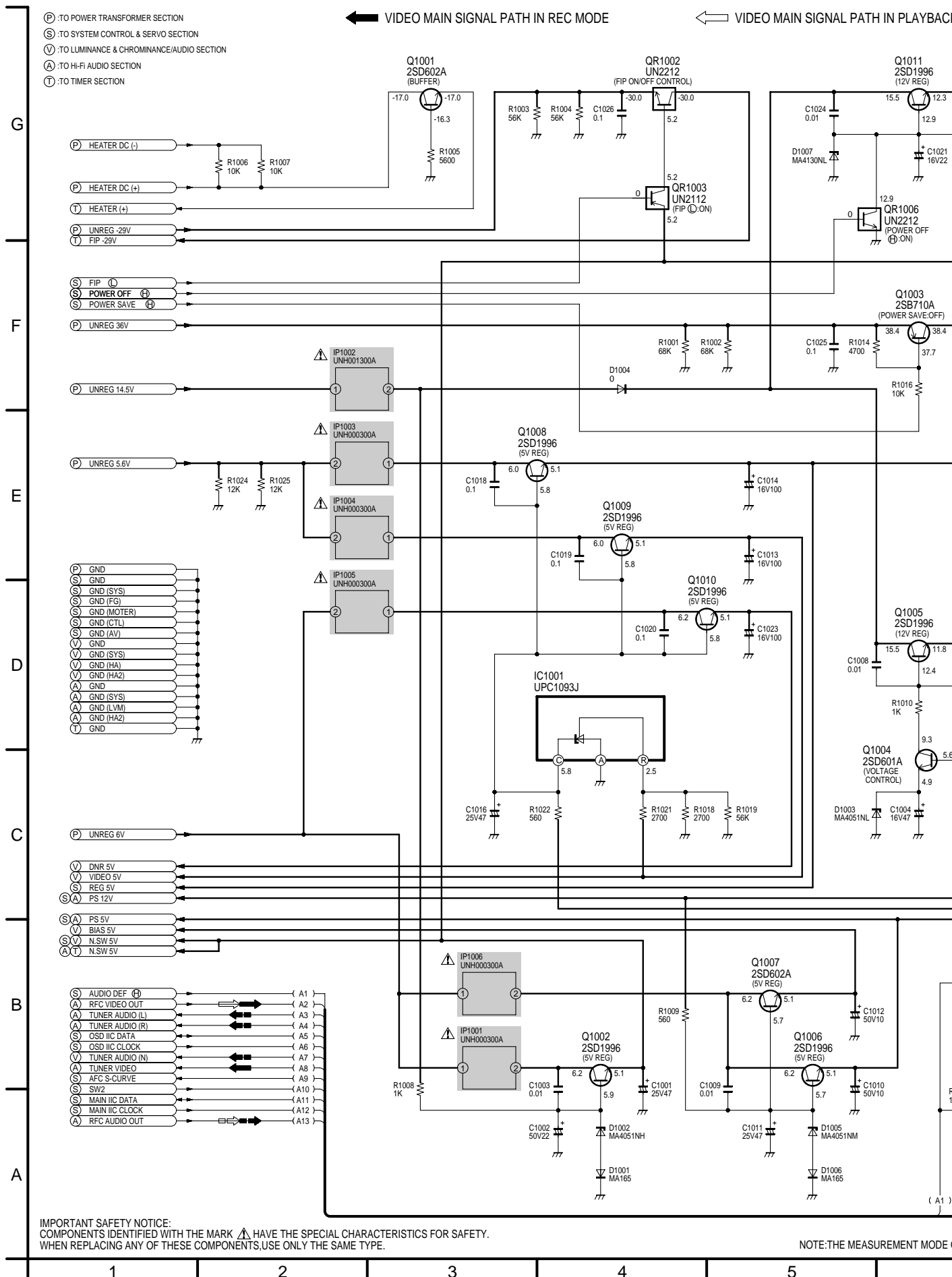
6

7

8

9

10



← □ AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE



NV-HS820EE  
POWER SUPPLY/RF  
SECTION IN MAIN  
SCHEMATIC DIAGRAM

**F**

# E

D

C

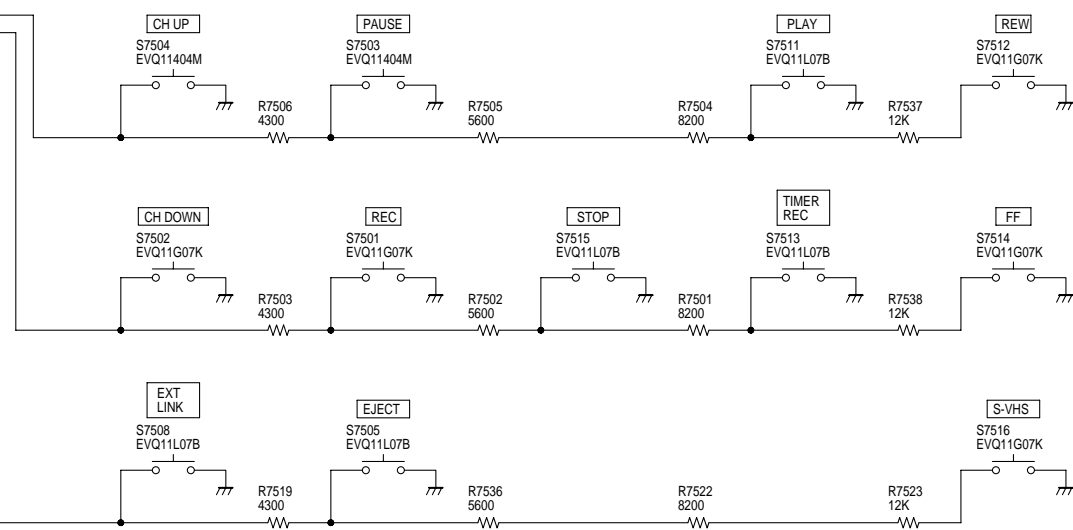
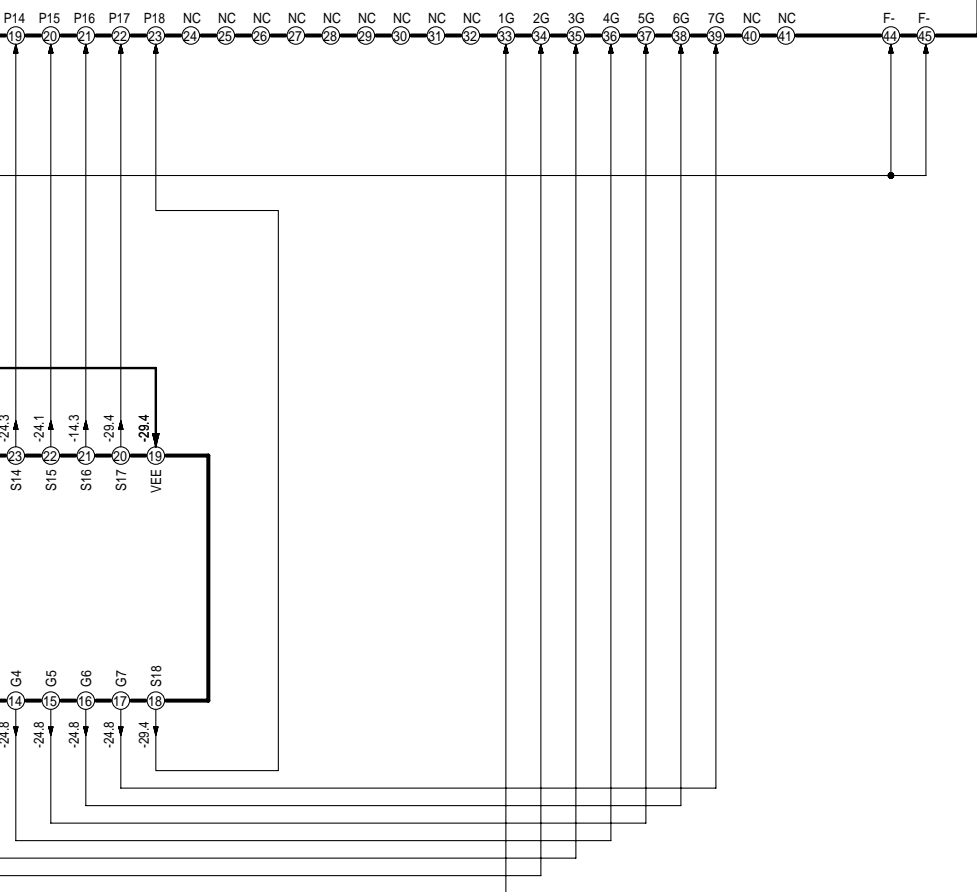
B

A



NOTE:THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

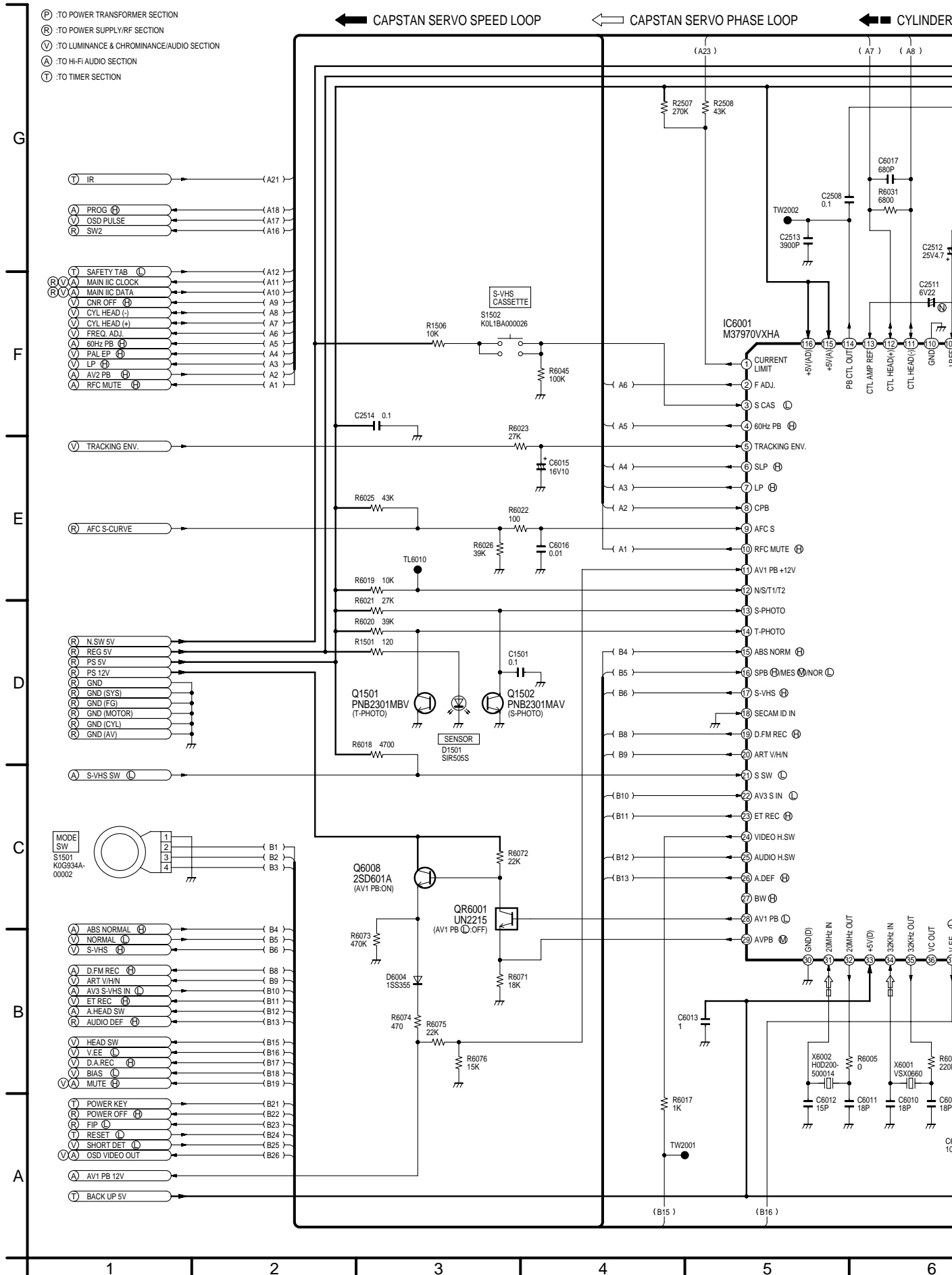
CH STB CVC VP EP SLP SP ON OFF  
REMAIN  
00 00:00 :00



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

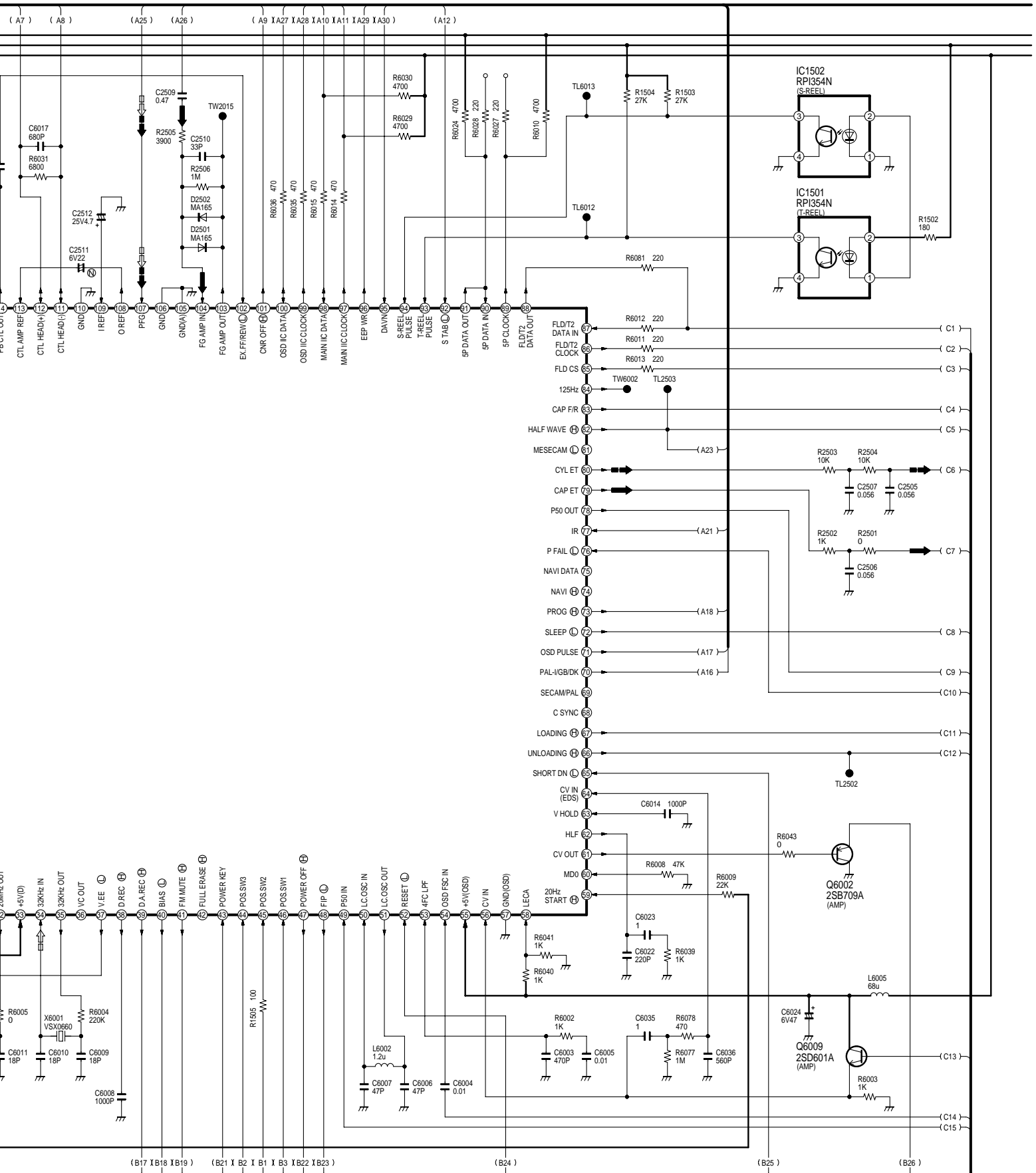
NV-HS820EE  
TIMER SECTION IN MAIN  
SCHEMATIC DIAGRAM

6 7 8 9



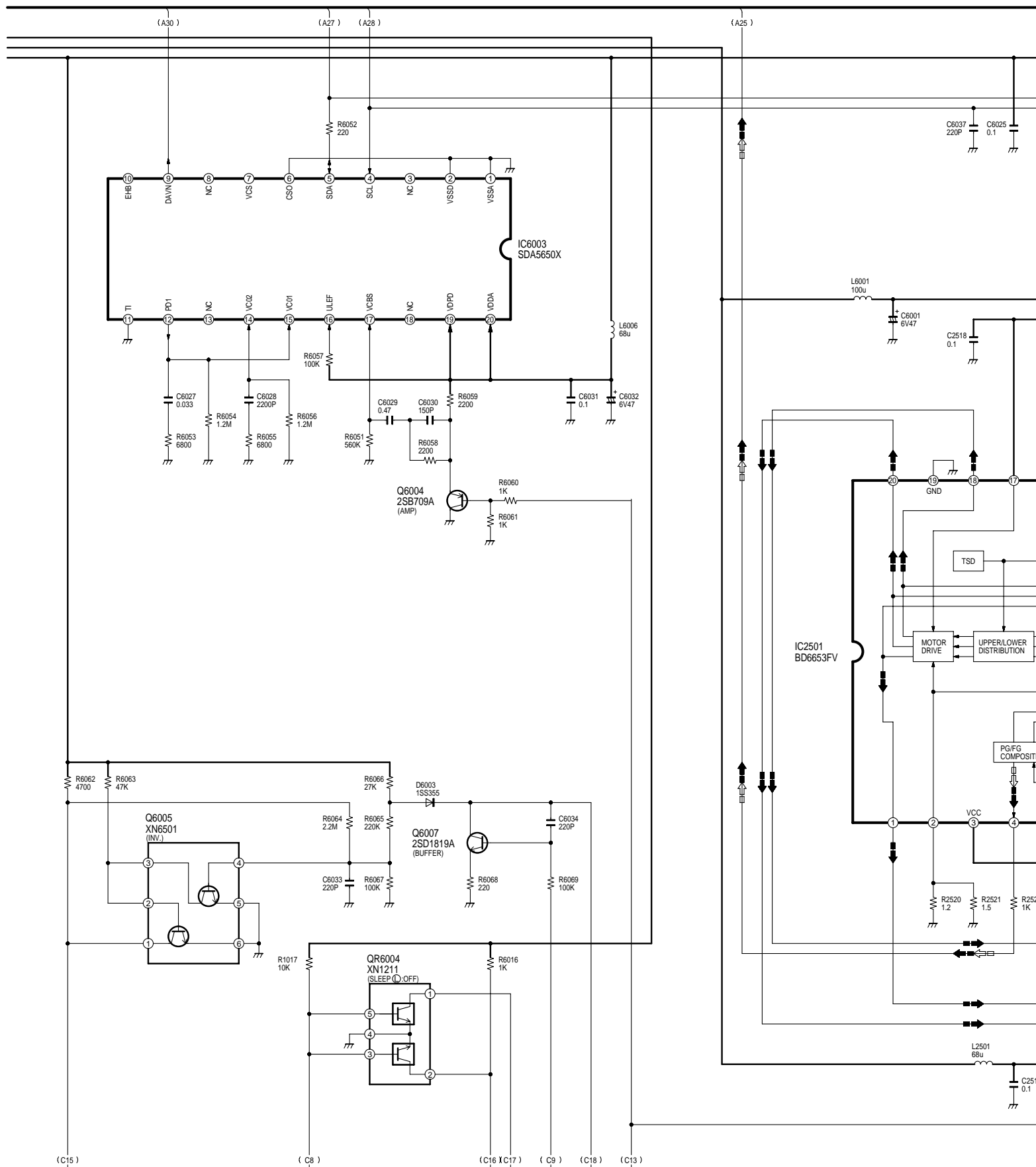
CYLINDER SERVO SPEED LOOP

CYLINDER SERVO PHASE LOOP



NV-HS820EE SYSTEM CONTROL & SERVO SECTION IN MAIN SCHEMATIC DIAGRAM





NV-HS820EE SYSTEM CONTROL & SERVO SECTION IN MAIN SCHEMATIC DIAGRAM

12

13

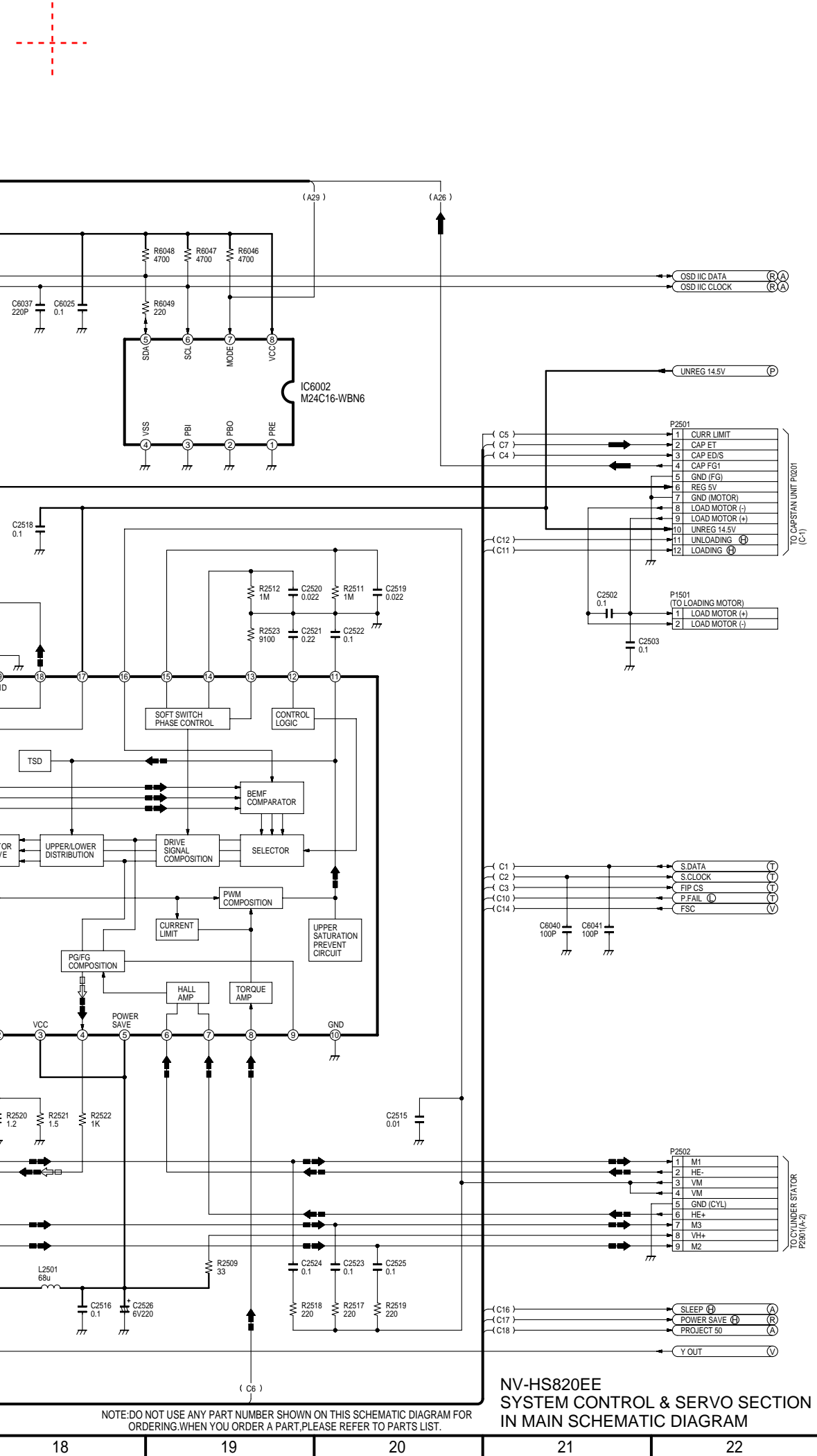
14

15

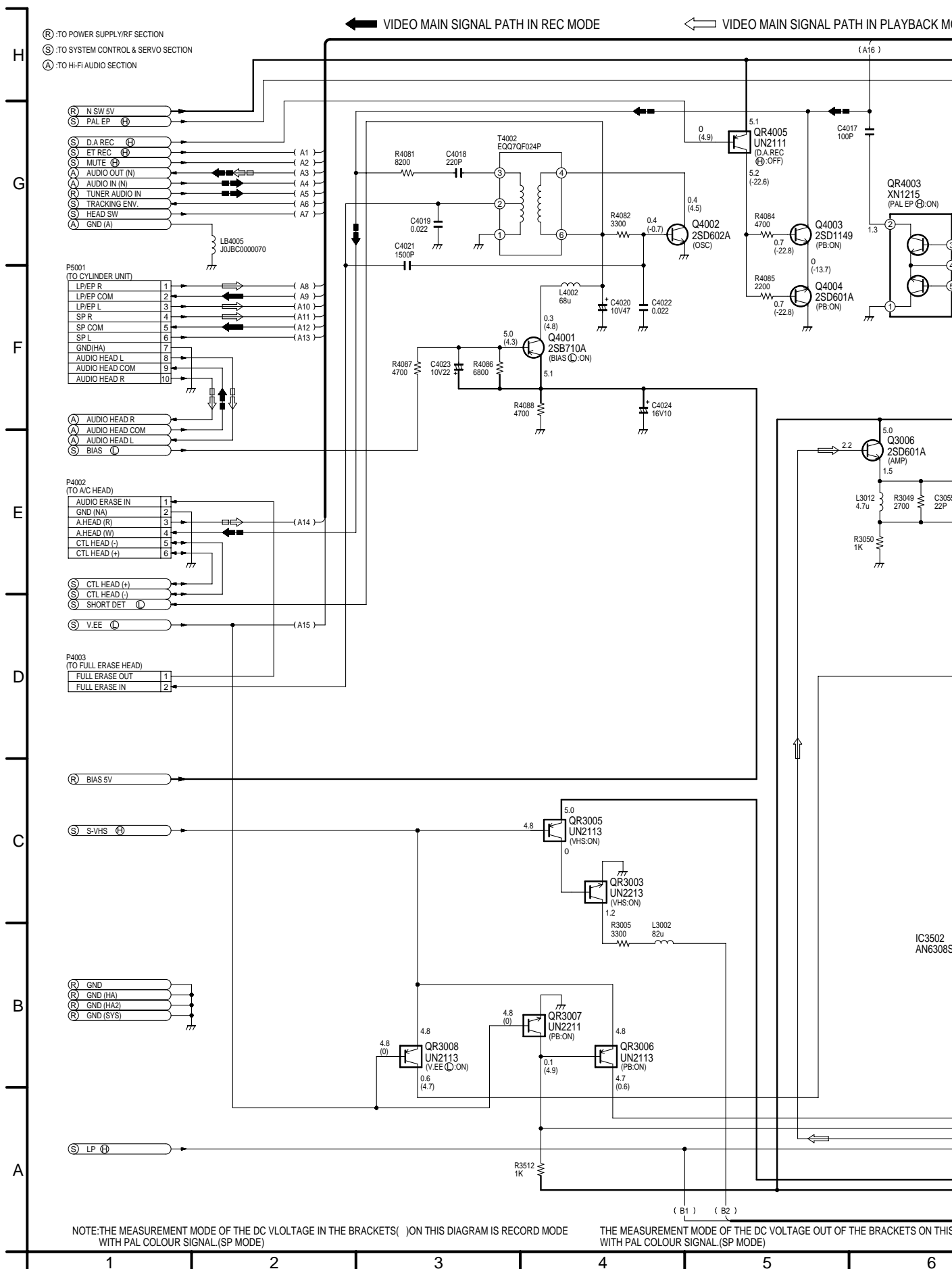
16

17

18



NV-HS820EE  
SYSTEM CONTROL & SERVO SECTION  
IN MAIN SCHEMATIC DIAGRAM



◀◻ AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE

NV-HS820EE LUMINANCE & CHROMINANCE/AUDIO SECTION IN MAIN SCHEMATIC DIAGRAM

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6

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7

8

9

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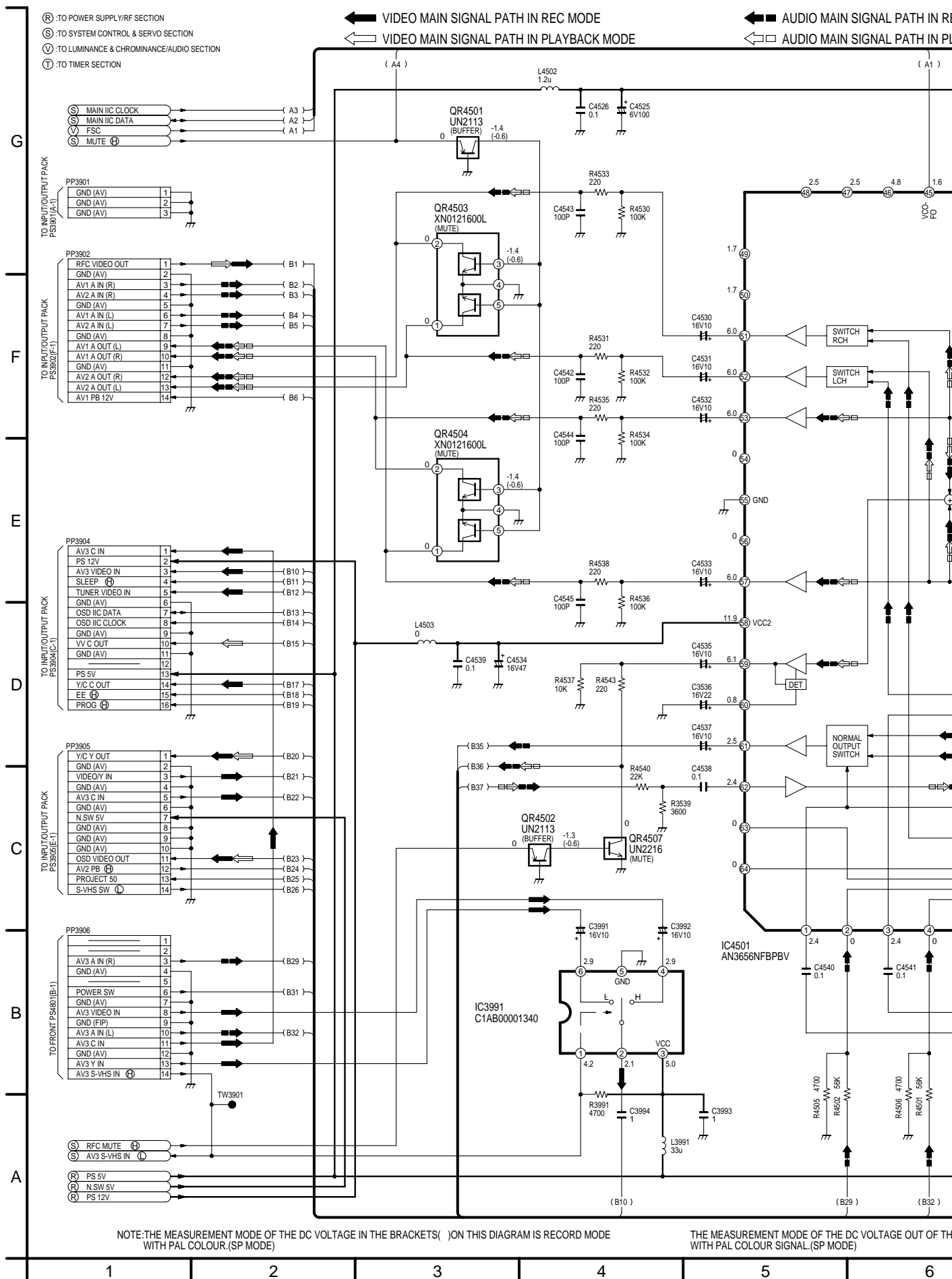
10

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11

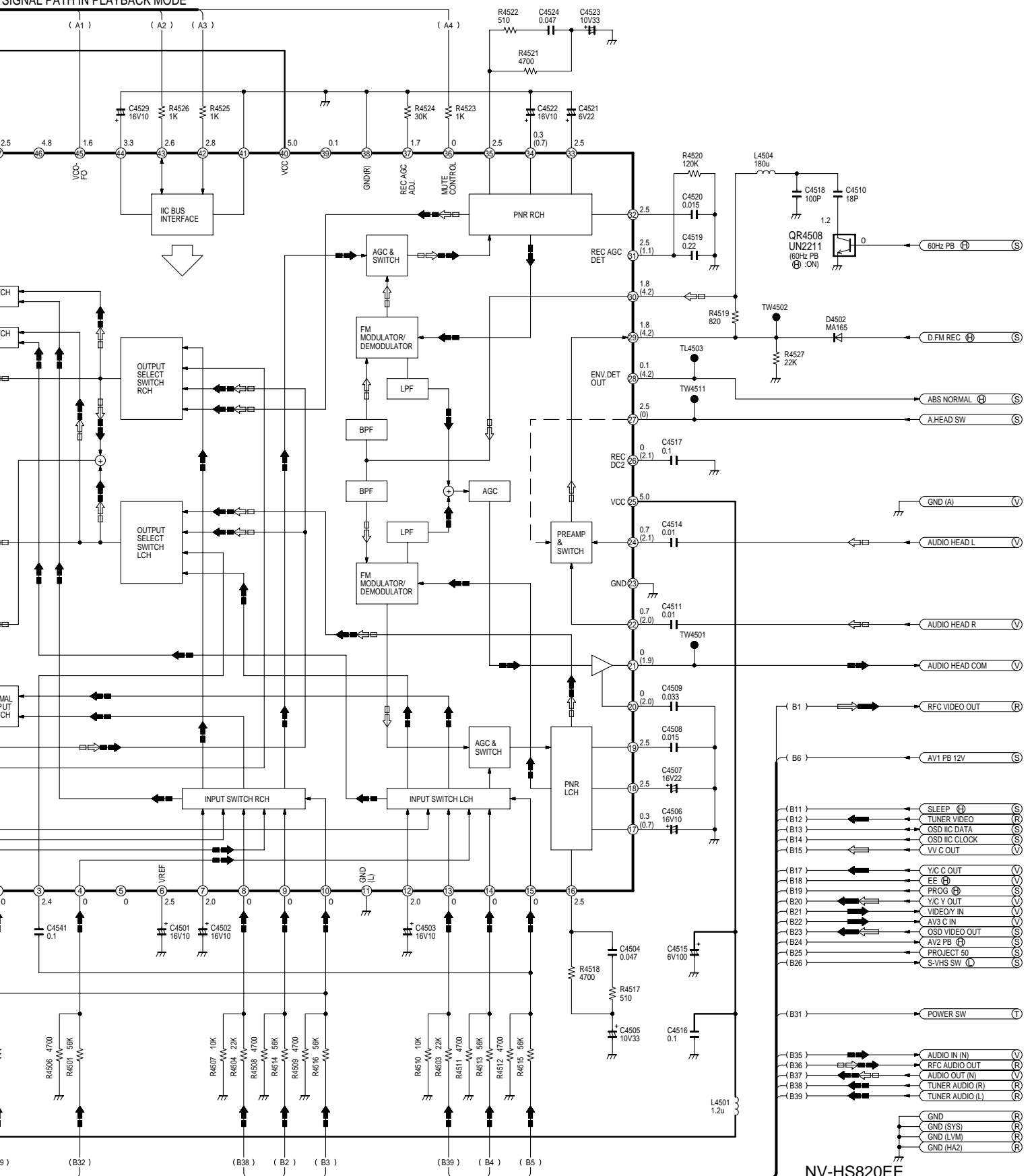






SIGNAL PATH IN REC MODE

SIGNAL PATH IN PLAYBACK MODE



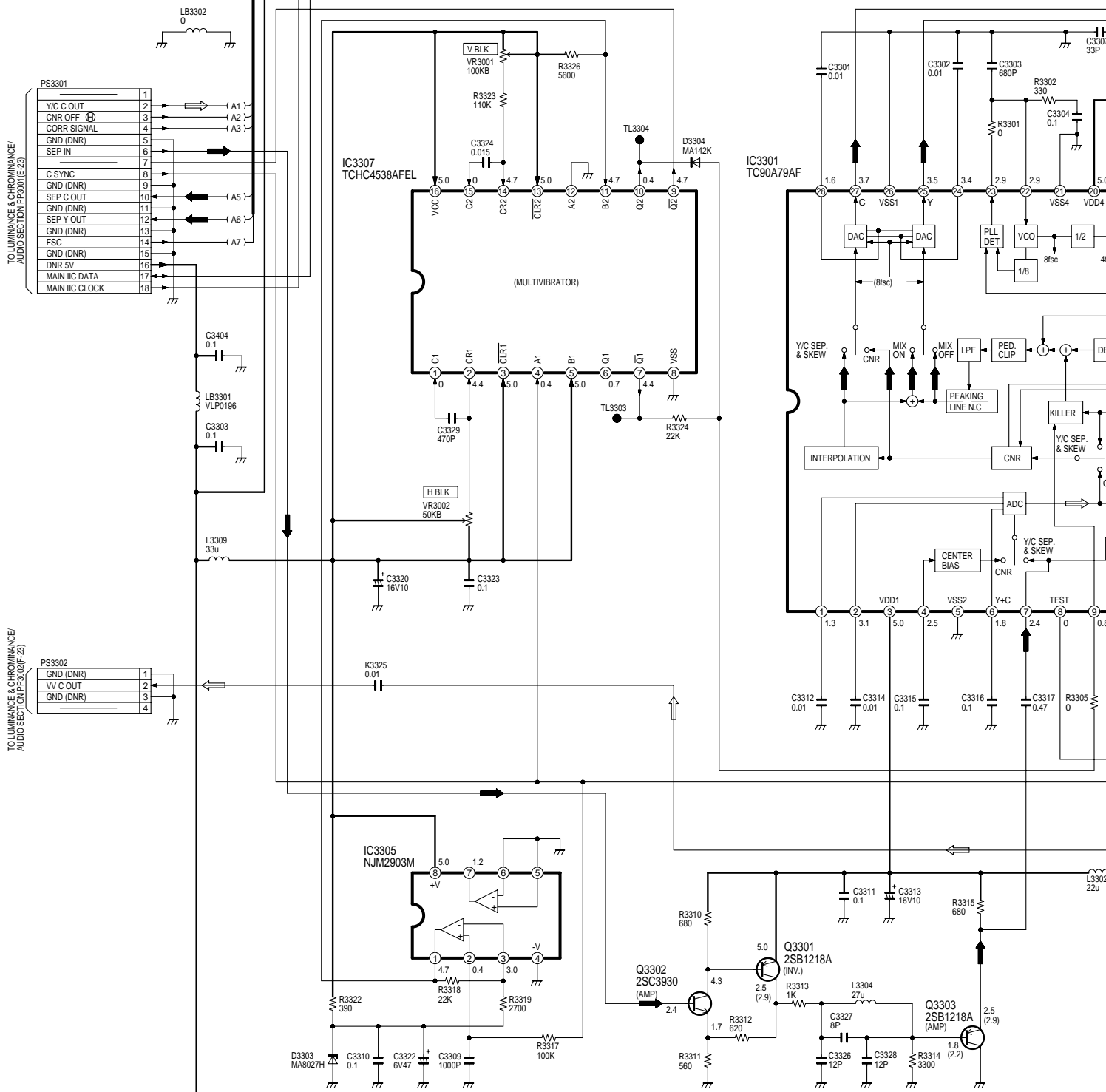
NV-HS820EE  
Hi-Fi AUDIO SECTION IN MAIN  
SCHEMATIC DIAGRAM



G  
F  
E  
D  
C  
B  
A

VIDEO MAIN SIGNAL PATH IN REC MODE

VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE



NOTE: DO NOT ANY PART ORDERING WHEN

1

2

3

4

5

6

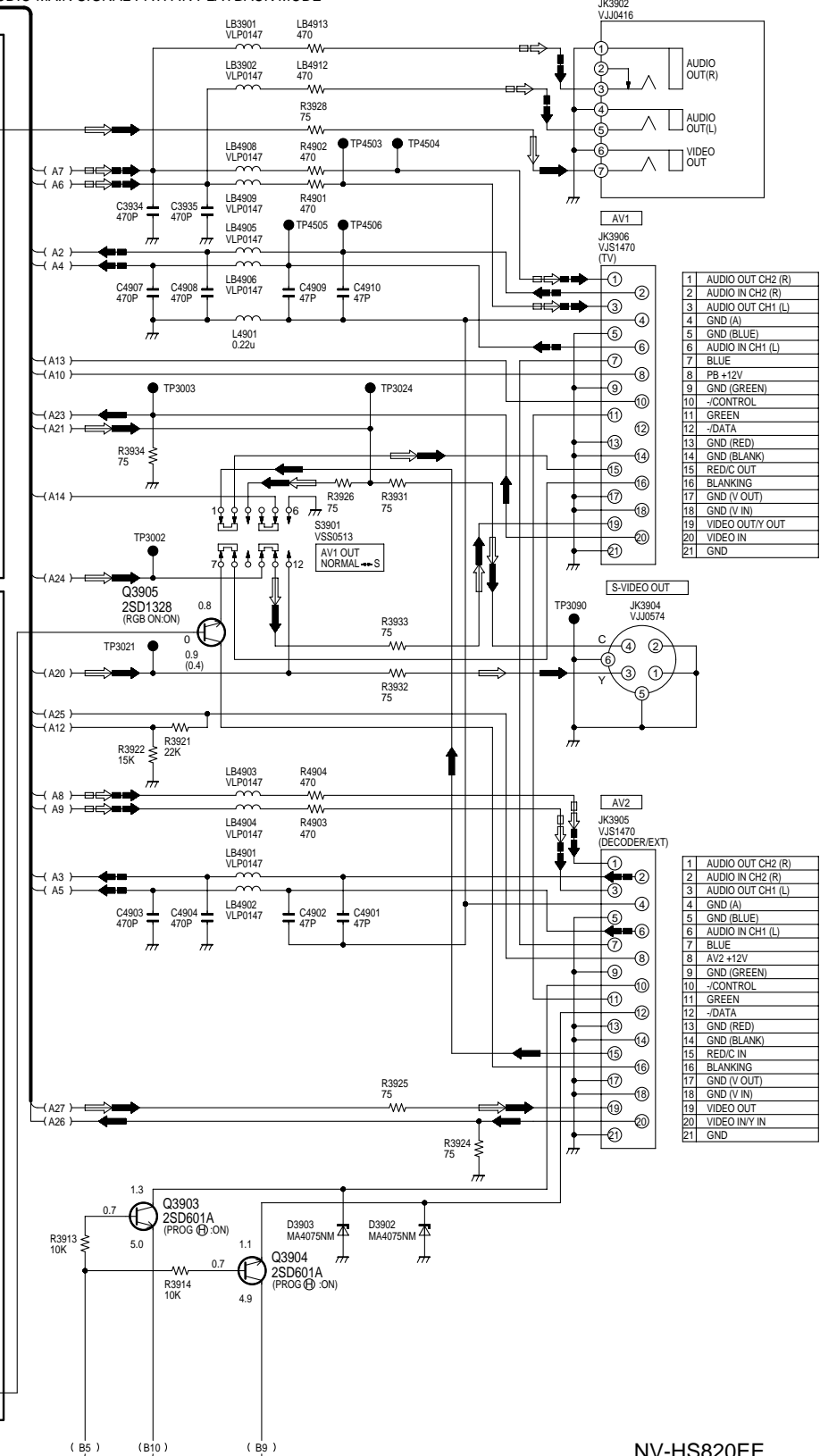
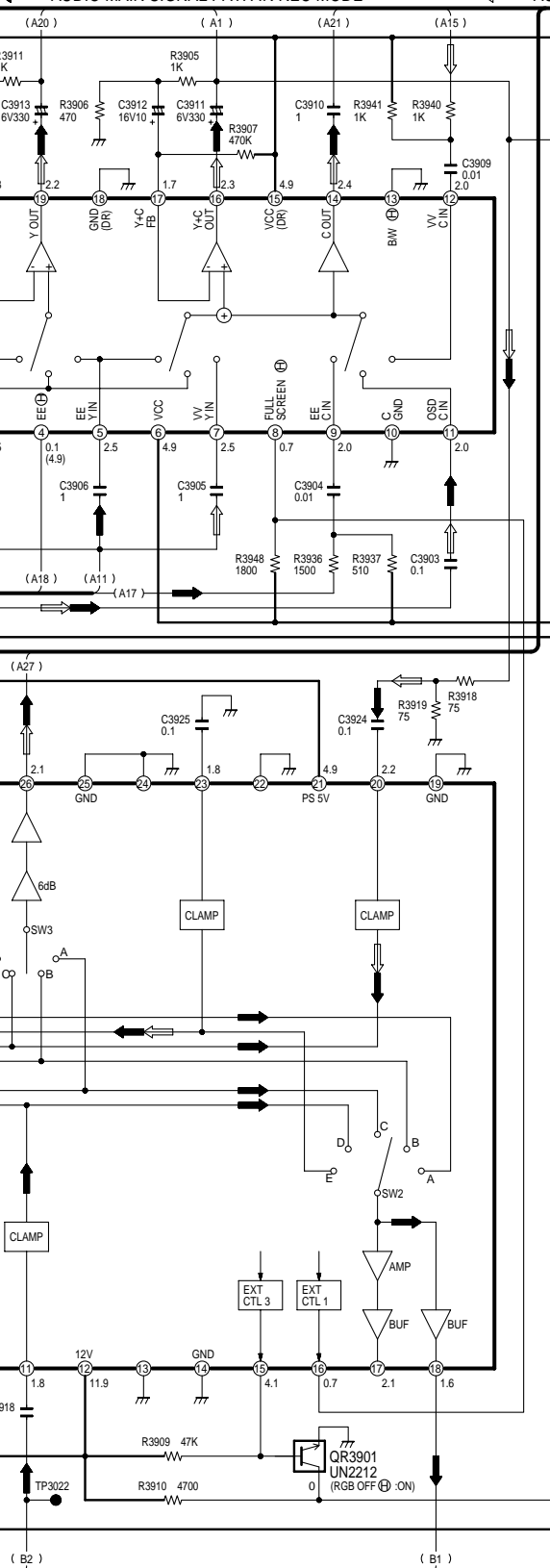
NV-HS820EE  
DNR PACK SCHEMATIC DIAGRAM

11



← AUDIO MAIN SIGNAL PATH IN REC MODE

← AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE



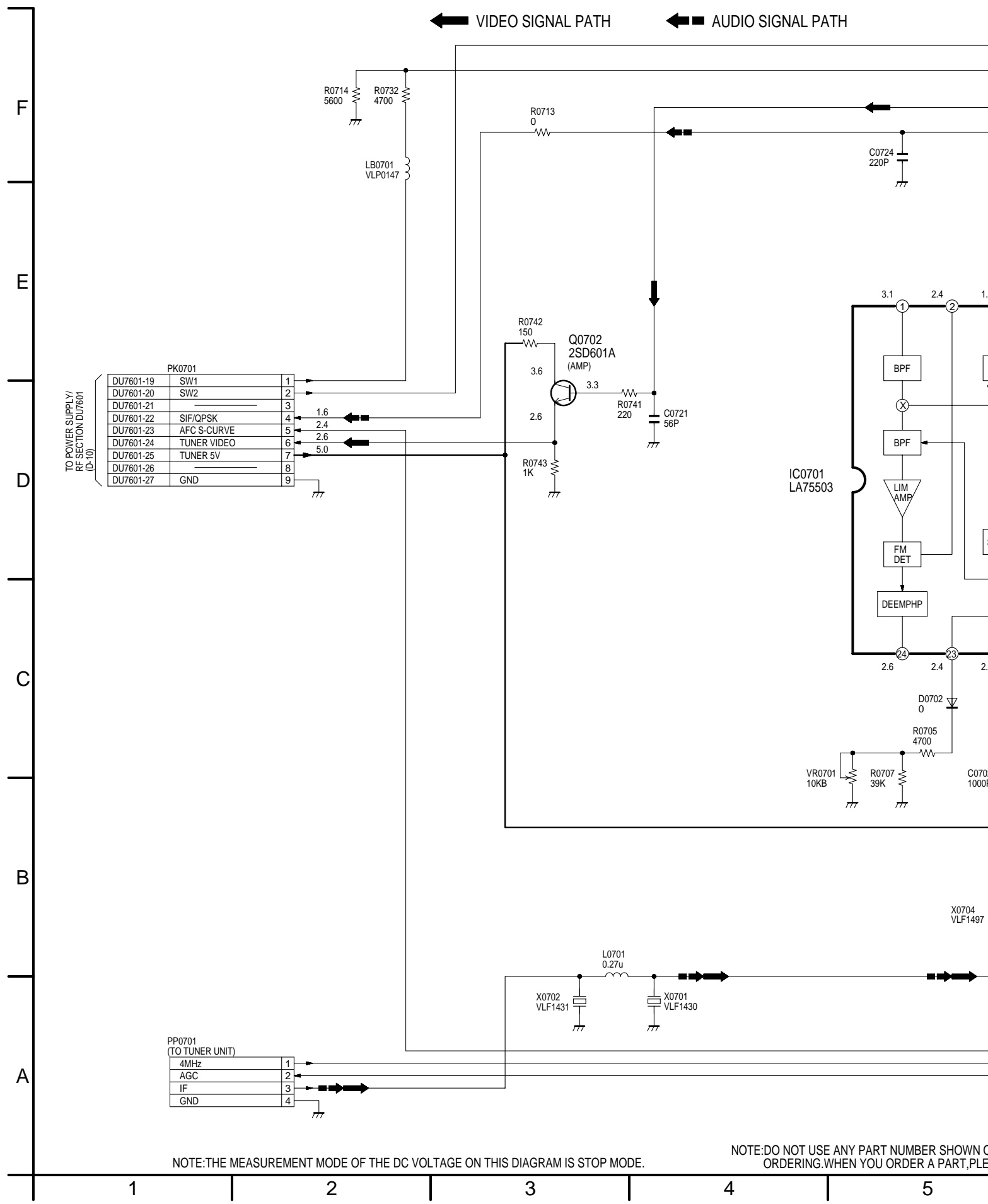
- |    |                   |
|----|-------------------|
| 1  | AUDIO OUT CH2 (R) |
| 2  | AUDIO IN CH2 (R)  |
| 3  | AUDIO OUT CH1 (L) |
| 4  | GND (A)           |
| 5  | GND (BLUE)        |
| 6  | AUDIO IN CH1 (L)  |
| 7  | BLUE              |
| 8  | PB +12V           |
| 9  | GND (GREEN)       |
| 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               |

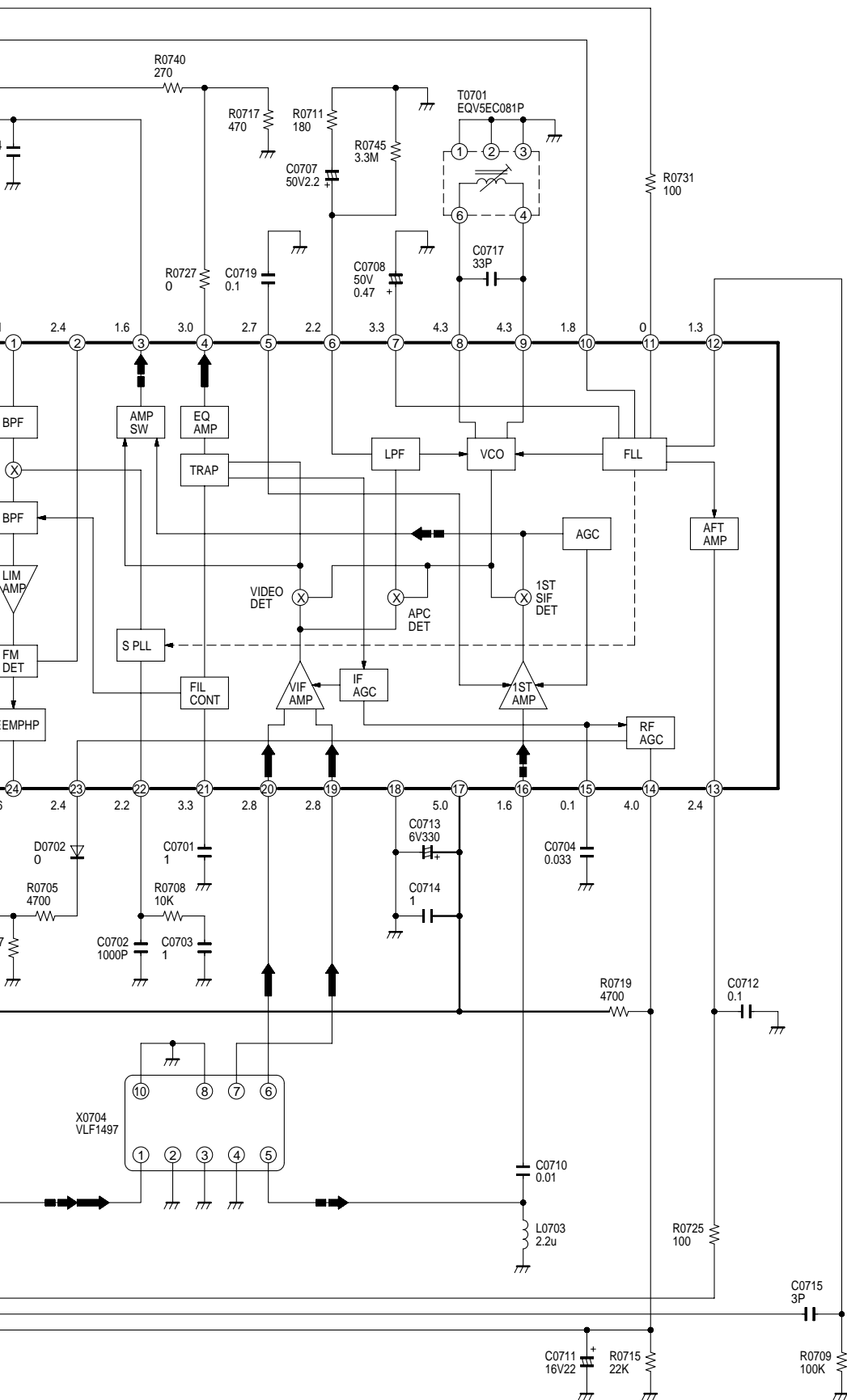
- |    |                   |
|----|-------------------|
| 1  | AUDIO OUT CH2 (R) |
| 2  | AUDIO IN CH2 (R)  |
| 3  | AUDIO OUT CH1 (L) |
| 4  | GND (A)           |
| 5  | GND (BLUE)        |
| 6  | AUDIO IN CH1 (L)  |
| 7  | BLUE              |
| 8  | AV2 +12V          |
| 9  | GND (GREEN)       |
| 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               |

← PAGE 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-HS820EE  
INPUT/OUTPUT PACK  
SCHEMATIC DIAGRAM





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

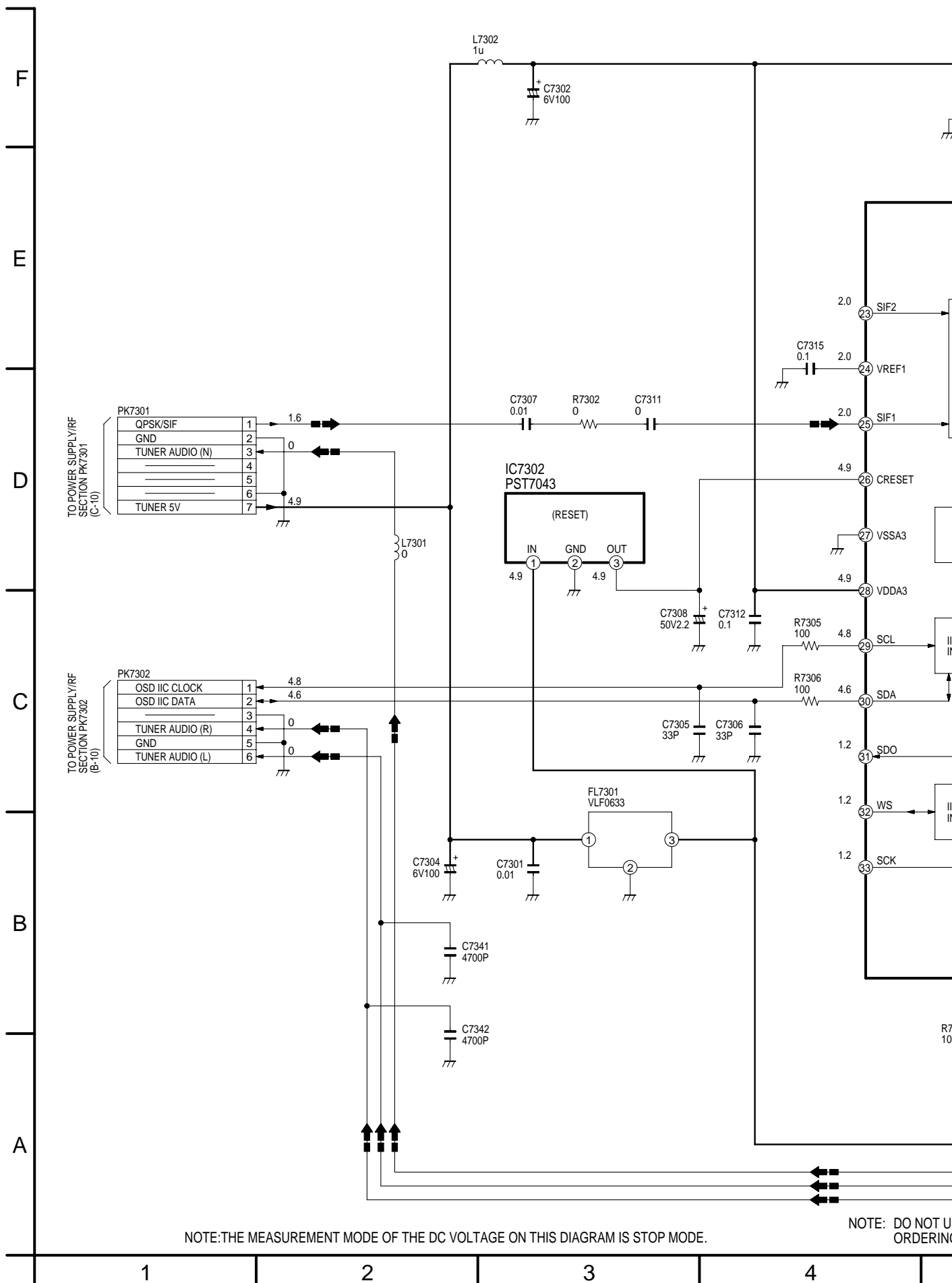
NV-HS820EE  
TV DEMODULATOR PACK SCHEMATIC DIAGRAM

5

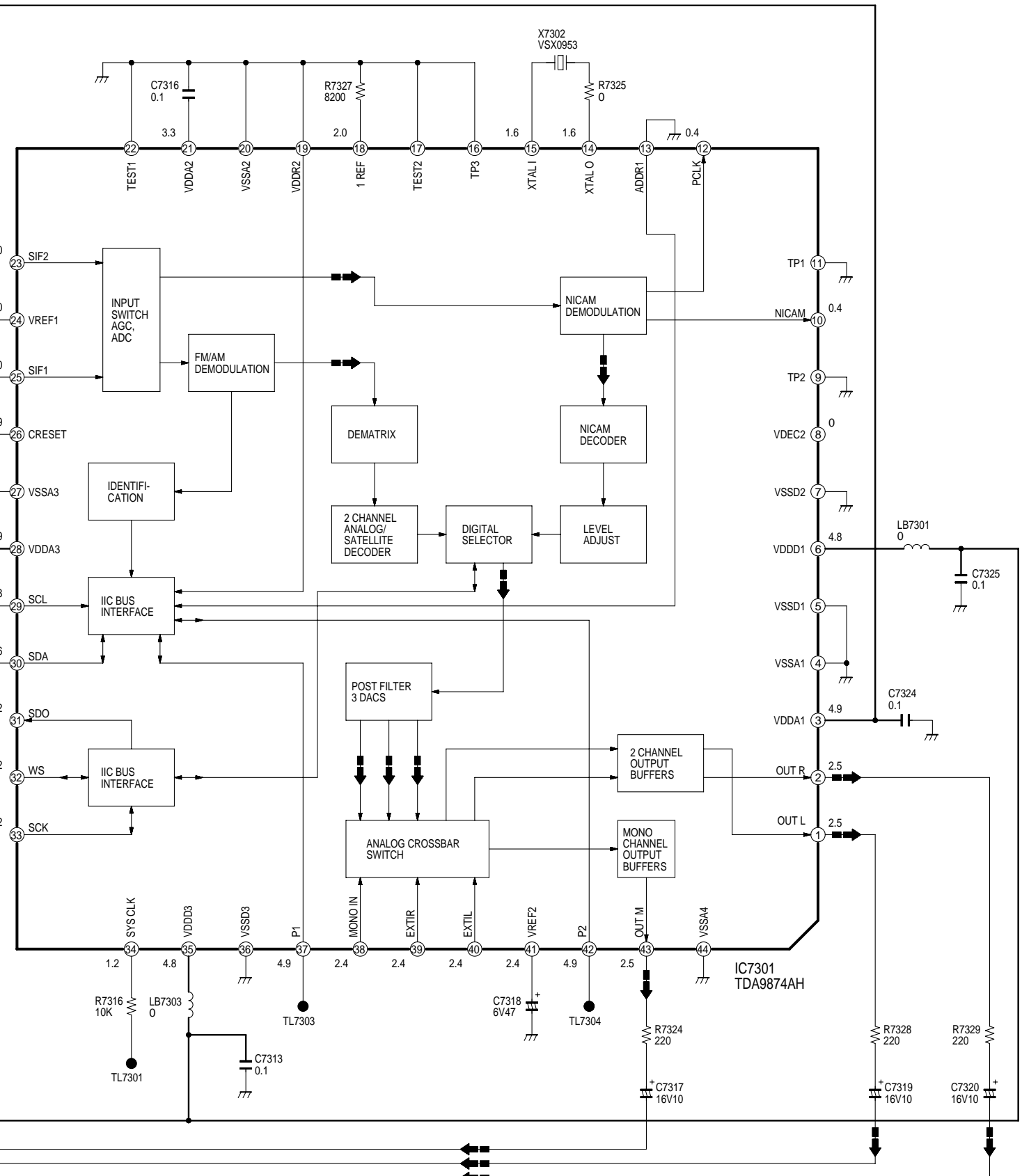
6

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8



← AUDIO SIGNAL PATH



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-HS820EE  
NICAM DECODER PACK SCHEMATIC DIAGRAM

5

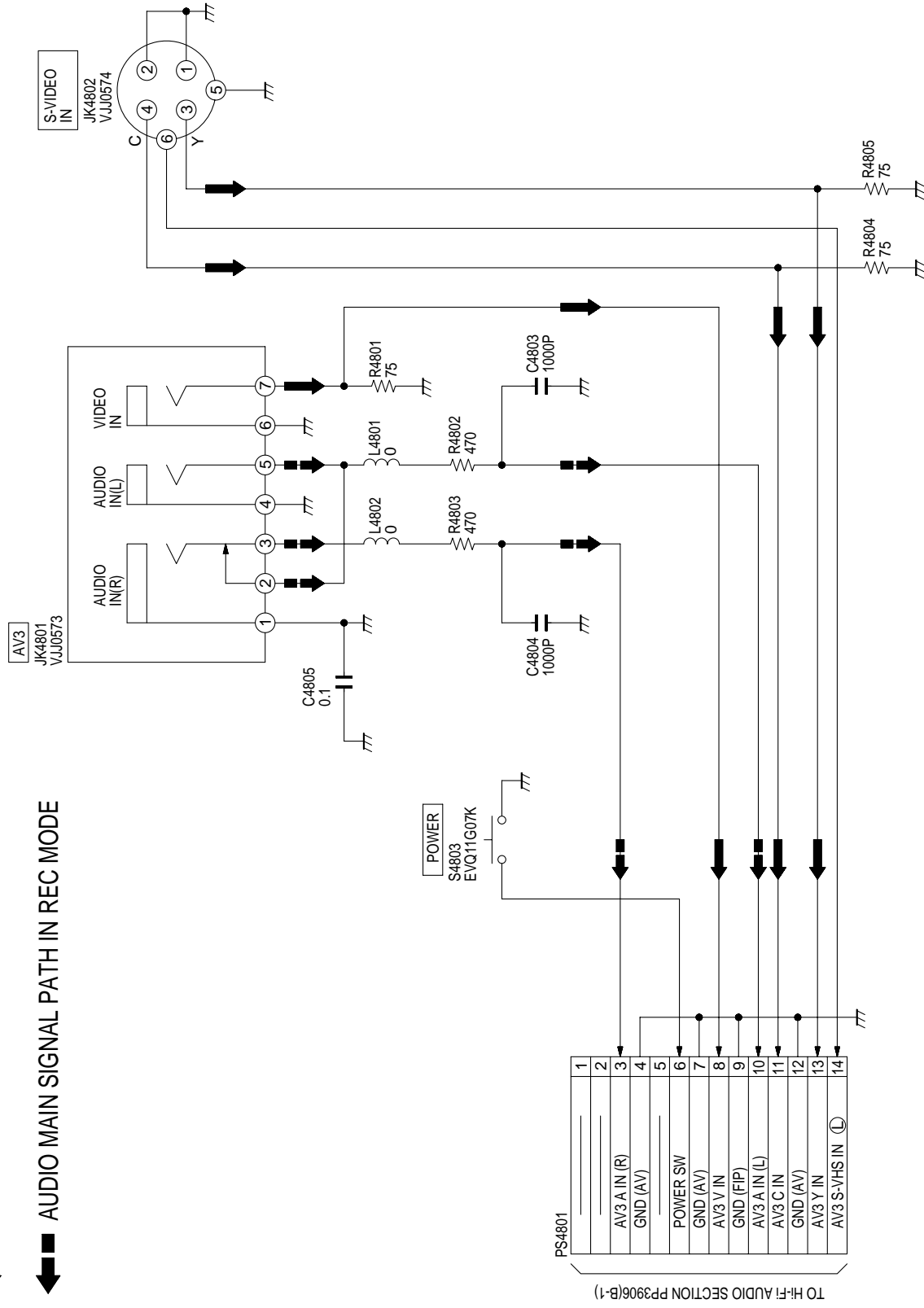
6

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8



 VIDEO MAIN SIGNAL PATH IN REC MODE  
 AUDIO MAIN SIGNAL PATH IN REC 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.

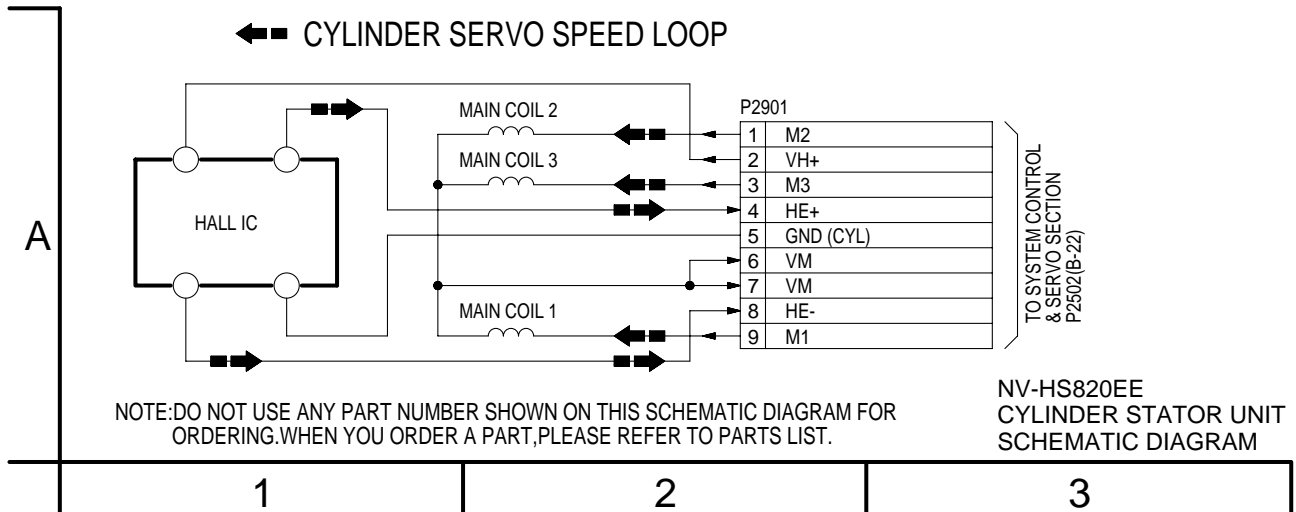
NV-HS820EE  
FRONT SCHEMATIC DIAGRAM

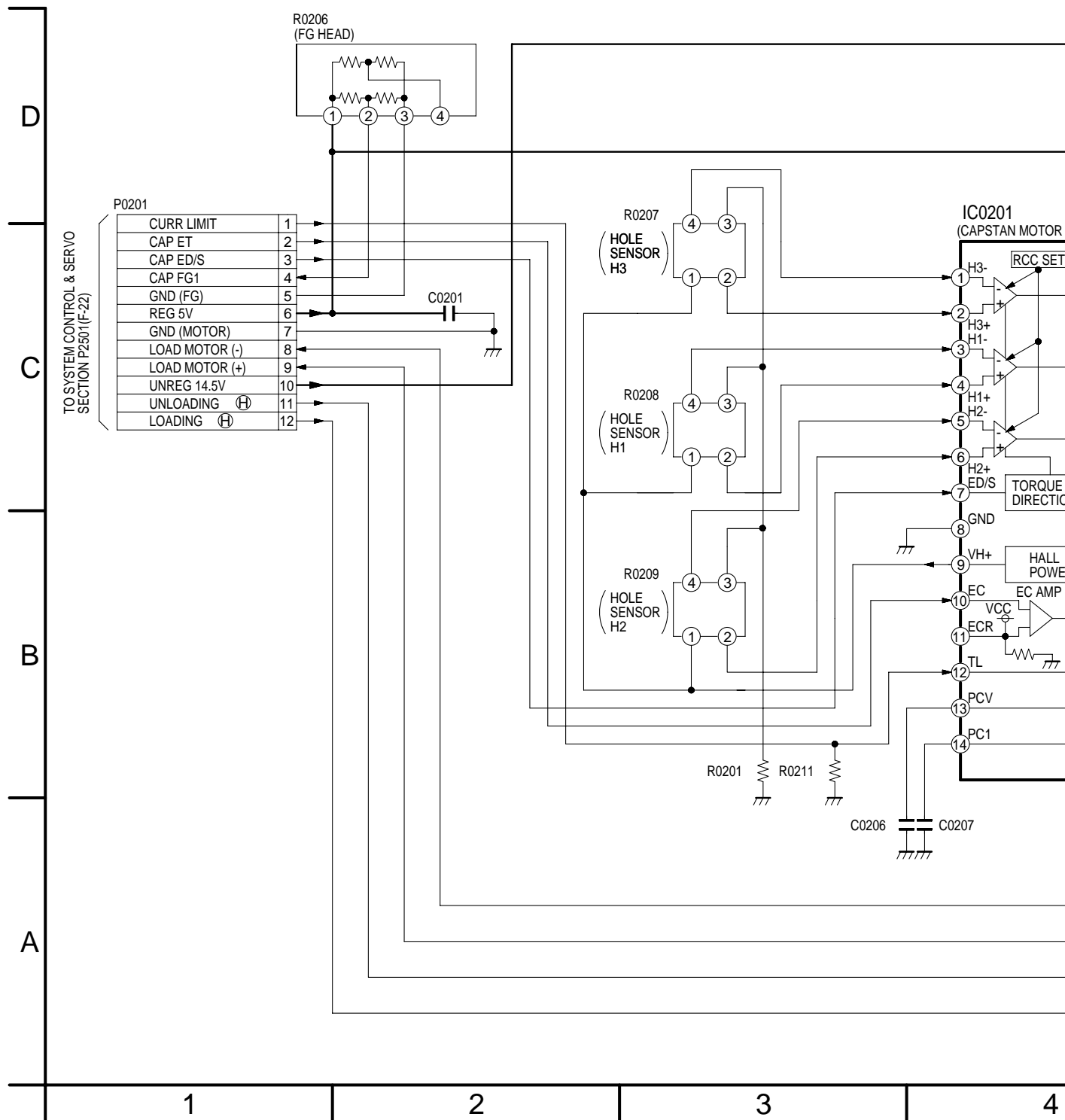
1

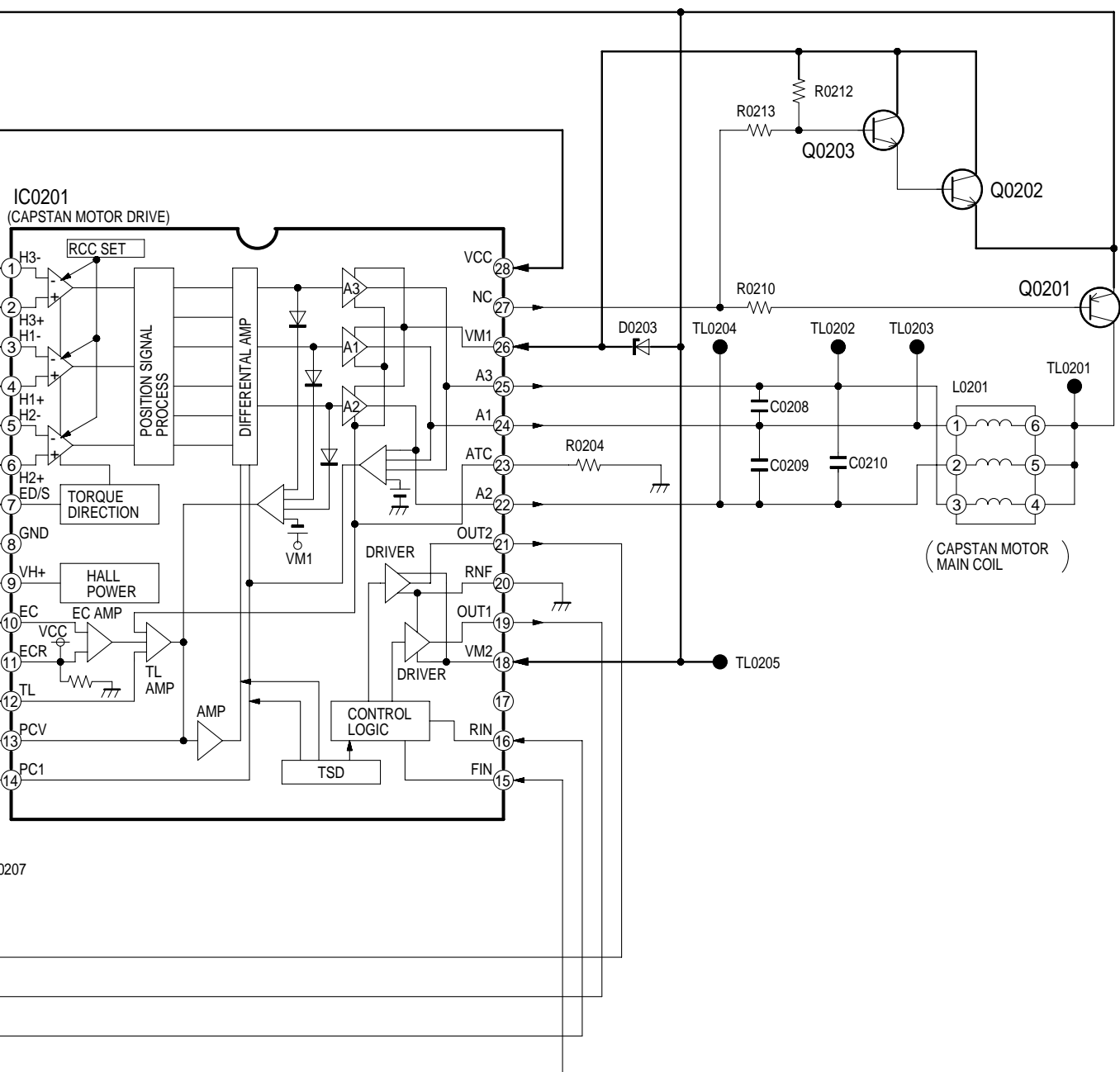
2

3

4







NV-HS820EE  
CAPSTAN UNIT SCHEMATIC DIAGRAM

4

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