

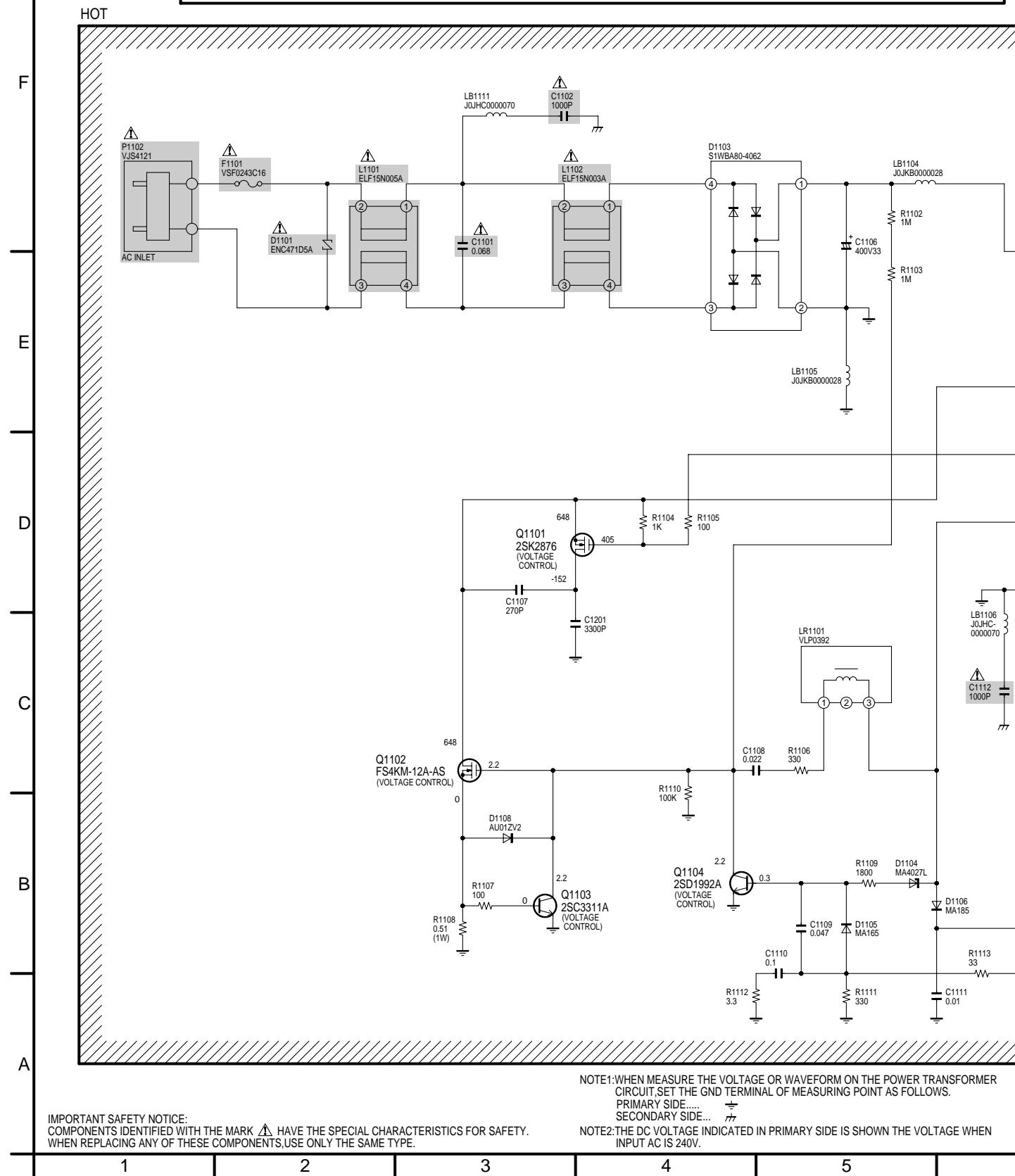
8 SCHEMATIC DIAGRAMS

8.1. POWER TRANSFORMER SECTION IN MAIN SCHEMATIC DIAGRAM

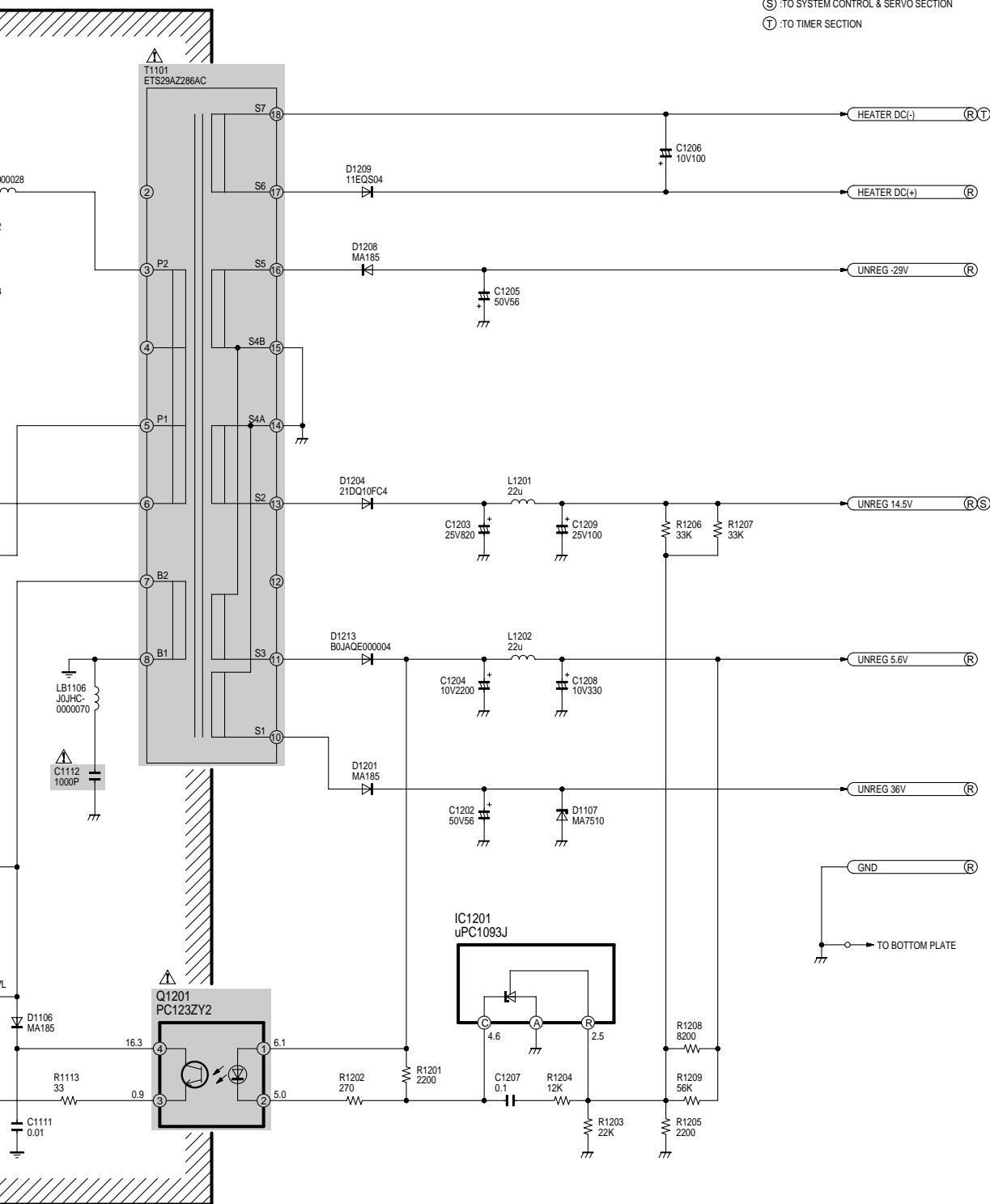
CAUTION

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.



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



VOLTAGE WHEN

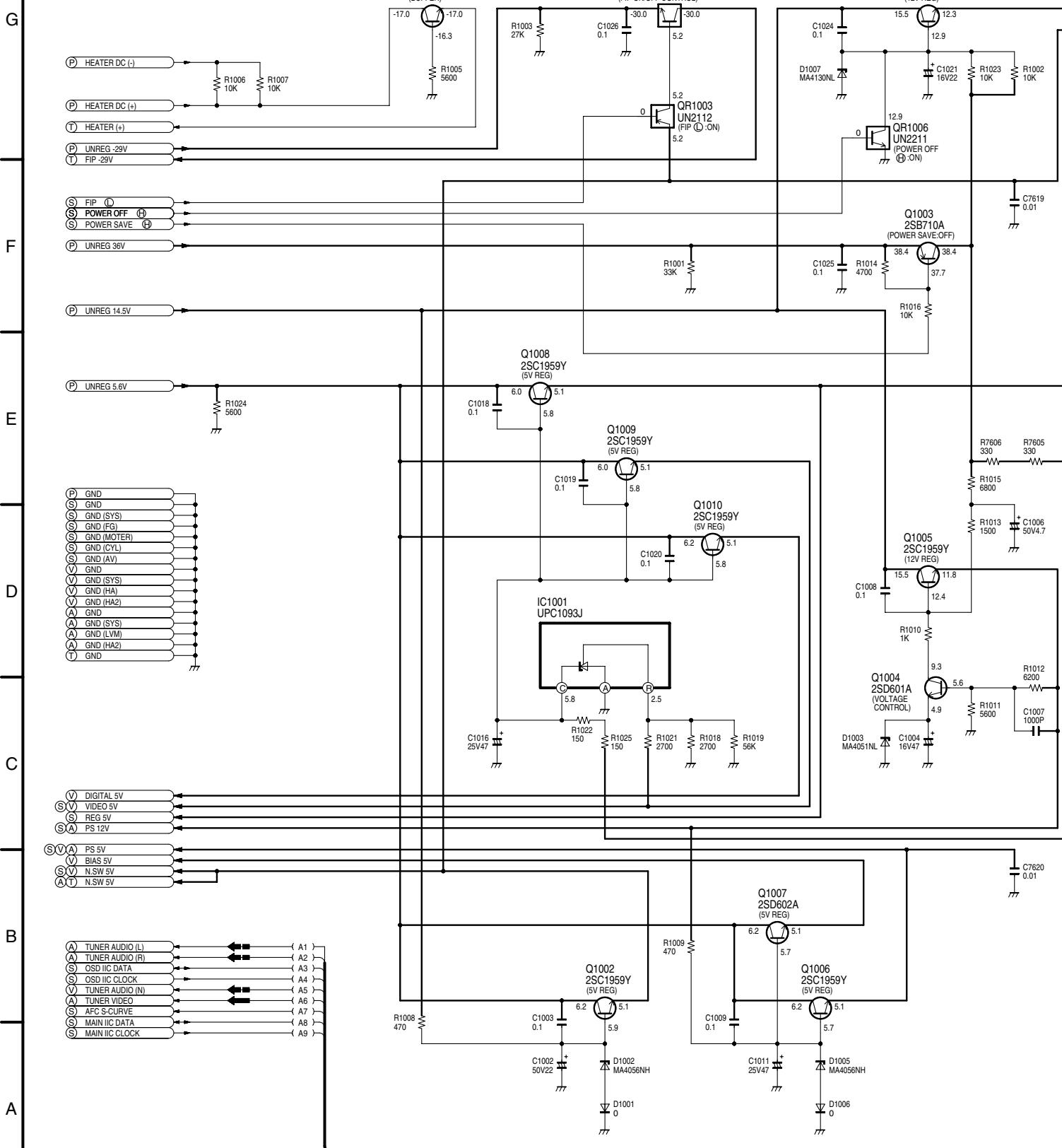
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING WHEN YOU ORDER A PART. PLEASE REFER TO PARTS LIST.
 NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NV-HS830F POWER TRANSFORMER SECTION SCHEMATIC DIAGRAM

6 7 8 9 10

8.2. POWER SUPPLY/ RF SECTION IN MAIN SCHEMATIC DIAGRAM

- (P) : TO POWER TRANSFORMER SECTION
- (S) : TO SYSTEM CONTROL & SERVO SECTION
- (V) : TO LUMINANCE & CHROMINANCE/AUDIO SECTION
- (A) : TO HI-FI AUDIO SECTION
- (T) : TO TIMER SECTION



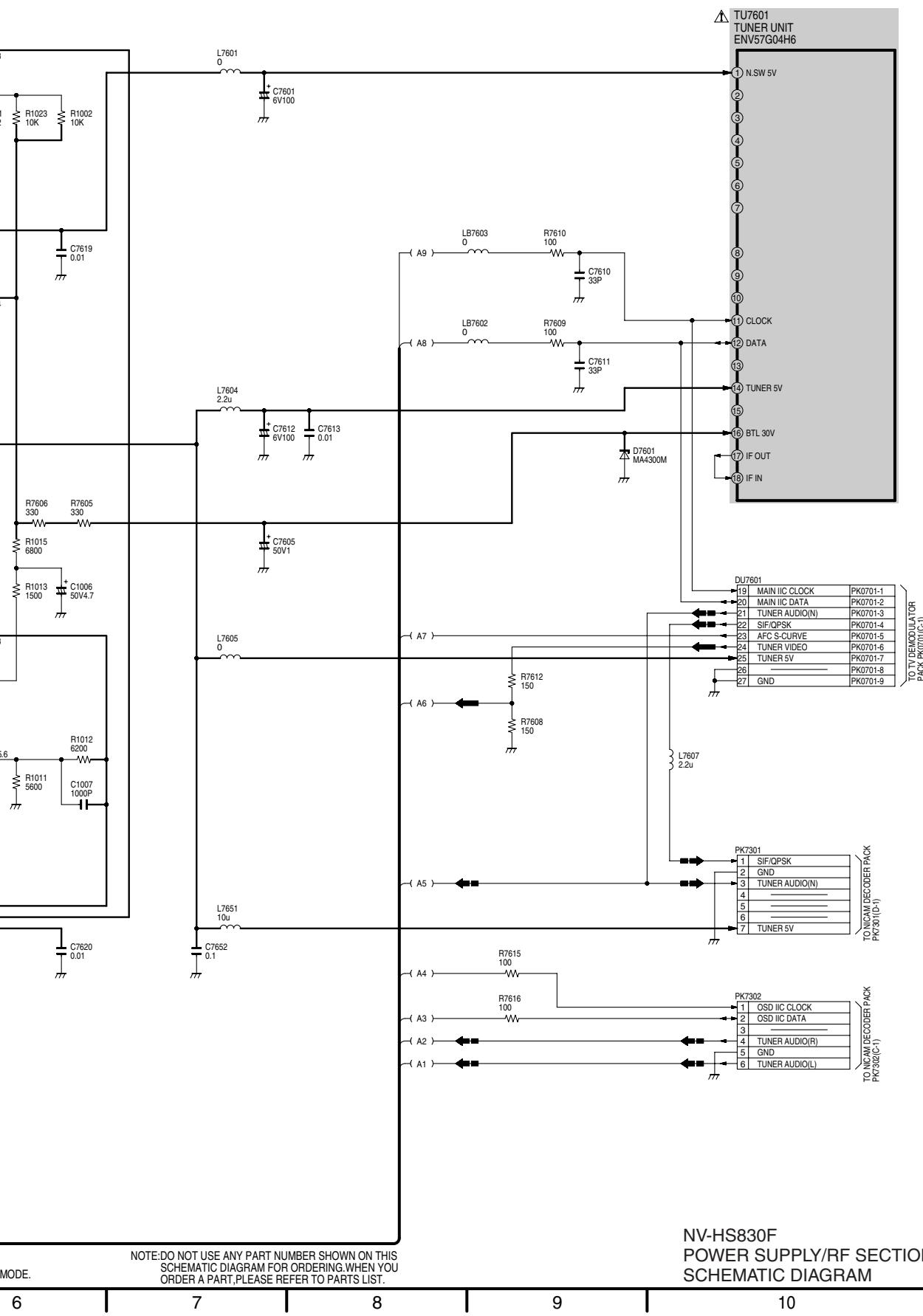
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

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

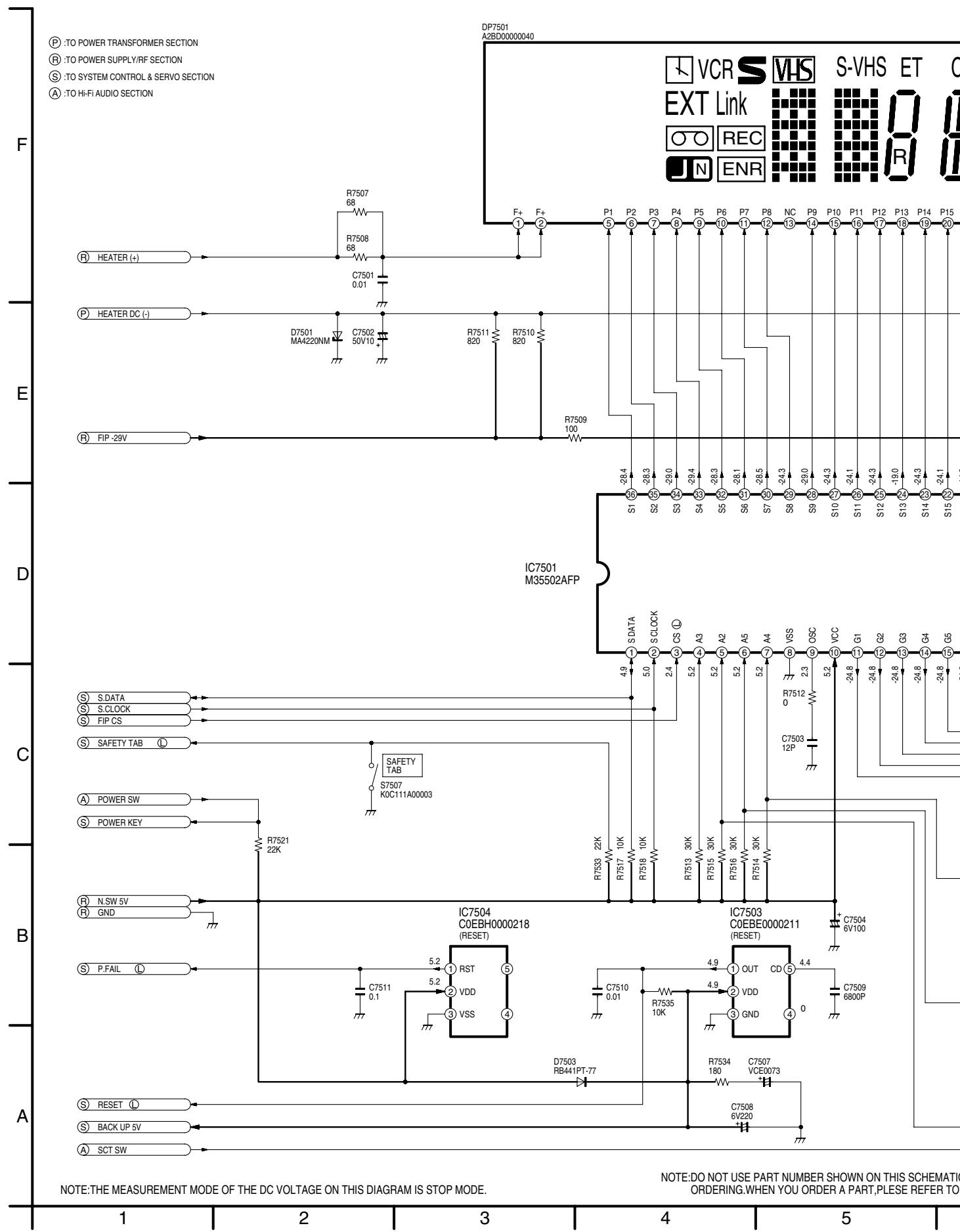
1 2 3 4 5 6

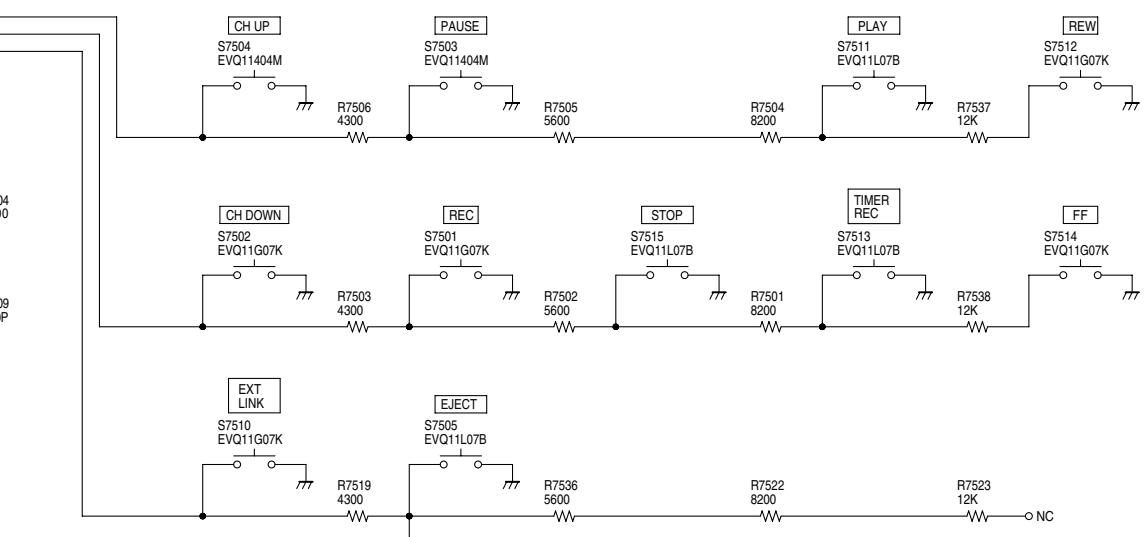
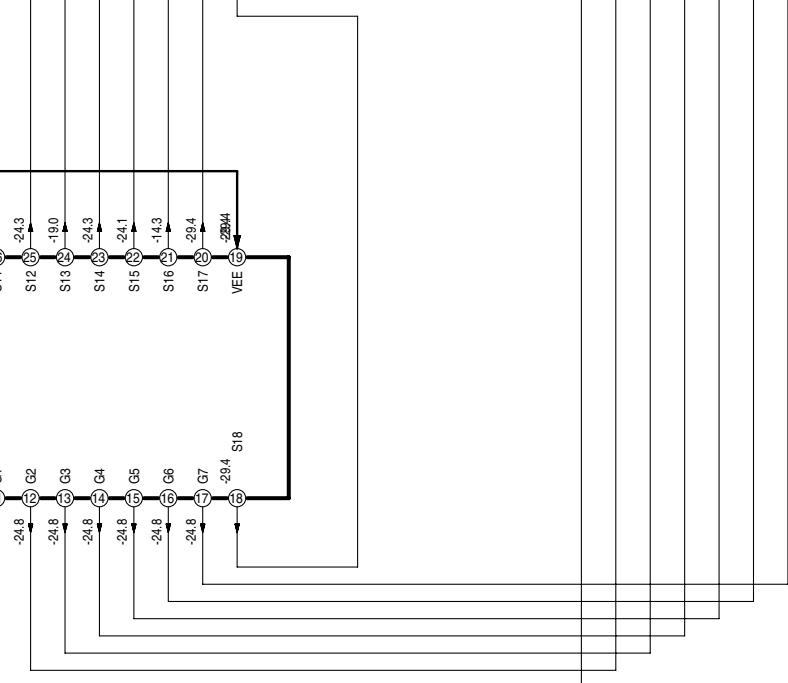
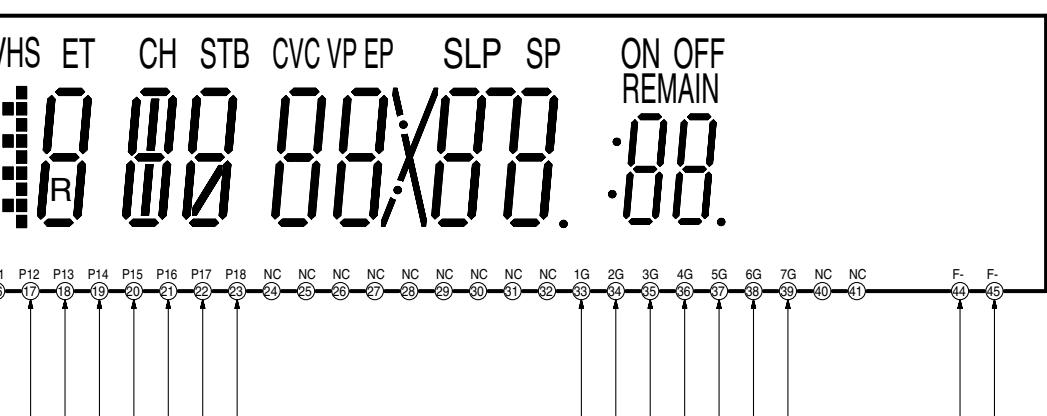
← VIDEO MAIN SIGNAL PATH IN REC MODE

← → AUDIO MAIN SIGNAL PATH IN REC MODE



8.3. TIMER SECTION IN MAIN SCHEMATIC DIAGRAM

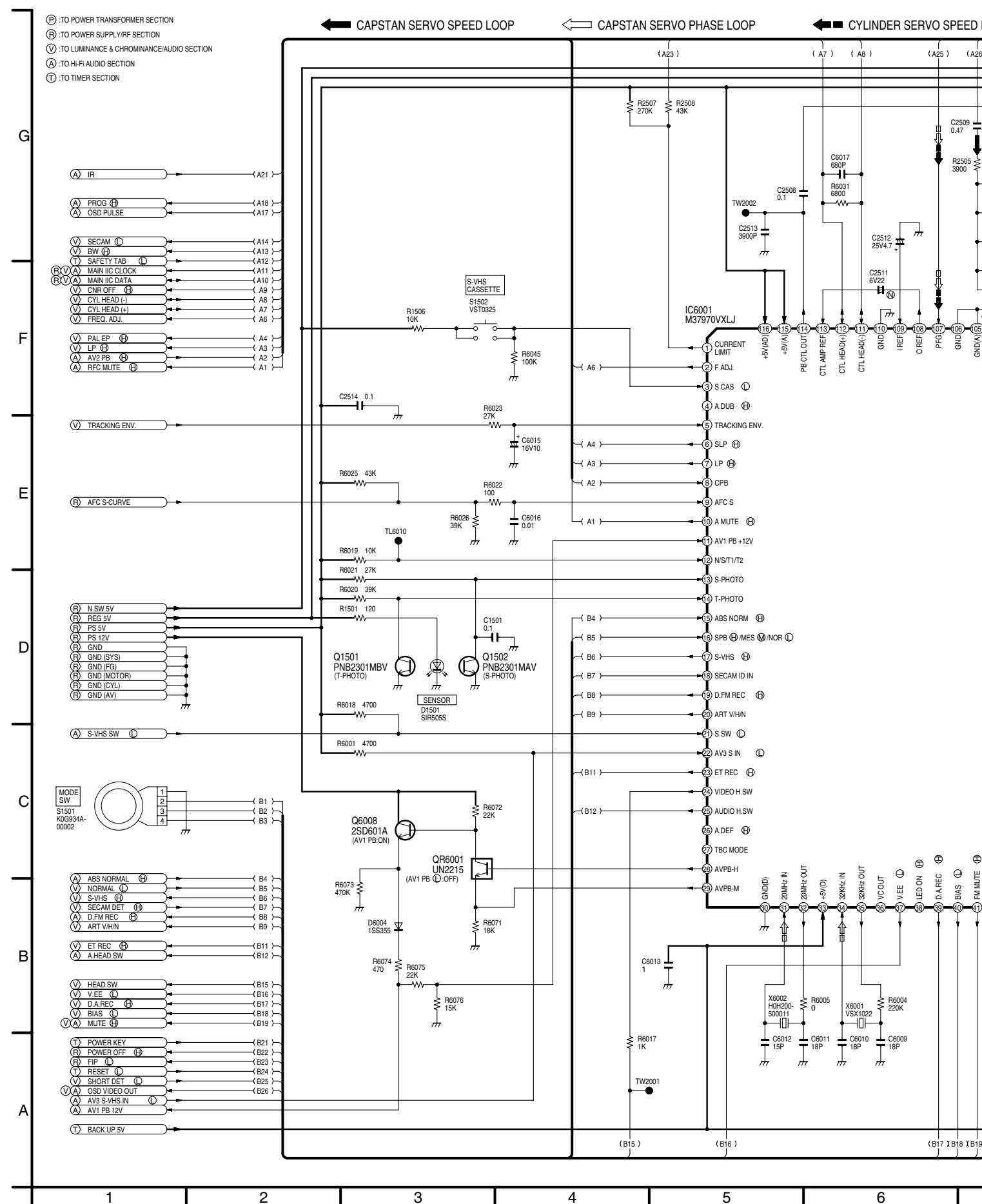




ON THIS SCHEMATIC DIAGRAM FOR PART, PLEASE REFER TO PARTS LIST.

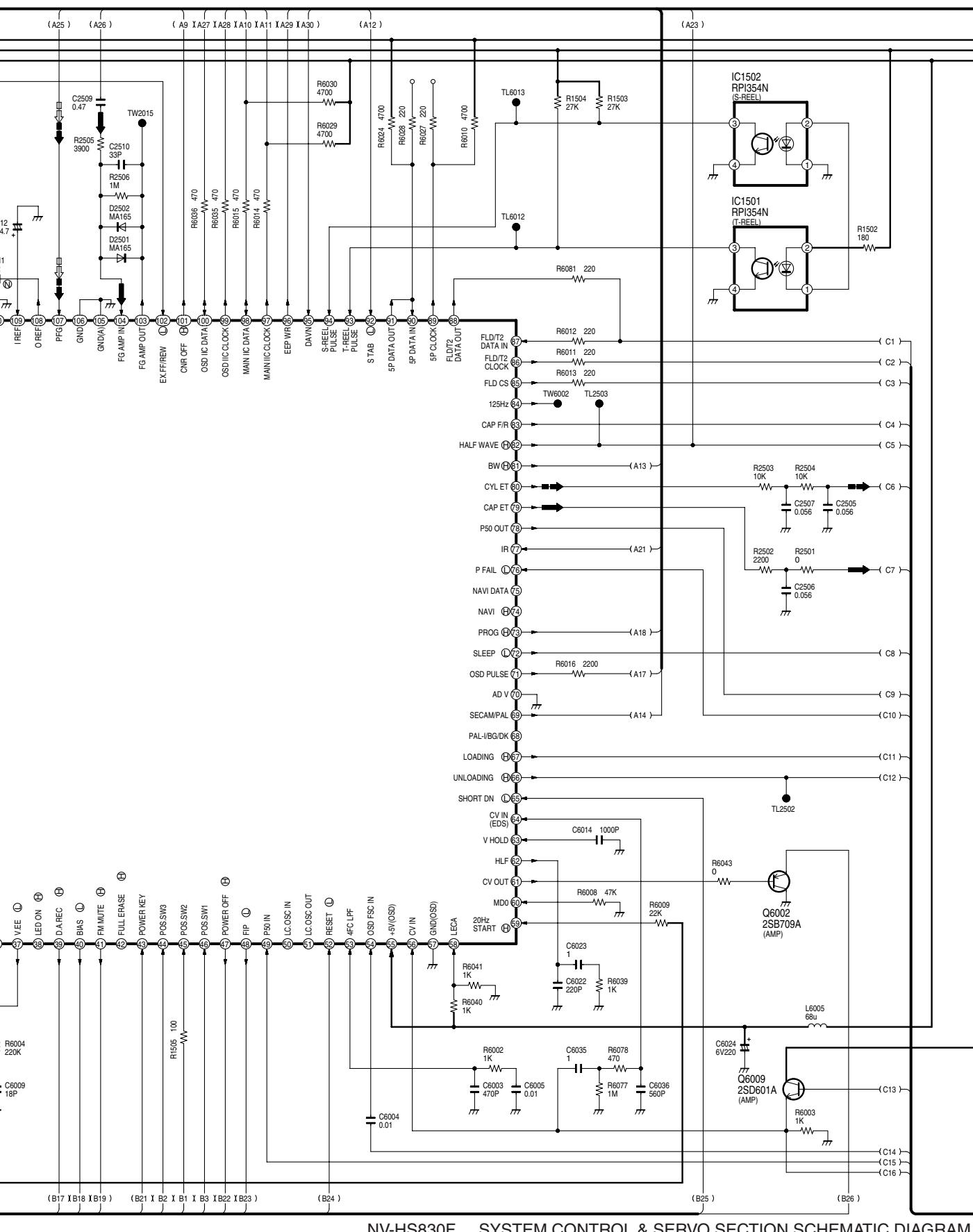
NV-HS830F TIMER SECTION SCHEMATIC DIAGRAM

8.4. SYSTEM CONTROL & SERVO SECTION IN MAIN SCHEMATIC DIAGRAM

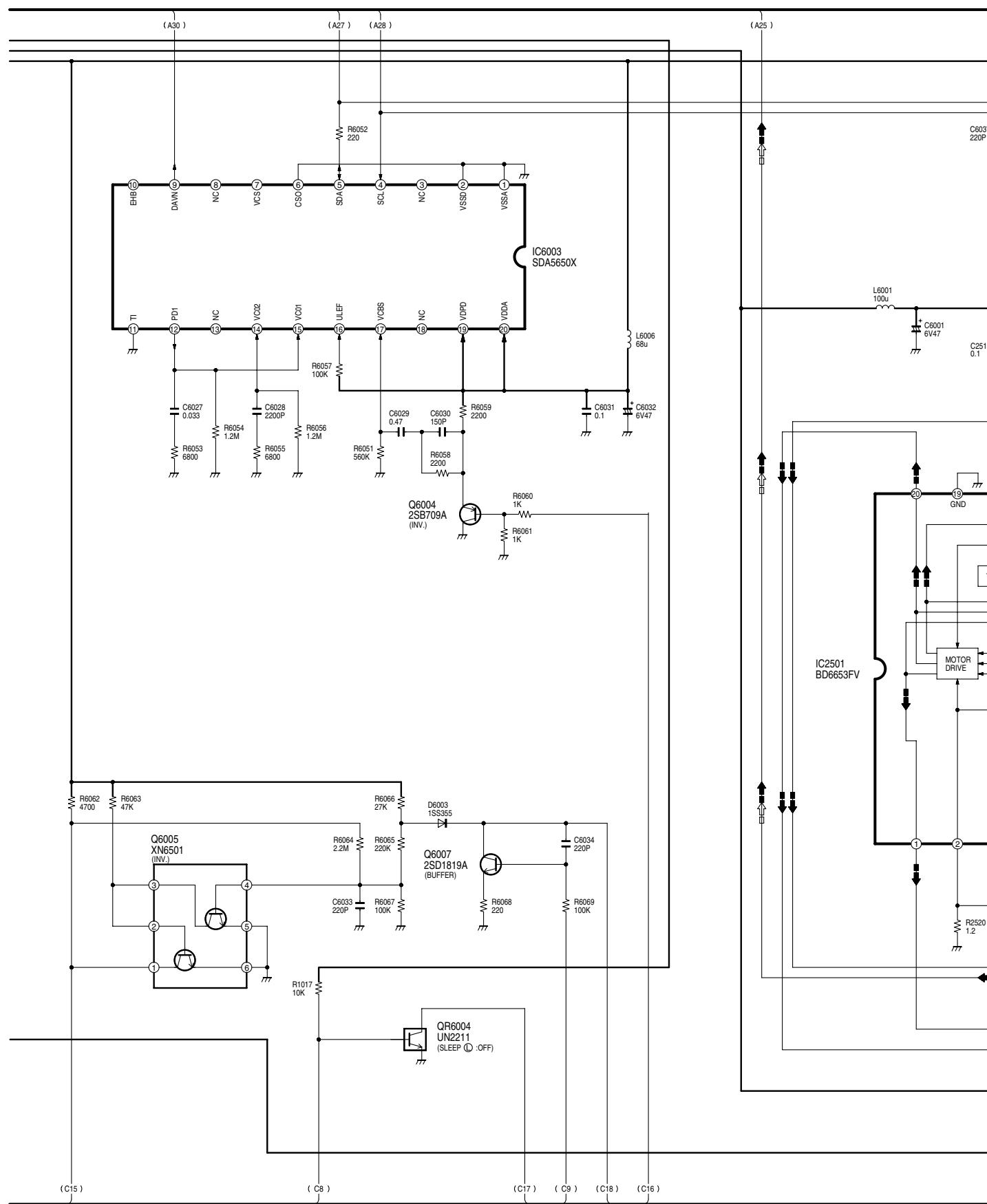


SERVO SPEED LOOP

CYLINDER SERVO PHASE LOOP



NV-HS830F SYSTEM CONTROL & SERVO SECTION SCHEMATIC DIAGRAM



NV-HS830F SYSTEM CONTROL & SERVO SECTION SCHEMATIC DIAGRAM

12

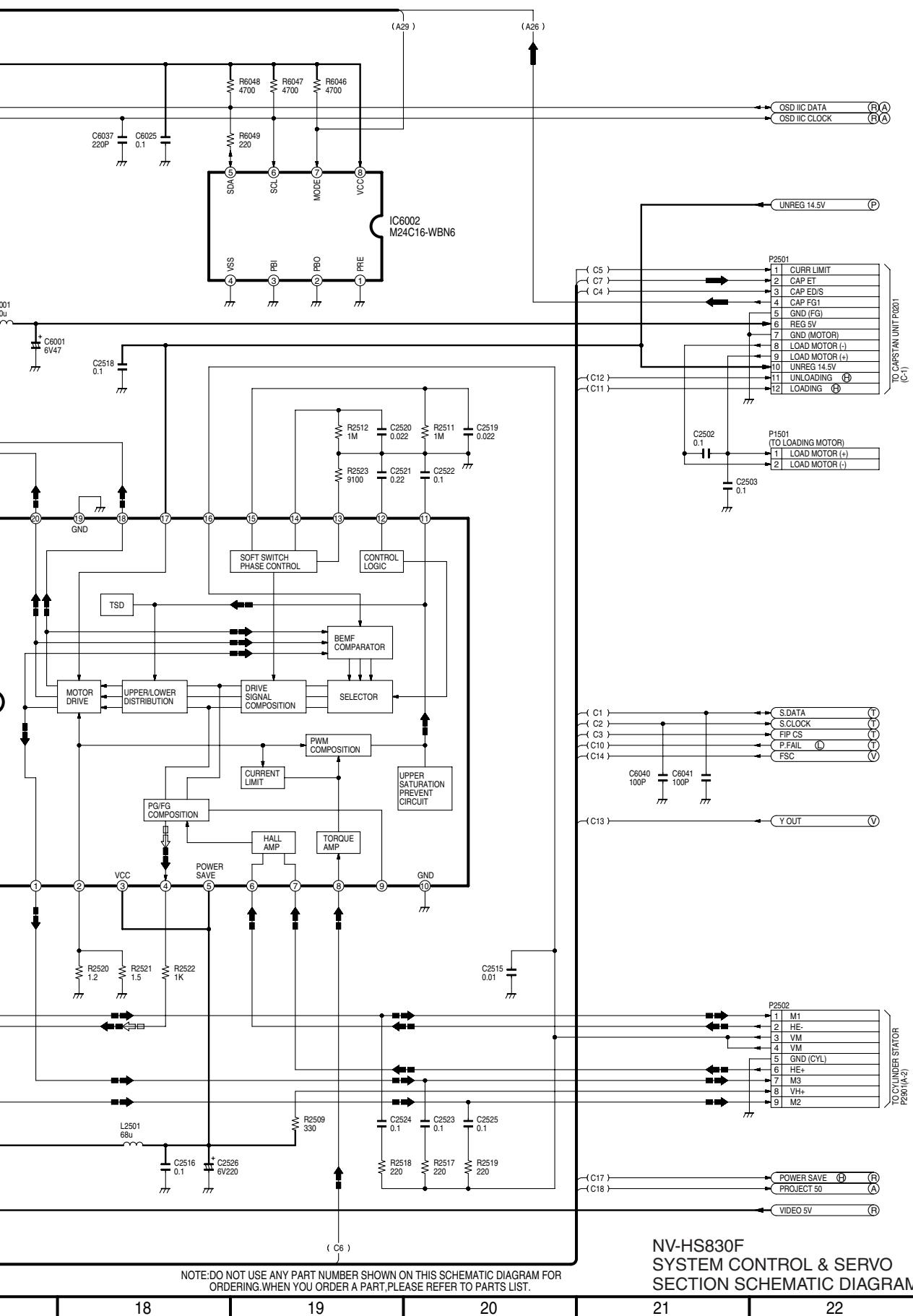
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14

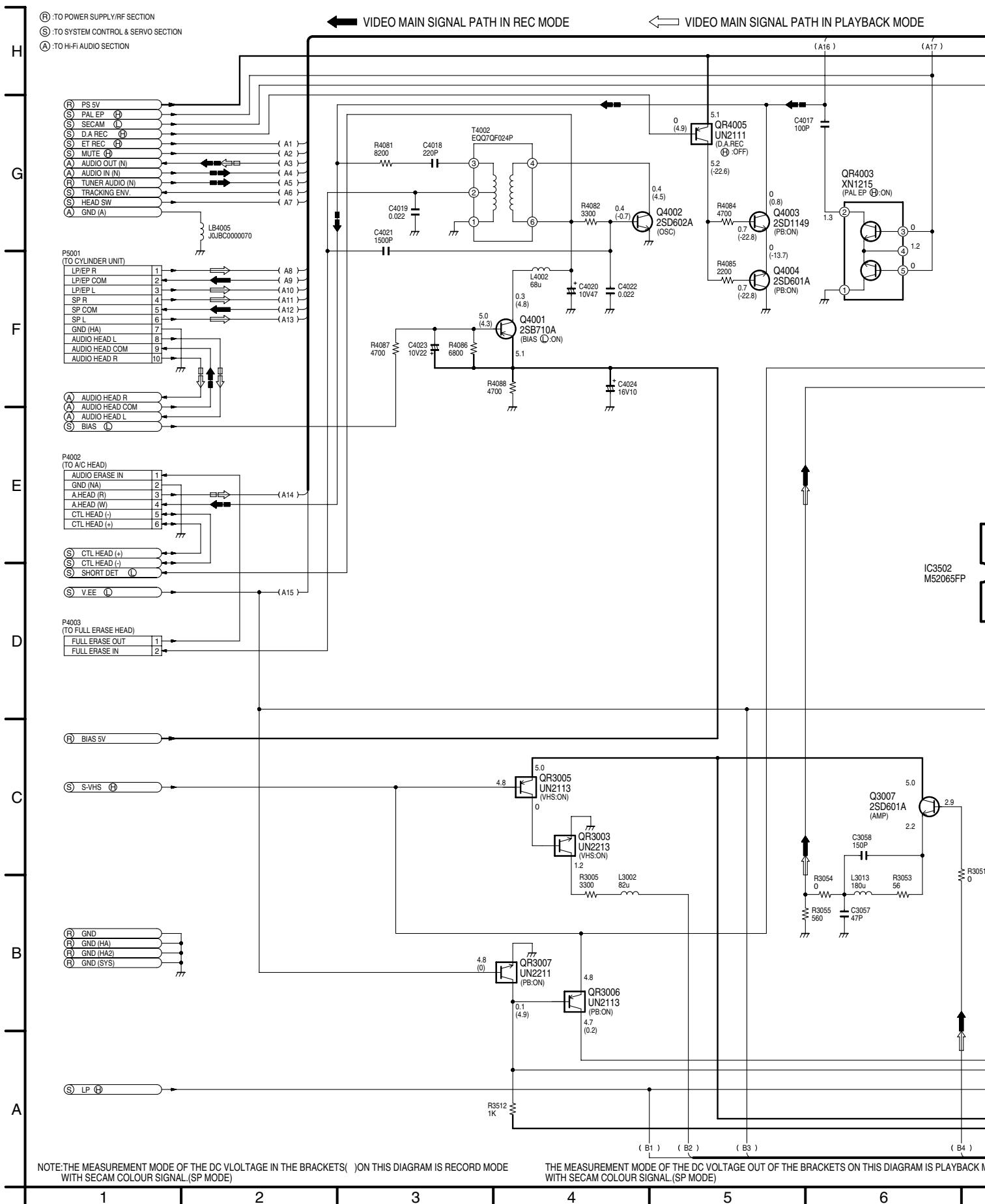
15

16

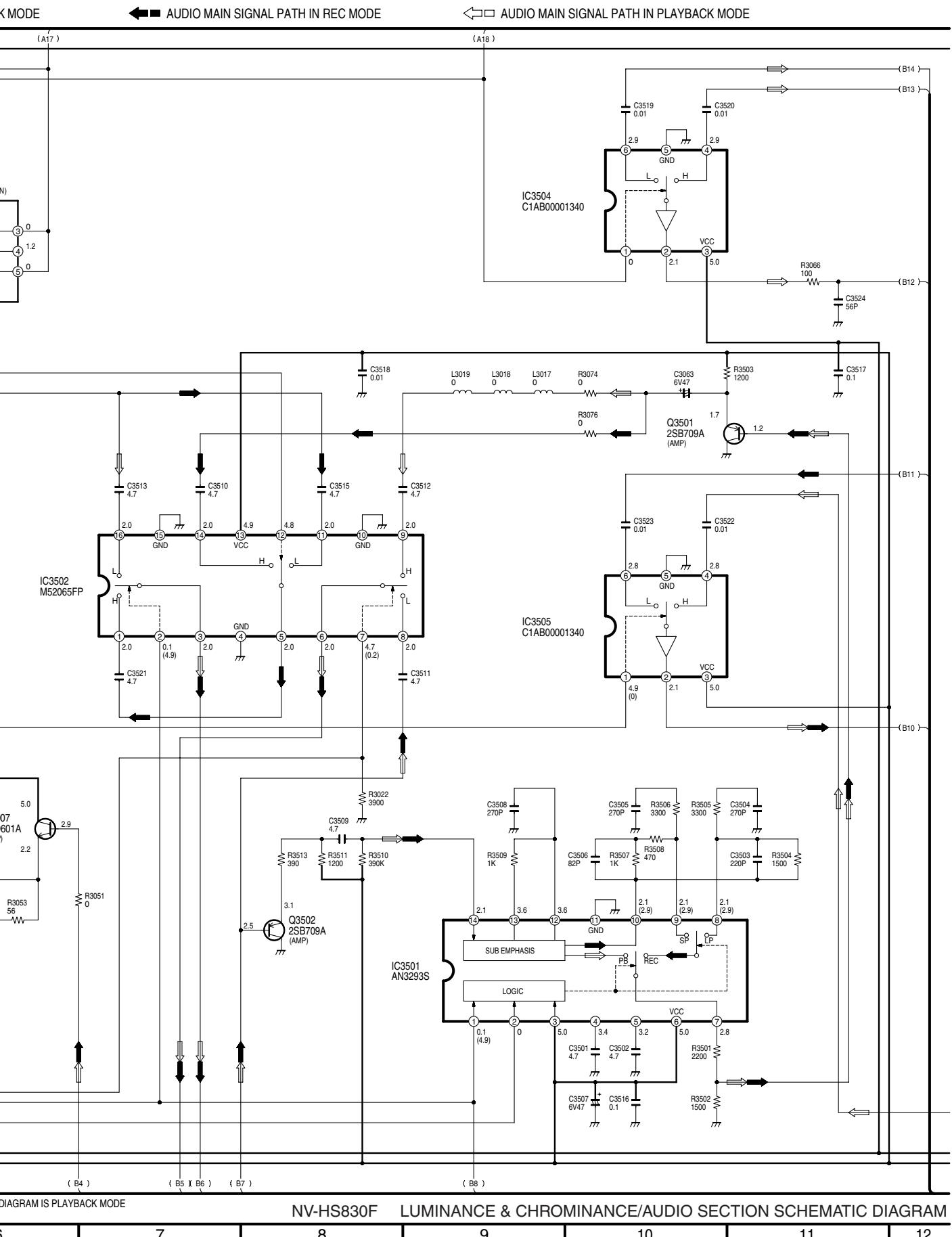
17

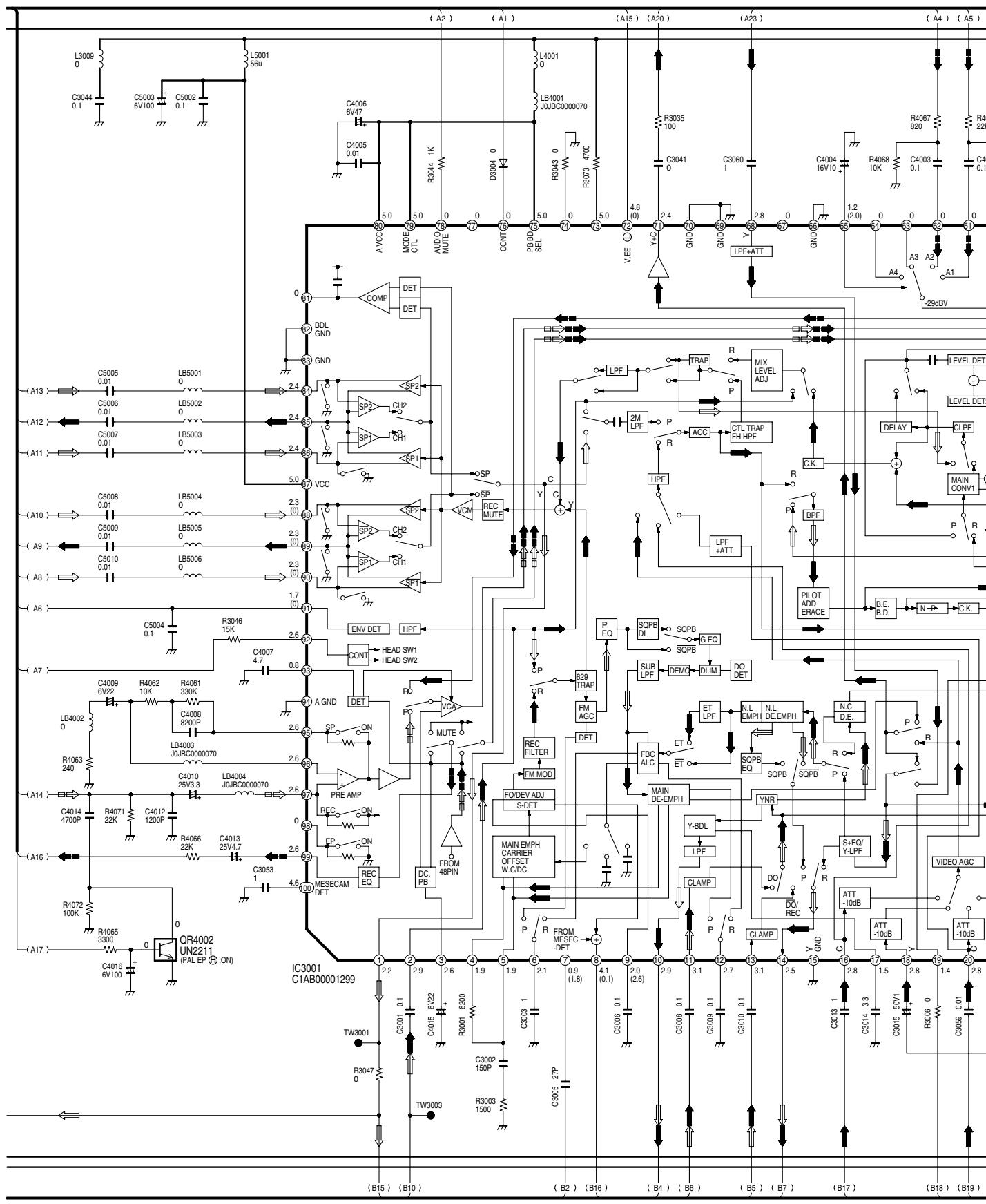


8.5. LUMINANCE & CHROMINANCE/ AUDIO SECTION IN MAIN SCHEMATIC DIAGRAM



C DIAGRAM





NV-HS830F LUMINANCE & CHROMINANCE/AUDIO SECTION SCHEMATIC DIAGRAM

NOTE: DO NOT ORDER IN THIS ORDER

12

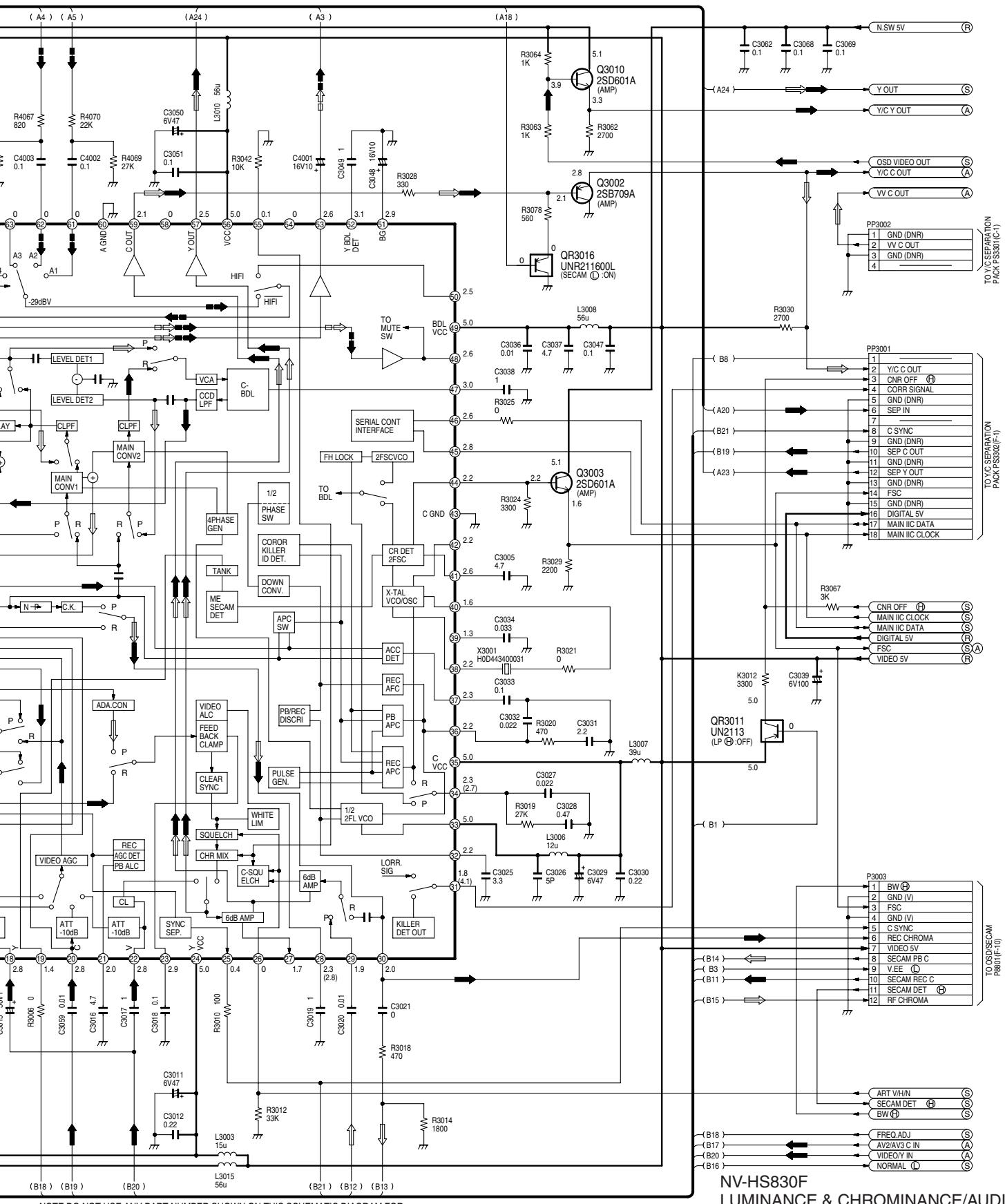
13

14

15

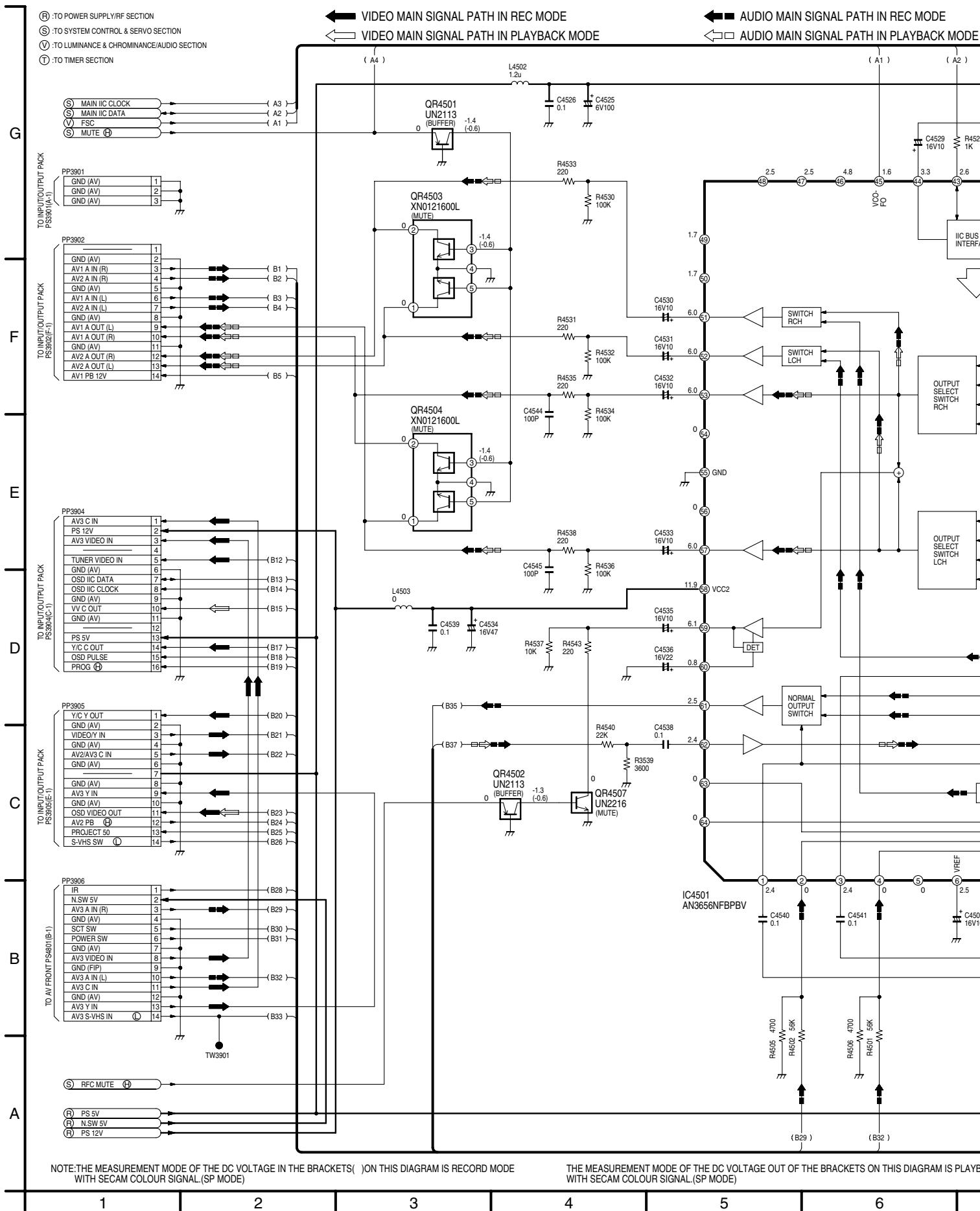
16

17

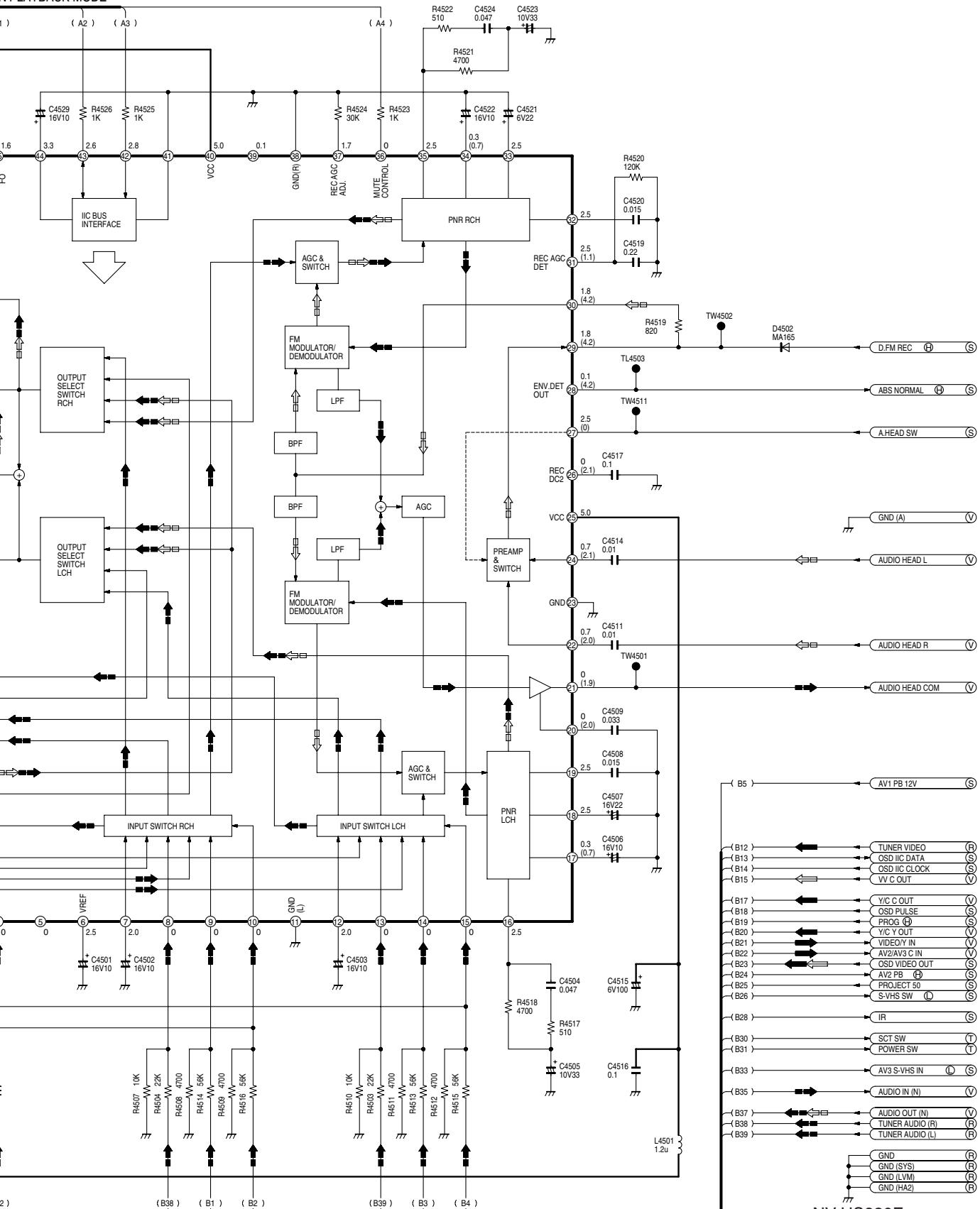


NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

8.6. Hi-Fi AUDIO SECTION IN MAIN SCHEMATIC DIAGRAM



IN REC MODE
IN PLAYBACK MODE

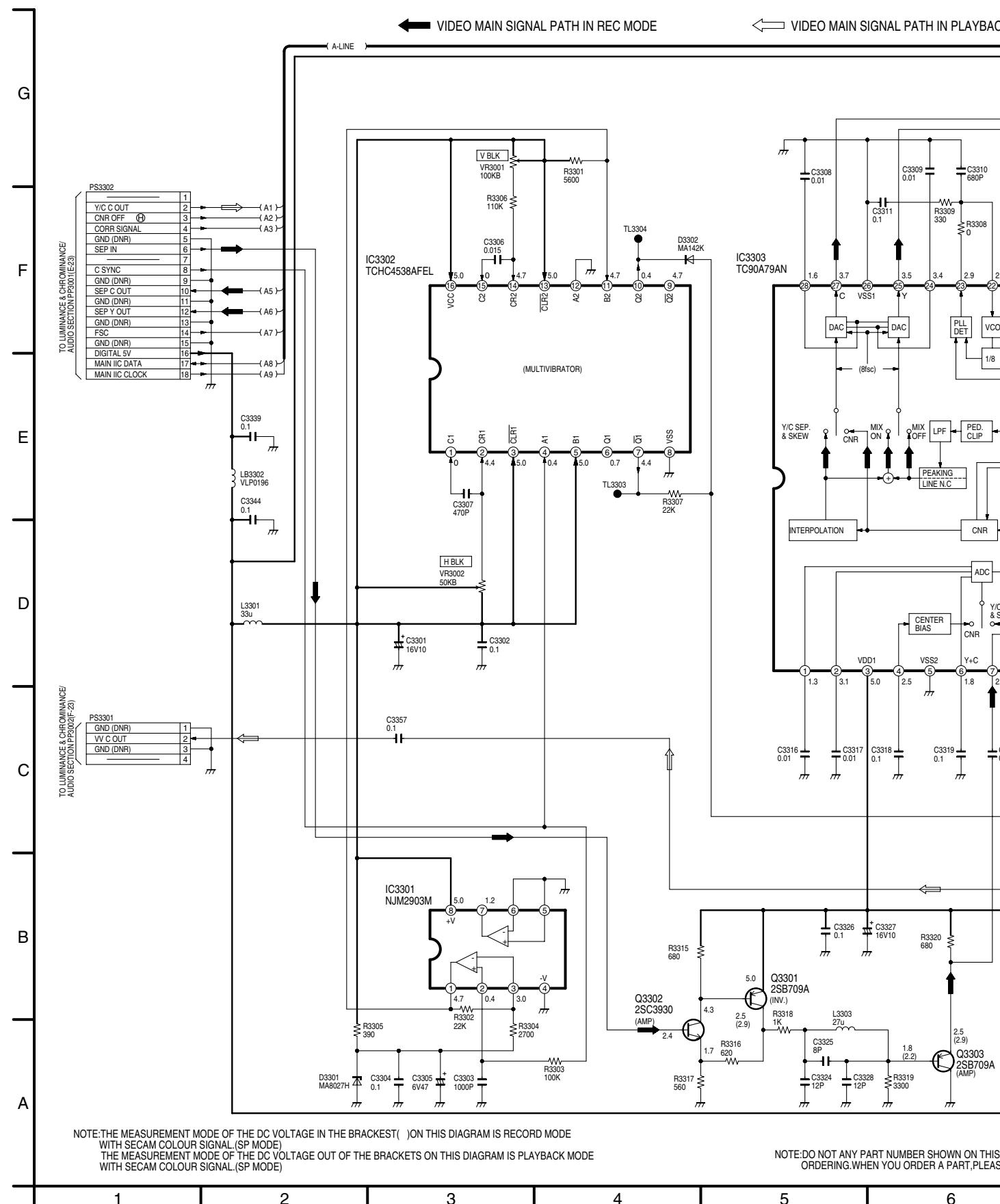


THIS DIAGRAM IS PLAYBACK MODE

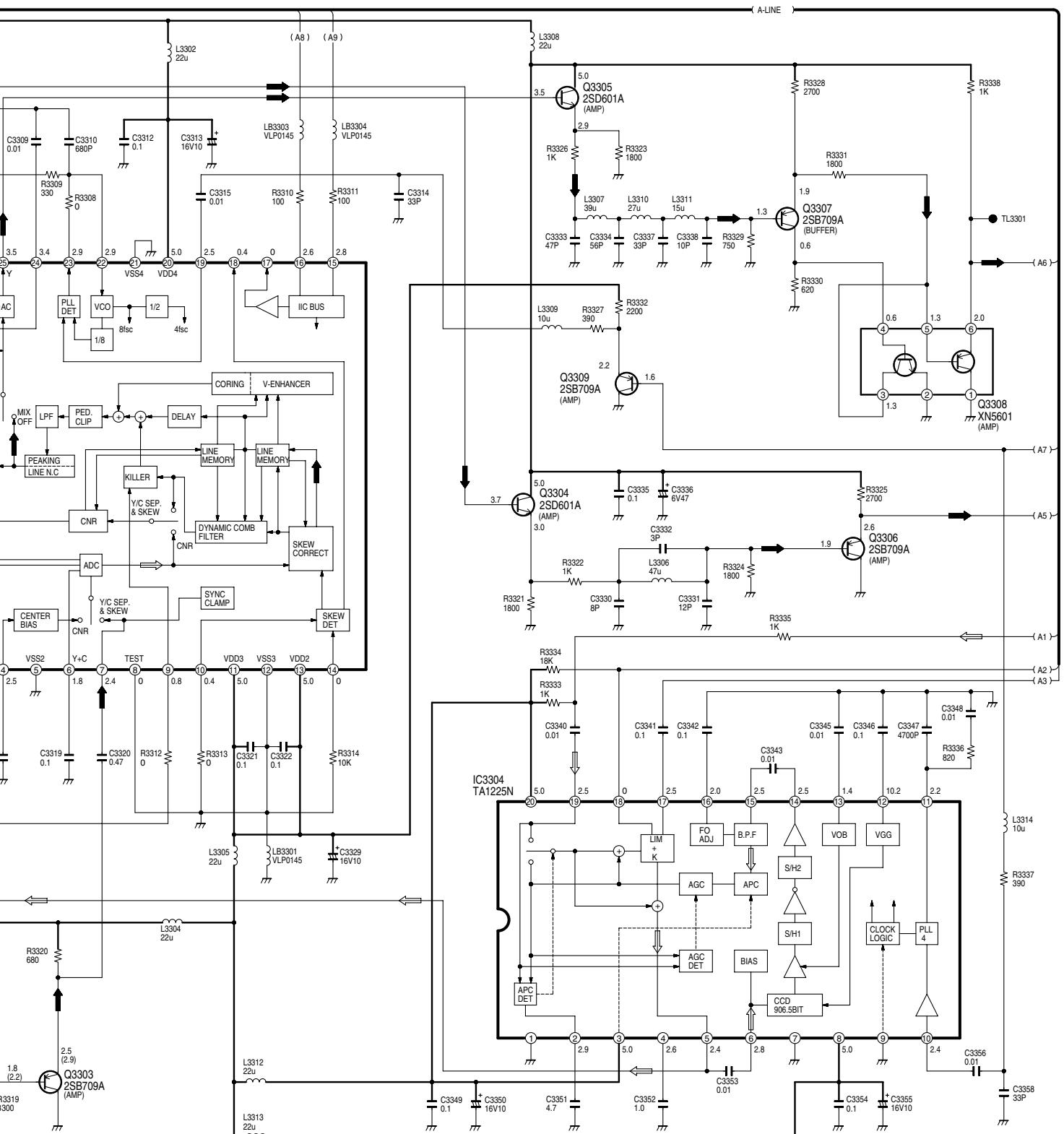
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS
SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU
ORDER A PART, PLEASE REFER TO PARTS LIST.

NV-HS830F
Hi-Fi AUDIO SECTION
SCHEMATIC DIAGRAM

8.7. Y/C SEPARATION PACK SCHEMATIC DIAGRAM



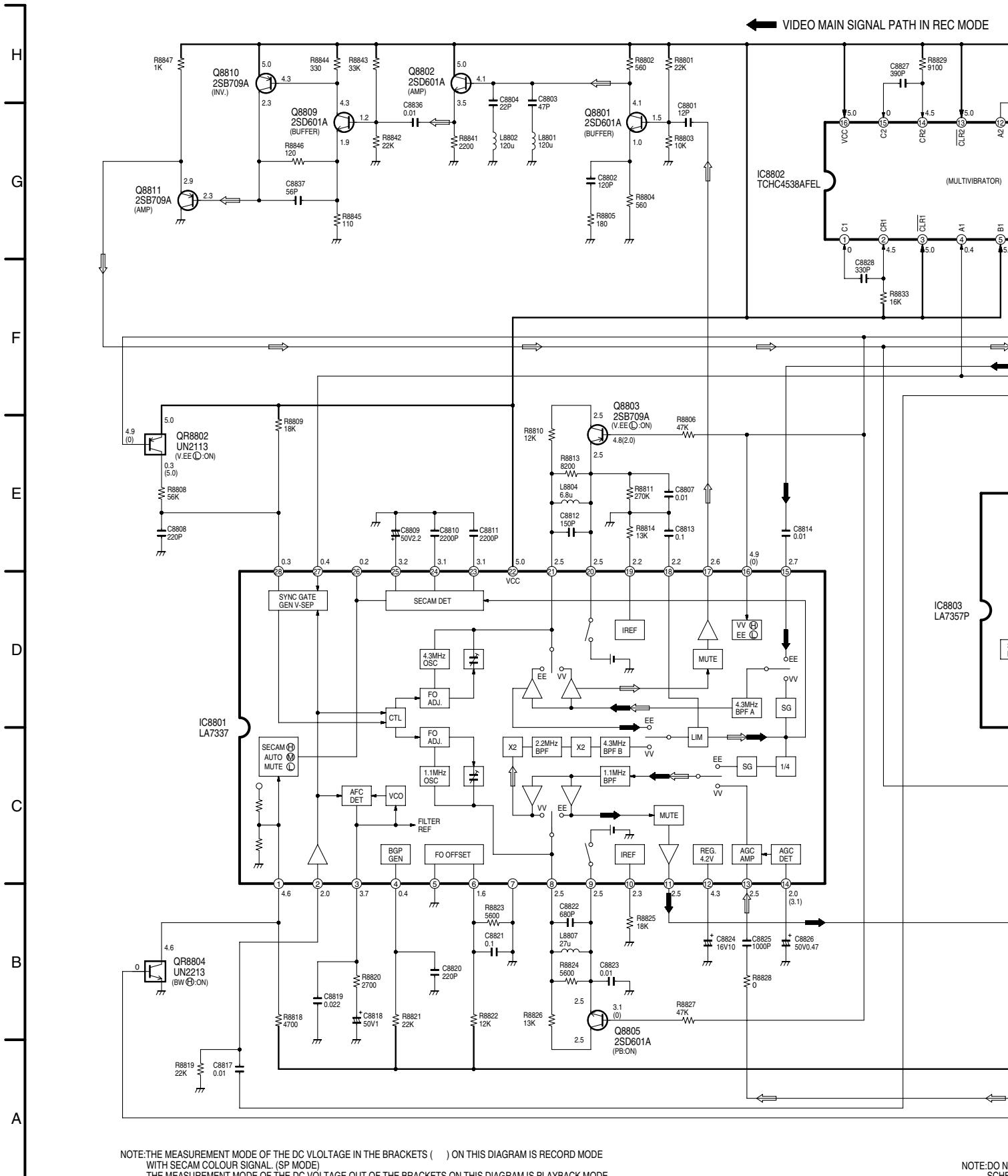
L PATH IN PLAYBACK MODE



NV-HS830F
Y/C SEPARATION PACK
SCHEMATIC DIAGRAM

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

8.8. OSD/ SECAM SCHEMATIC DIAGRAM

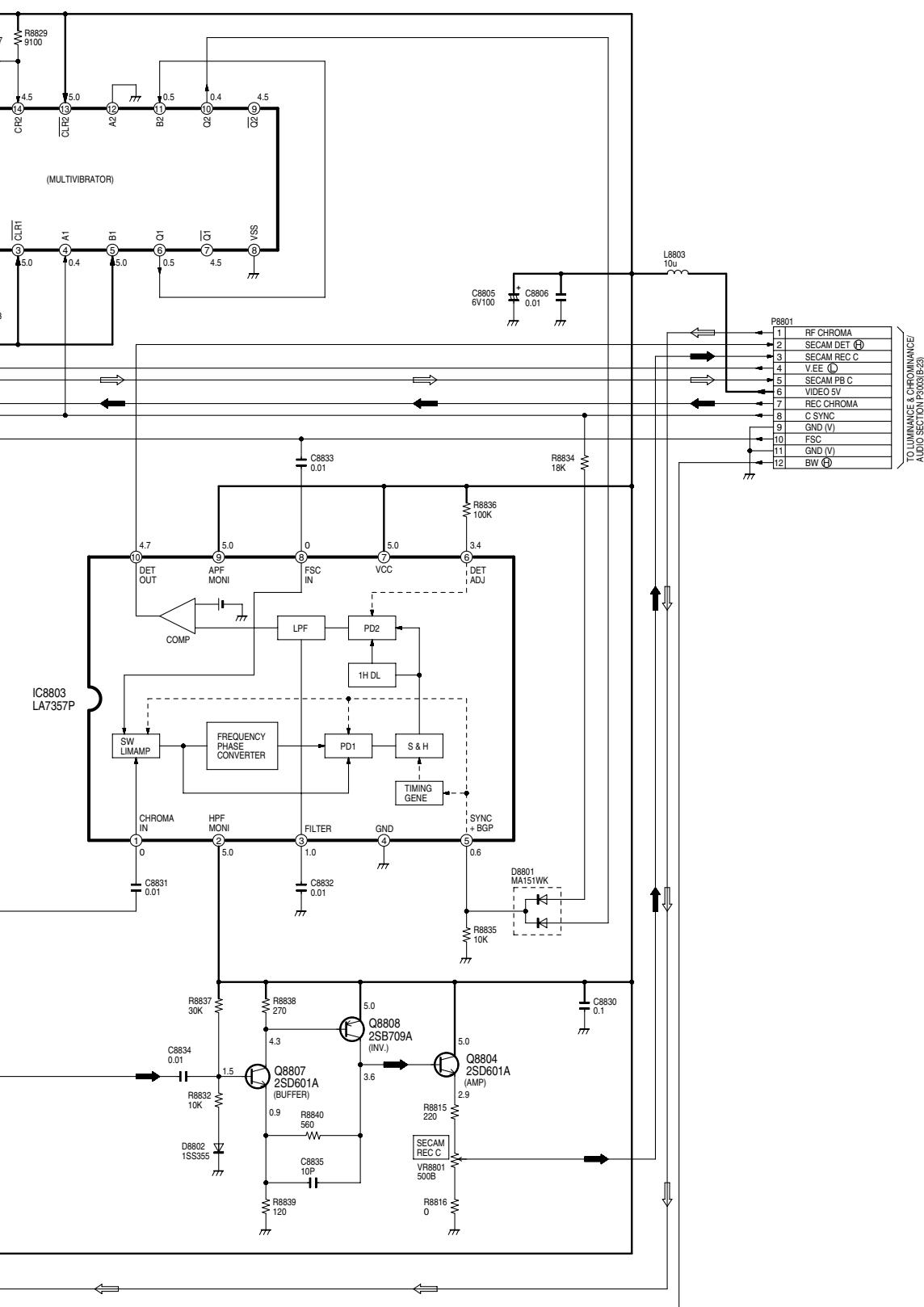


NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS () ON THIS DIAGRAM IS RECORD MODE
WITH SECAM COLOUR SIGNAL. (SP MODE)
THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE
WITH SECAM COLOUR SIGNAL. (SP MODE)

NOTE: DO NOT
TURN OFF THE
POWER IN ORDER
TO MEASURE THE
DC VOLTAGE.

TH IN REC MODE

VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE

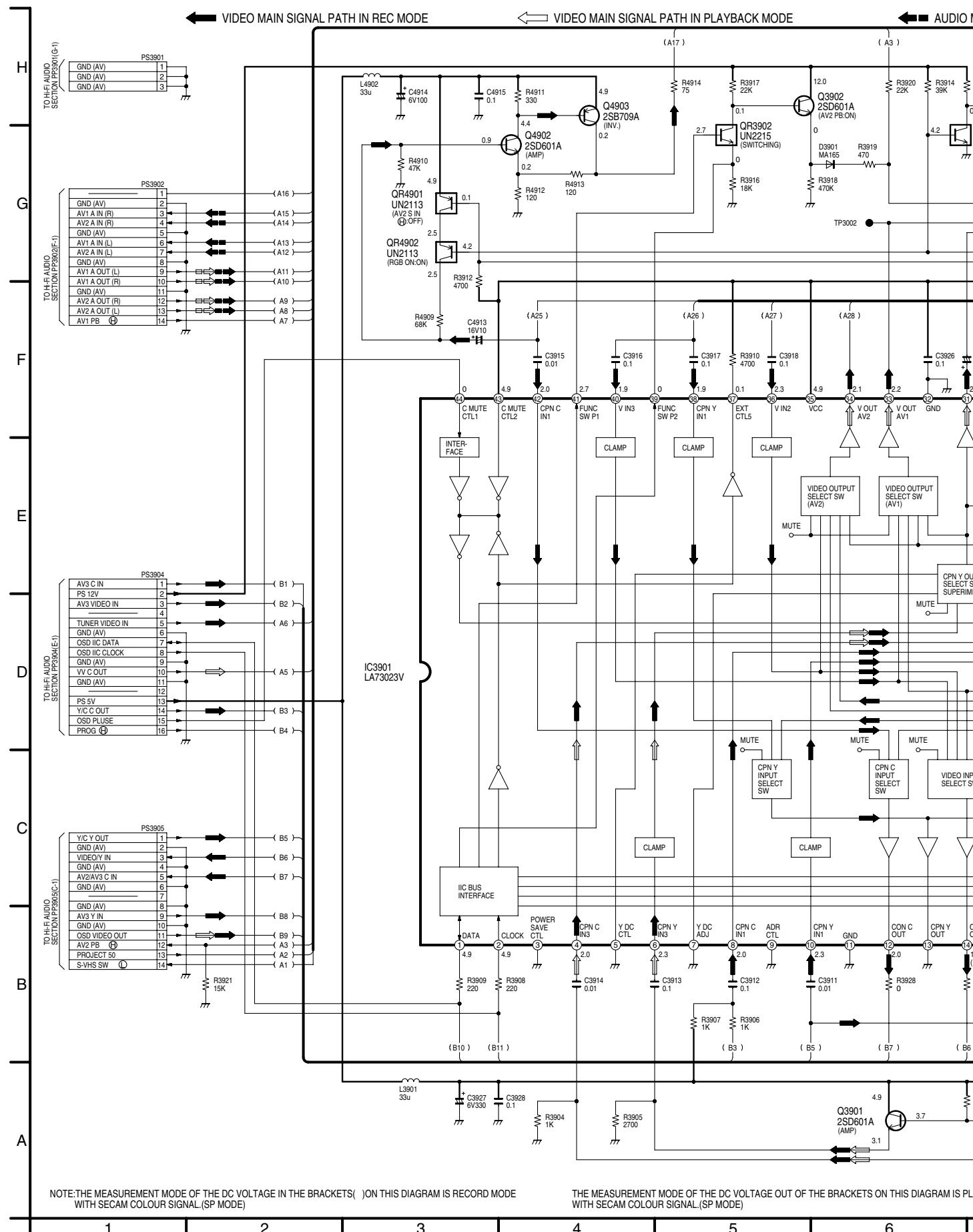


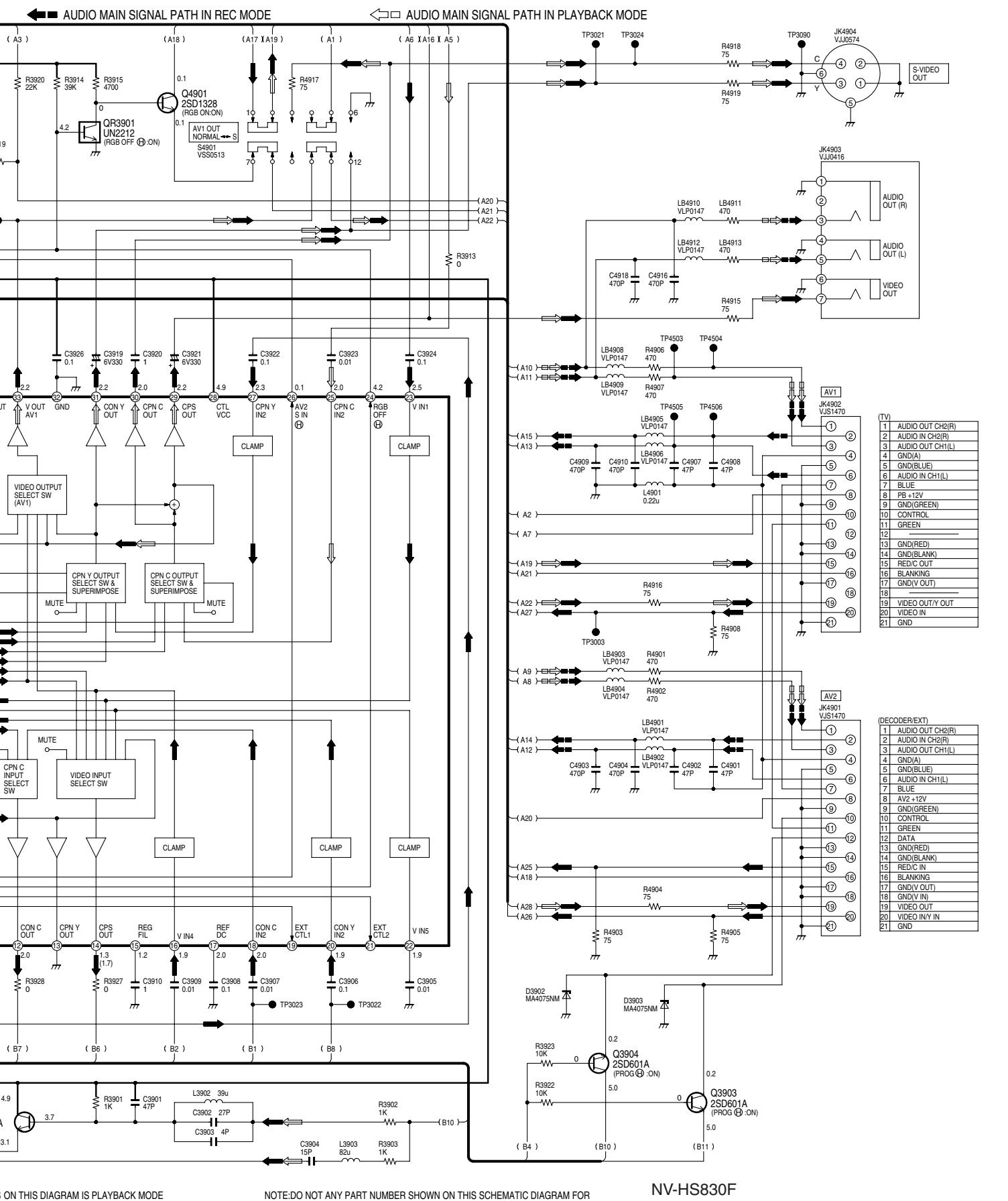
NV-HS830F
OSD/SECAM SCHEMATIC DIAGRAM

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

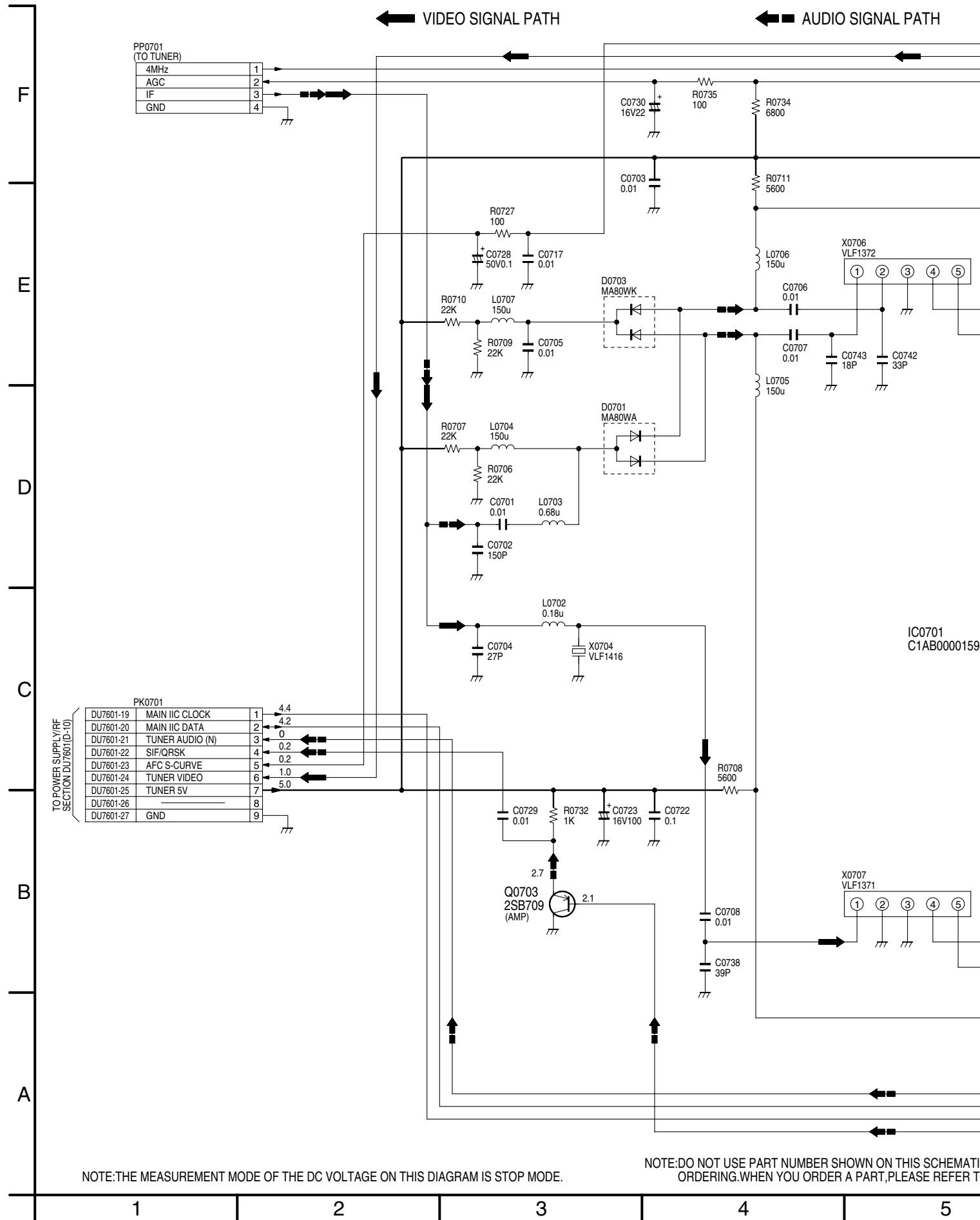
7 8 9 10 11

8.9. INPUT/ OUTPUT PACK SCHEMATIC DIAGRAM

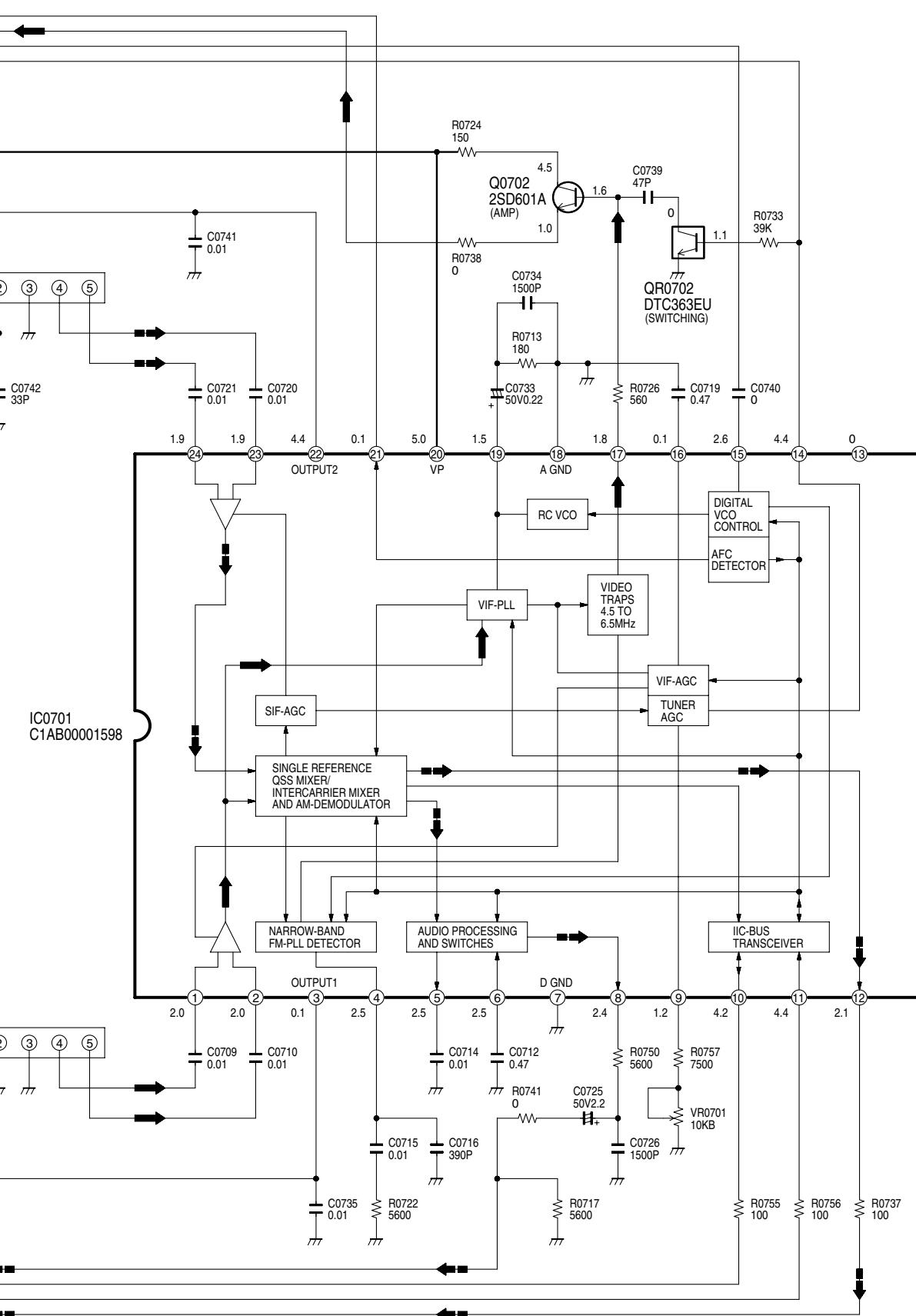




8.10. TV DEMODULATOR PACK SCHEMATIC DIAGRAM



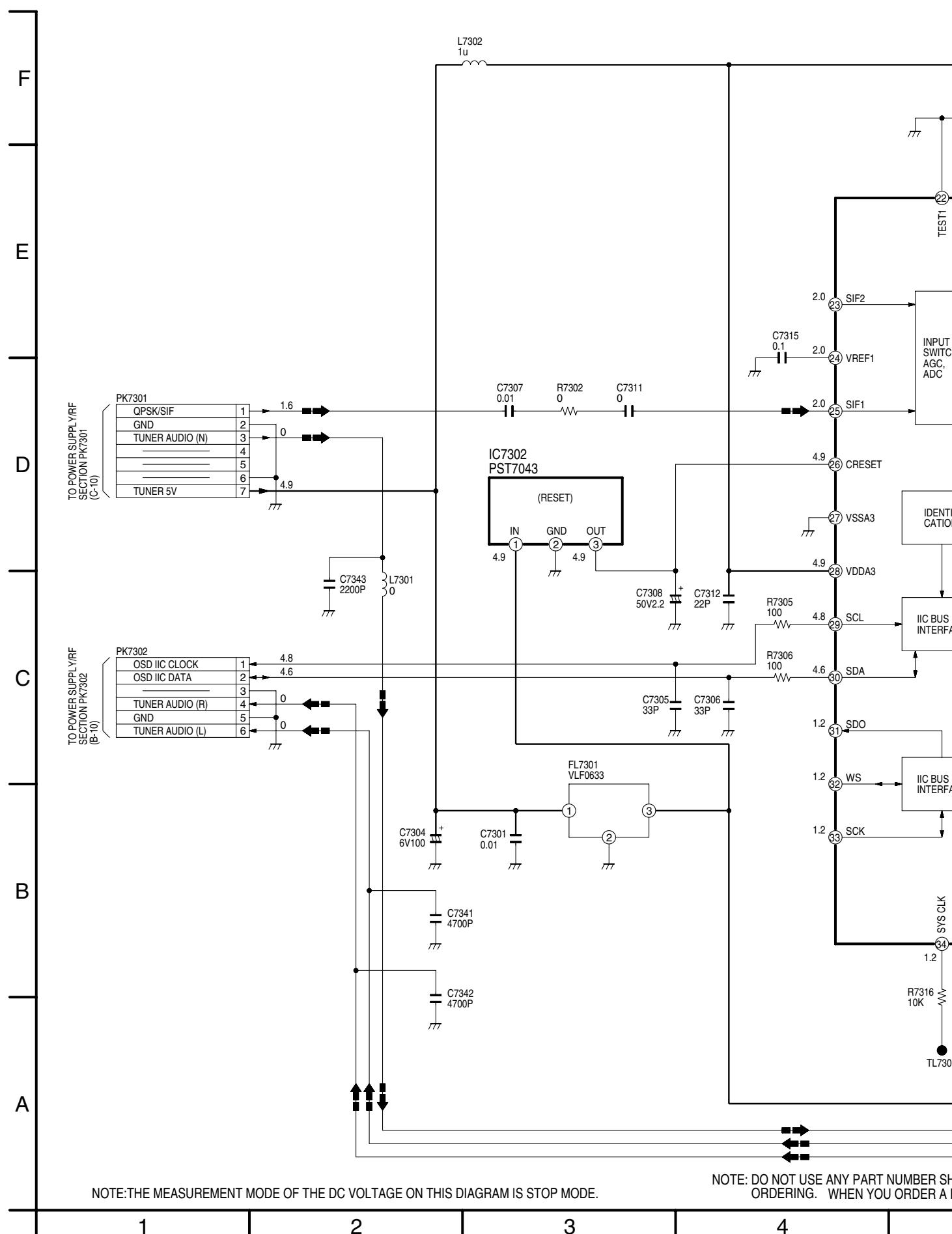
AL PATH



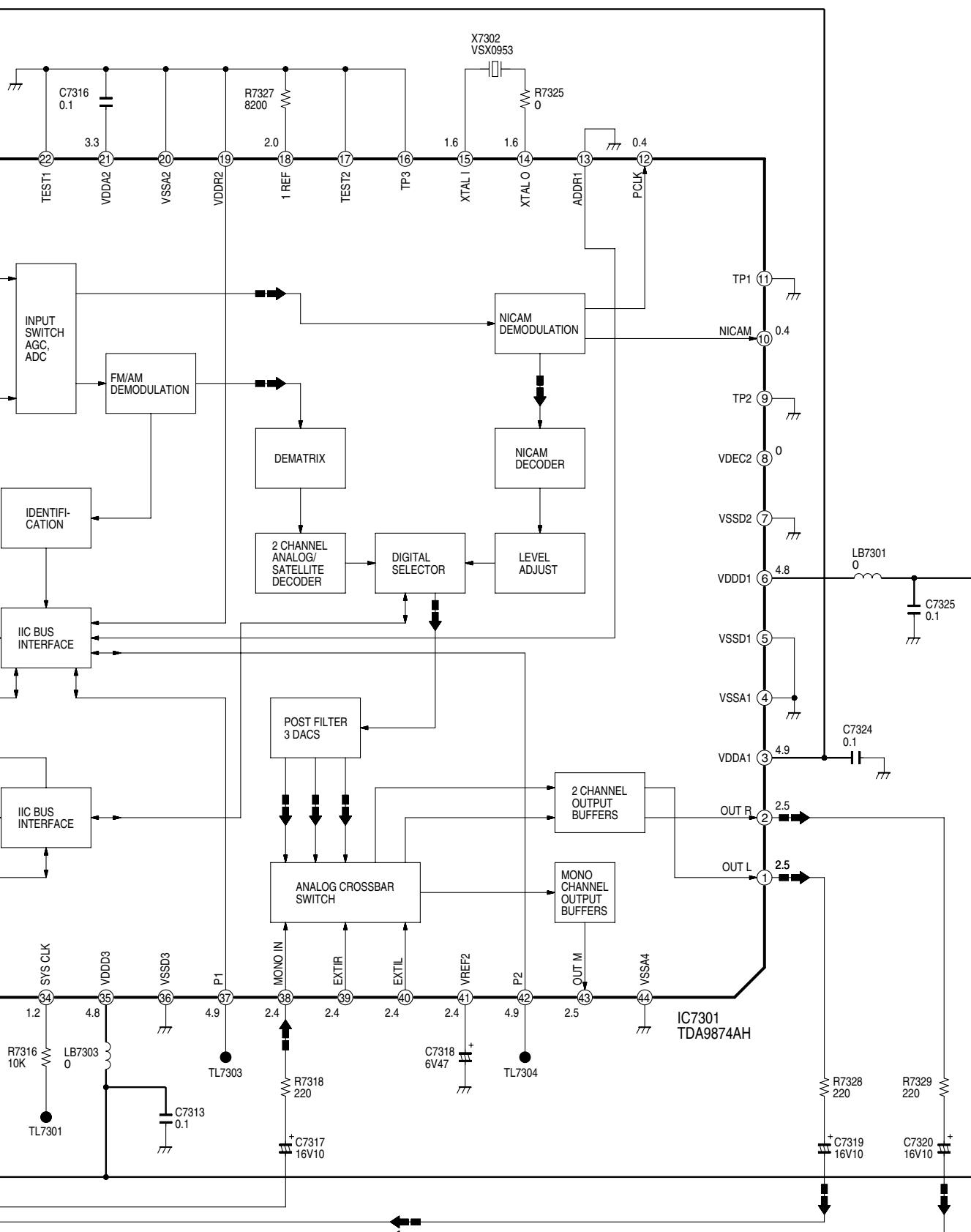
ON THIS SCHEMATIC DIAGRAM FOR
, PLEASE REFER TO PARTS LIST.

NV-HS830F
TV DEMODULATOR PACK SCHEMATIC DIAGRAM

8.11. NICAM DECODER PACK SCHEMATIC DIAGRAM



■ AUDIO SIGNAL PATH

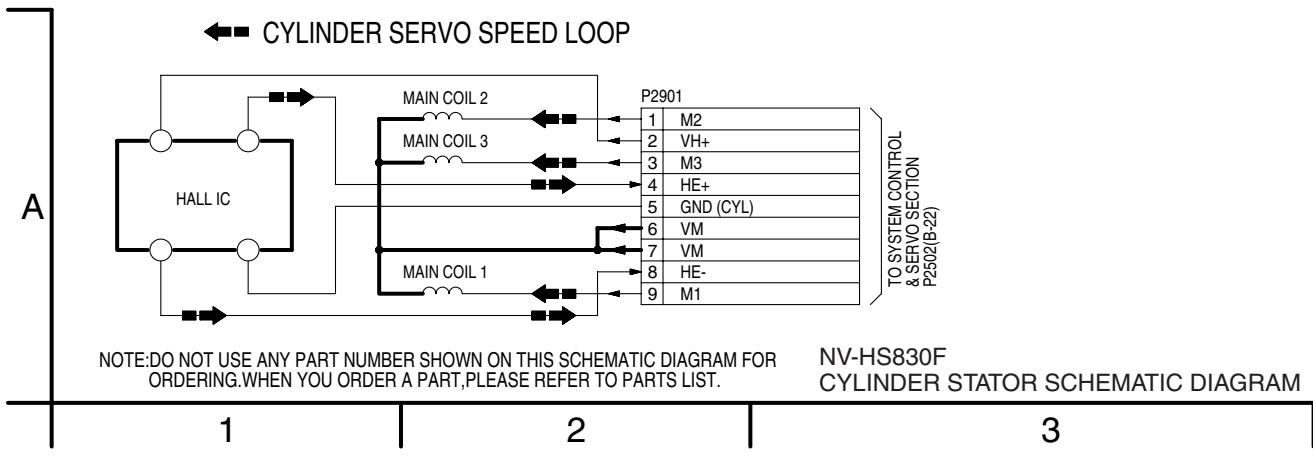


PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR
EN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

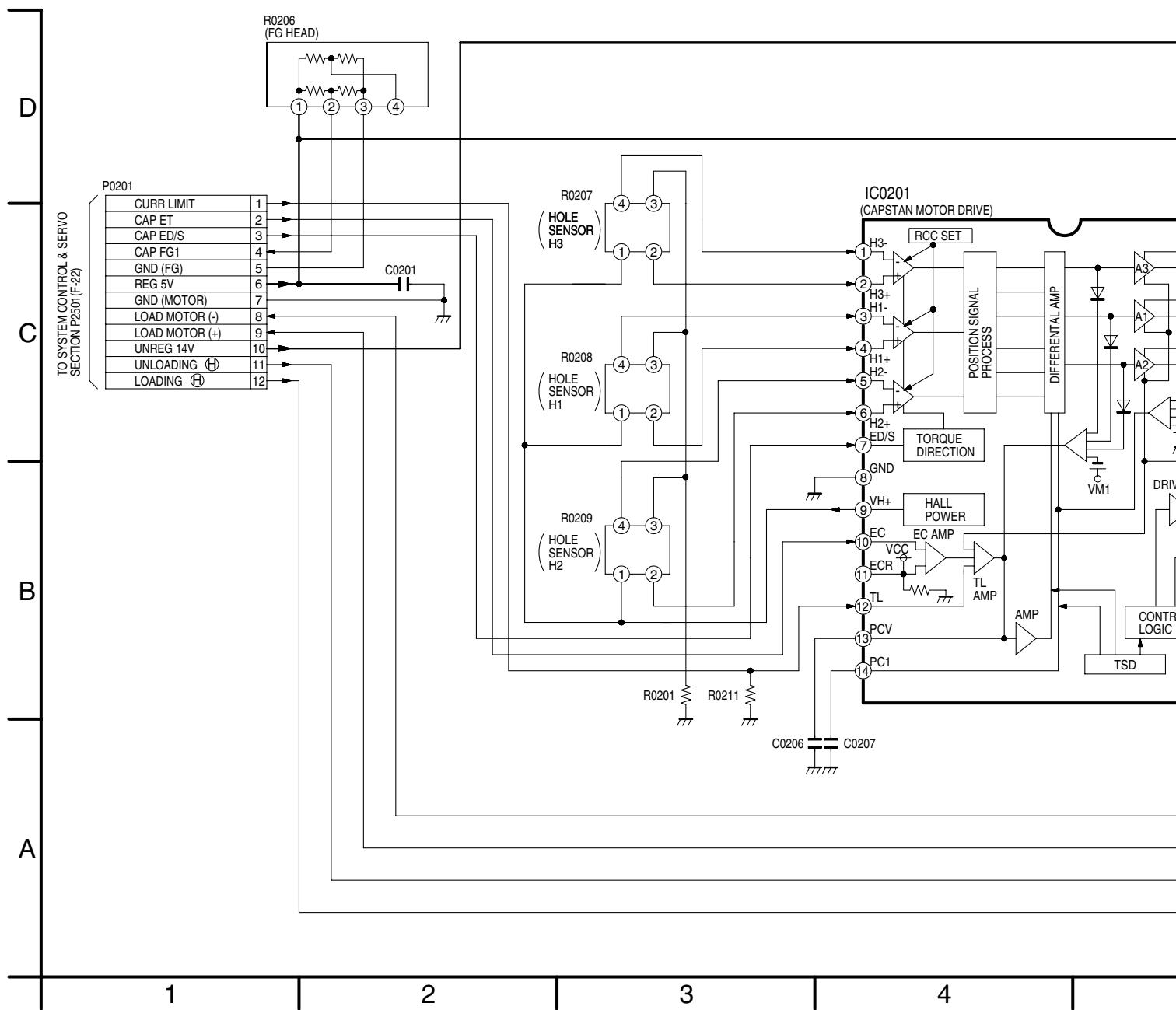
NV-HS830F
NICAM DECODER PACK SCHEMATIC DIAGRAM

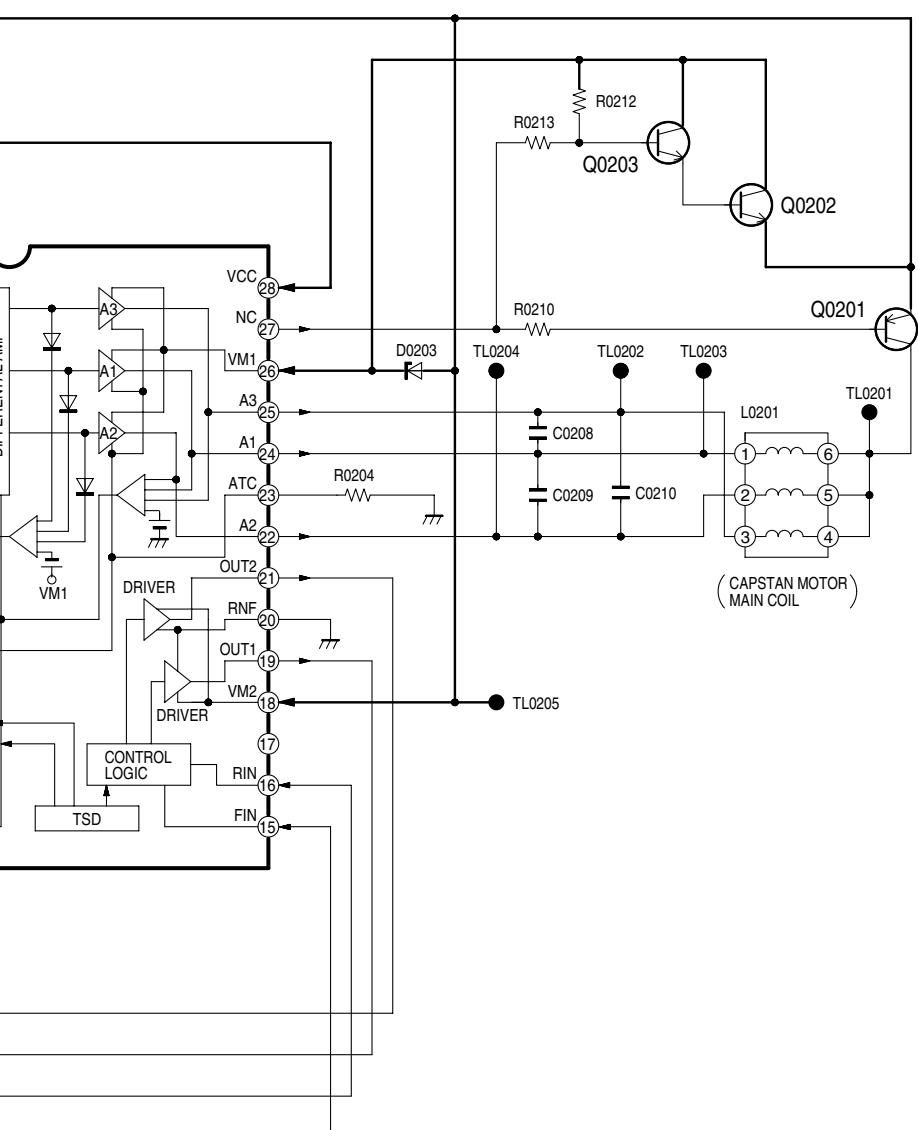
5 6 7 8

8.12. CYLINDER STATOR UNIT SCHEMATIC DIAGRAM



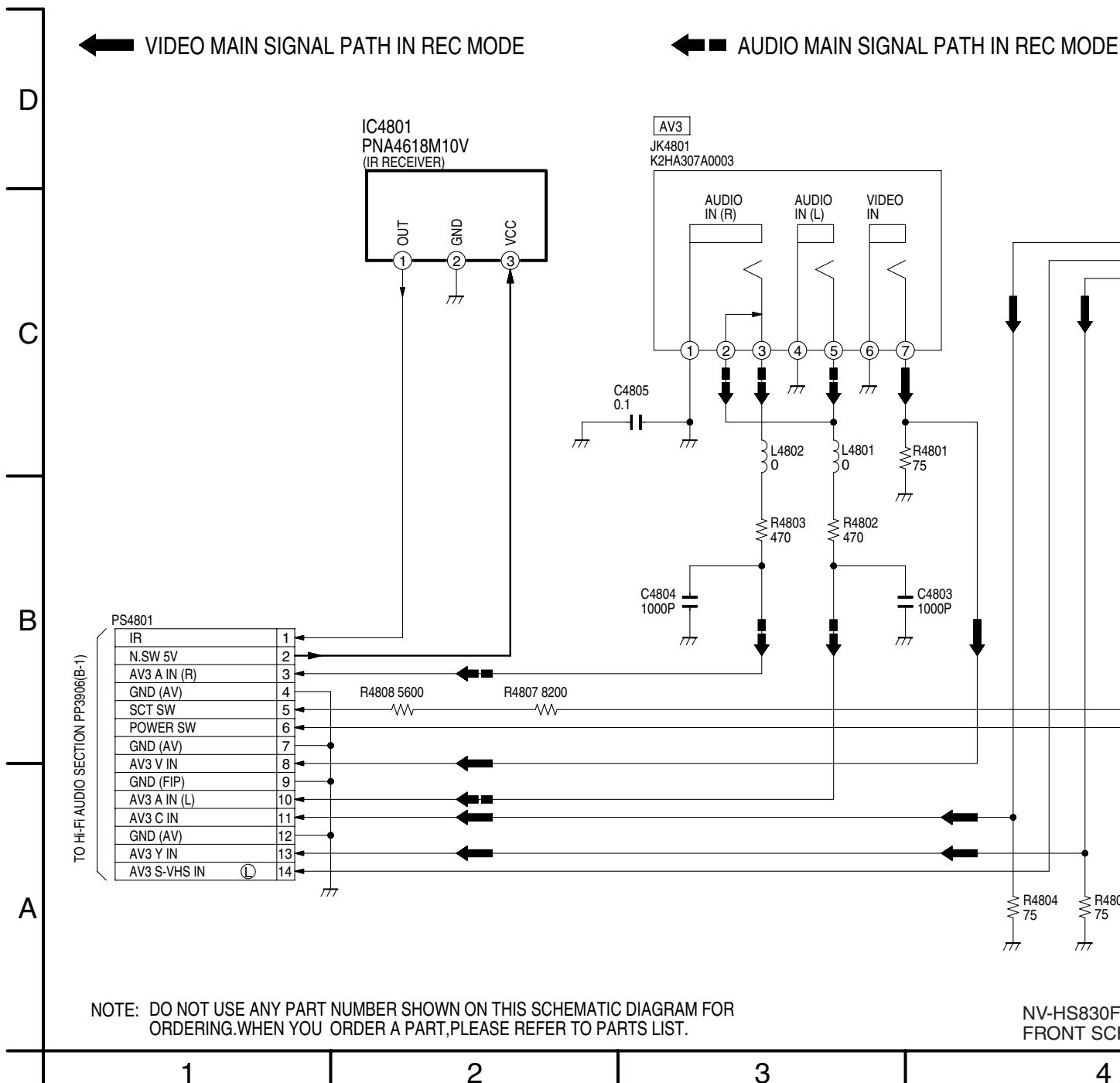
8.13. CAPSTAN UNIT SCHEMATIC DIAGRAM



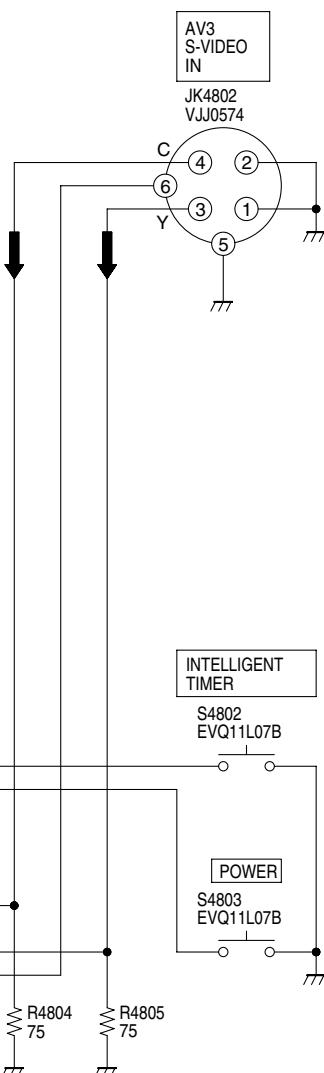


NV-HS830F
CAPSTAN UNIT SCHEMATIC DIAGRAM

8.14. AV FRONT SCHEMATIC DIAGRAM



N REC MODE



NV-HS830F
FRONT SCHEMATIC DIAGRAM