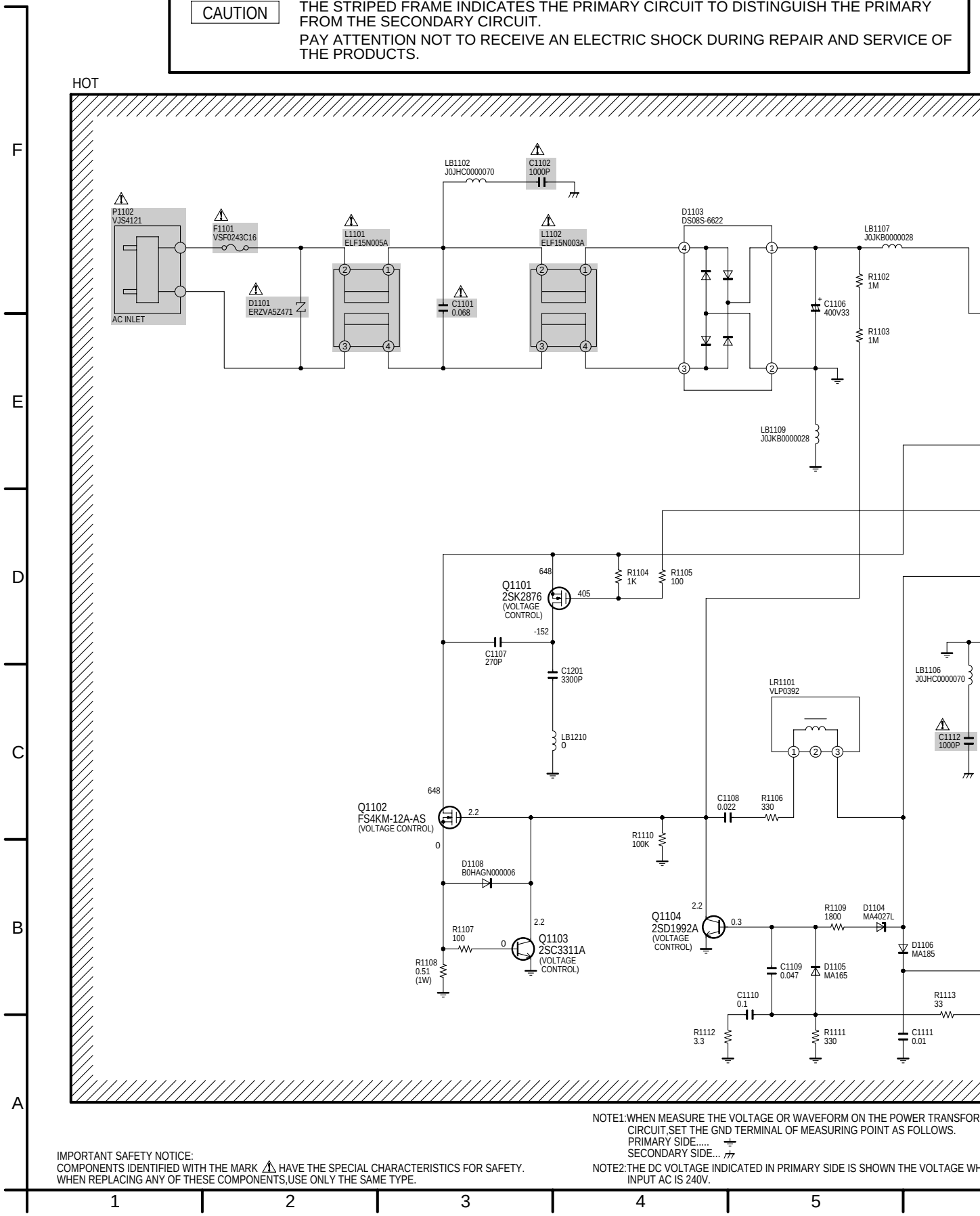
8 SCHEMATIC DIAGRAMS

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.



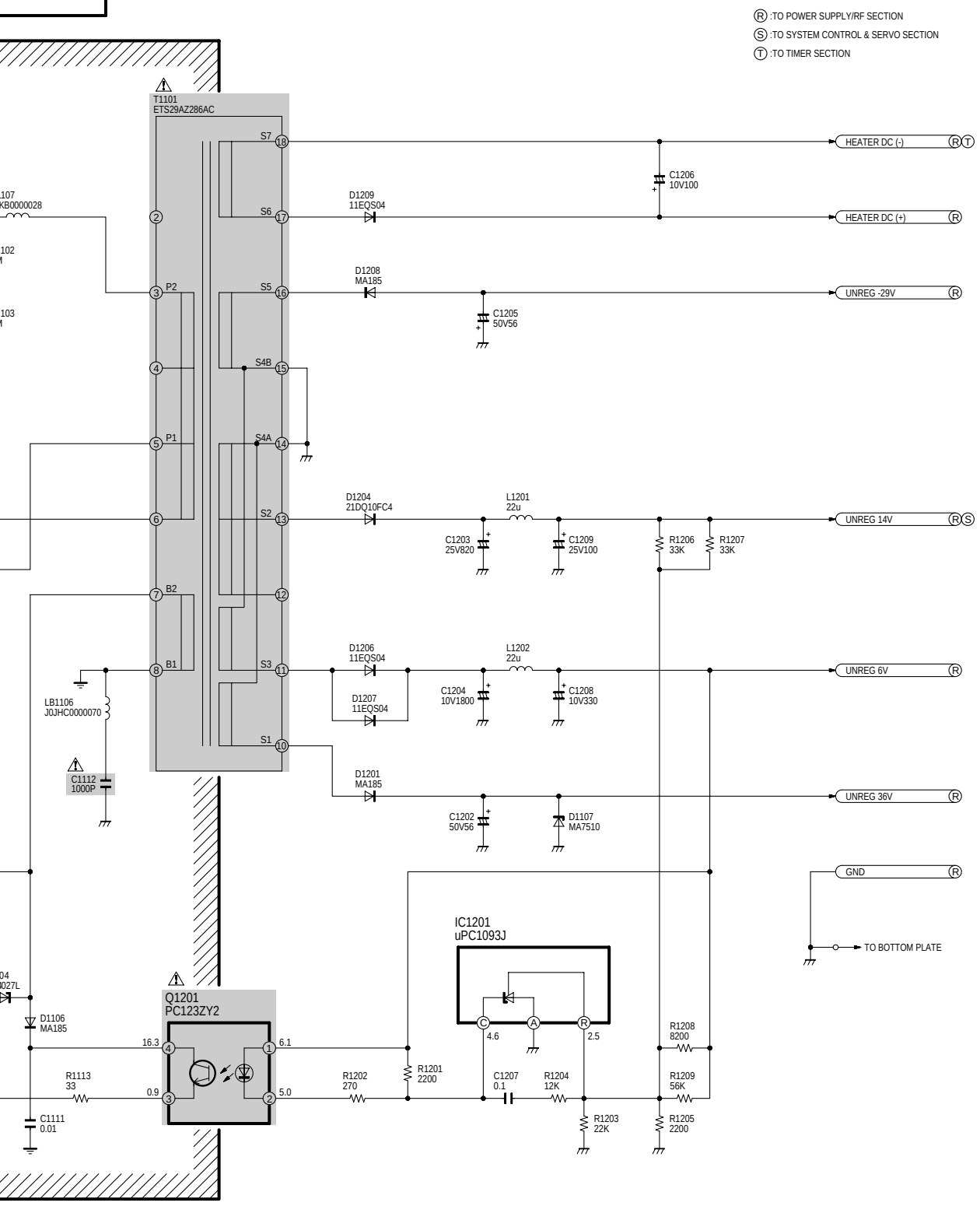
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,USE ONLY THE SAME TYPE.

NOTE1:WHEN MEASURE THE VOLTAGE OR WAVEFORM ON THE POWER TRANSFOR
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 WH
INPUT AC IS 240V.

M

RIMARY
ERVICE OF



HE POWER TRANSFORMER
NT AS FOLLOWS.

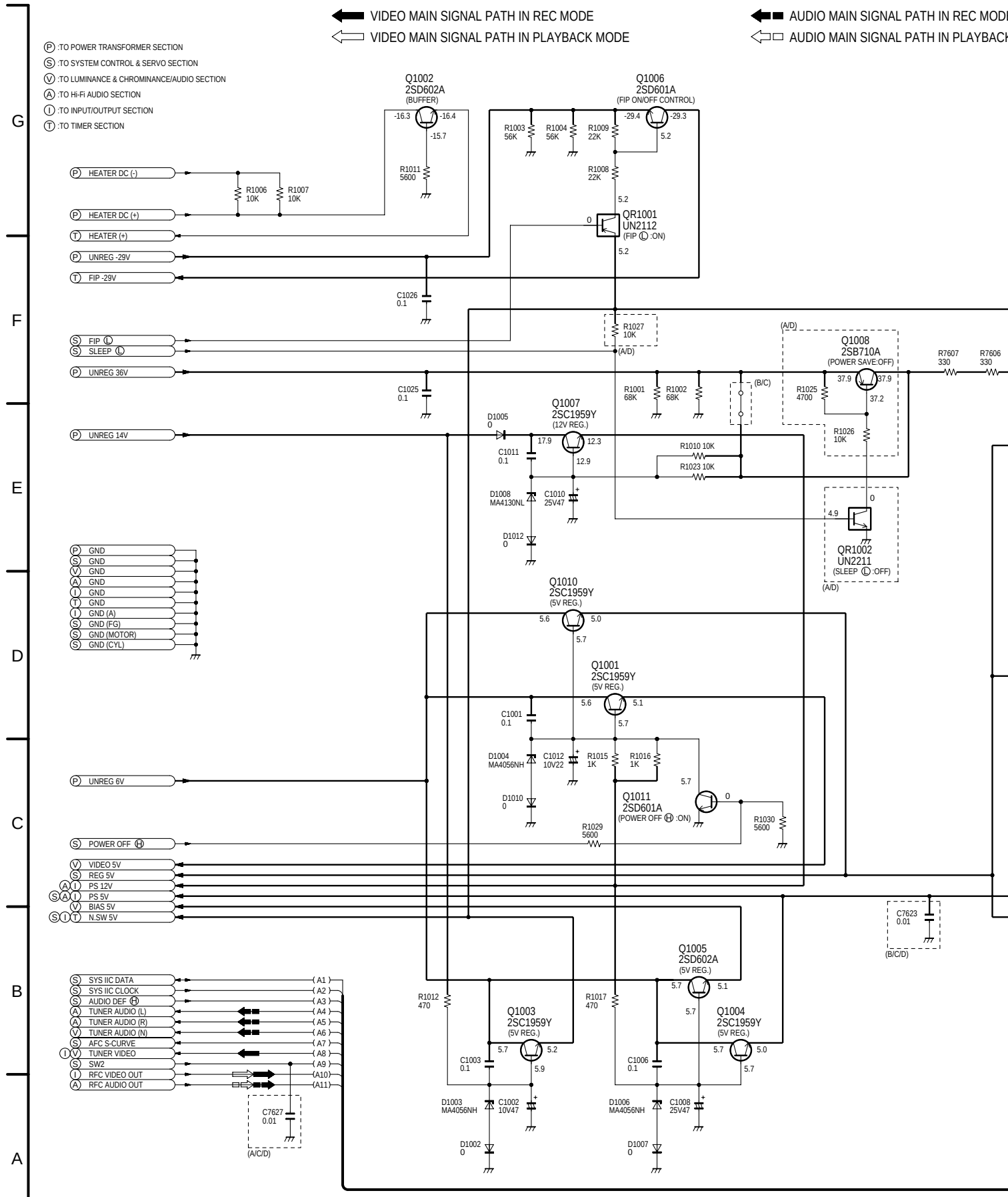
OWN THE VOLTAGE WHEN

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 MEASURMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NV-FJ631EG/EGY/EC,
FJ630EG/EGY/B/BL/EC/ECN
POWER TRANSFORMER
SECTION SCHEMATIC DIAGRAM

6 | 7 | 8 | 9 | 10

8.2. POWER SUPPLY/ RF SECTION IN MAIN SCHEMATIC DIAGRAM

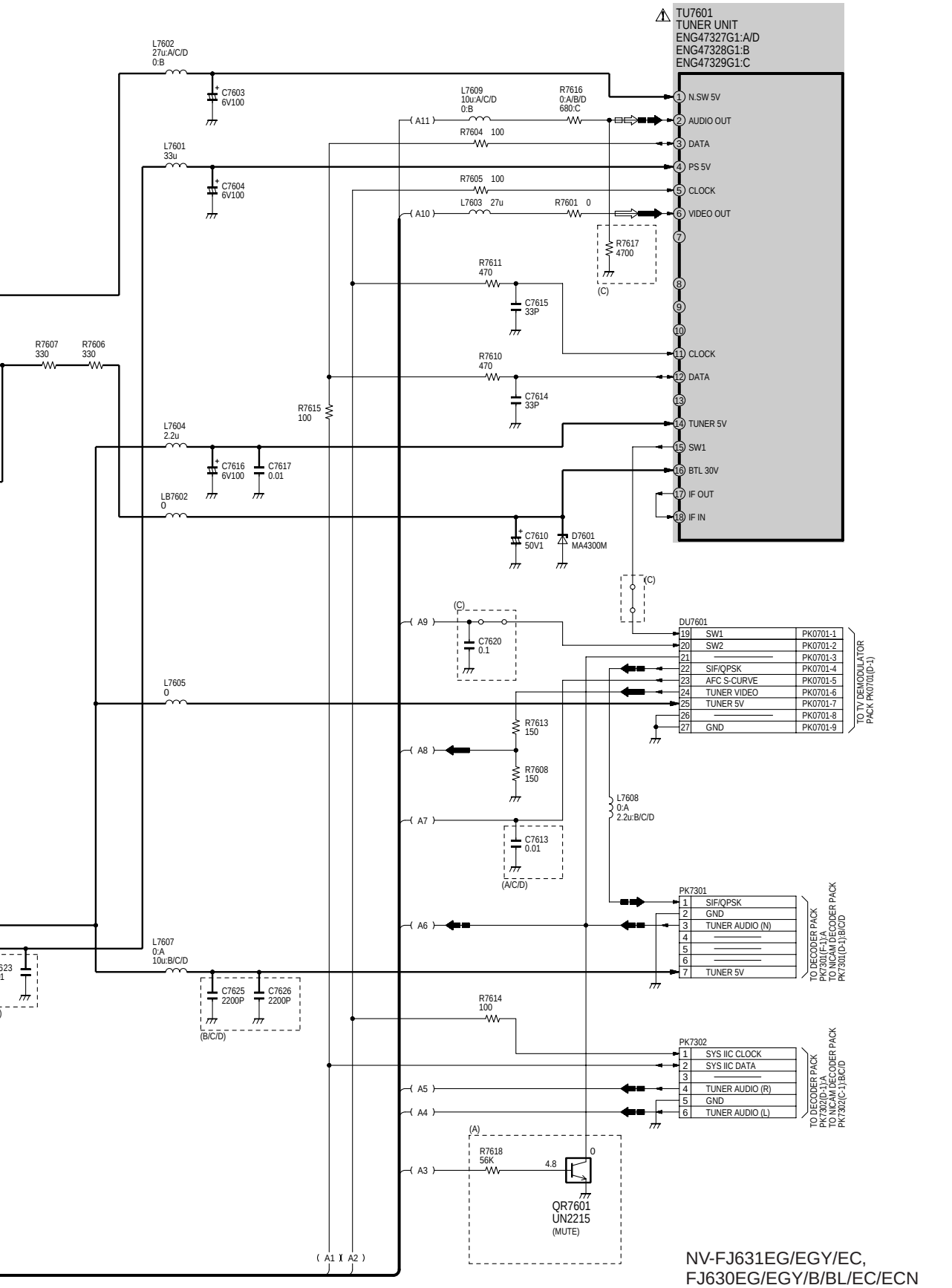


IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,USE ONLY THE SAME TYPE.

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

PATH IN REC MODE

PATH IN PLAYBACK MODE



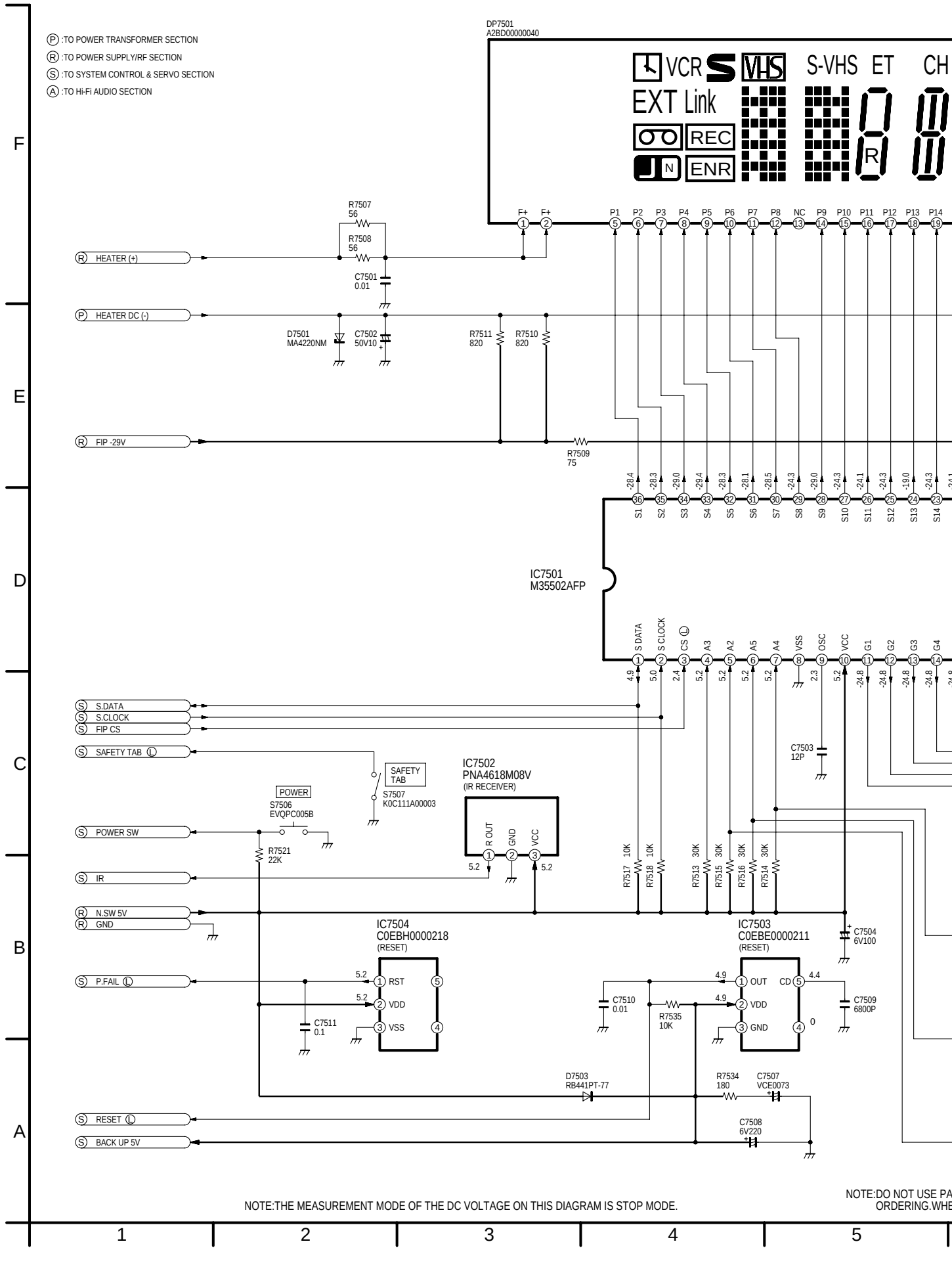
NV-FJ631EG/EGY/EC,
FJ630EG/EGY/B/BL/EC/ECN
POWER SUPPLY/RF SECTION
SCHEMATIC DIAGRAM

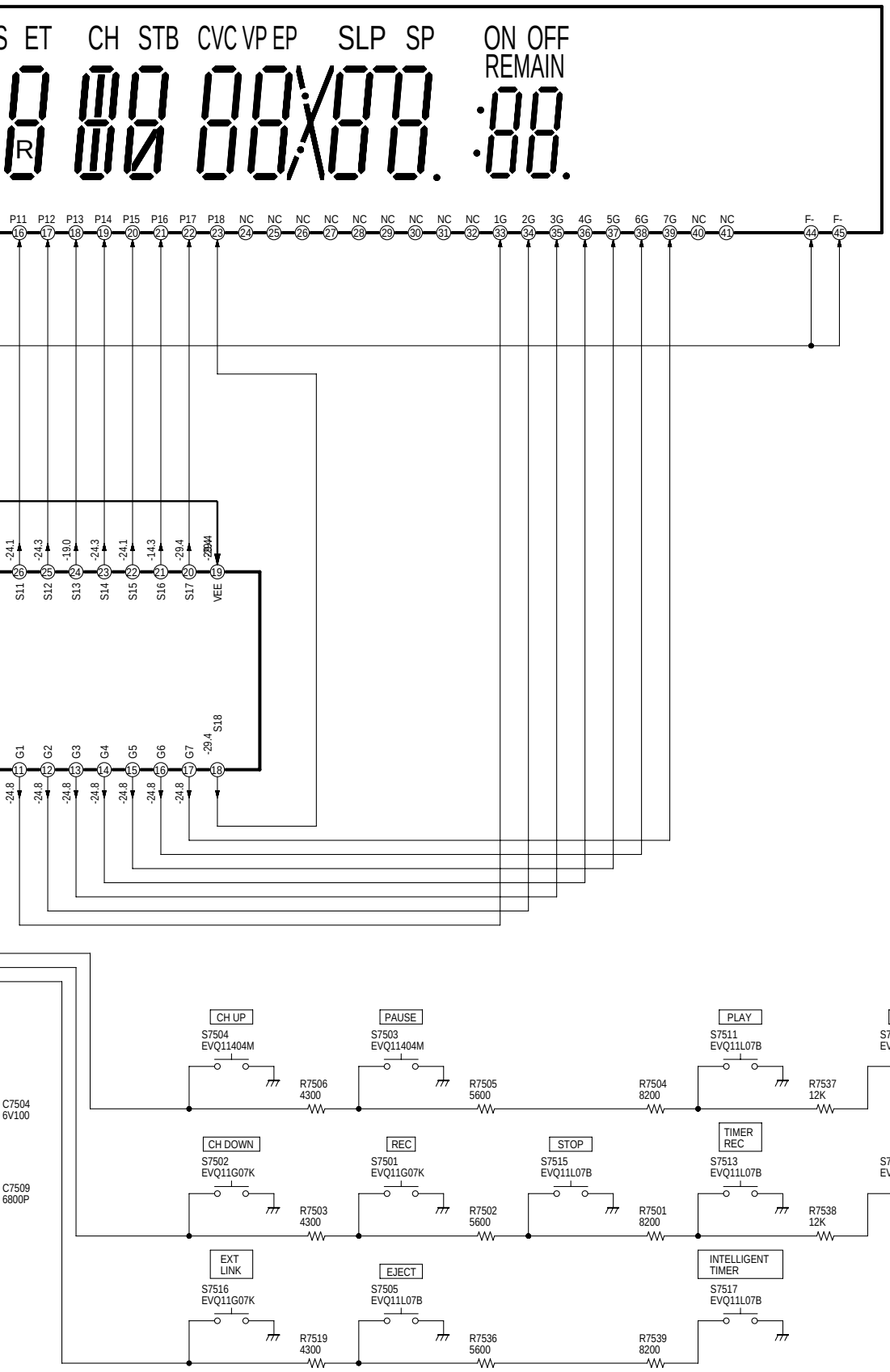
NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

STOP MODE.

6 7 8 9 10

8.3. TIMER SECTION IN MAIN SCHEMATIC DIAGRAM



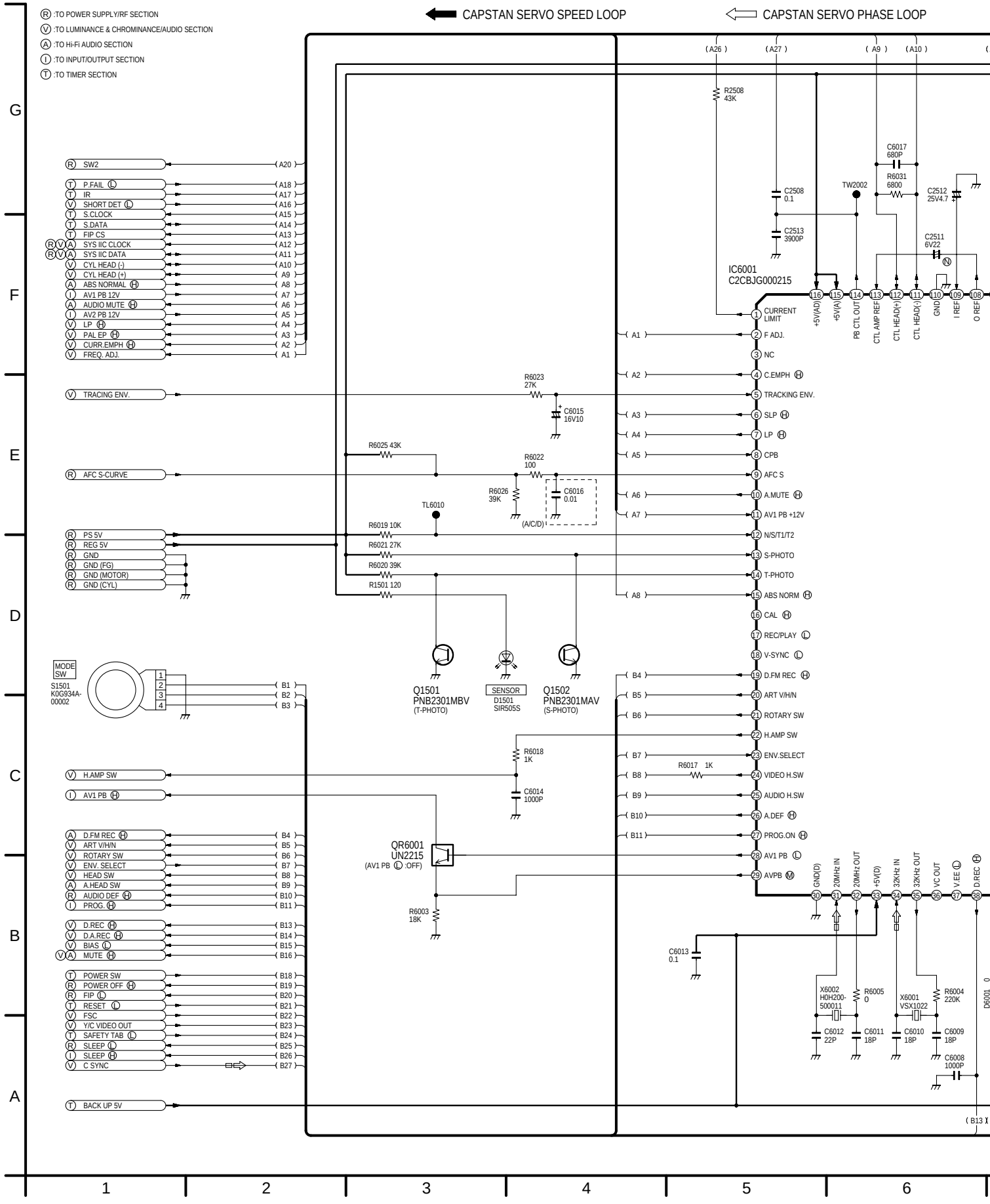


NOTE:DO NOT USE PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

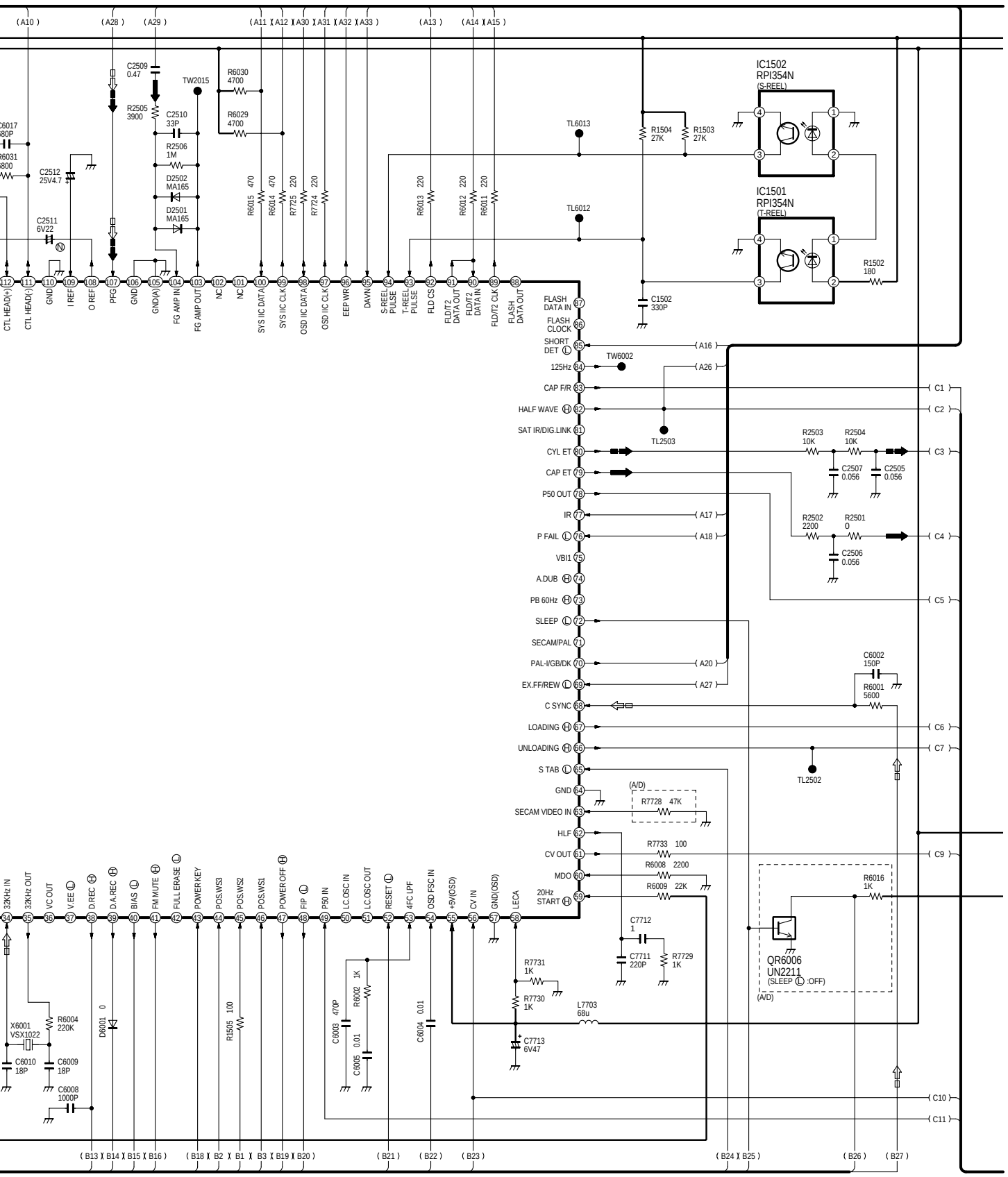
NV-FJ631EG/EGY/EC,
FJ630EG/EGY/B/BL/EC/ECN
TIMER SECTION SCHEMATIC DIAGRAM

5 | 6 | 7 | 8 | 9

8.4. SYSTEM CONTROL & SERVO SECTION IN MAIN SCHEMATIC DIAGRAM

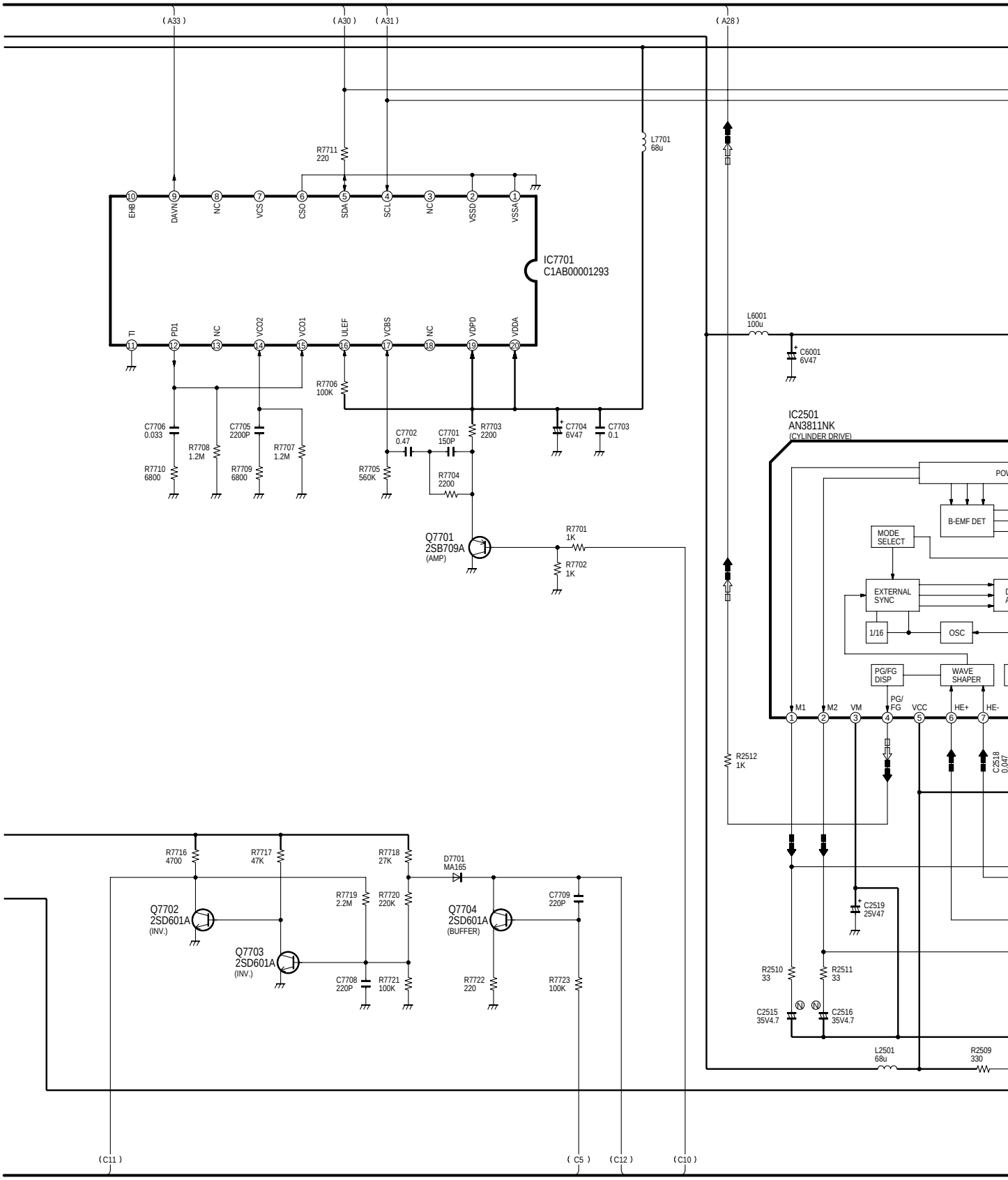


E LOOP ◀■■ CYLINDER SERVO SPEED LOOP ⇦□□ CYLINDER SERVO PHASE LOOP



NV-FJ631EG/EGY/EC,FJ630EG/EGY/B/BL/EC/ECN
SYSTEM CONTROL & SERVO SECTION SCHEMATIC DIAGRAM

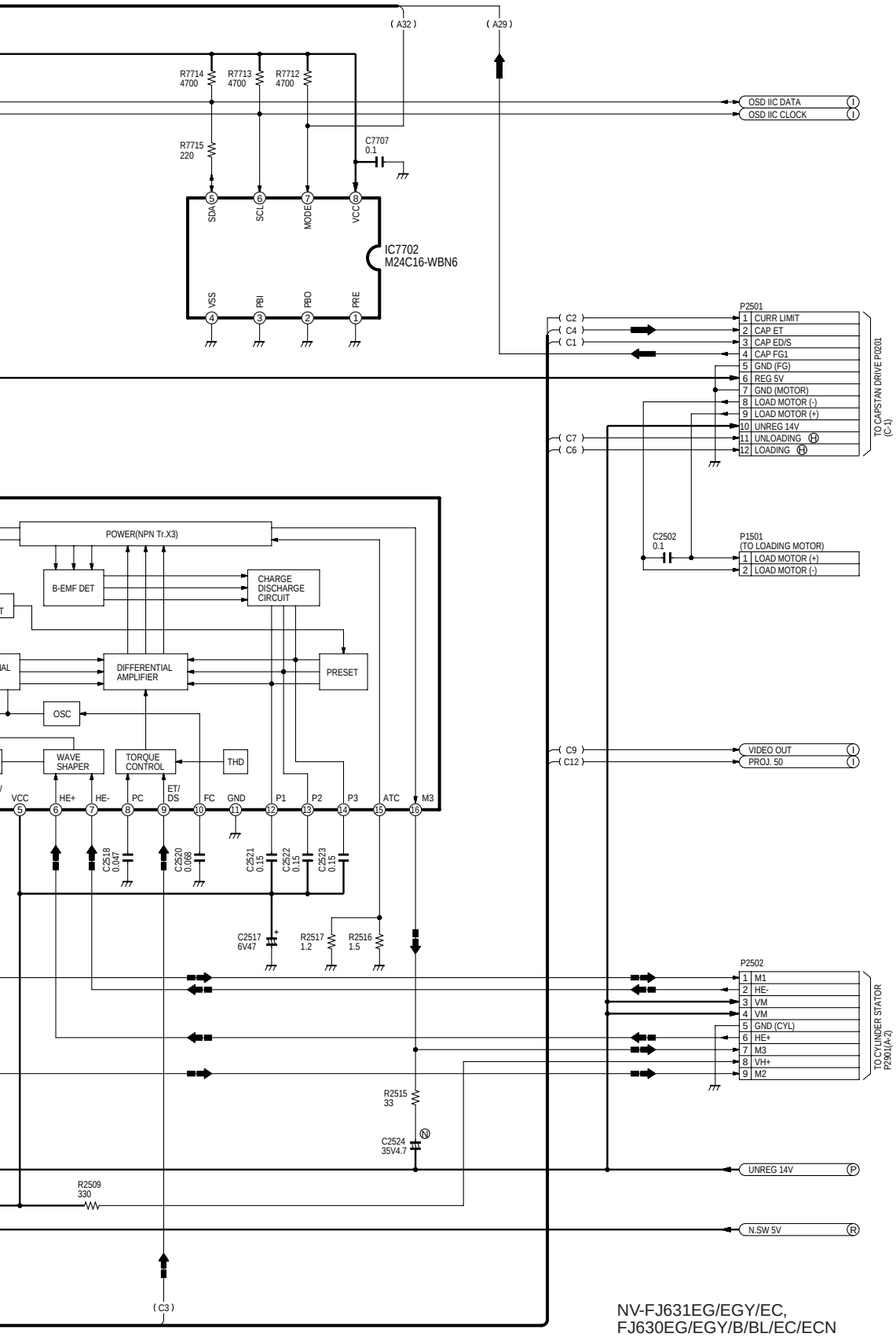
6	7	8	9	10	11



NV-FJ631EG/EGY/EC,FJ630EG/EGY/B/BL/EC/ECN
SYSTEM CONTROL & SERVO SECTION SCHEMATIC DIAGRAM

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

12 | 13 | 14 | 15 | 16 | 17

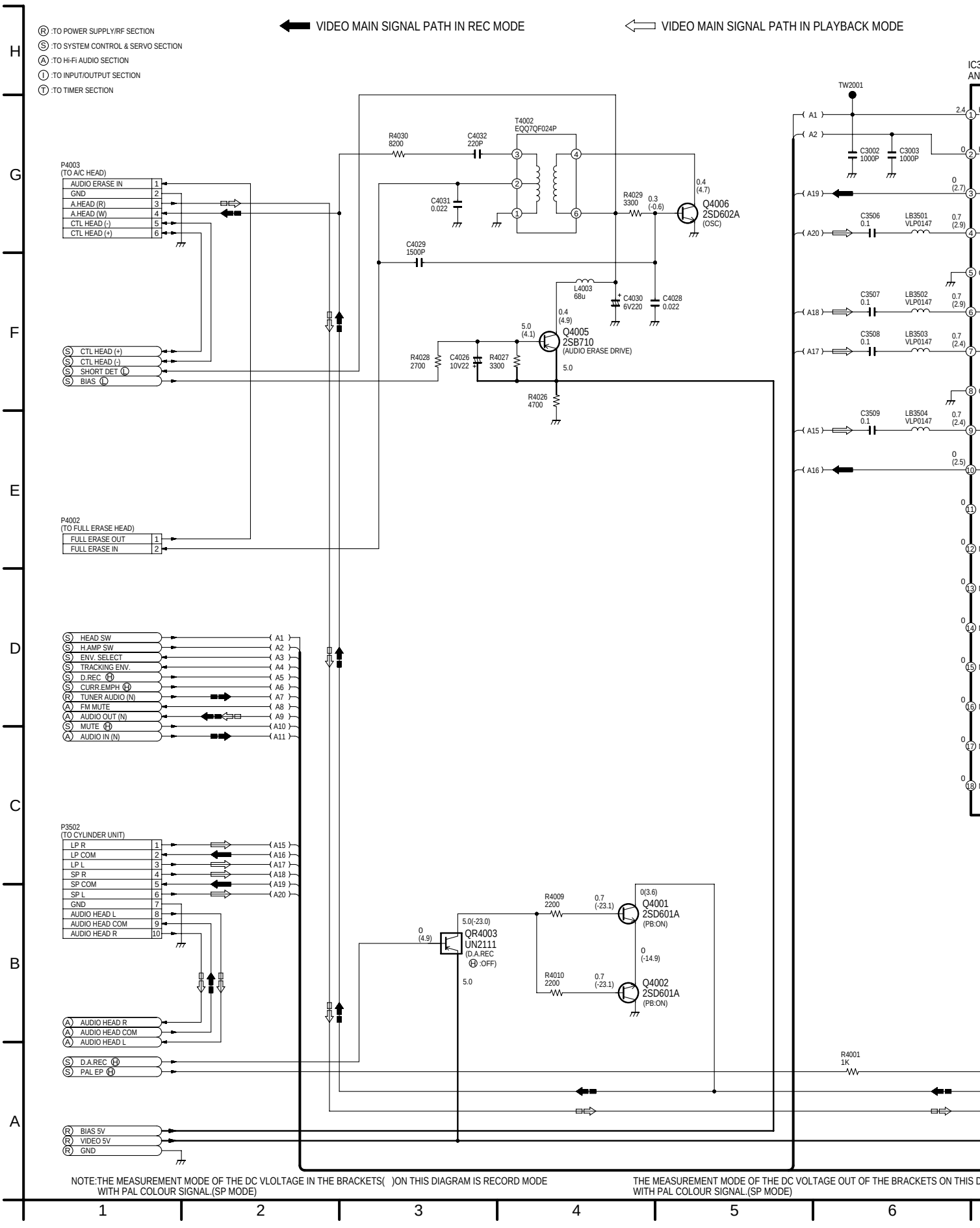


SE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR
G.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

NV-FJ631EG/EGY/EC,
FJ630EG/EGY/B/BL/EC/ECN
SYSTEM CONTROL & SERVO
SECTION SCHEMATIC DIAGRAM

18 19 20 21

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

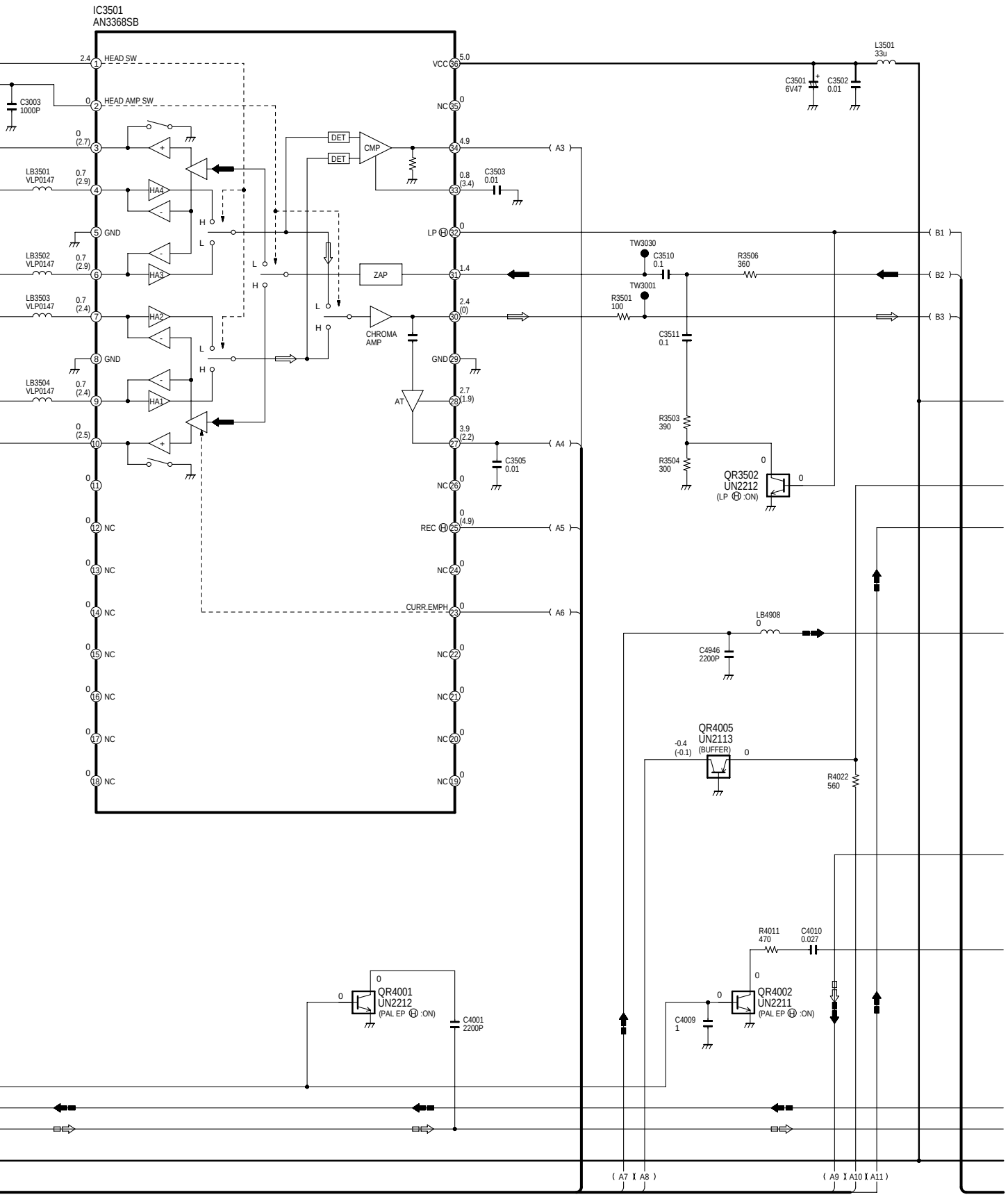


C DIAGRAM

ODE

AUDIO MAIN SIGNAL PATH IN REC MODE

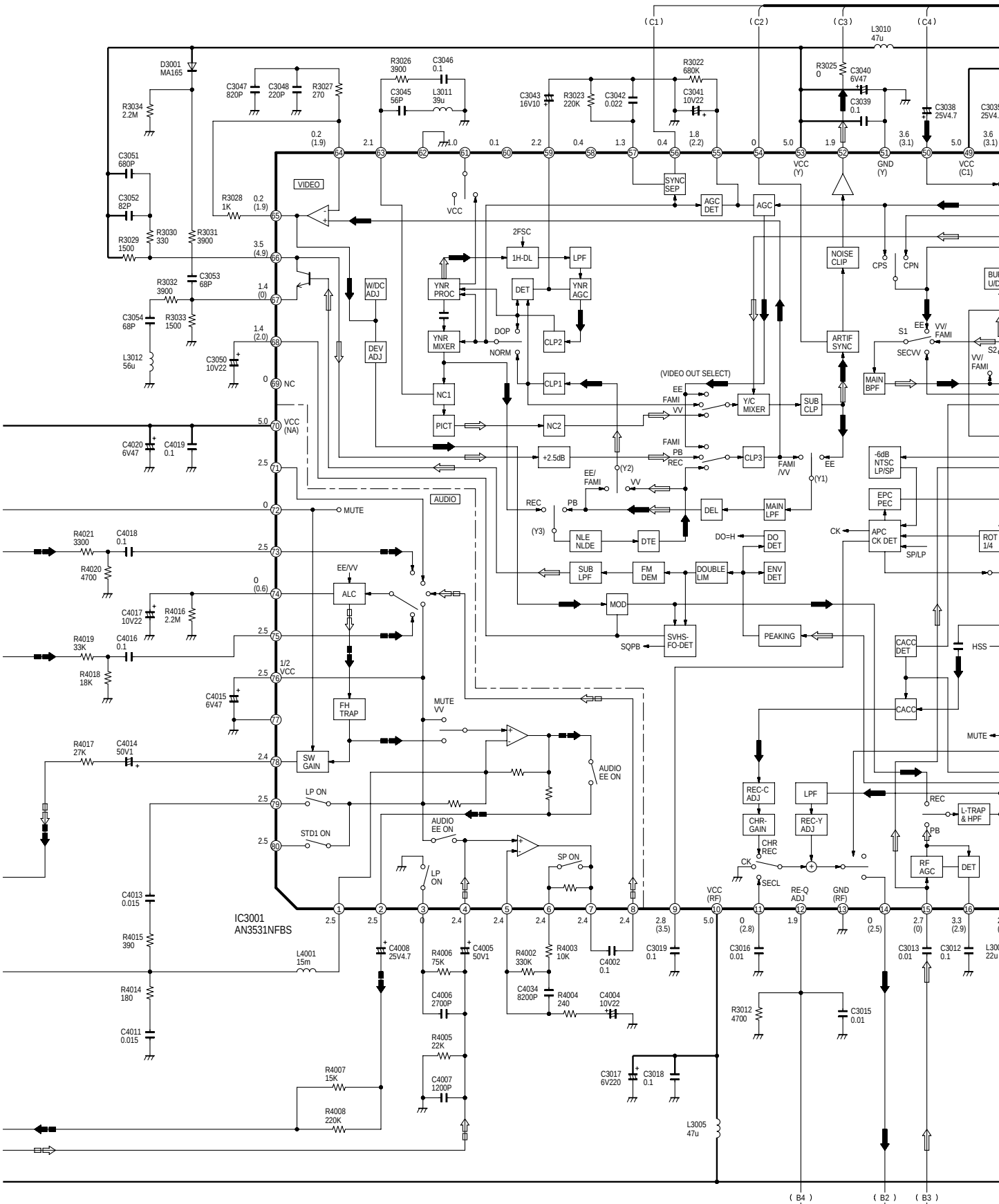
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE



HE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE

NV-FJ631EG/EGY/EC,FJ630EG/EGY/B/BL/EC/ECN
LUMINANCE & CHROMINANCE/AUDIO SECTION SCHEMATIC DIAGRAM

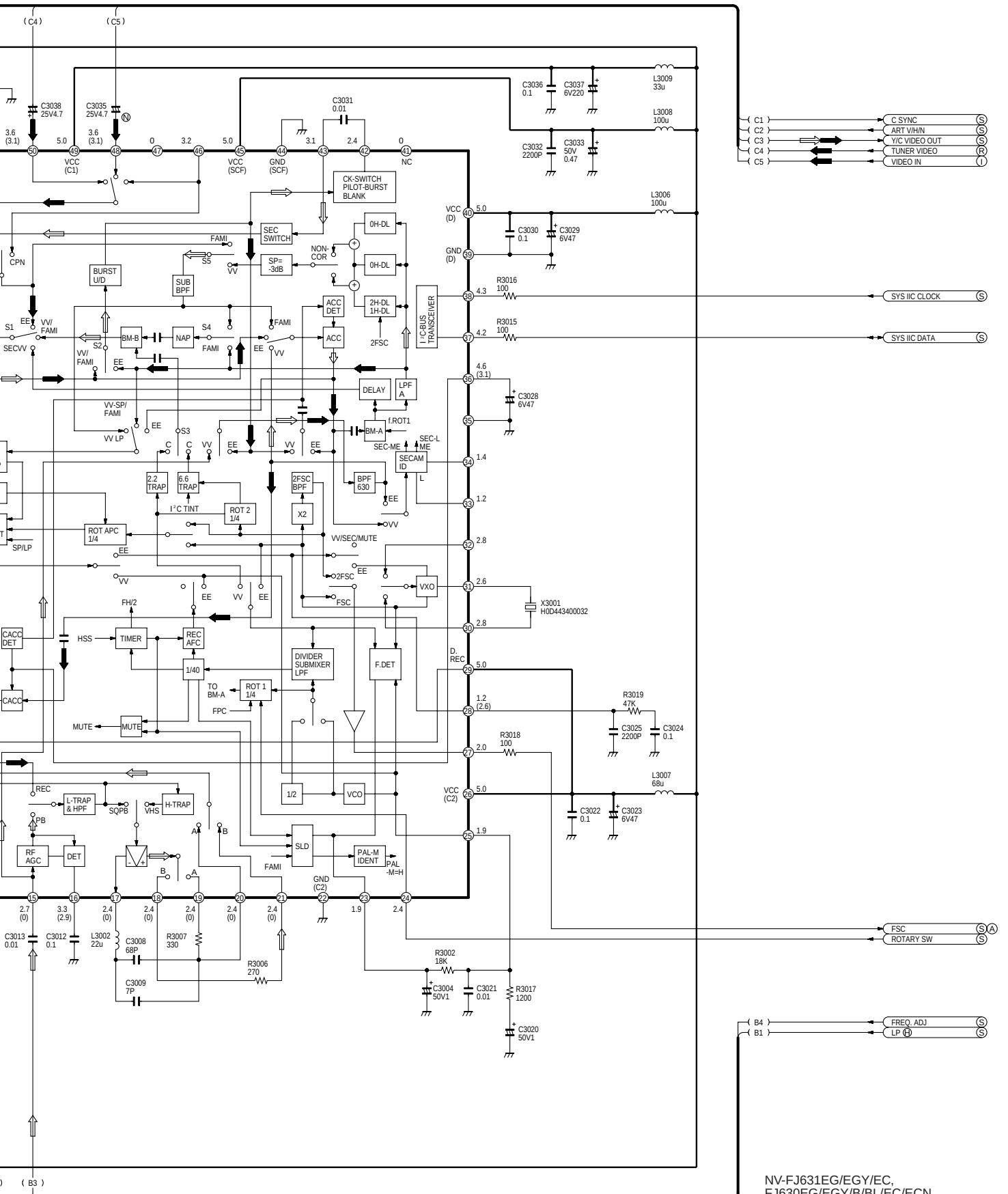
6 | 7 | 8 | 9 | 10 | 11 | 12



NV-FJ631EG/EGY/EC,FJ630EG/EGY/B/BL/EC/ECN
LUMINANCE & CHROMINANCE/AUDIO SECTION SCHEMATIC DIAGRAM

NOTE:DO NOT USE ANY PART NUMBER SHOWN O
ORDERING.WHEN YOU ORDER A PART,PLE

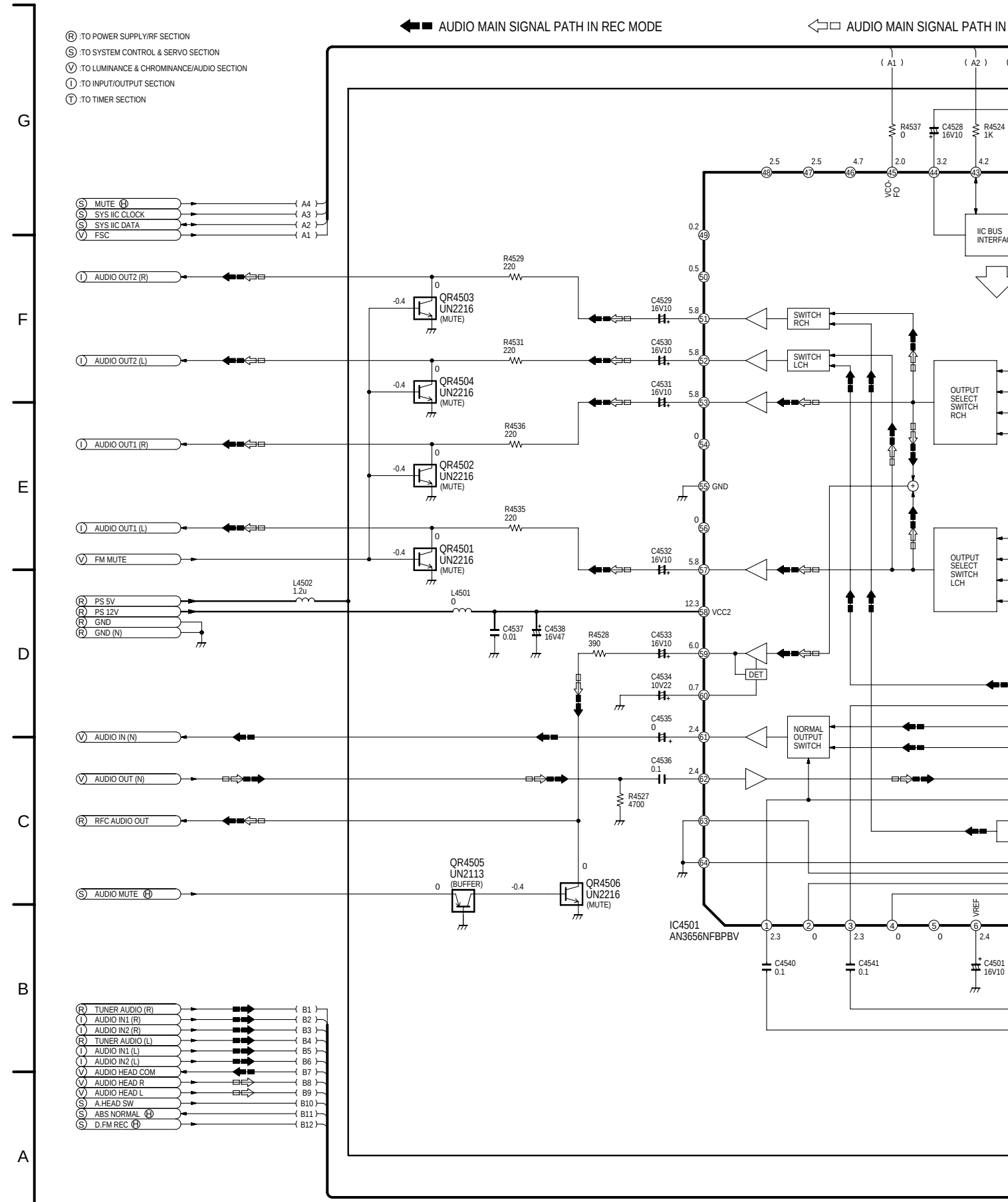
12 | 13 | 14 | 15 | 16 | 17



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

NV-FJ631EG/EGY/EC,
FJ630EG/EGY/B/BL/EC/ECN
LUMINANCE & CHROMINANCE/AUDIO
SECTION SCHEMATIC DIAGRAM

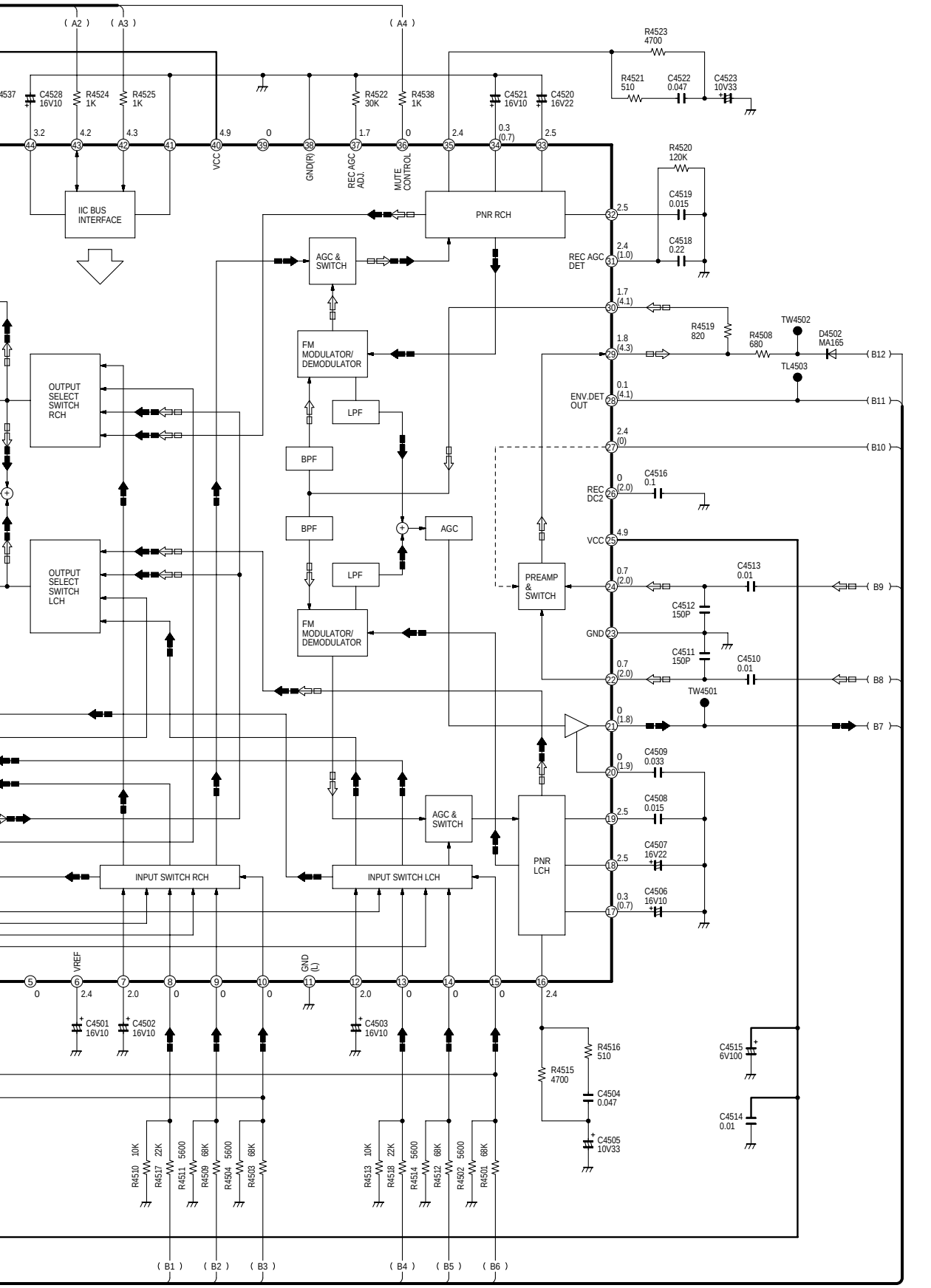
8.6. Hi-Fi AUDIO SECTION IN MAIN SCHEMATIC DIAGRAM



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 PLAYE WITH PAL COLOUR SIGNAL.(SP MODE)

N SIGNAL PATH IN PLAYBACK MODE



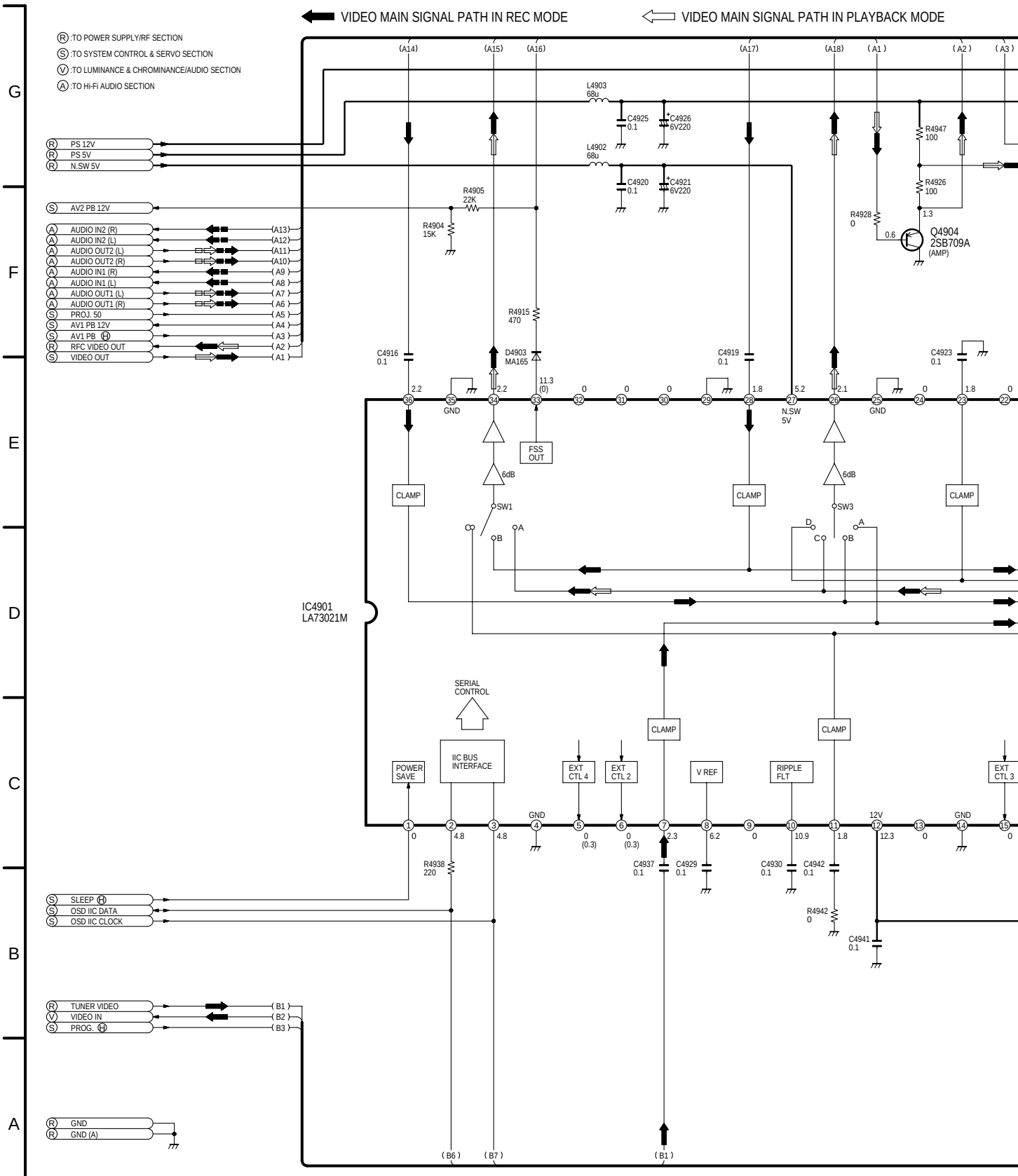
THIS DIAGRAM IS PLAYBACK MODE

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-FJ631EG/EGY/EC,FJ630EG/EGY/B/BL/EC/ECN
Hi-Fi AUDIO SECTION SCHEMATIC DIAGRAM

6 | 7 | 8 | 9 | 10

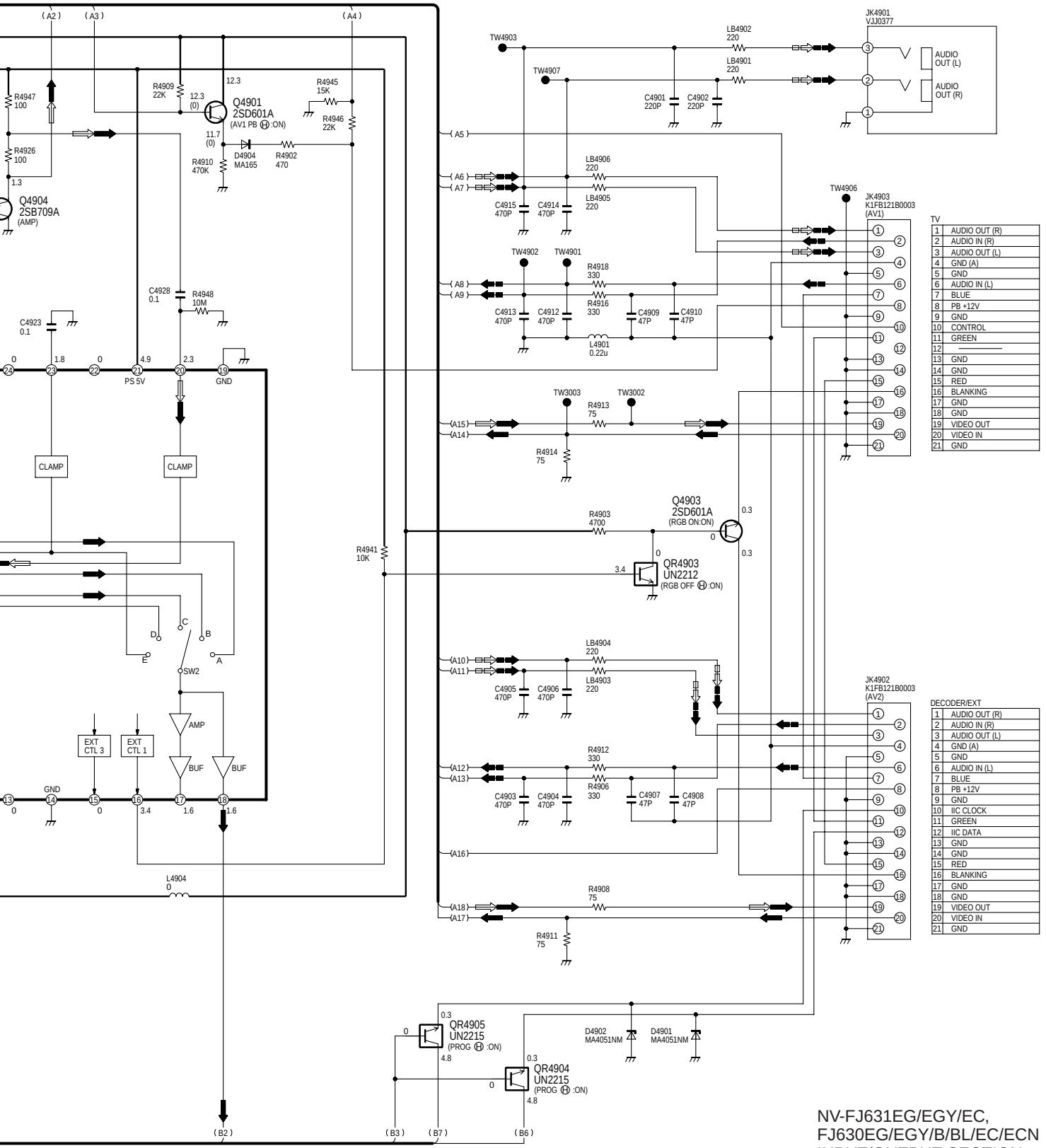
8.7. INPUT/ OUTPUT SECTION IN MAIN SCHEMATIC DIAGRAM



MODE

AUDIO MAIN SIGNAL PATH IN REC MODE

AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE



TV

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

DECODER/EXT

1	AUDIO OUT (R)
2	AUDIO IN (R)
3	AUDIO OUT (L)
4	GND (A)
5	GND
6	AUDIO IN (L)
7	BLUE
8	PB +12V
9	GND
10	IIC CLOCK
11	GREEN
12	IIC DATA
13	GND
14	GND
15	RED
16	BLANKING
17	GND
18	GND
19	VIDEO OUT
20	VIDEO IN
21	GND

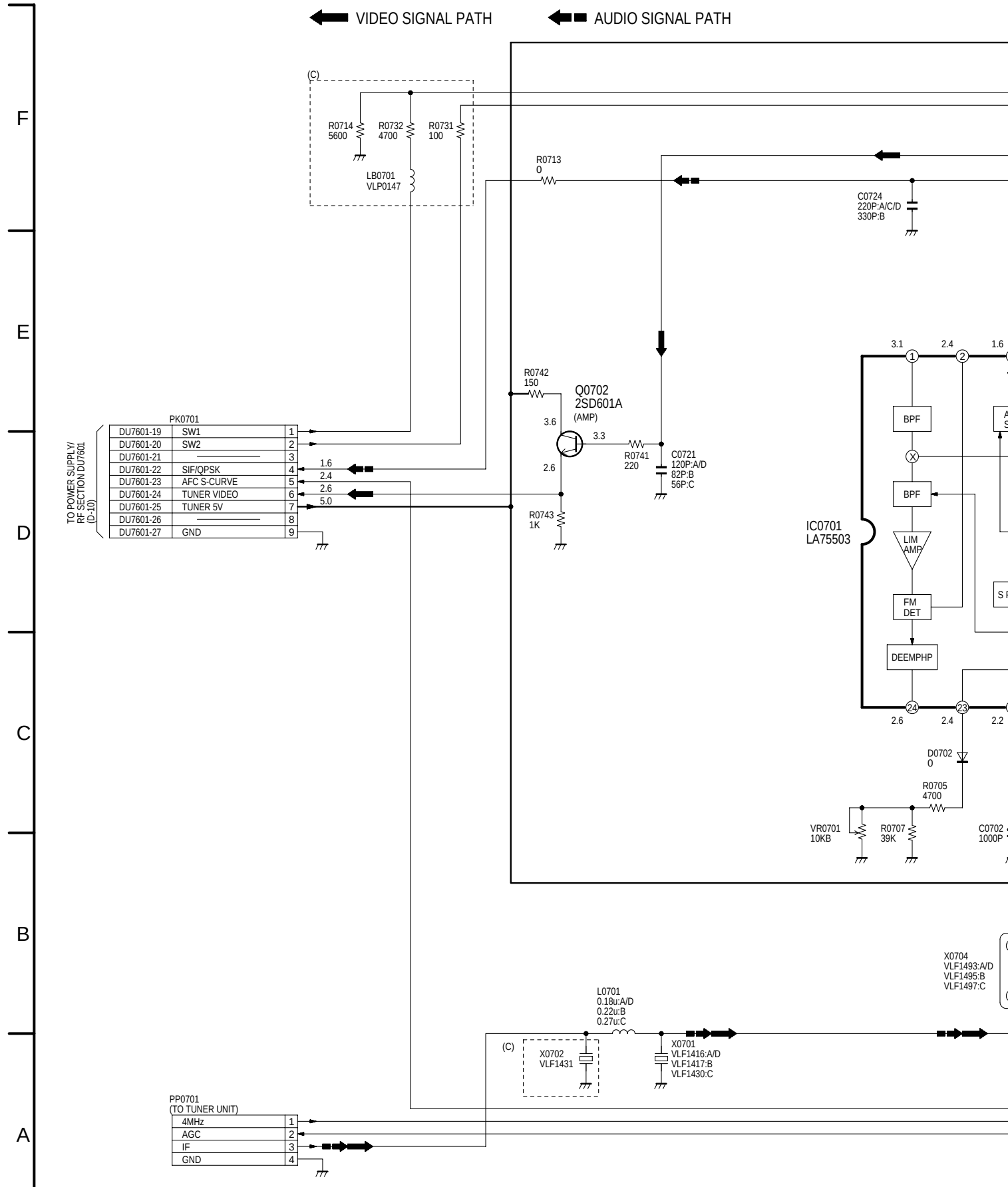
RACKETS ON THIS DIAGRAM IS PLAYBACK MODE

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-FJ631EG/EGY/EC,
FJ630EG/EGY/B/BL/EC/ECN
INPUT/OUTPUT SECTION
SCHEMATIC DIAGRAM

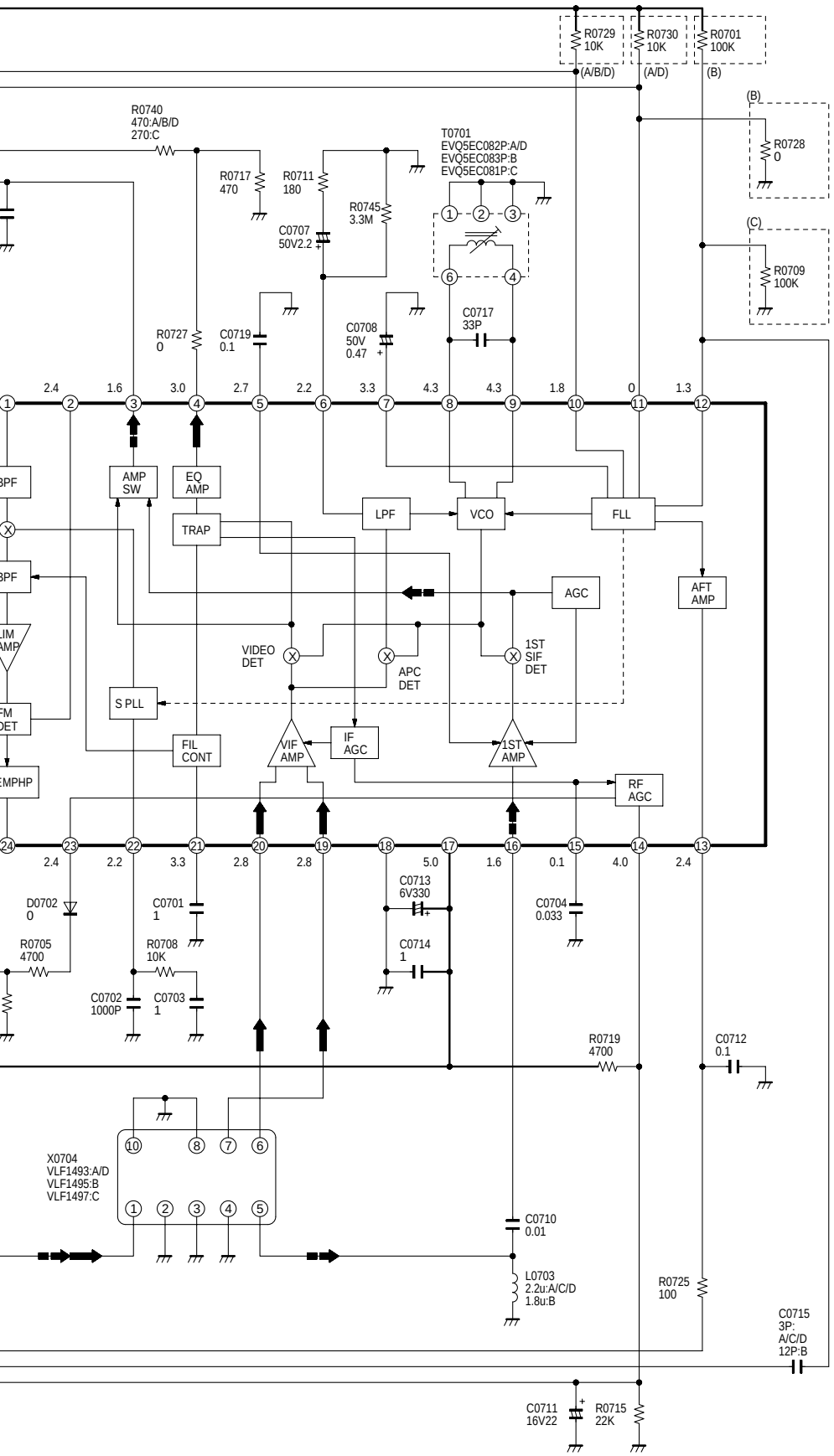
6 | 7 | 8 | 9 | 10 | 11

8.8. TV DEMODULATOR PACK SCHEMATIC DIAGRAM



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

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

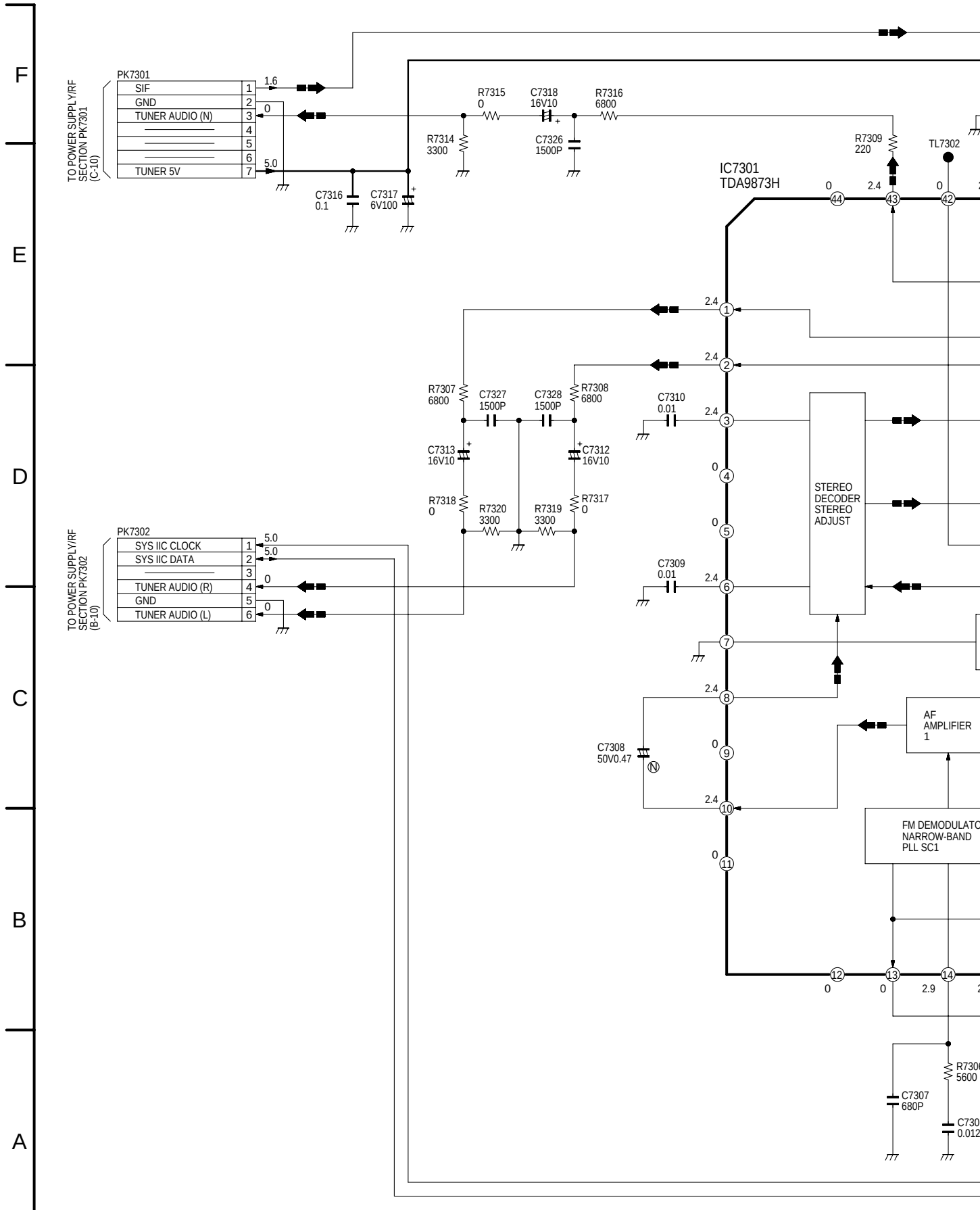


THIS SCHEMATIC DIAGRAM FOR
E REFER TO PARTS LIST.

NV-FJ631EG/EGY/EC,FJ630EG/EGY/B/BL/EC/ECN
TV DEMODULATOR PACK SCHEMATIC DIAGRAM

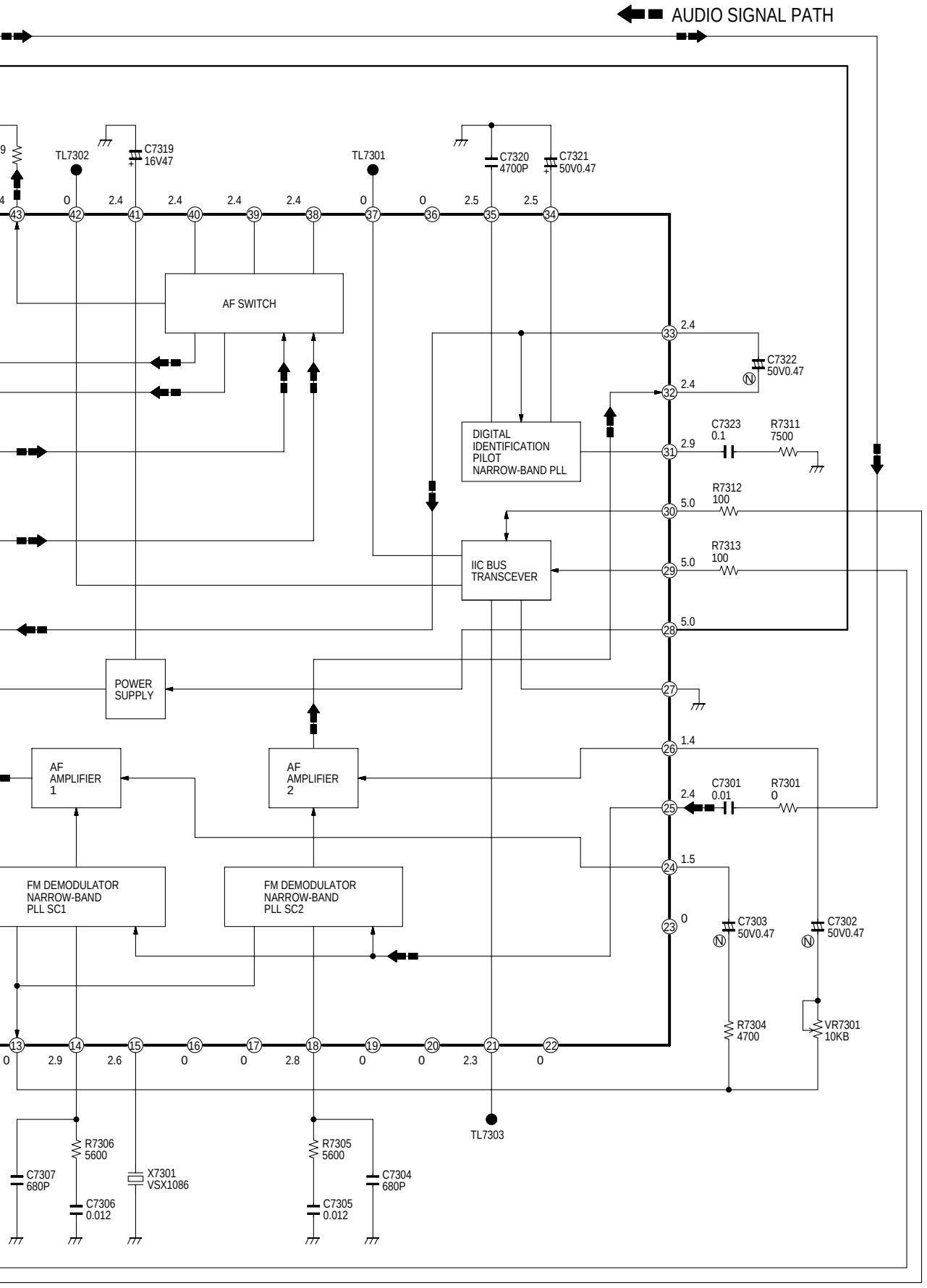
5	6	7	8

8.9. DECODER PACK SCHEMATIC DIAGRAM (EG/EGY)



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

NOTE: DO NOT USE AN ORDERING. W

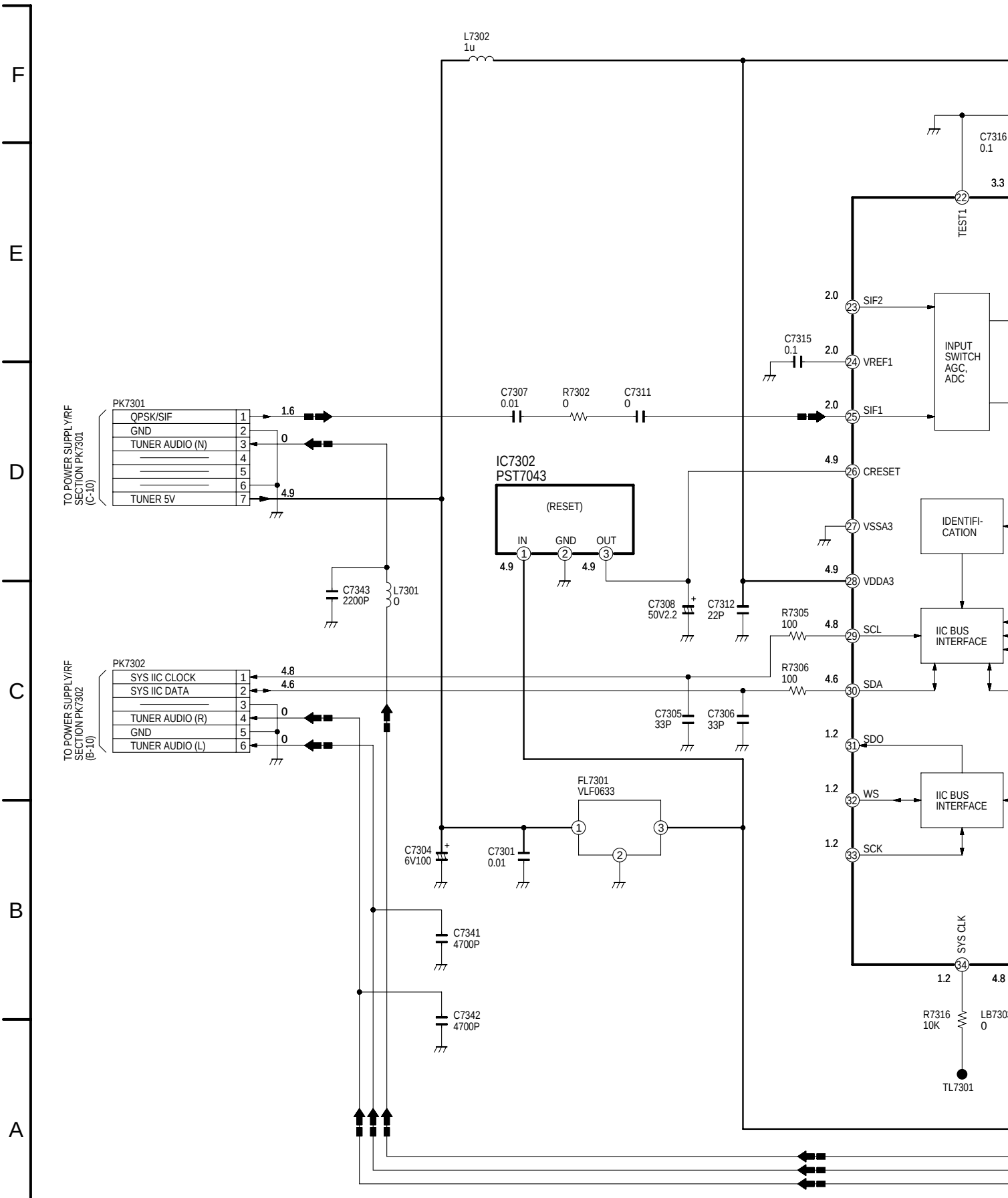


E: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

NV-FJ631EG/EGY,FJ630EG/EGY
DECODER PACK SCHEMATIC DIAGRAM

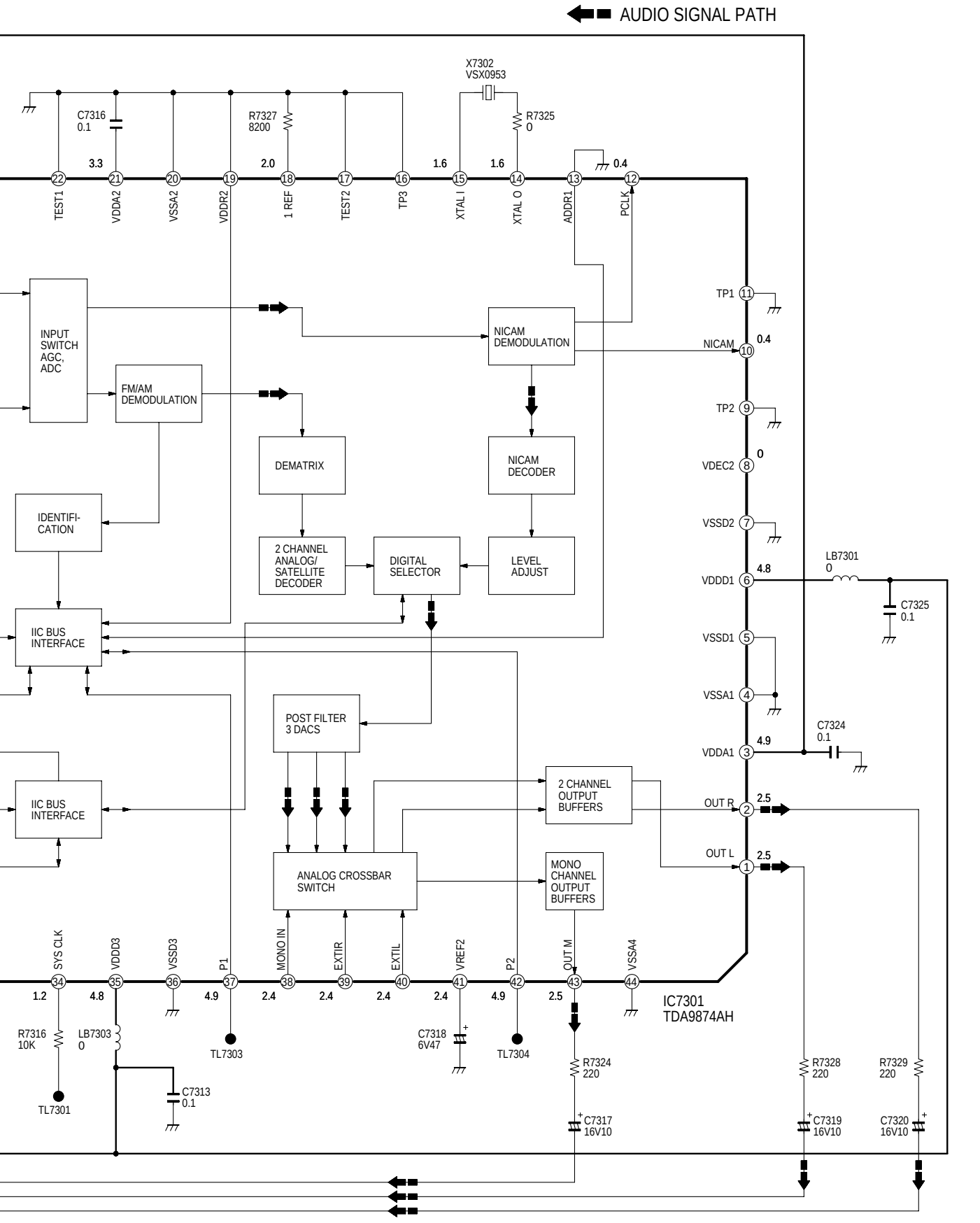
5	6	7	8

8.10. NICAM DECODER PACK SCHEMATIC DIAGRAM (B/BL/EC/ECN)



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

NOTE: DO NOT USE ANY PART
ORDERING. WHEN YO

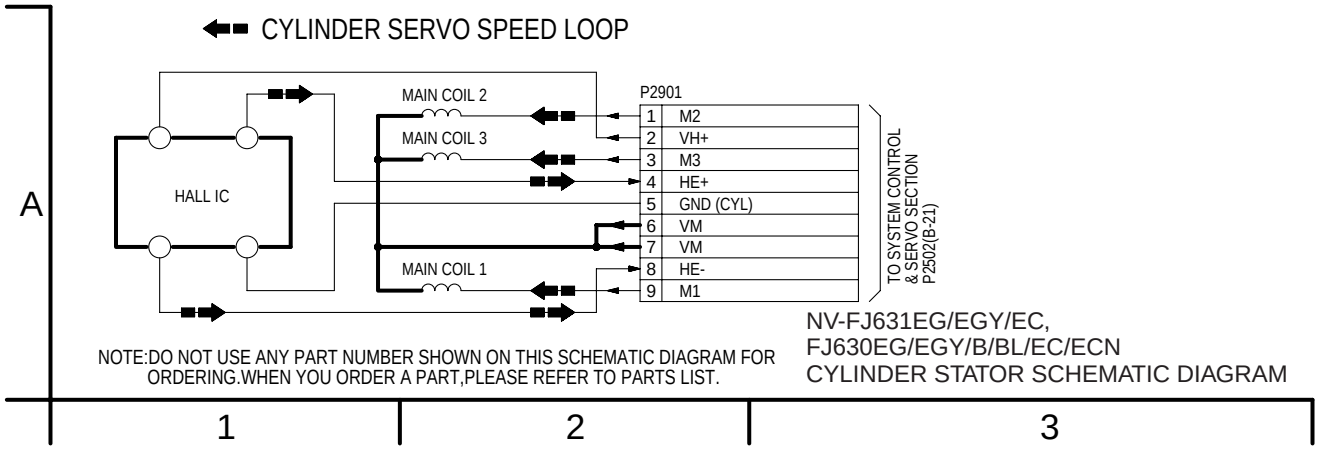


OT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR
RING. WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

NV-FJ631EC,FJ630B/BL/EC/ECN
NICAM DECODER PACK SCHEMATIC DIAGRAM

5	6	7	8

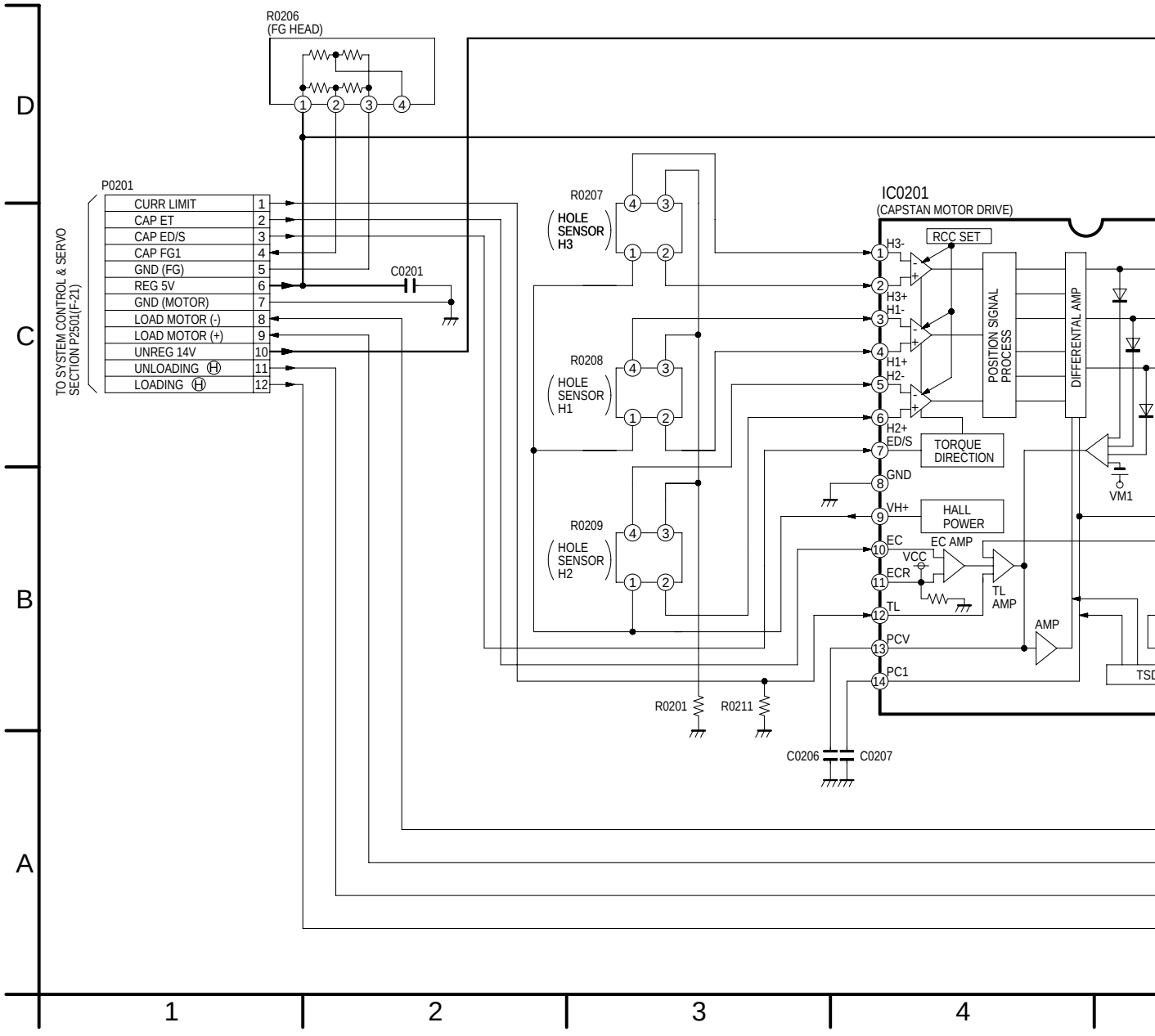
8.11. CYLINDER STATOR UNIT SCHEMATIC DIAGRAM

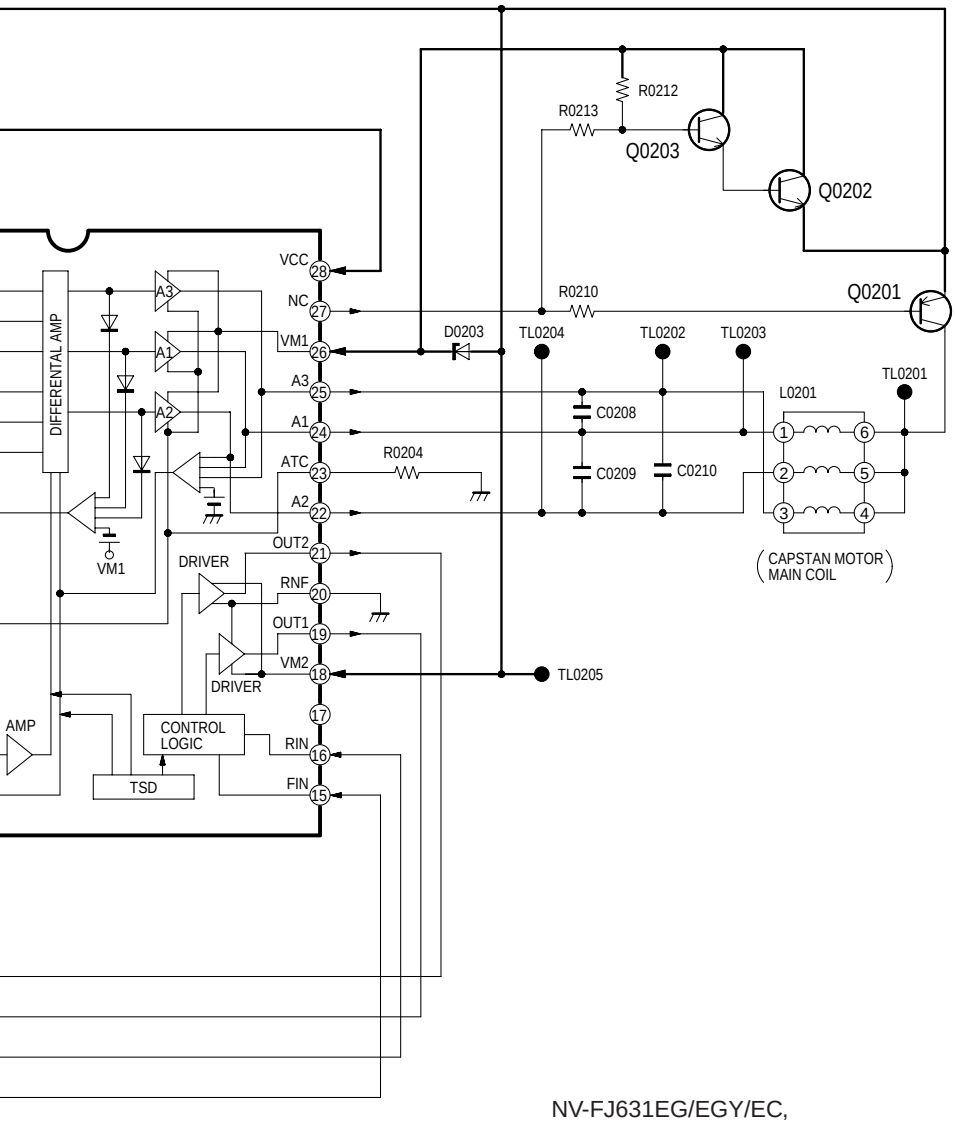


NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

NV-FJ631EG/EGY/EC,
FJ630EG/EGY/B/BL/EC/ECN
CYLINDER STATOR SCHEMATIC DIAGRAM

8.12. CAPSTAN UNIT SCHEMATIC DIAGRAM





NV-FJ631EG/EGY/EC,
FJ630EG/EGY/B/BL/EC/ECN
CAPSTAN UNIT SCHEMATIC DIAGRAM

5 6 7