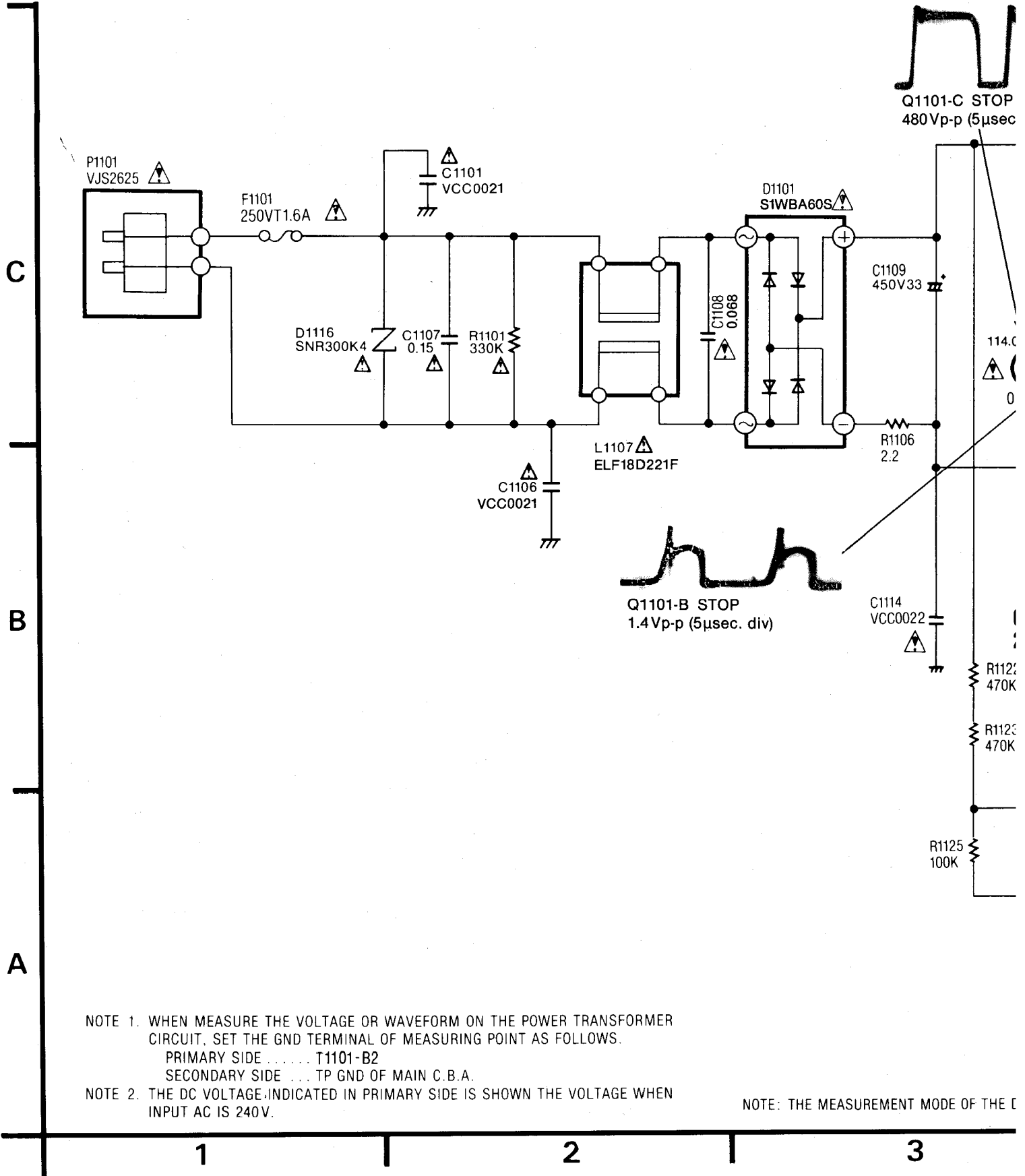


# SECTION 4 SCHEMATIC DIAGRAMS

## 4-1. POWER SCHEMATIC DIAGRAM



NOTE 1. WHEN MEASURE THE VOLTAGE OR WAVEFORM ON THE POWER TRANSFORMER CIRCUIT, SET THE GND TERMINAL OF MEASURING POINT AS FOLLOWS.

PRIMARY SIDE . . . . . T1101-B2  
SECONDARY SIDE . . . . . TP GND OF MAIN C.B.A.

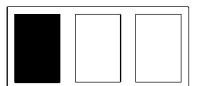
NOTE 2. THE DC VOLTAGE INDICATED IN PRIMARY SIDE IS SHOWN THE VOLTAGE WHEN INPUT AC IS 240V.

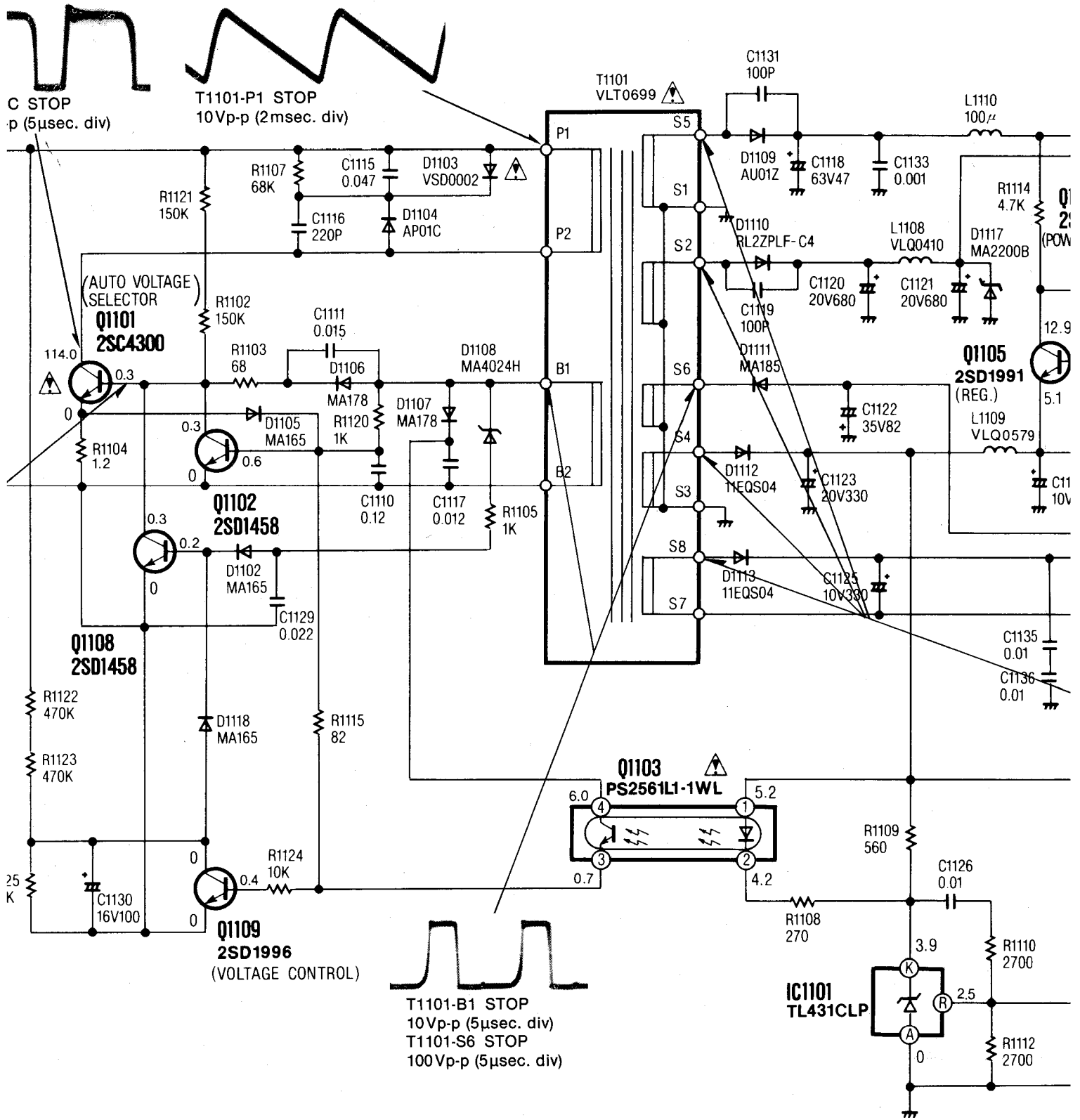
NOTE: THE MEASUREMENT MODE OF THE [

1

2

3





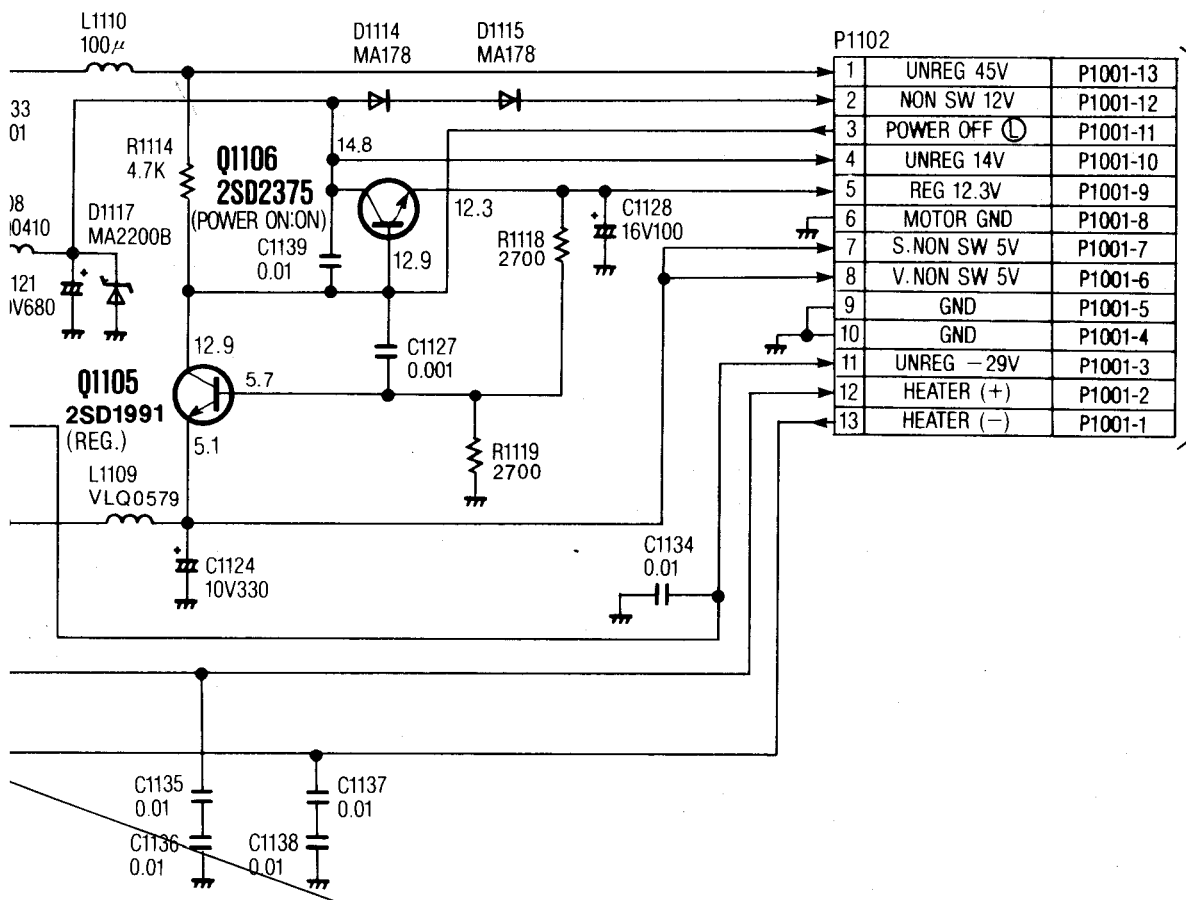
3 OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

4

5

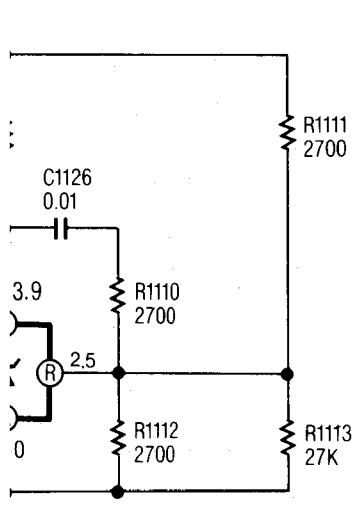
6





1	UNREG 45V	P1001-13
2	NON SW 12V	P1001-12
3	POWER OFF Ⓛ	P1001-11
4	UNREG 14V	P1001-10
5	REG 12.3V	P1001-9
6	MOTOR GND	P1001-8
7	S. NON SW 5V	P1001-7
8	V. NON SW 5V	P1001-6
9	GND	P1001-5
10	GND	P1001-4
11	UNREG -29V	P1001-3
12	HEATER (+)	P1001-2
13	HEATER (-)	P1001-1

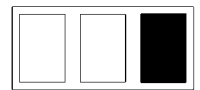
TO LUMINANCE/  
CHROMINANCE & AUDIO  
SECTION P1001  
(Page: 4-13/F-18)



- T1101-S2 STOP  
50Vp-p (5µsec. div)
- T1101-S4 STOP  
20Vp-p (5µsec. div)
- T1101-S5 STOP  
125Vp-p (5µsec. div)
- T1101-S8 STOP  
25Vp-p (5µsec. div)

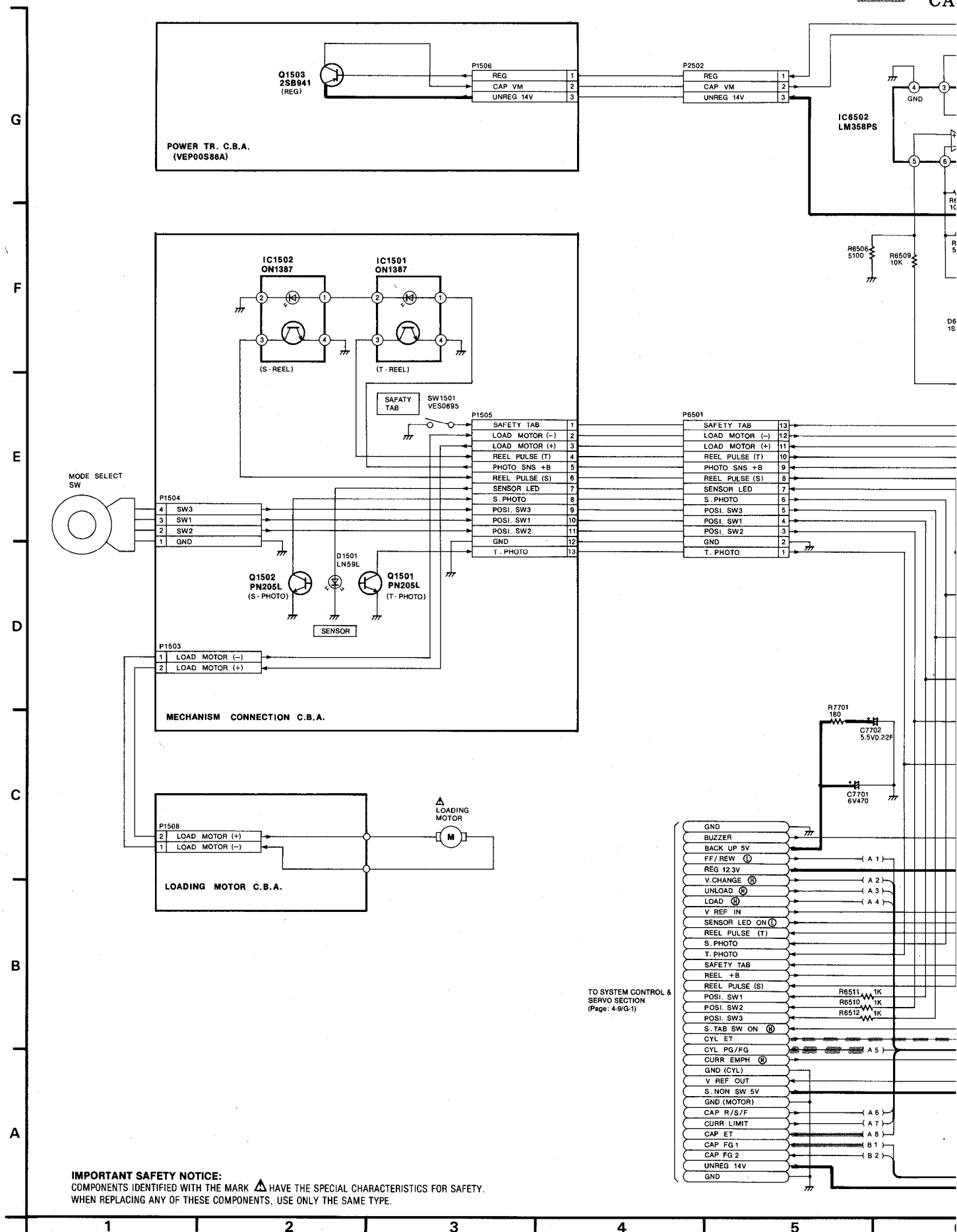
**IMPORTANT SAFETY NOTICE:**  
COMPONENTS IDENTIFIED BY THE SIGN HAVE SPECIAL CHARACTERISTICS  
IMPORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY  
THE SPECIFIED PARTS.

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



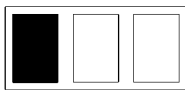
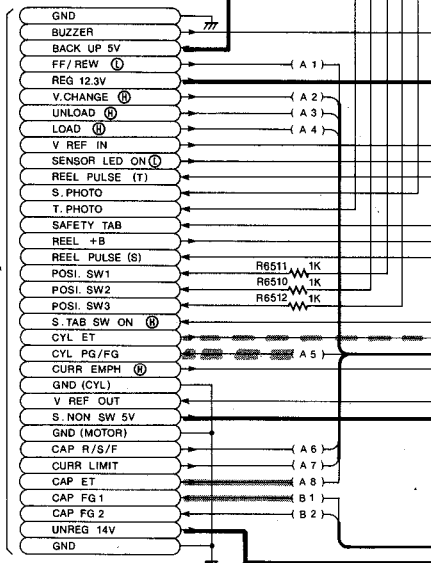
# 4-2. SUB SERVO SECTION IN MAIN SCHEMATIC DIAGRAM

CA



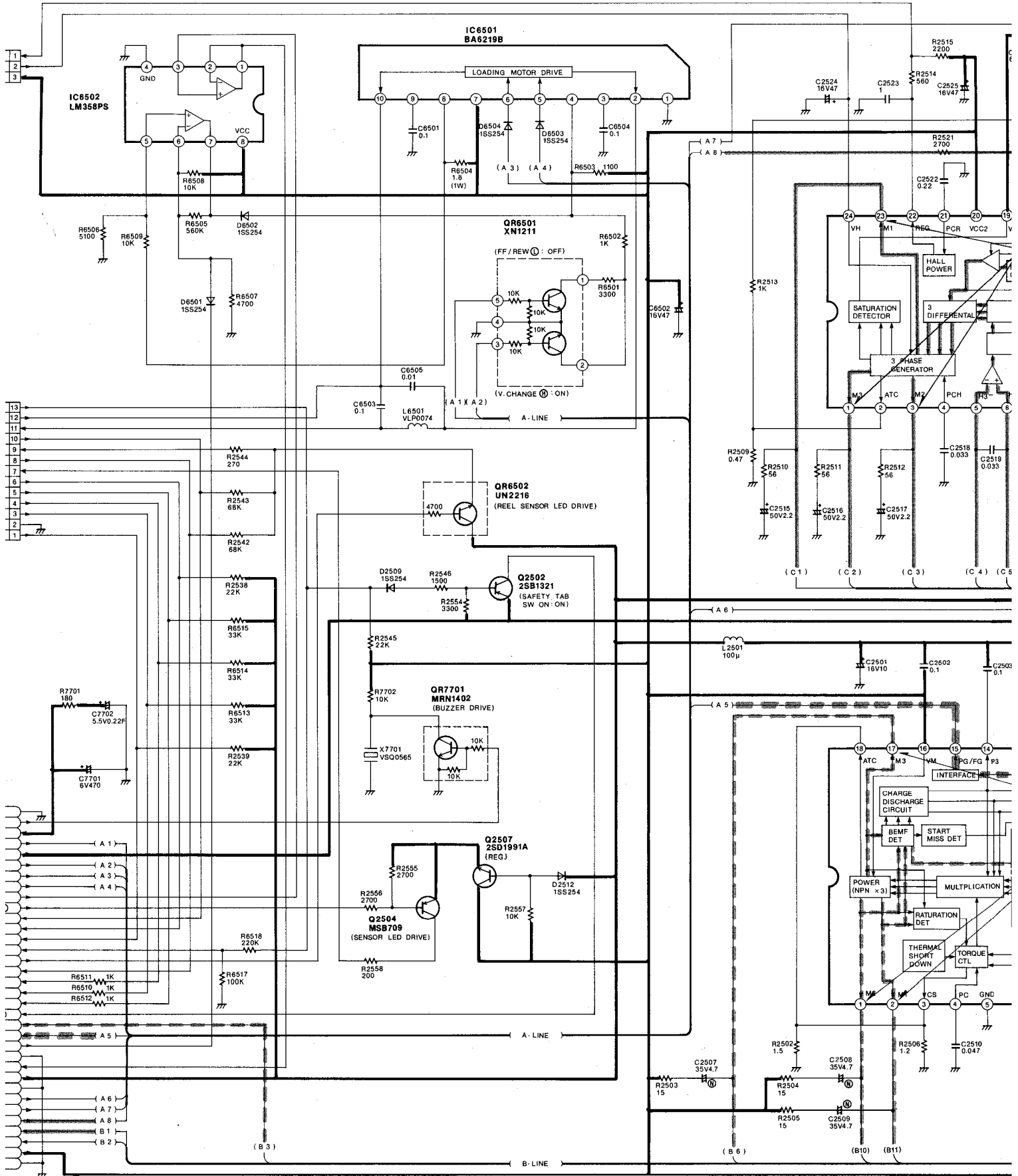
**IMPORTANT SAFETY NOTICE:**  
 COMPONENTS IDENTIFIED WITH THE MARK ▲ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.  
 WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

TO SYSTEM CONTROL &  
 SERVO SECTION  
 (Page: 4-9/G-1)

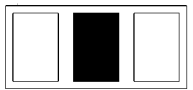


CAPSTAN SERVO SPEED LOOP

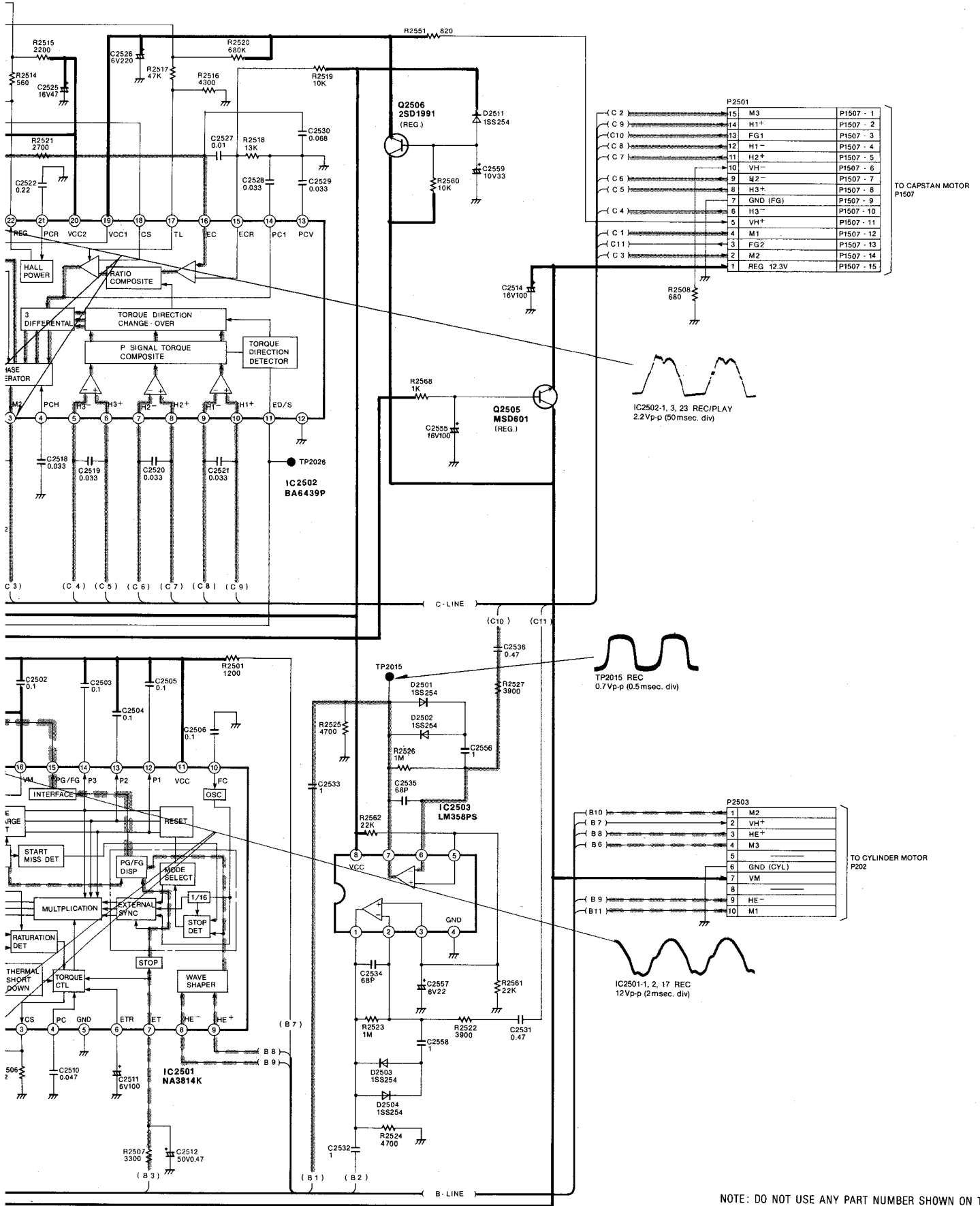
CYLINDER SERVO SPEED LOOP



5 | 6 | 7 | 8 | 9 | 10 | 11



# LOOP CYLINDER SERVO PHASE LOOP



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

11

12

13

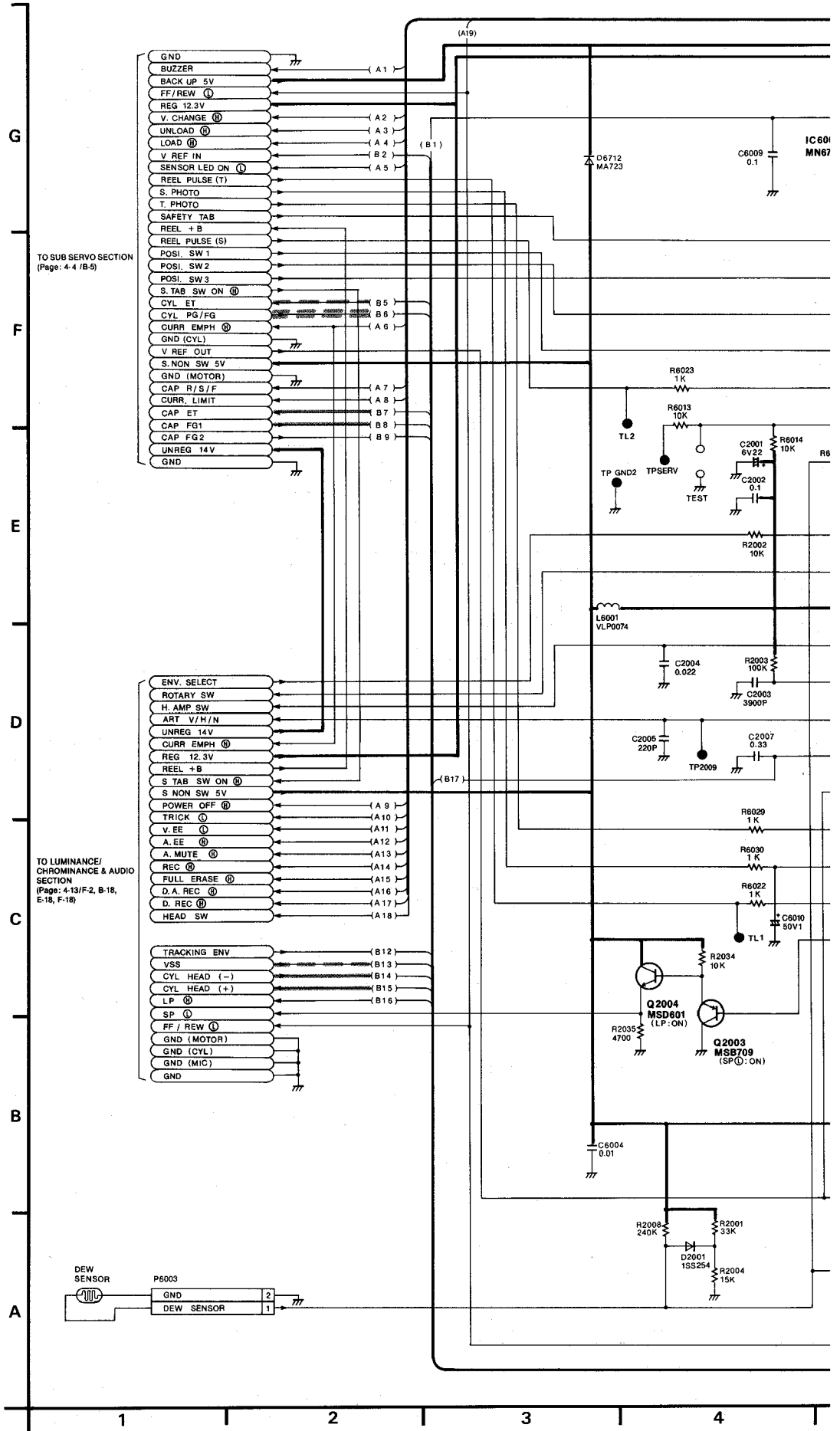
14

15

16



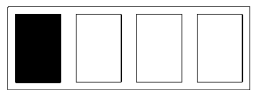
### 4-3. SYSTEM CONTROL & SERVO SECTION IN MAIN S



G  
TO SUB SERVO SECTION  
(Page: 4-4 / B-5)

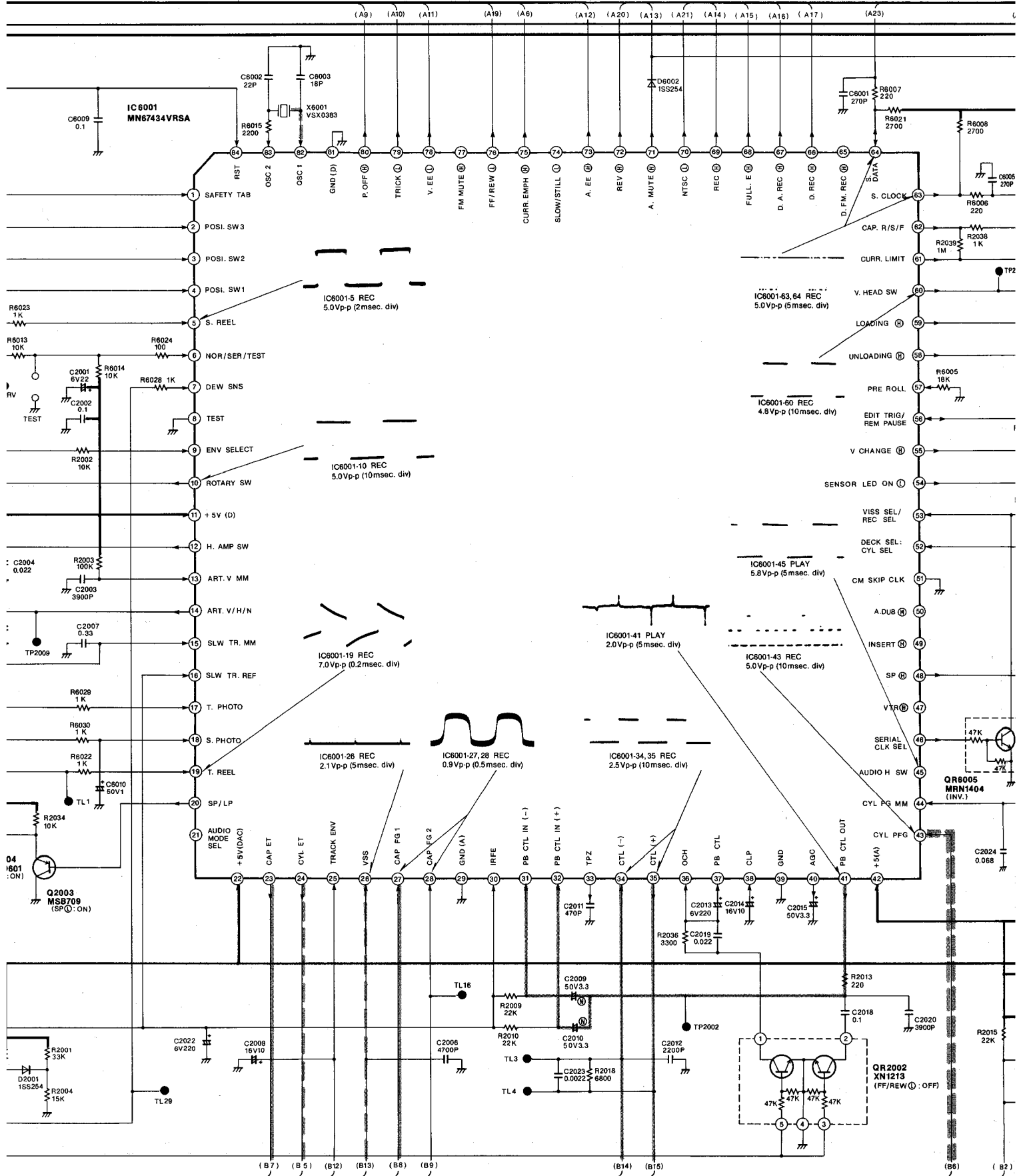
D  
TO LUMINANCE/  
CHROMINANCE & AUDIO  
SECTION  
(Page: 4-13/F.2, B-18,  
E-18, F-18)

A  
DEW SENSOR  
P6003



# IN MAIN SCHEMATIC DIAGRAM

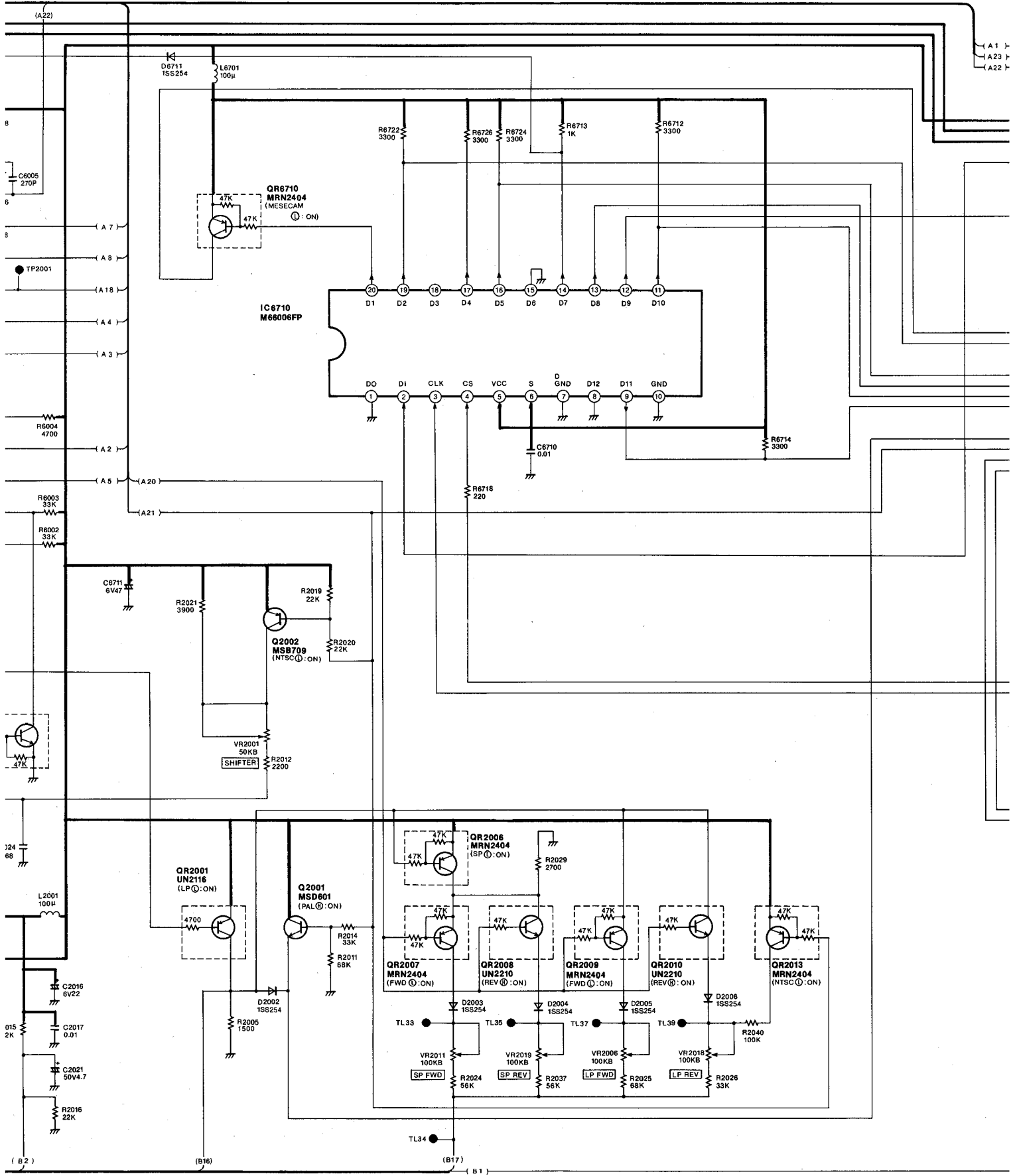
## CAPSTAN SERVO SPEED LOOP





# CAPSTAN SERVO PHASE LOOP

# CYLINDER SERVO SPEED LOOP



10

11

12

13

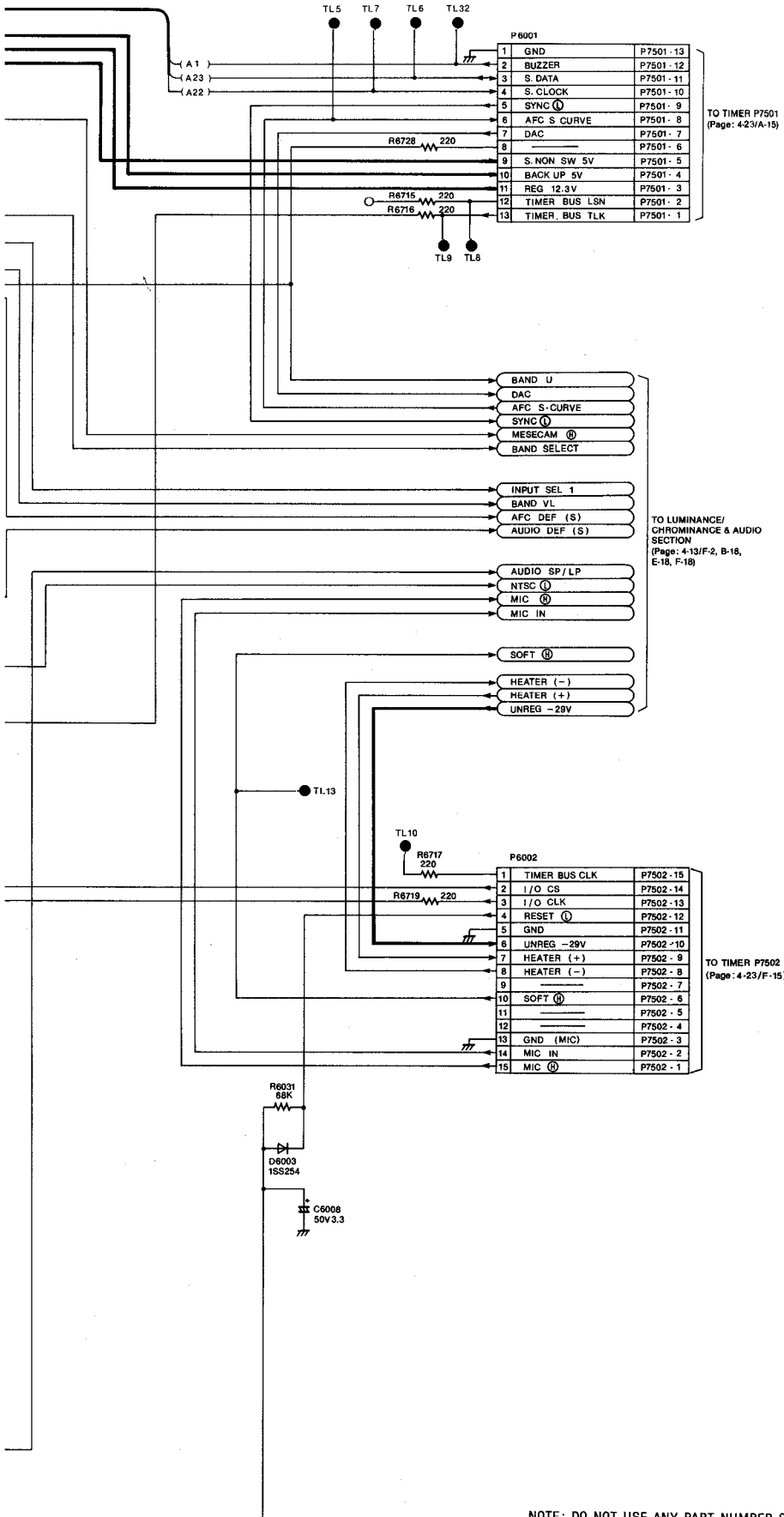
14

15



LOOP

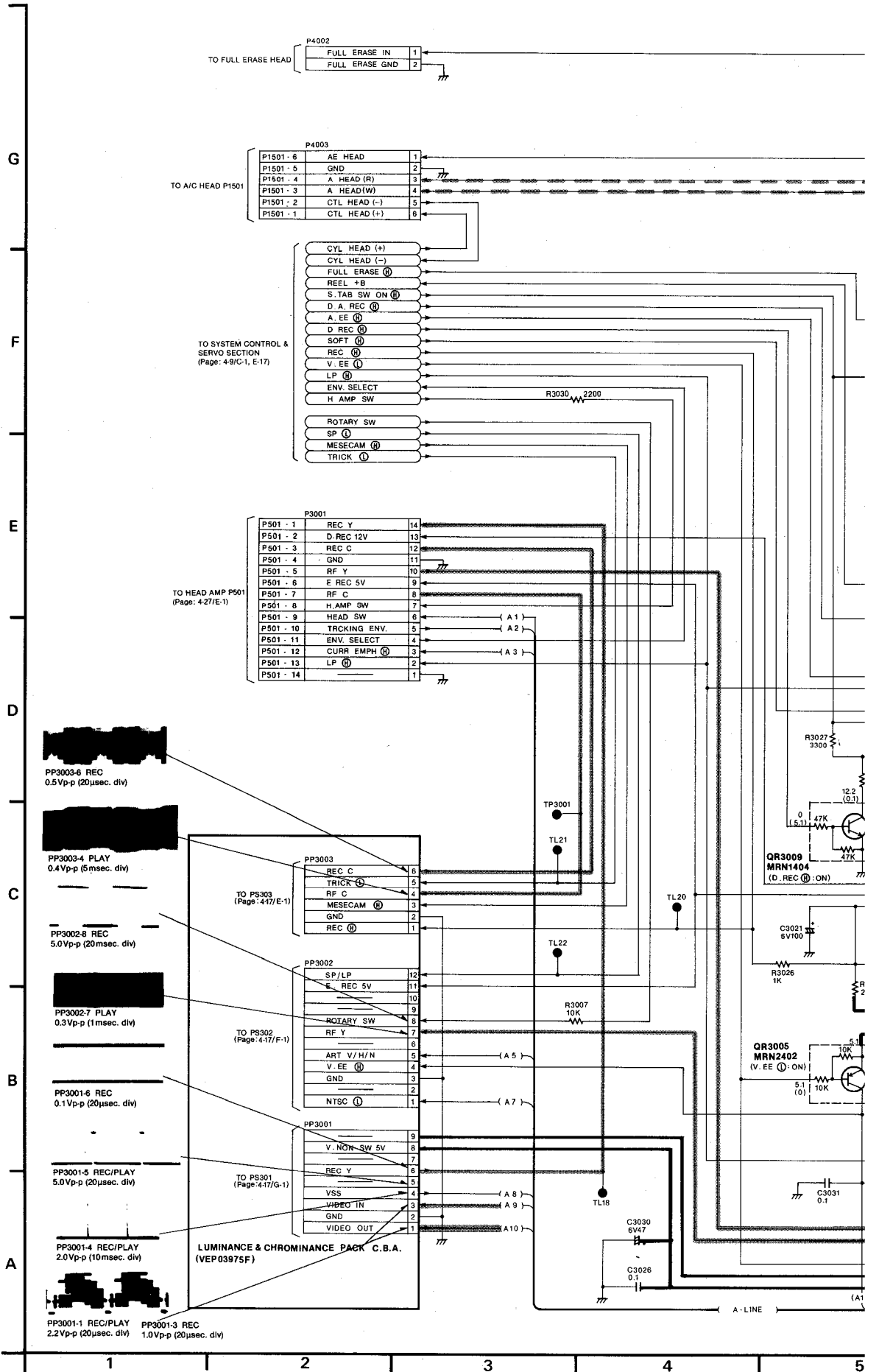
CYLINDER SERVO PHASE LOOP



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



# 4.4. LUMINANCE/CHROMINANCE & AUDIO SECTION IN M



G

F

E

D

C

B

A

1

2

3

4

5

PP3003-8 REC  
0.5Vp-p (20µsec. div)

PP3003-4 PLAY  
0.4Vp-p (5msec. div)

PP3002-8 REC  
5.0Vp-p (20msec. div)

PP3002-7 PLAY  
0.3Vp-p (1msec. div)

PP3001-6 REC  
0.1Vp-p (20µsec. div)

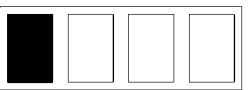
PP3001-5 REC/PLAY  
5.0Vp-p (20µsec. div)

PP3001-4 REC/PLAY  
2.0Vp-p (10µsec. div)

PP3001-1 REC/PLAY  
2.2Vp-p (20µsec. div)

PP3001-3 REC  
1.0Vp-p (20µsec. div)

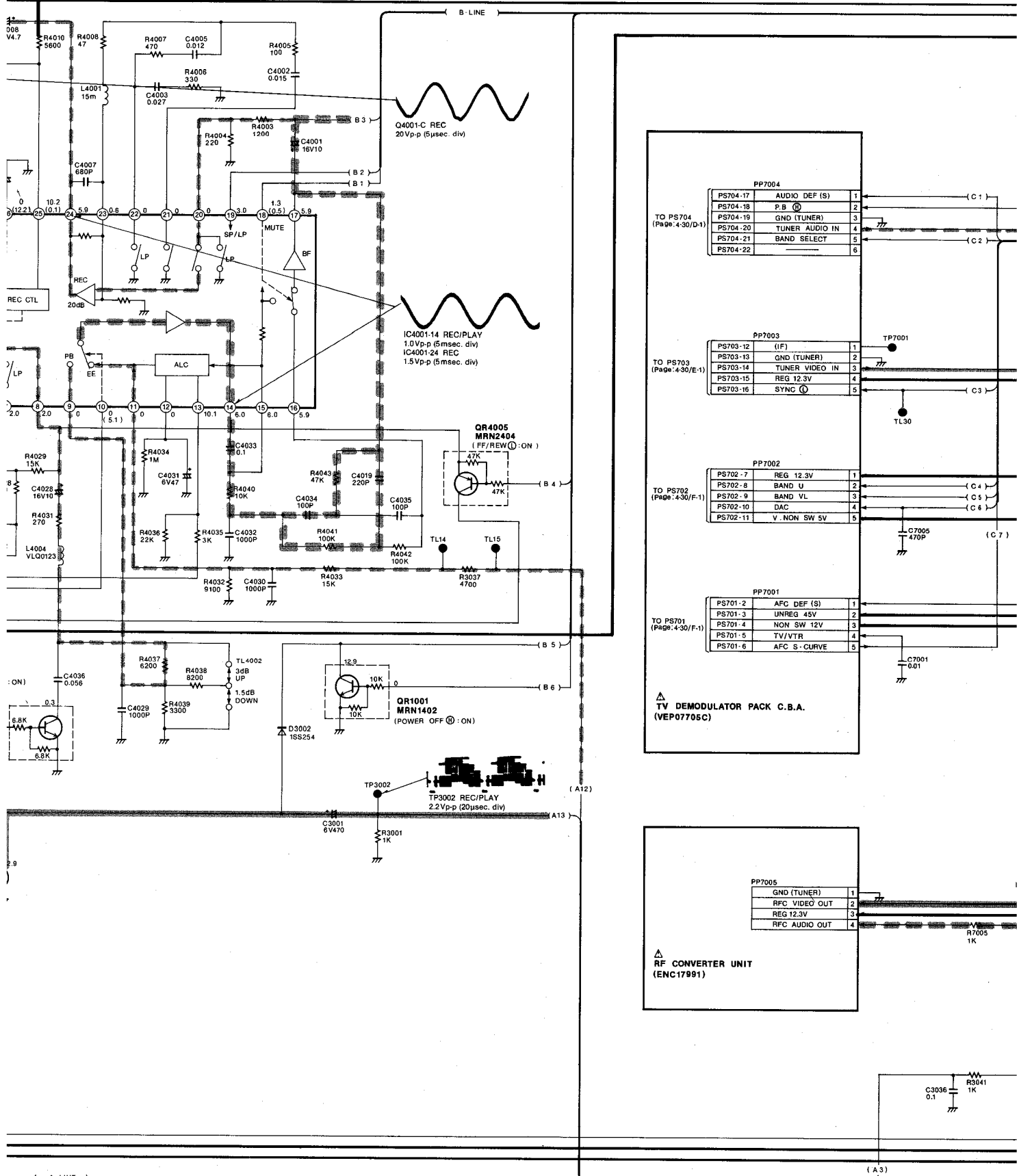
LUMINANCE & CHROMINANCE PACK C.B.A.  
(VEP03975F)





▷ MAIN SIGNAL PATH IN REC MODE  
 ▷ MAIN SIGNAL PATH IN PLAYBACK MODE

▷▷▷▷▷ AUDIO MAIN SIGNAL PATH IN REC  
 ▷▷▷▷▷ AUDIO MAIN SIGNAL PATH IN PL

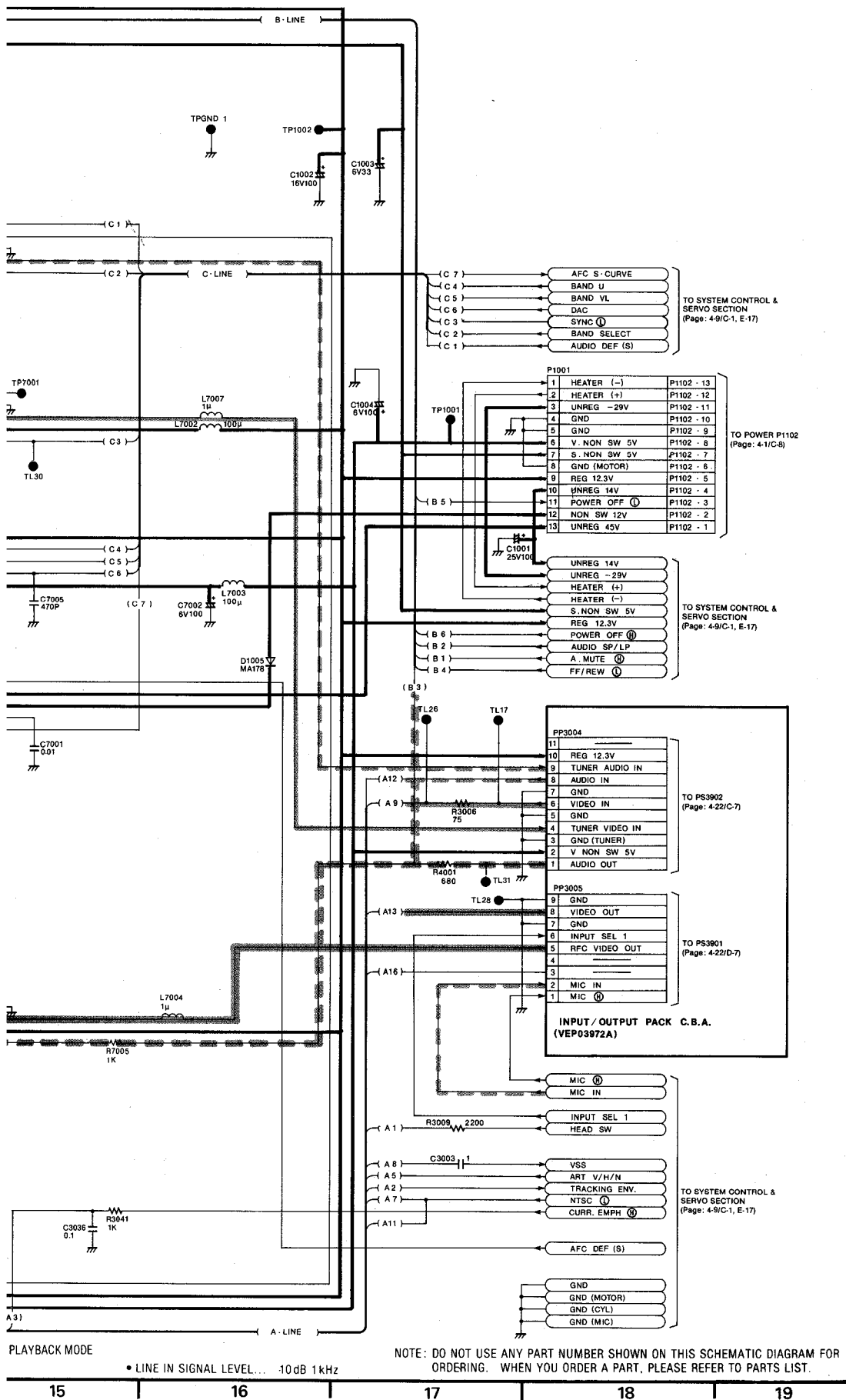


MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE SIGNAL. (SP MODE) THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS PLAYBACK MODE WITH PAL COLOUR SIGNAL. (SP MODE)

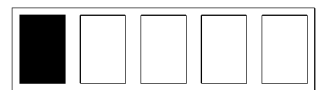
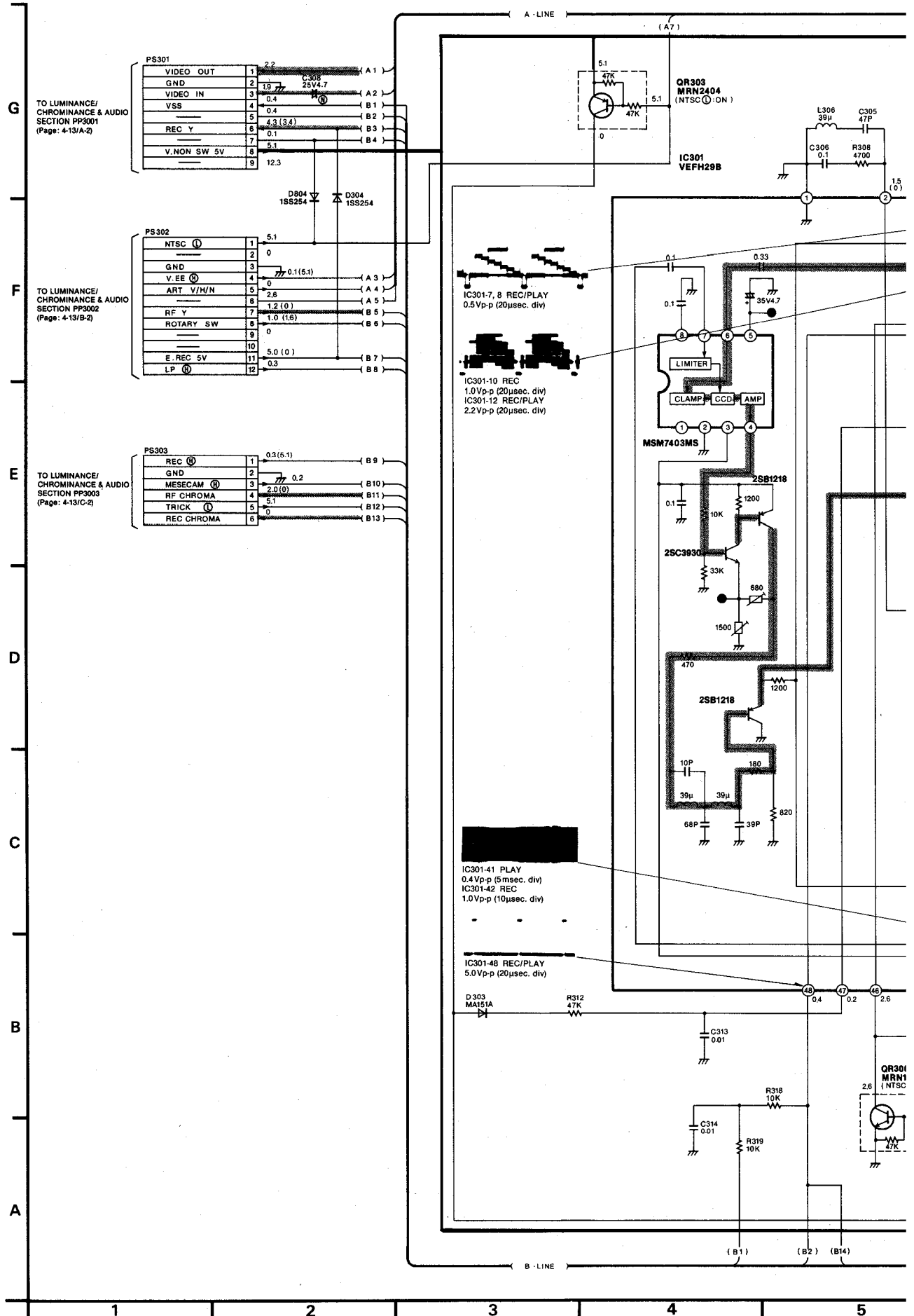
10 | 11 | 12 | 13 | 14 | 15 |



# PATH IN REC MODE PATH IN PLAYBACK MODE



# 4-5. LUMINANCE & CHROMINANCE PACK SCHEMATIC DIAGRAM

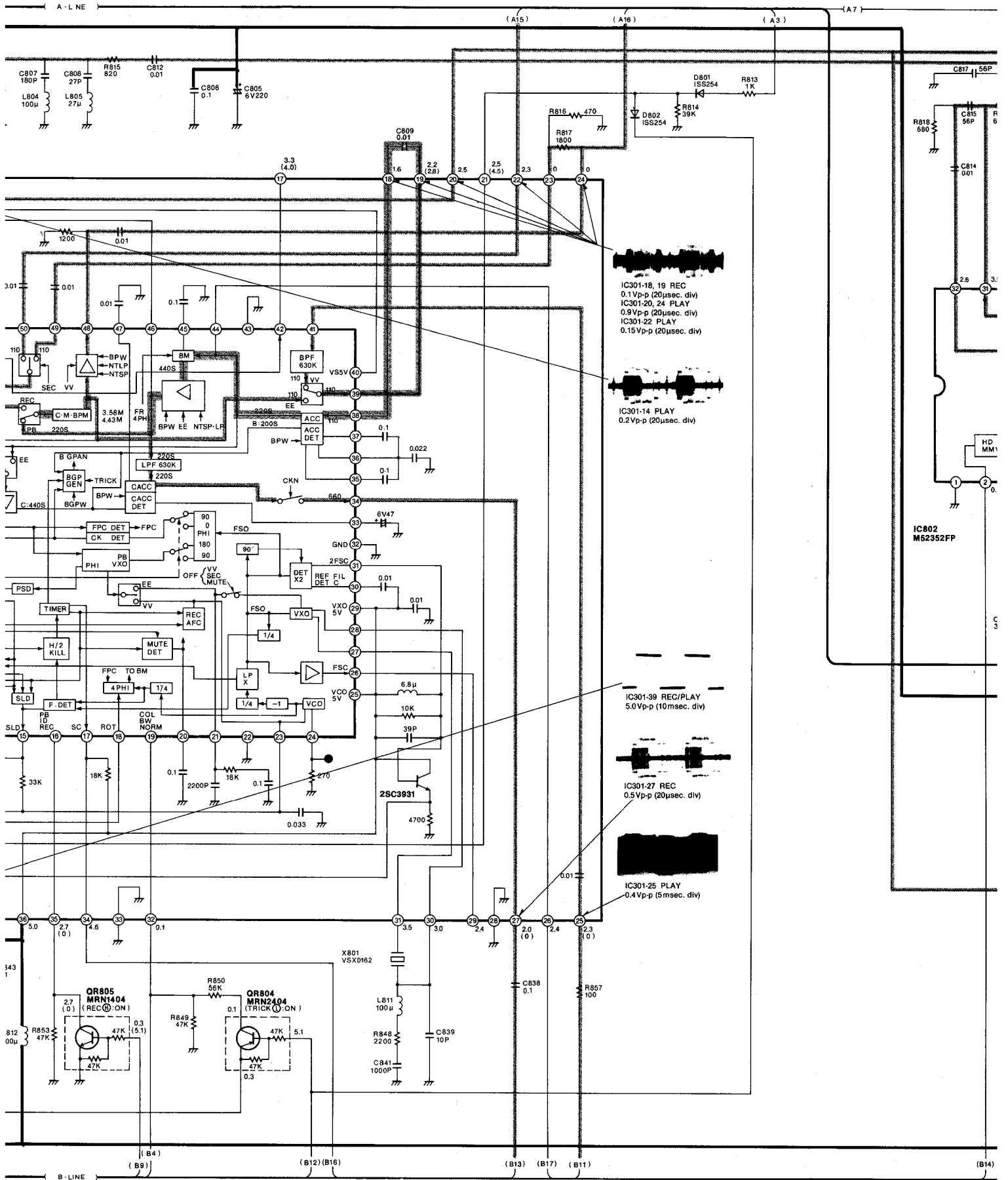




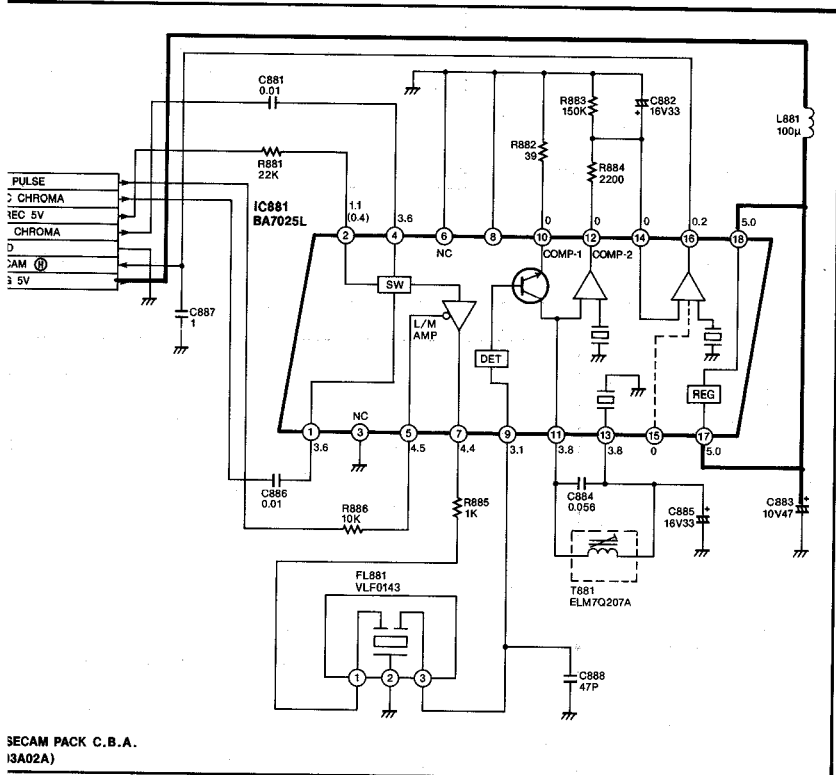


MAIN SIGNAL PATH IN REC MODE

MAIN SIGNAL PATH IN PL





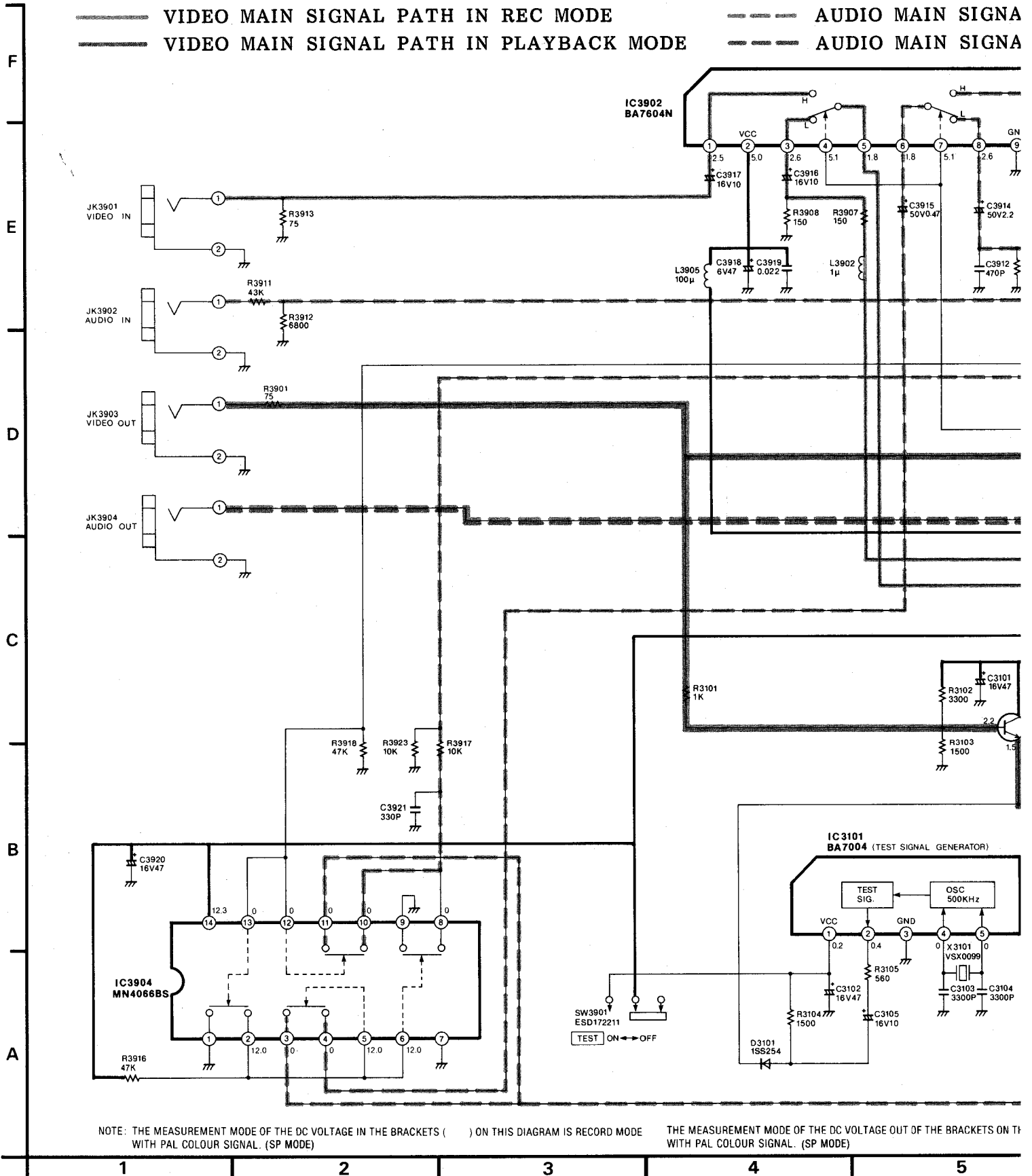


NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE 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)



# 4-6. INPUT/OUTPUT PACK SCHEMATIC DIAGRAM

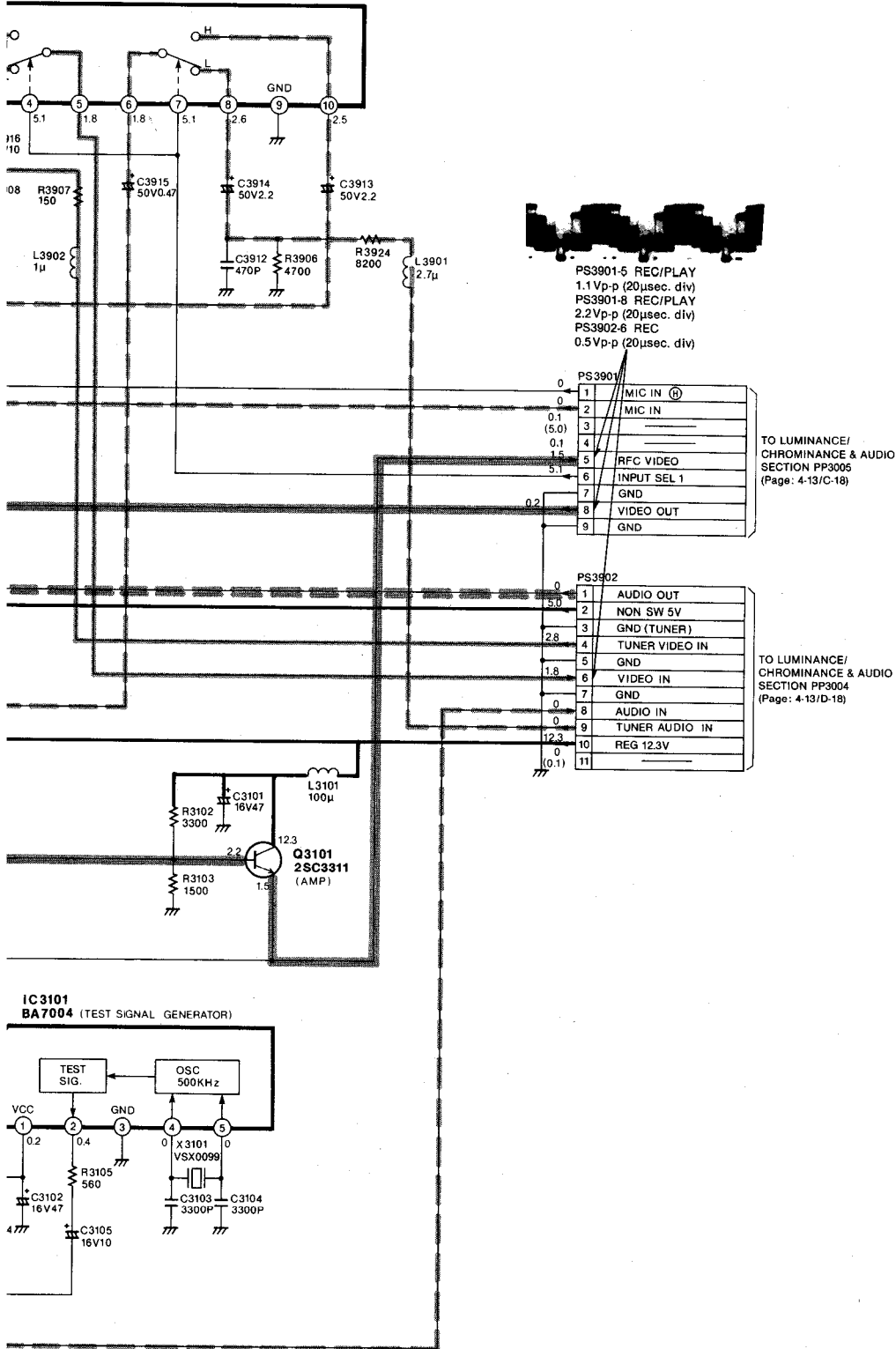


NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE IN THE BRACKETS ( ) ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)      THE MEASUREMENT MODE OF THE DC VOLTAGE OUT OF THE BRACKETS ON THIS DIAGRAM IS RECORD MODE WITH PAL COLOUR SIGNAL. (SP MODE)

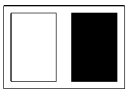
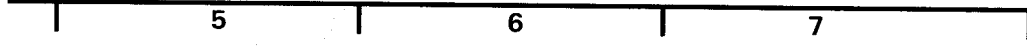


# AUDIO MAIN SIGNAL PATH IN REC MODE

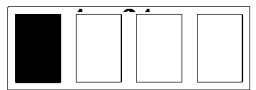
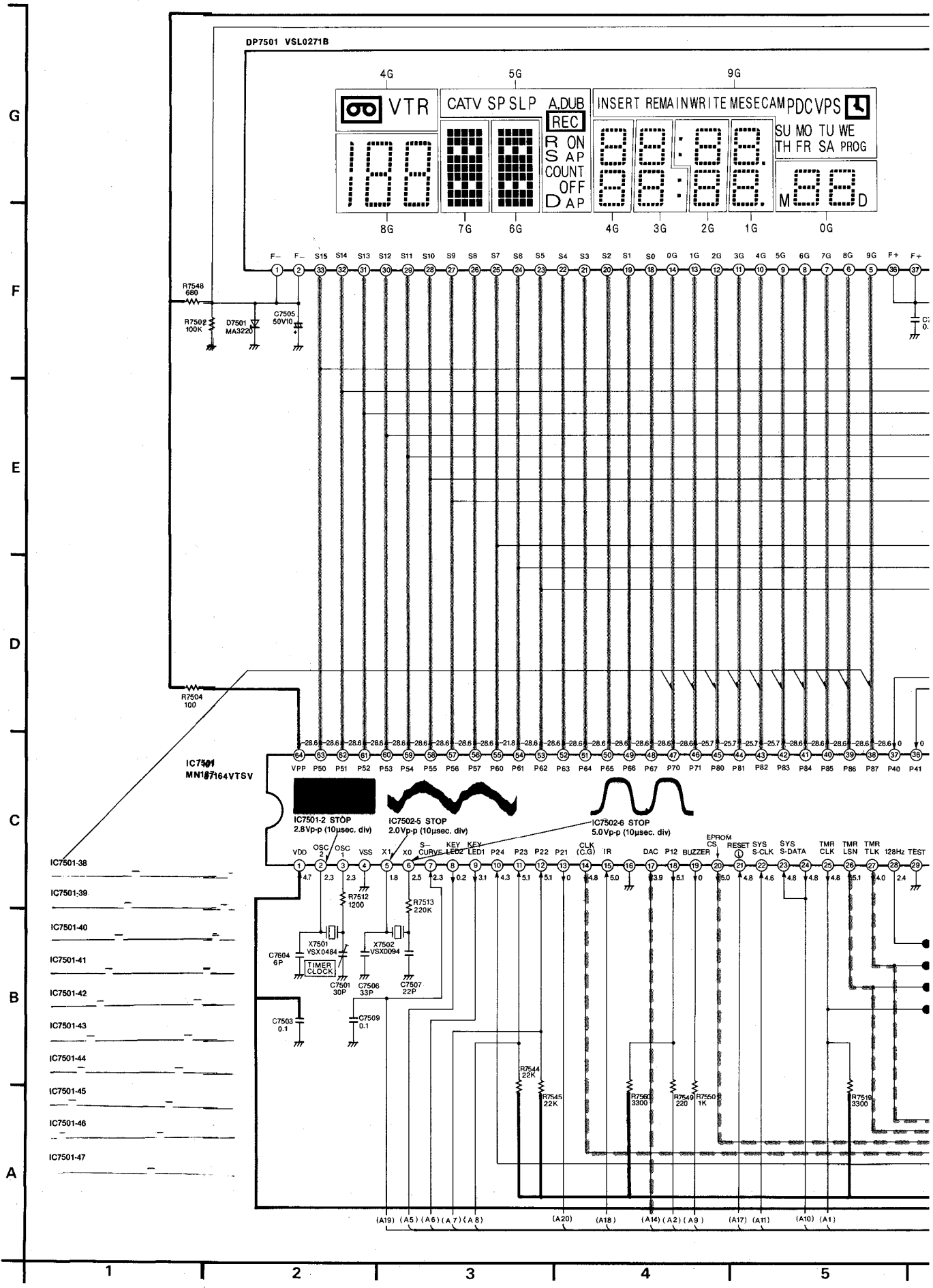
# AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE



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



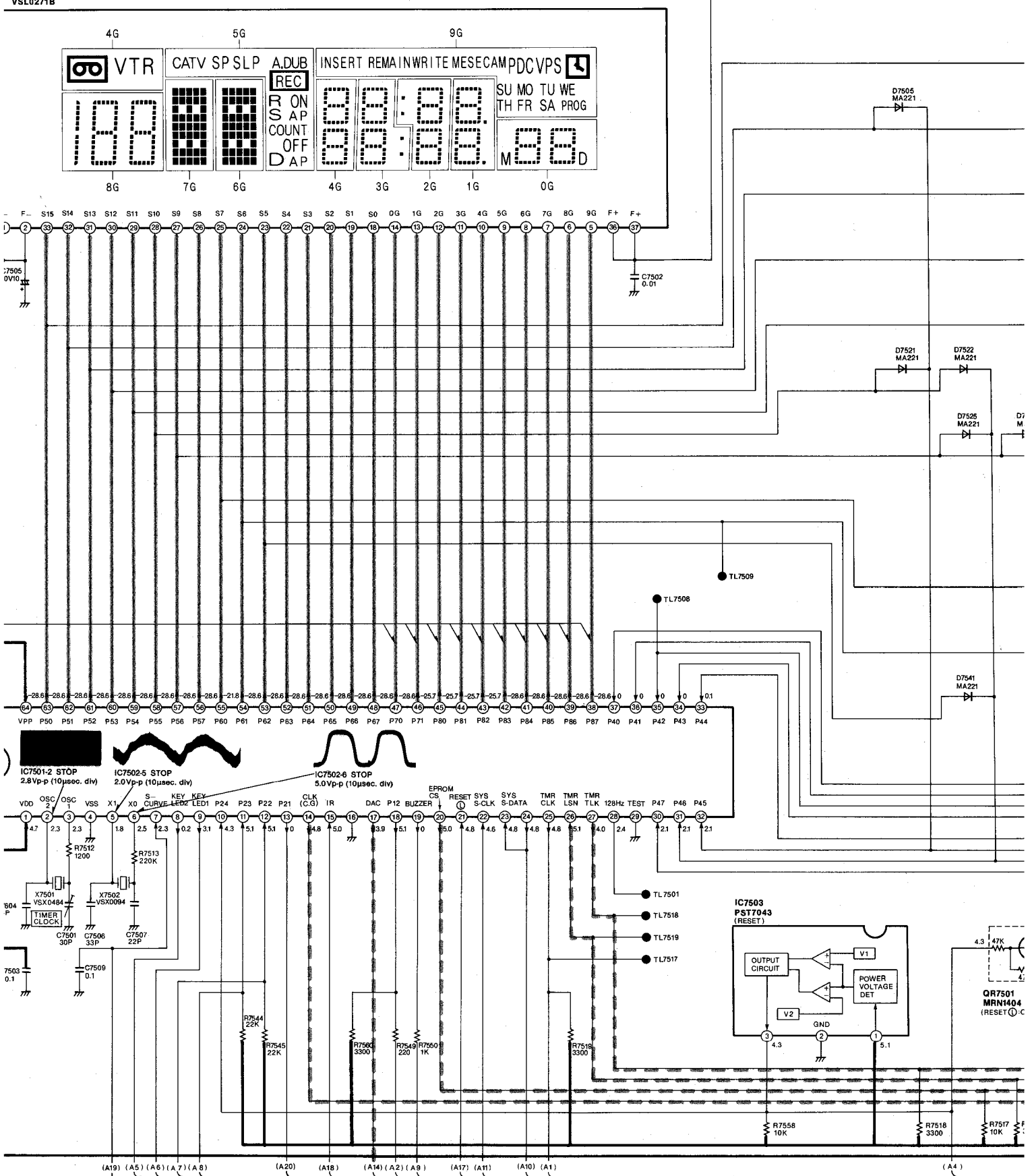
# 4-7. TIMER & OPERATION SCHEMATIC DIAGRAM

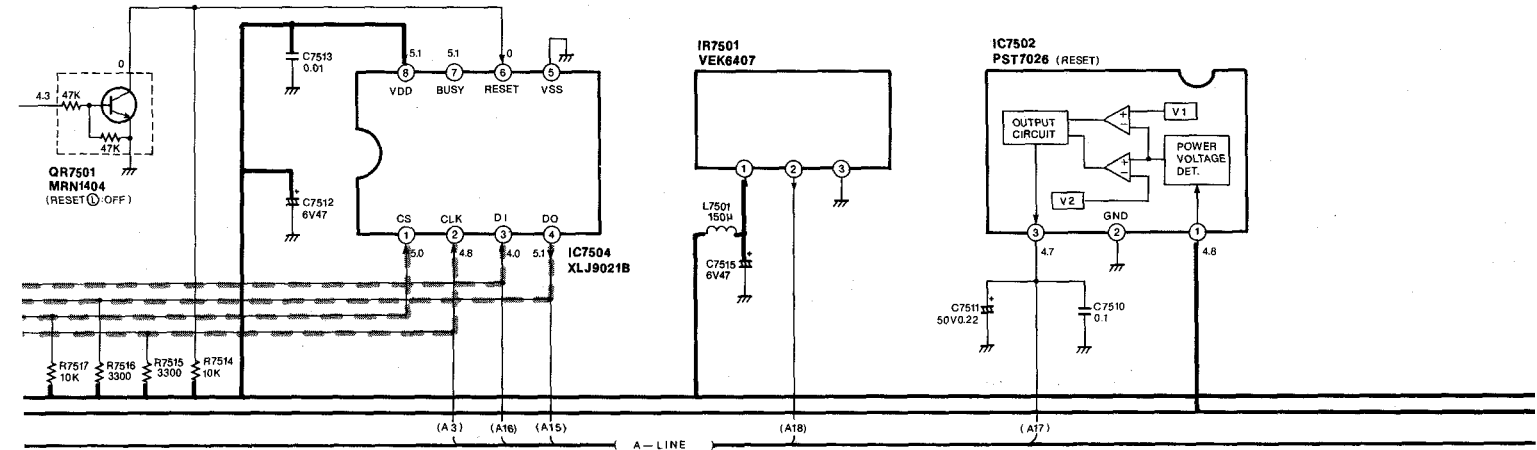
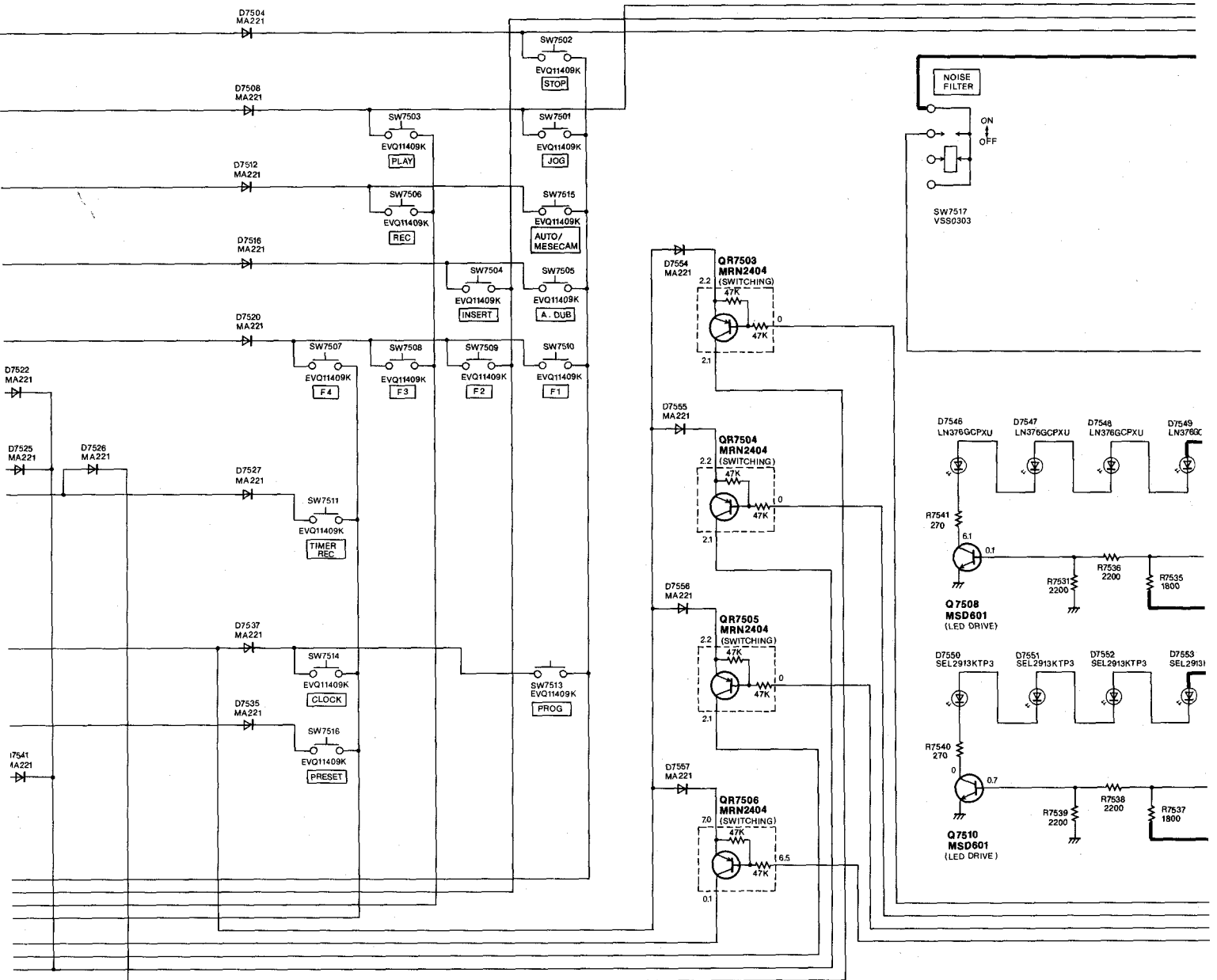


# ION SCHEMATIC DIAGRAM

SEGMENT

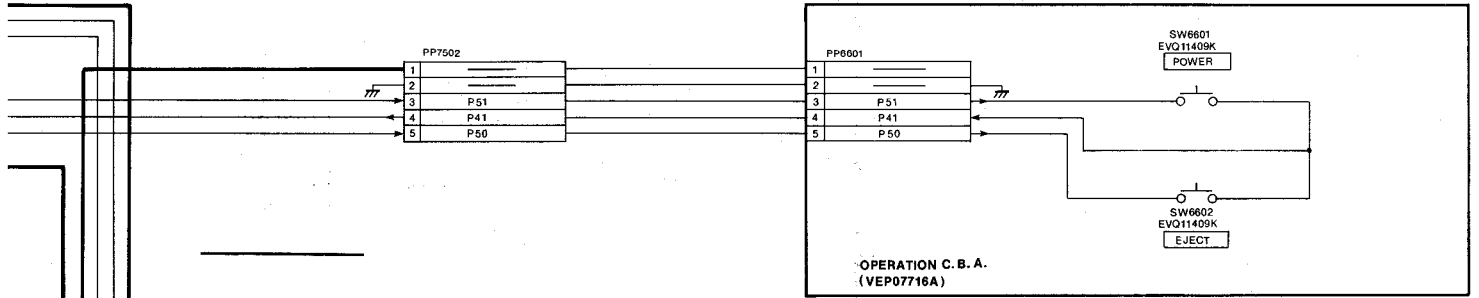
VSL0271B



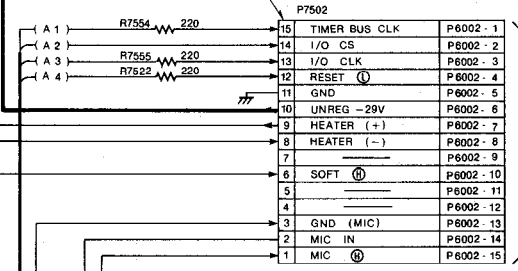




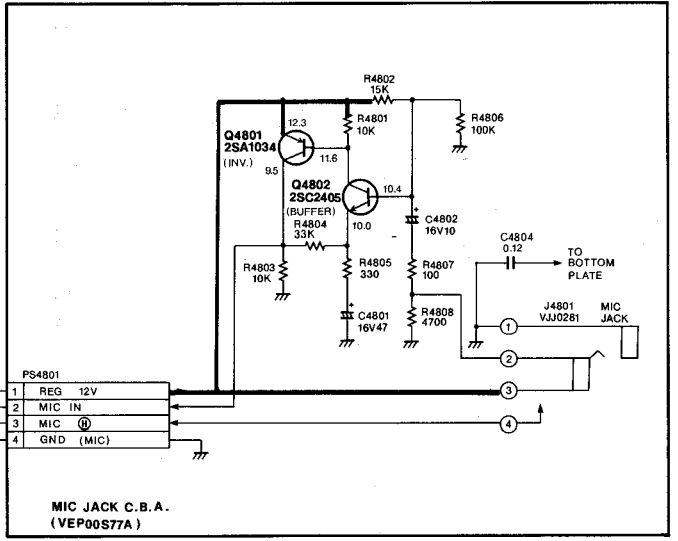
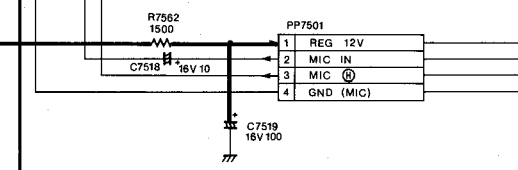
ROL SIGNAL



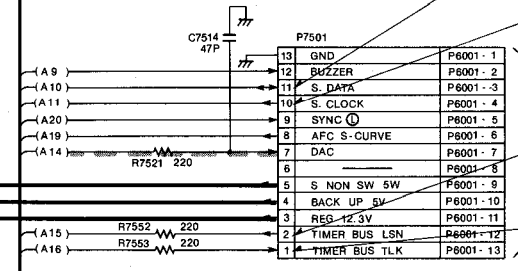
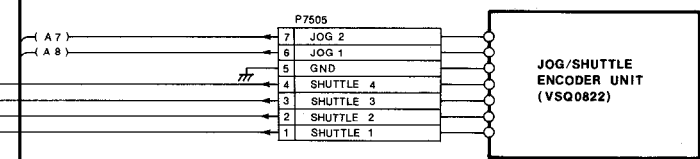
P7502-15 REC  
5.0Vp-p (5msec. div)



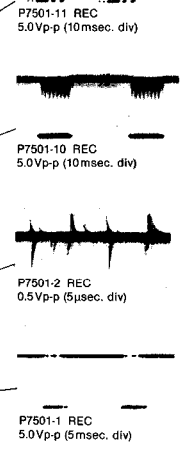
TO SYSTEM CONTROL &  
SERVO SECTION P6002  
(Page: 4-9/C-17)



549  
376GCPXU  
  
5  
  
553  
L2913KTP3  
  
7



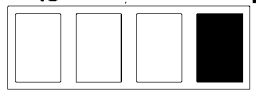
TO SYSTEM CONTROL &  
SERVO SECTION P6001  
(Page: 4-9/G-17)



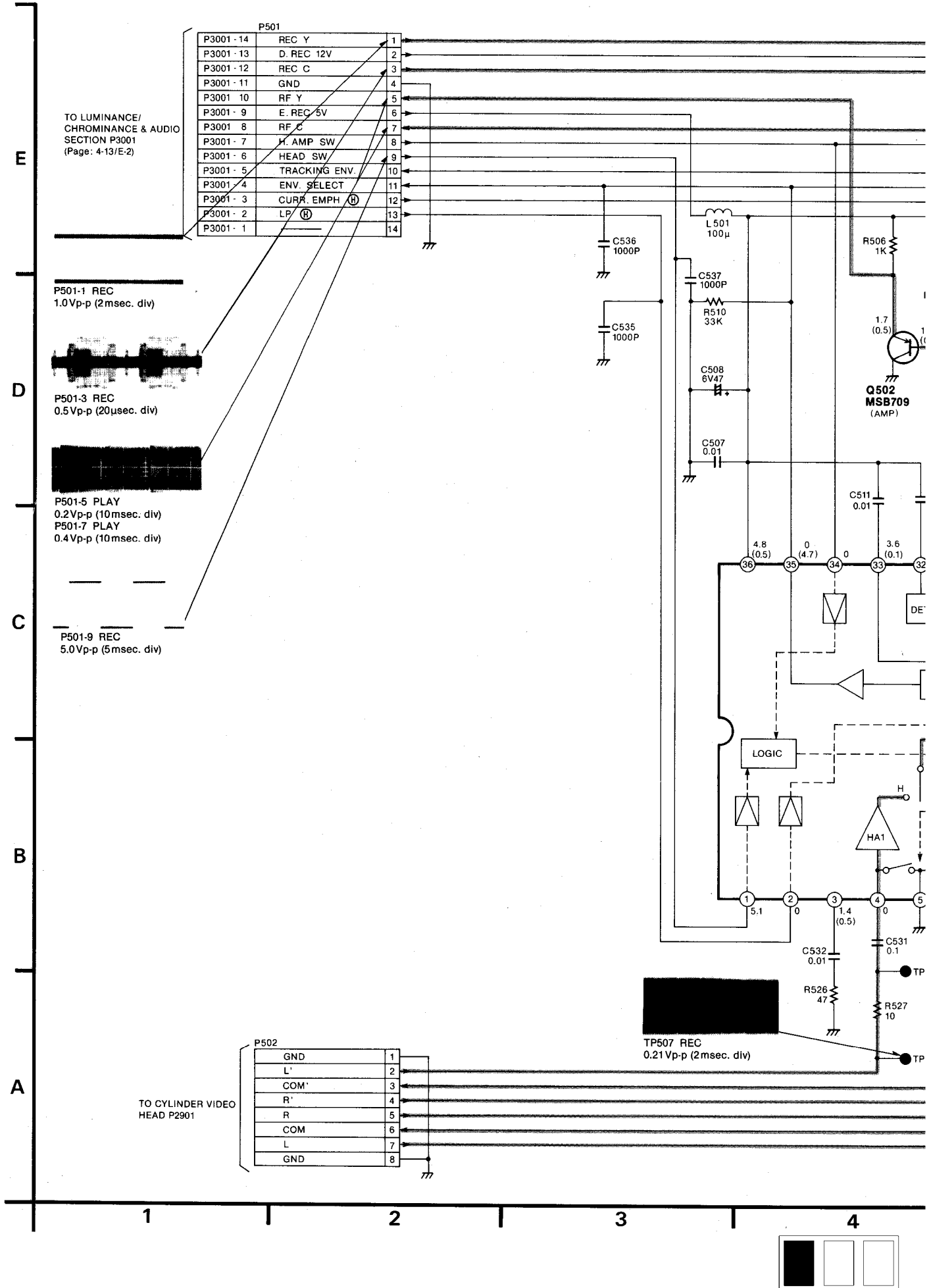
NOTE: DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING. WHEN YOU ORDER A PART, PLEASE REFER TO PARTS LIST.

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

14 | 15 | 16 | 17 | 18

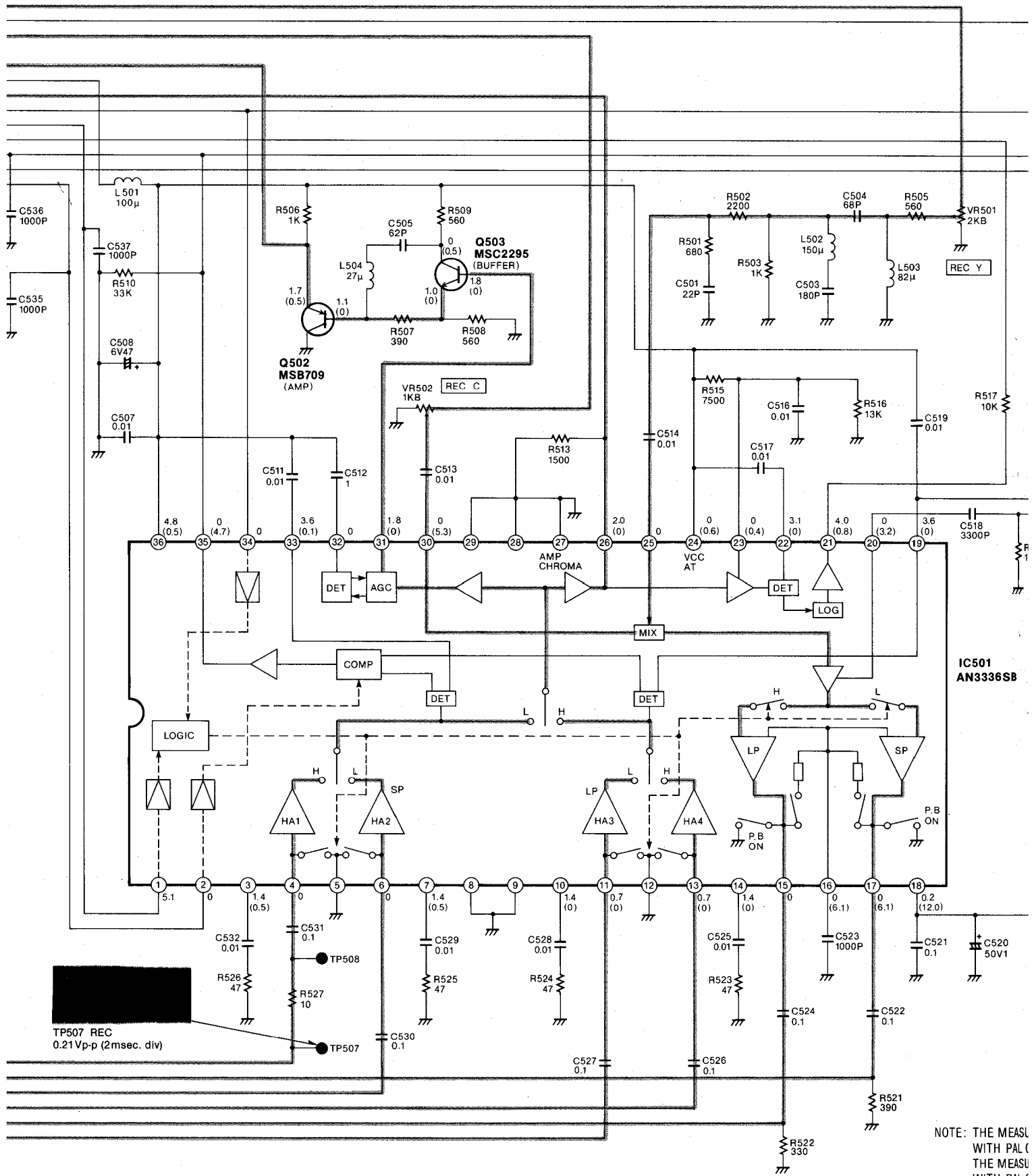


# 4-8. HEAD AMP SCHEMATIC DIAGRAM



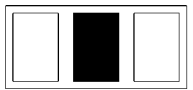
VIDEO MAIN SIGNAL PATH IN REC MODE

VIDEO MAIN SIGNAL PATH IN PLAYBACK



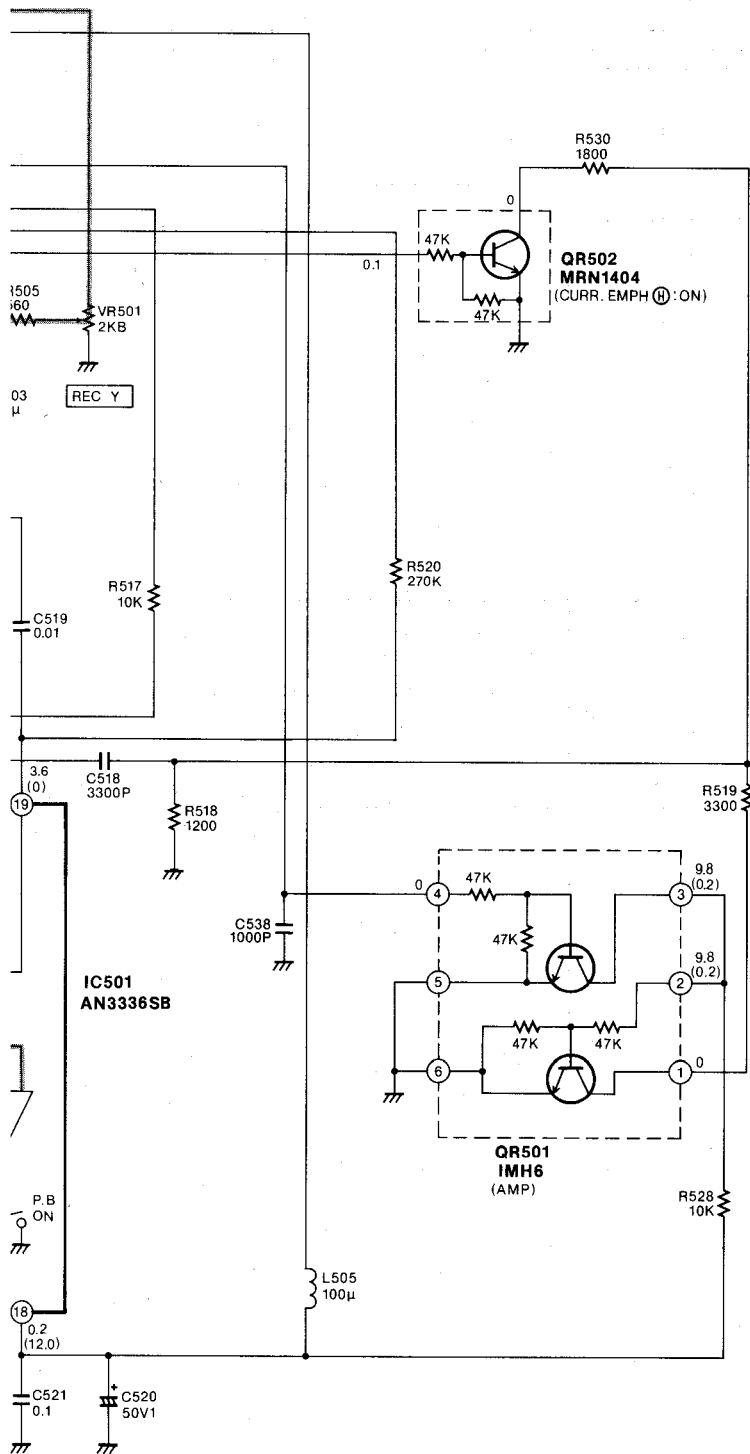
TP507 REC  
0.21Vp-p (2msec. div)

NOTE: THE MEASL  
WITH PAL ( THE MEASU  
WITH PAL (



REC MODE

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.

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)

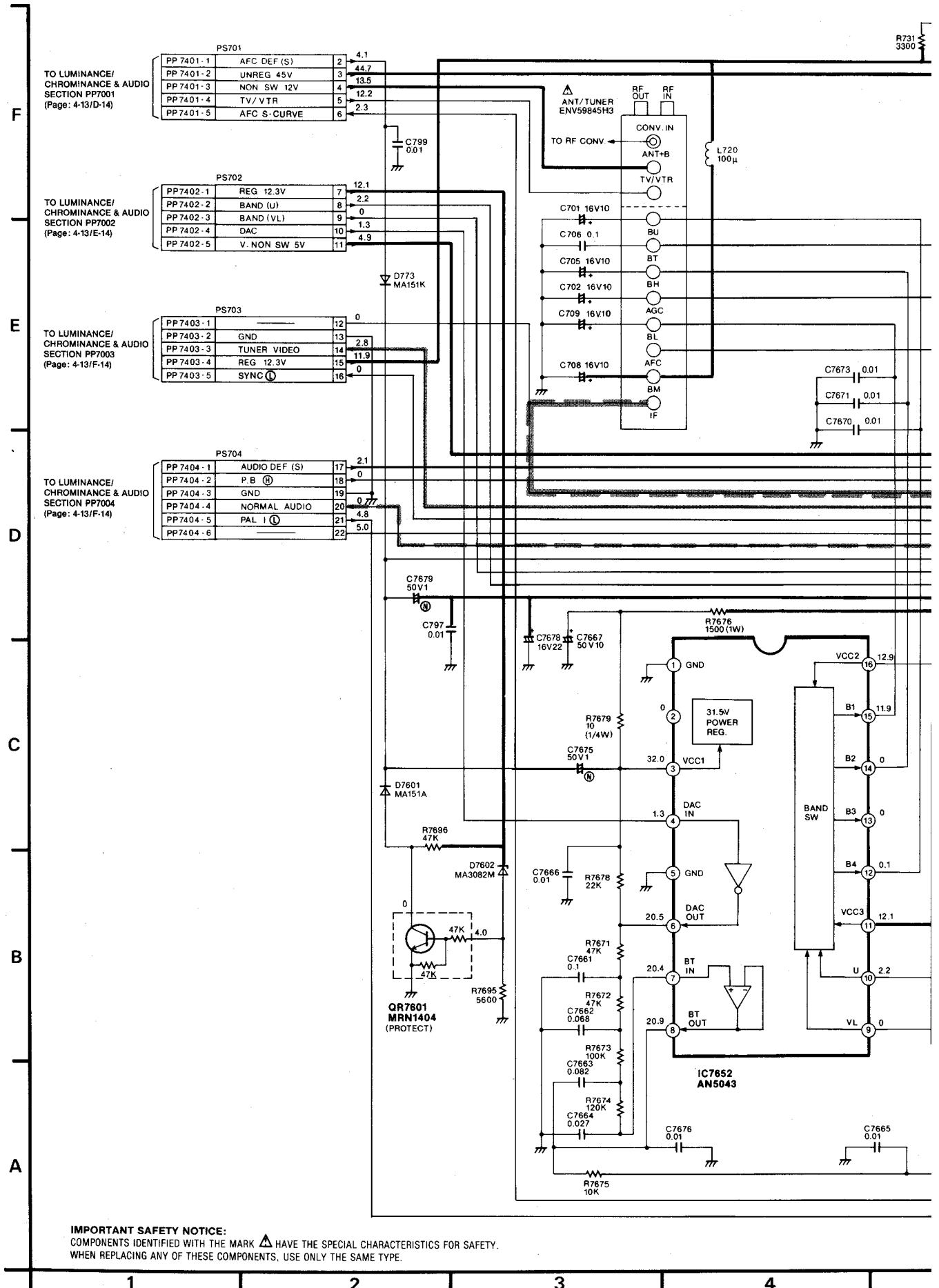
7

8

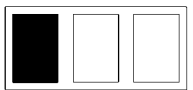
9



# 4.9. TV DEMODULATOR PACK SCHEMATIC DIAGRAM

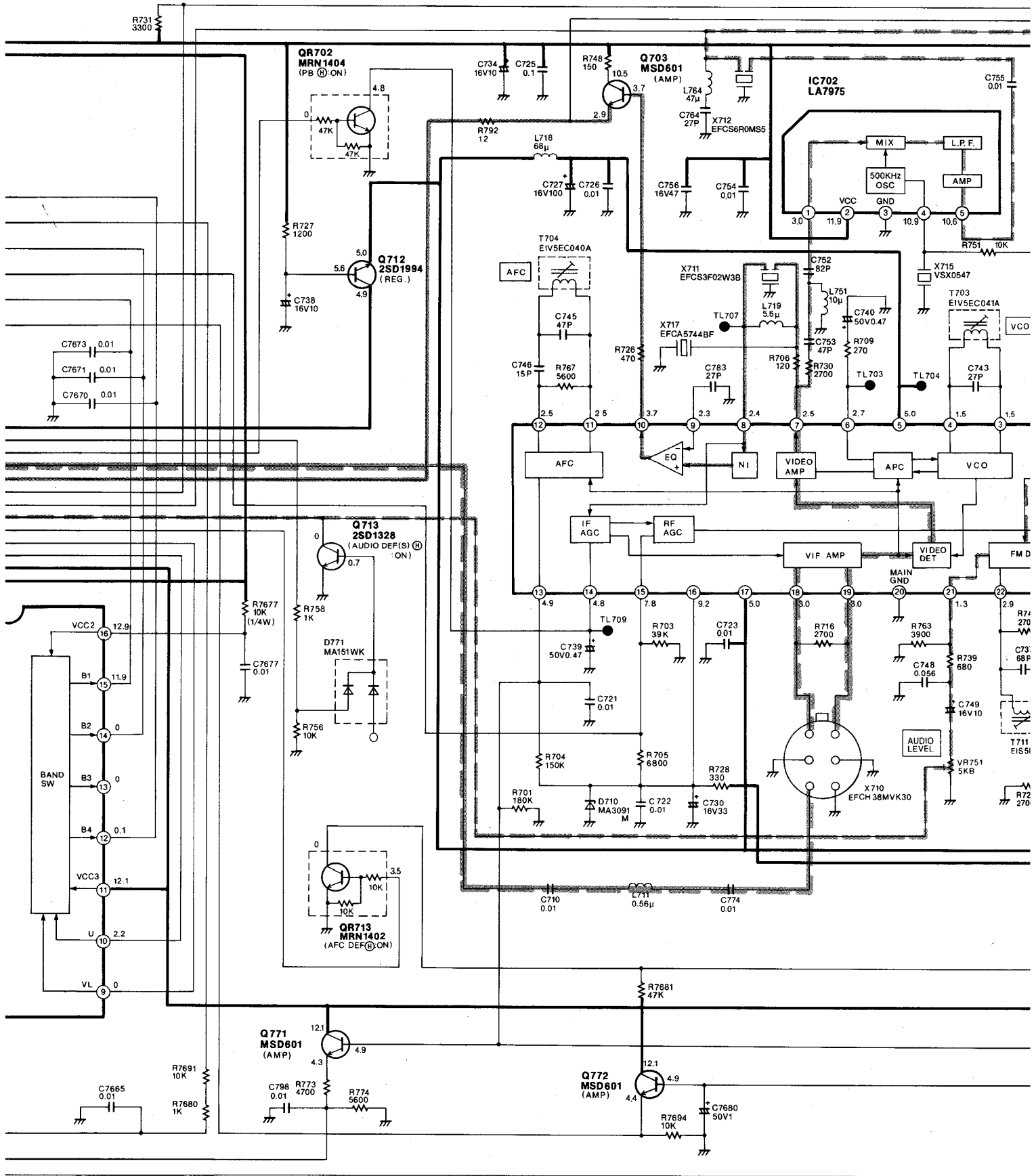


**IMPORTANT SAFETY NOTICE:**  
 COMPONENTS IDENTIFIED WITH THE MARK  $\Delta$  HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.  
 WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.



# VIDEO SIGNAL PATH

AUDI

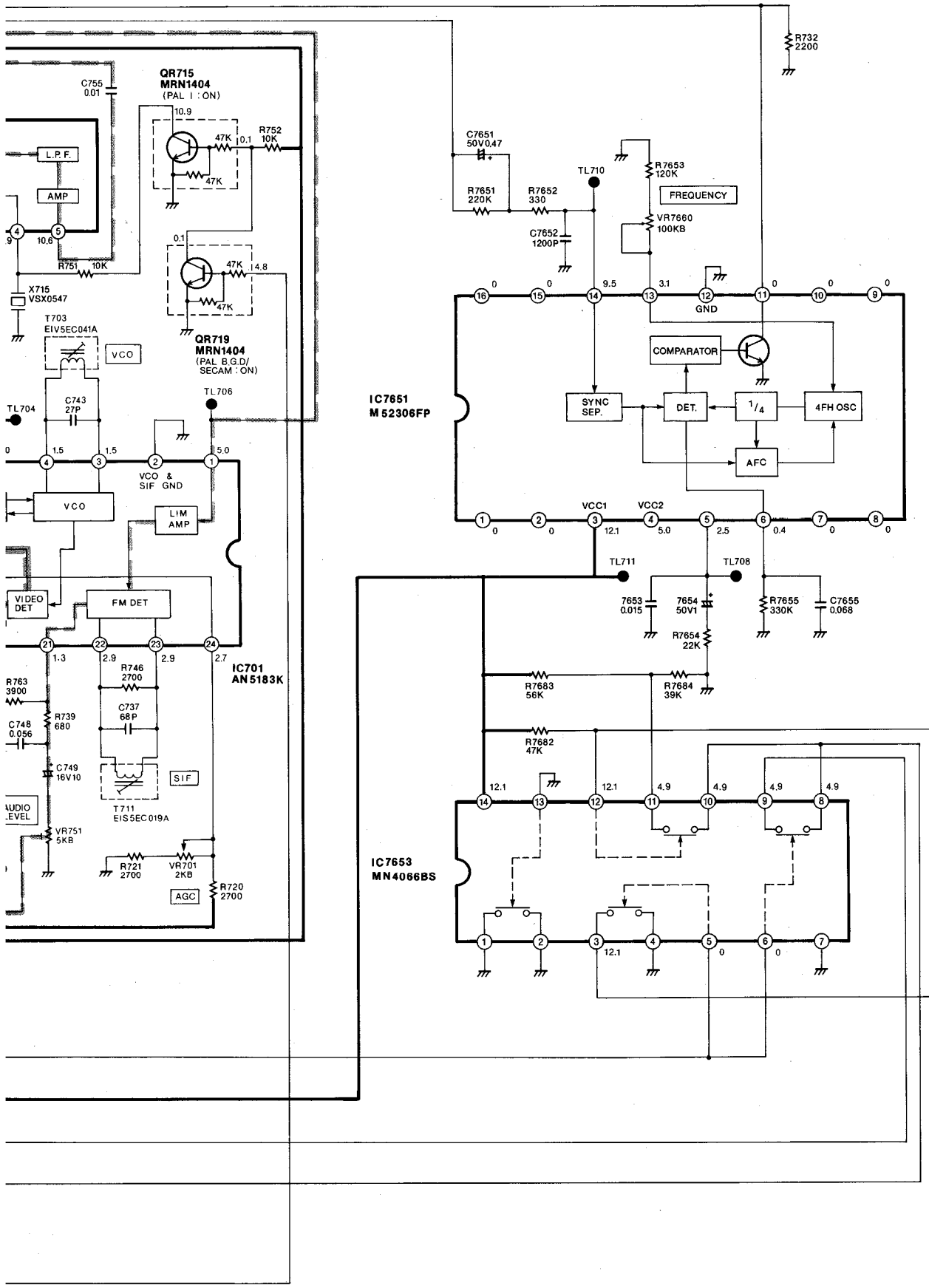


NOTE: THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

1 | 5 | 6 | 7 | 8



# AUDIO SIGNAL PATH



TOP 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.

