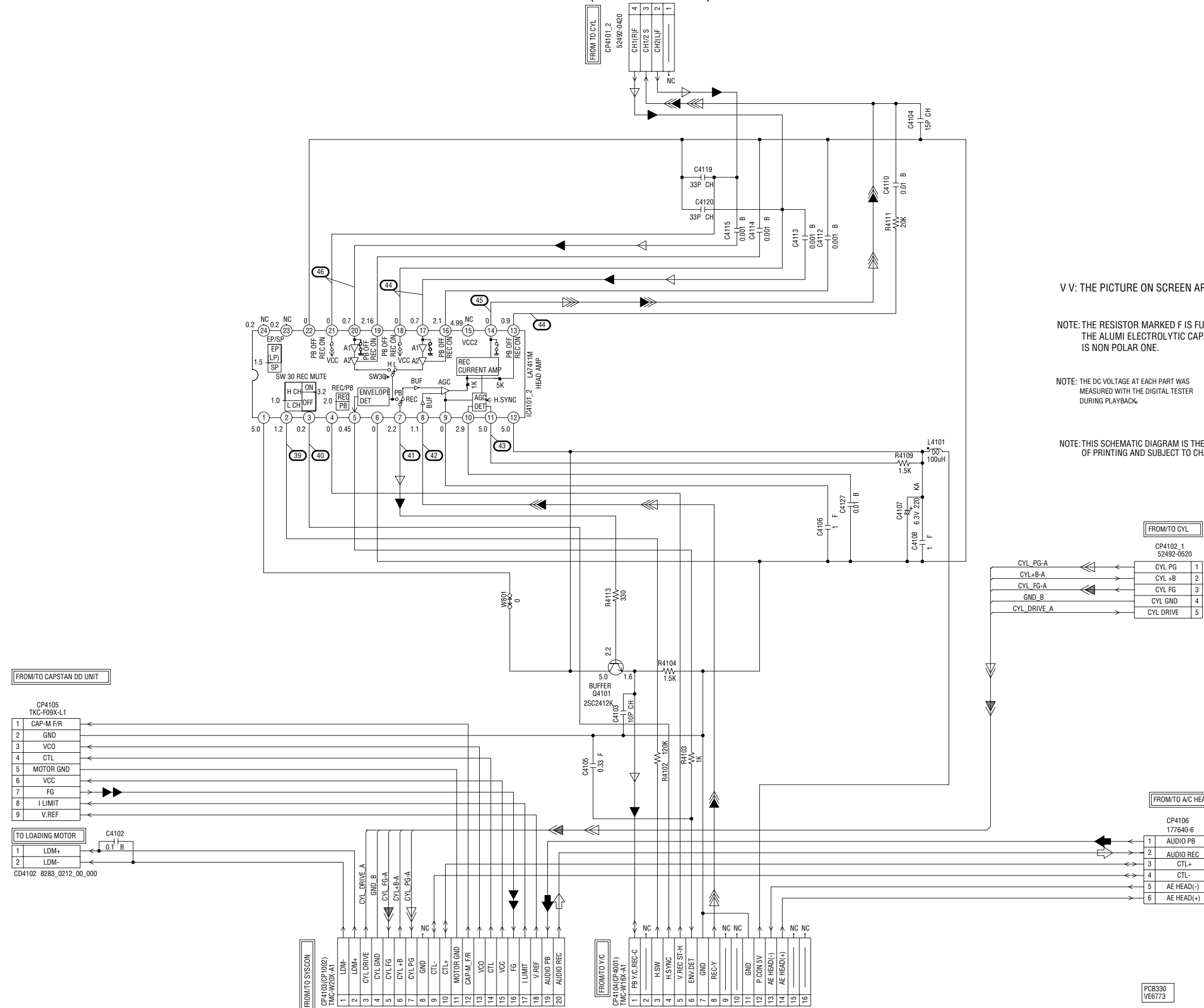


HEAD AMP SCHEMATIC DIAGRAM

(HEAD AMP PCB)



V V: THE PICTURE ON SCREEN APPEARS DURING PLAYBACK.

NOTE: THE RESISTOR MARKED F IS FUSE RESISTOR.
THE ALUMI ELECTROLYTIC CAPACITOR MARKED NP IS NON POLAR ONE.

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE .

FROM/TO CYL

CP4102_1 52492-0520	
CYL PG-A	CYL PG 1
CYL+B-A	CYL +B 2
CYL FG-A	CYL FG 3
GND_B	CYL GND 4
CYL DRIVE A	CYL DRIVE 5

FROM/TO CAPSTAN DD UNIT

CP4105 TKC-F09X-L1	
1	CAP-M F/R
2	GND
3	VCO
4	CTL
5	MOTOR GND
6	VCC
7	FG
8	I LIMIT
9	V.REF

TO LOADING MOTOR

CD4102 8283_0212_00_000	
1	LDM+
2	LDM-

FROM/TO A/C HEAD

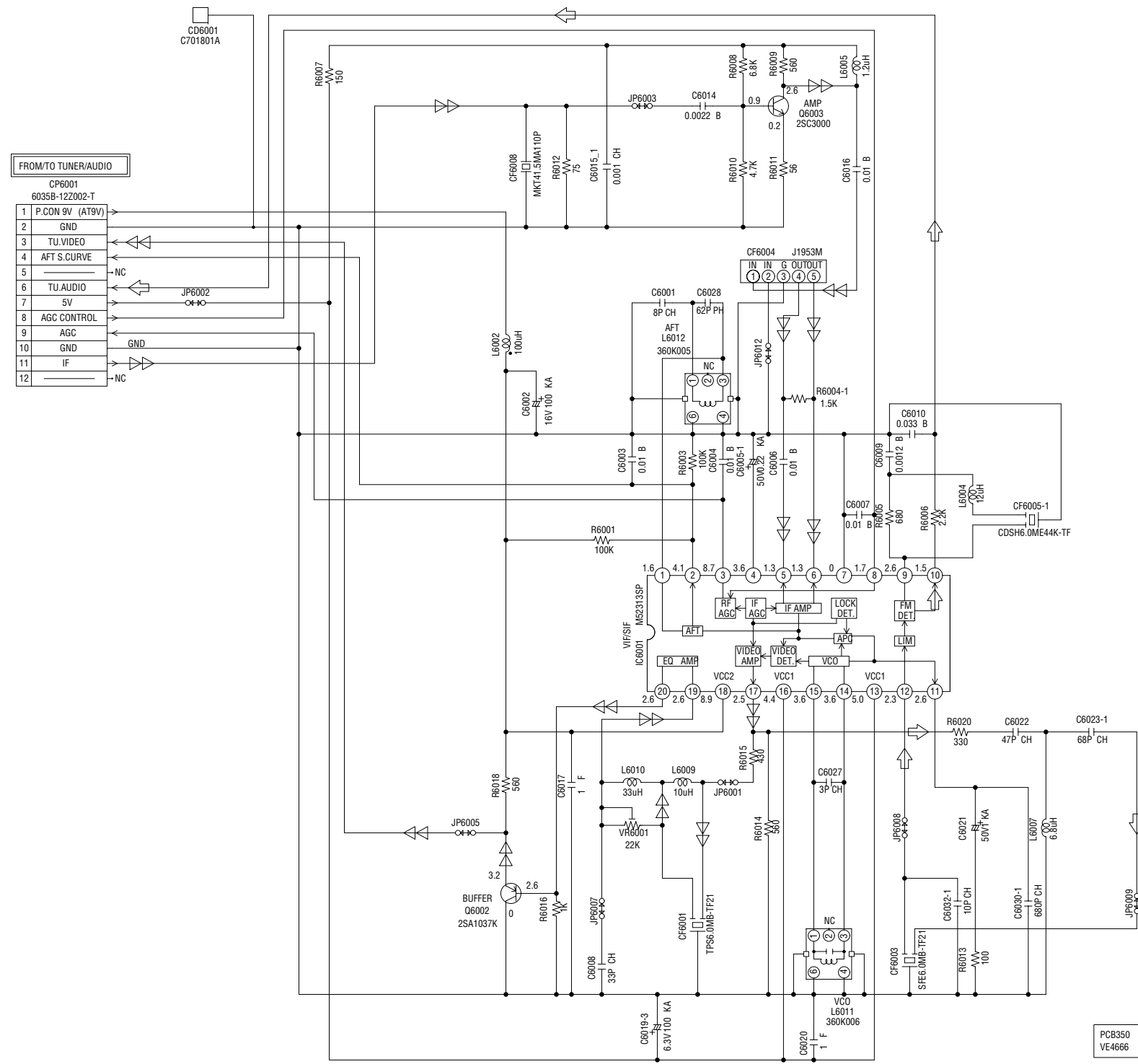
CP4106 177640-6	
1	AUDIO PB
2	AUDIO REC
3	CTL+
4	CTL-
5	AE HEAD(-)
6	AE HEAD(+)

- ◀ CAPSTAN AFC SIGNAL
- ◀ RECORD LUMINANCE SIGNAL
- ▶ PLAYBACK LUMINANCE SIGNAL
- ◀ RECORD COLOR SIGNAL
- ◀ PLAYBACK COLOR SIGNAL
- ◀ AUDIO SIGNAL(REC)
- ▶ AUDIO SIGNAL(PB)
- ◀ CYLINDER AFC SIGNAL
- ◀ CYLINDER APC SIGNAL

PCB330
VE6773

IF SCHEMATIC DIAGRAM

(IF PCB)



FROM TO TUNER/AUDIO	
1	P.CON 9V (AT9V)
2	GND
3	TU.VIDEO
4	AFT S.CURVE
5	NC
6	TU.AUDIO
7	5V
8	AGC CONTROL
9	AGC
10	GND
11	IF
12	NC

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

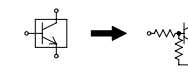
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.


CAUTION: SINCE THESE PARTS MARKED BY  ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

V V: THE PICTURE ON SCREEN APPEARS DURING PLAYBACK.

NOTE: THE RESISTOR MARKED F IS FUSE RESISTOR. THE ALUMI ELECTROLYTIC CAPACITOR MARKED NP IS NON POLAR ONE.

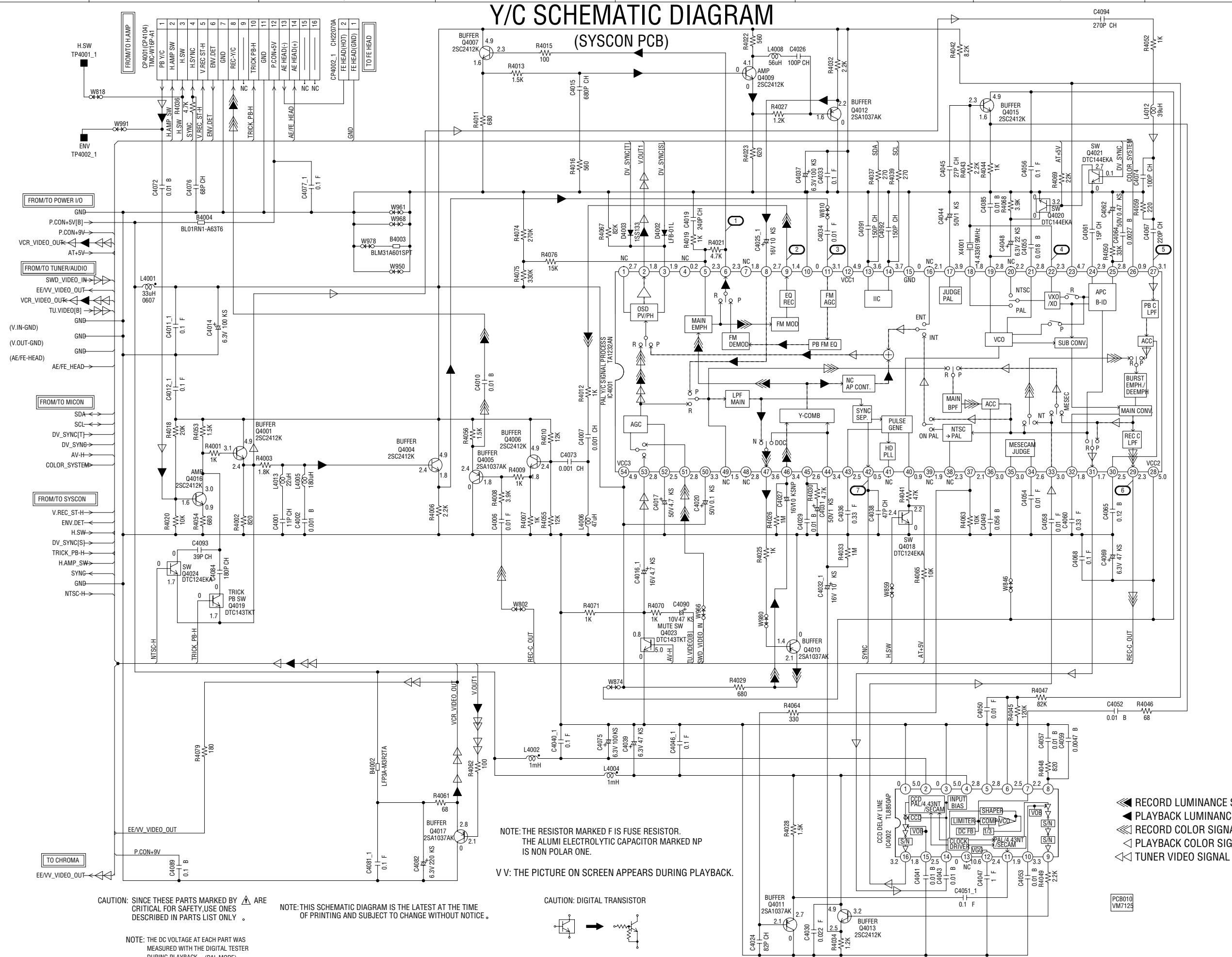
CAUTION: DIGITAL TRANSISTOR



 TUNER VIDEO SIGNAL
 AUDIO SIGNAL(REC)

Y/C SCHEMATIC DIAGRAM

(SYSCON PCB)



NOTE: THE RESISTOR MARKED F IS FUSE RESISTOR.
THE ALUMI ELECTROLYTIC CAPACITOR MARKED NP IS NON POLAR ONE.

V V: THE PICTURE ON SCREEN APPEARS DURING PLAYBACK.

CAUTION: DIGITAL TRANSISTOR



CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

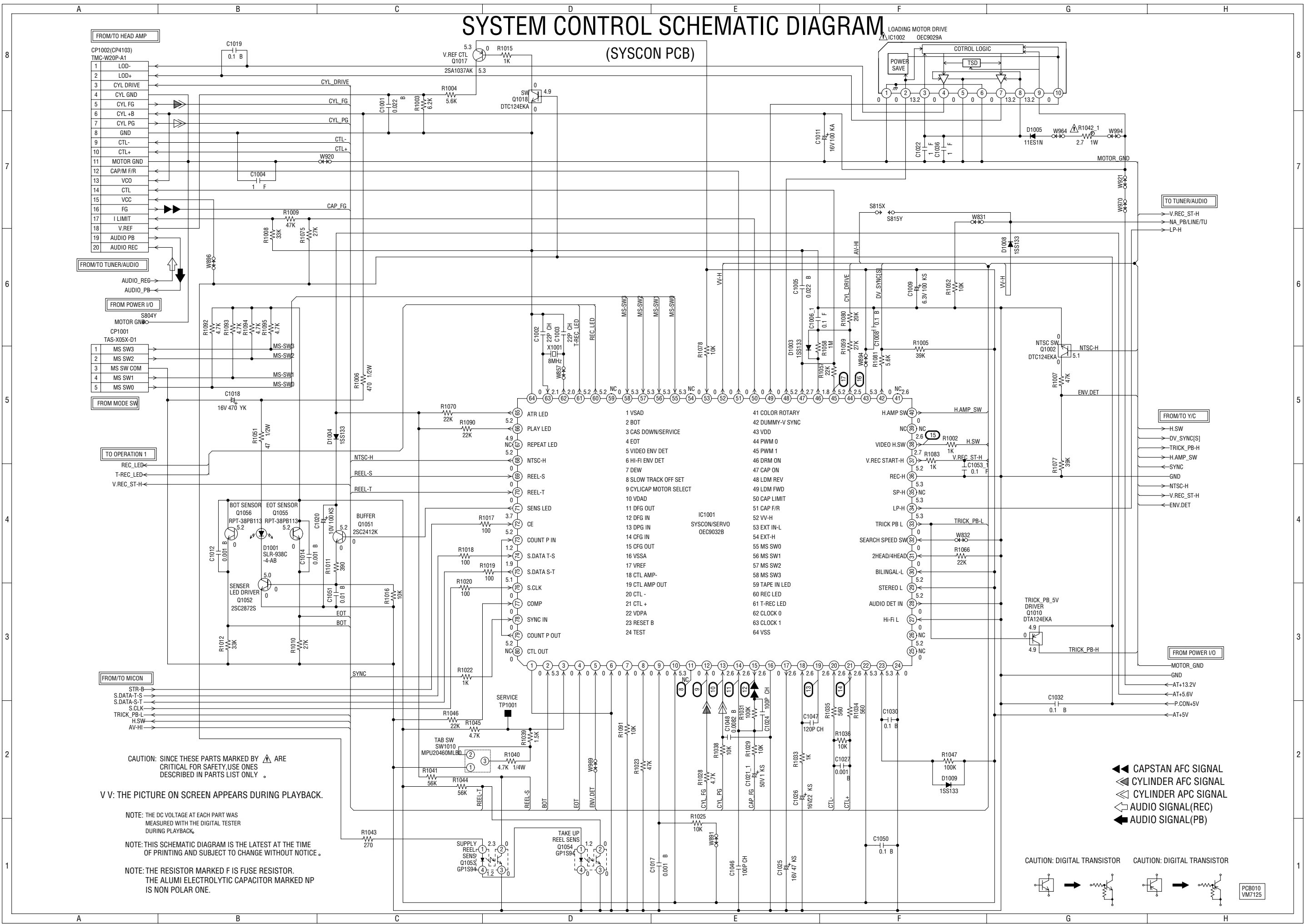
NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK. (PAL MODE)

- RECORD LUMINANCE SIGNAL
- RECORD LUMINANCE SIGNAL
- RECORD COLOR SIGNAL
- PLAYBACK COLOR SIGNAL
- TUNER VIDEO SIGNAL

PCB010 VM7125

SYSTEM CONTROL SCHEMATIC DIAGRAM

(SYSCON PCB)



FROM/TO HEAD AMP

- CP1002(CP4103)
TMC-W20P-A1
- 1 LOD-
 - 2 LOD+
 - 3 CYL DRIVE
 - 4 CYL GND
 - 5 CYL FG
 - 6 CYL +B
 - 7 CYL PG
 - 8 GND
 - 9 CTL-
 - 10 CTL+
 - 11 MOTOR GND
 - 12 CAP/M F/R
 - 13 VCO
 - 14 CTL
 - 15 VCC
 - 16 FG
 - 17 I LIMIT
 - 18 V.REF
 - 19 AUDIO PB
 - 20 AUDIO REC

FROM/TO TUNER/AUDIO

- AUDIO_REC
- AUDIO_PB

FROM POWER I/O

- S804Y
MOTOR GND

- CP1001
TAS-X05X-D1
- 1 MS SW3
 - 2 MS SW2
 - 3 MS SW COM
 - 4 MS SW1
 - 5 MS SW0

FROM MODE SW

- REC_LED
- T-REC_LED
- V_REC_ST-H

TO OPERATION 1

- REEL-S
- REEL-T
- NTSC-H
- ENV_DET

FROM/TO MICON

- STR-B
- S.DATA-T-S
- S.DATA-S-T
- S.CLK
- TRICK_PB-L
- H.SW
- AV-HI

TO TUNER/AUDIO

- V_REC_ST-H
- NA_PB/LINE/TU
- LP-H

FROM/TO Y/C

- H.SW
- DV_SYNC[S]
- TRICK_PB-H
- H.AMP_SW
- SYNC
- GND
- NTSC-H
- V_REC_ST-H
- ENV_DET

FROM POWER I/O

- MOTOR_GND
- GND
- AT+13.2V
- AT+5.6V
- P.COM+5V
- AT+5V

CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY USE ONES DESCRIBED IN PARTS LIST ONLY.

V V: THE PICTURE ON SCREEN APPEARS DURING PLAYBACK.

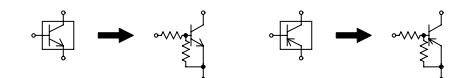
NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE RESISTOR MARKED F IS FUSE RESISTOR. THE ALUMI ELECTROLYTIC CAPACITOR MARKED NP IS NON POLAR ONE.

- CAPSTAN AFC SIGNAL
- CYLINDER AFC SIGNAL
- CYLINDER APC SIGNAL
- AUDIO SIGNAL(REC)
- AUDIO SIGNAL(PB)

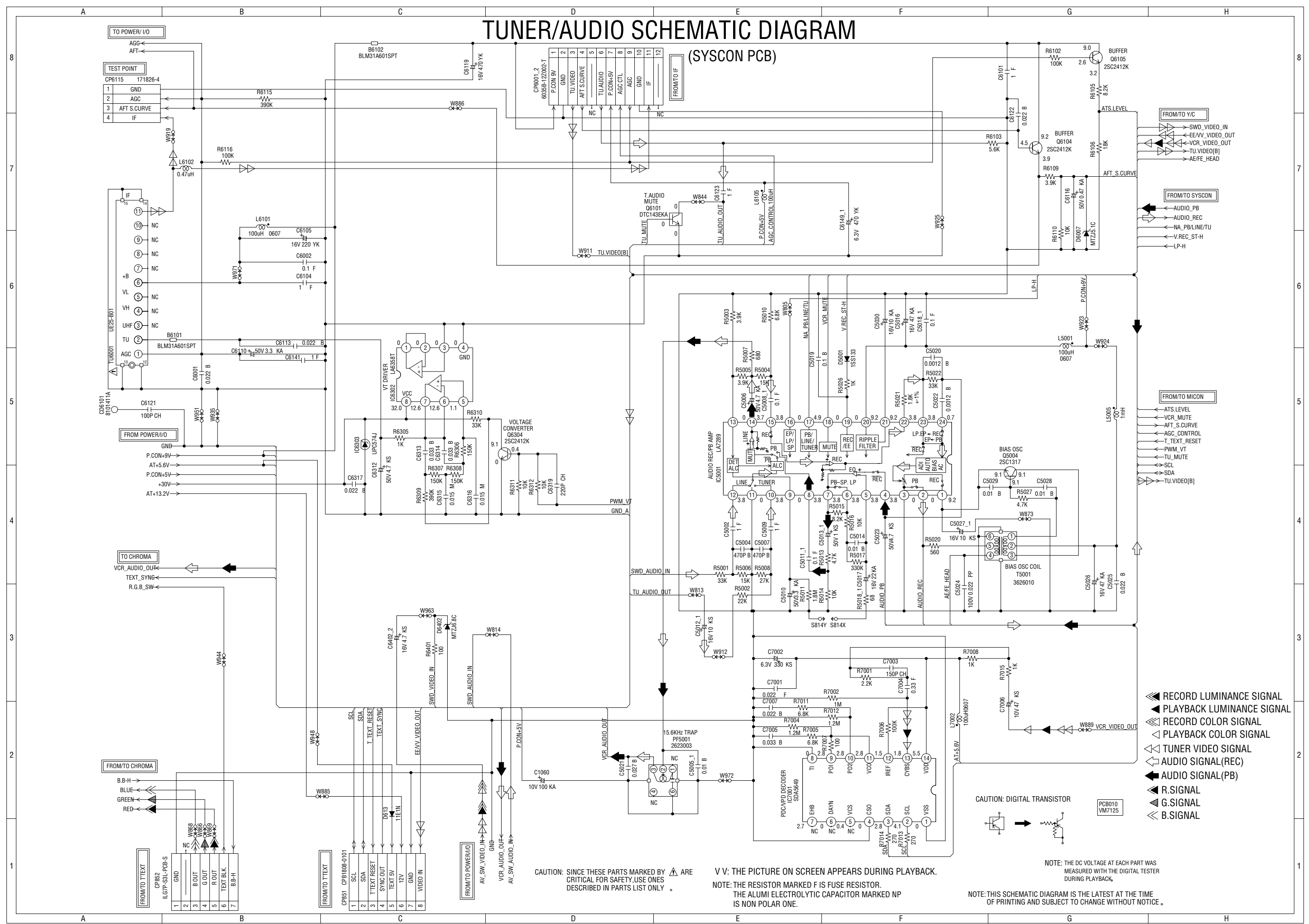
CAUTION: DIGITAL TRANSISTOR



PCB010
VM7125

TUNER/AUDIO SCHEMATIC DIAGRAM

(SYSCON PCB)



- ▶ RECORD LUMINANCE SIGNAL
- ▶ PLAYBACK LUMINANCE SIGNAL
- ▶ RECORD COLOR SIGNAL
- ▶ PLAYBACK COLOR SIGNAL
- ▶ TUNER VIDEO SIGNAL
- ▶ AUDIO SIGNAL (REC)
- ▶ AUDIO SIGNAL (PB)
- ▶ R.SIGNAL
- ▶ G.SIGNAL
- ▶ B.SIGNAL

CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

V V: THE PICTURE ON SCREEN APPEARS DURING PLAYBACK.
NOTE: THE RESISTOR MARKED F IS FUSE RESISTOR.
THE ALUMI ELECTROLYTIC CAPACITOR MARKED NP IS NON POLAR ONE.

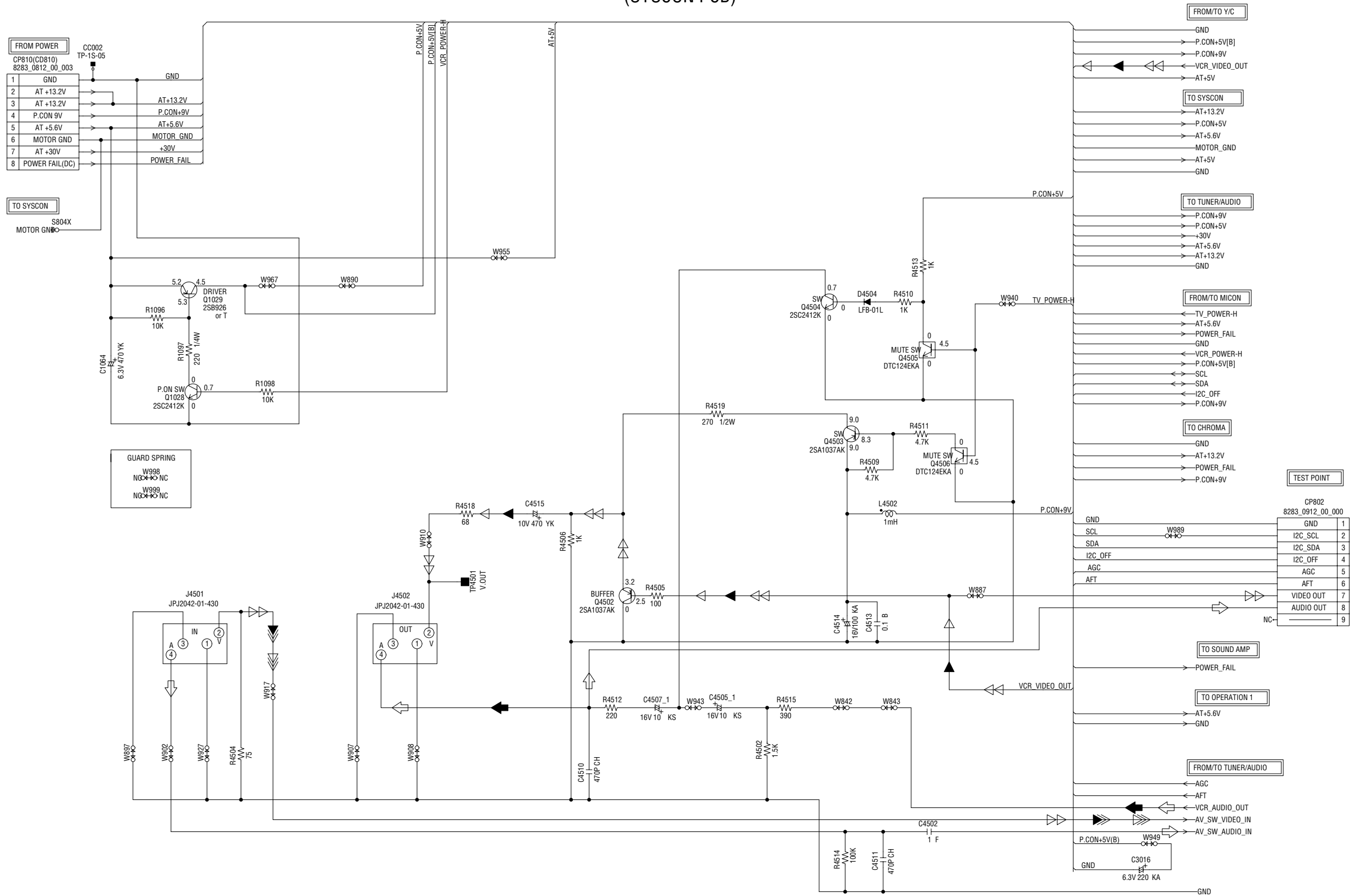
CAUTION: DIGITAL TRANSISTOR

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

POWER/IN/OUT SCHEMATIC DIAGRAM

(SYSCON PCB)



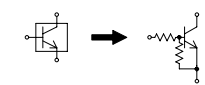
CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

V V: THE PICTURE ON SCREEN APPEARS DURING PLAYBACK.
NOTE: THE RESISTOR MARKED F IS FUSE RESISTOR.
THE ALUMI ELECTROLYTIC CAPACITOR MARKED NP IS NON POLAR ONE.

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

CAUTION: DIGITAL TRANSISTOR

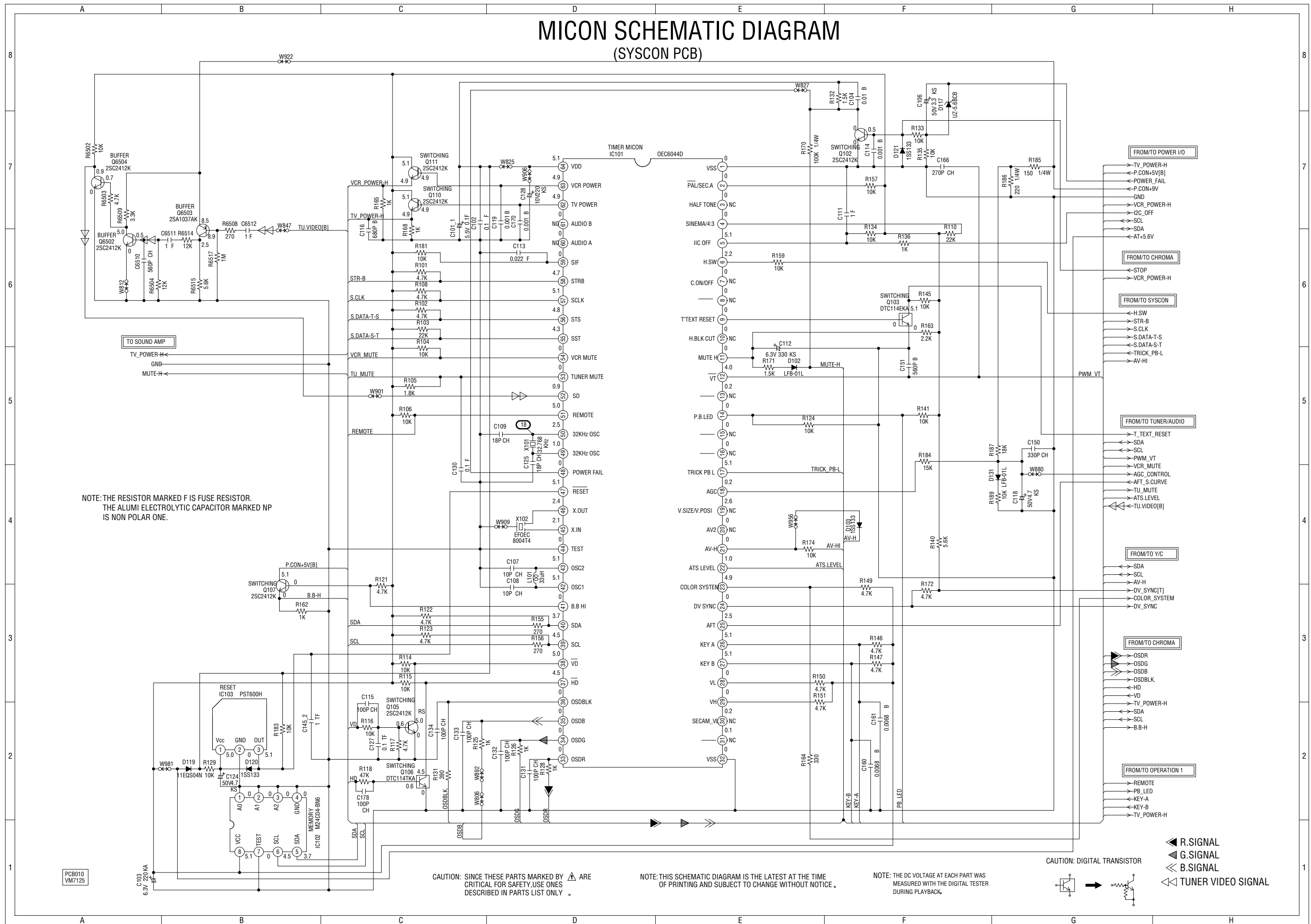


- RECORD LUMINANCE SIGNAL
- RECORD COLOR SIGNAL
- TUNER VIDEO SIGNAL
- AUDIO SIGNAL (PB)
- AUDIO SIGNAL (REC)
- PLAYBACK LUMINANCE SIGNAL
- PLAYBACK COLOR SIGNAL

PCB010
VM7125

MICON SCHEMATIC DIAGRAM

(SYSCON PCB)



NOTE: THE RESISTOR MARKED F IS FUSE RESISTOR.
THE ALUMI ELECTROLYTIC CAPACITOR MARKED NP
IS NON POLAR ONE.

CAUTION: SINCE THESE PARTS MARKED BY [triangle symbol] ARE
CRITICAL FOR SAFETY, USE ONES
DESCRIBED IN PARTS LIST ONLY.

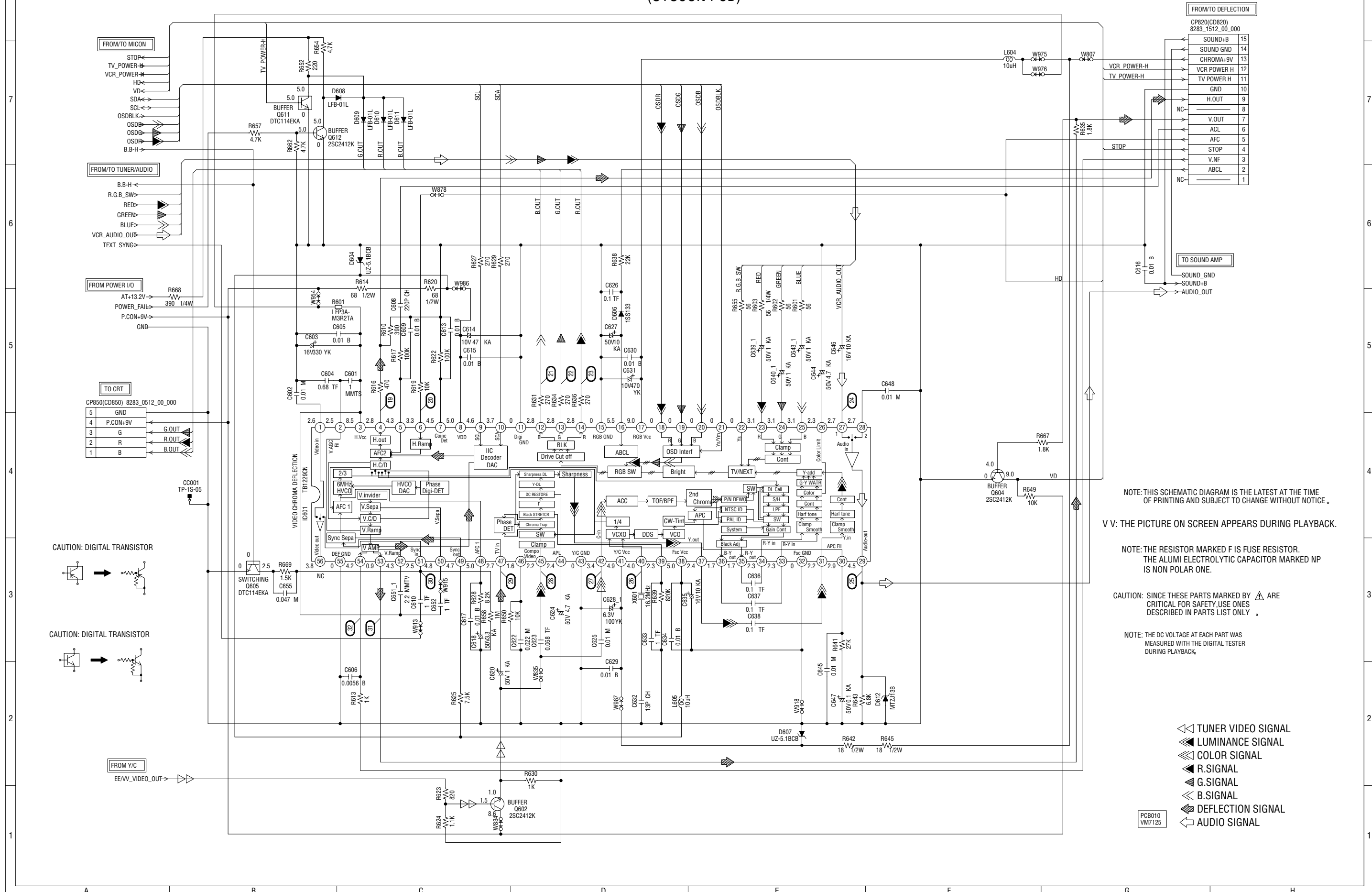
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME
OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE DC VOLTAGE AT EACH PART WAS
MEASURED WITH THE DIGITAL TESTER
DURING PLAYBACK.

CAUTION: DIGITAL TRANSISTOR

- [triangle symbol] R.SIGNAL
- [triangle symbol] G.SIGNAL
- [triangle symbol] B.SIGNAL
- [triangle symbol] TUNER VIDEO SIGNAL

CHROMA SCHEMATIC DIAGRAM (SYSCON PCB)



FROM/TO DEFLECTION

CP820(CD820)	
8283_1512_00_000	
SOUND+B	15
SOUND GND	14
CHROMA+9V	13
VCR POWER H	12
TV POWER H	11
GND	10
H.OUT	9
NC	8
V.OUT	7
ACL	6
AFC	5
STOP	4
V.NF	3
ABCL	2
NC	1

TO SOUND AMP

SOUND_GND	
SOUND+B	
AUDIO_OUT	

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

V V: THE PICTURE ON SCREEN APPEARS DURING PLAYBACK.

NOTE: THE RESISTOR MARKED F IS FUSE RESISTOR. THE ALUMI ELECTROLYTIC CAPACITOR MARKED NP IS NON POLAR ONE.

CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

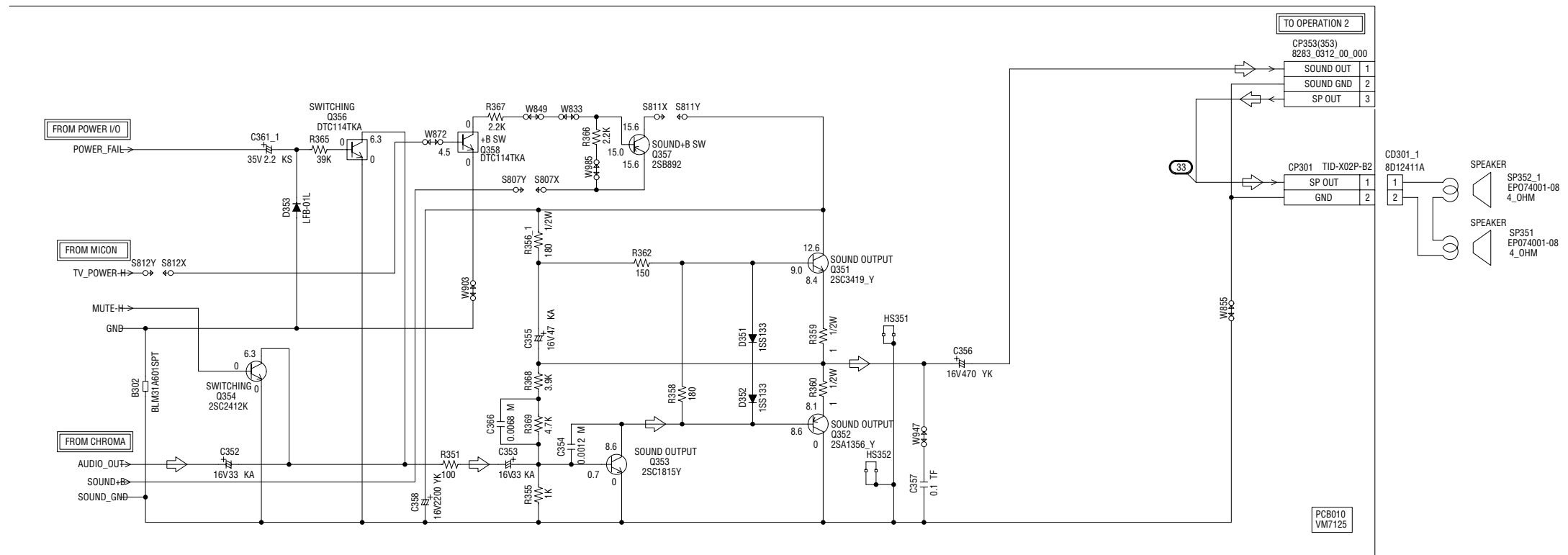
NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

- TUNER VIDEO SIGNAL
- LUMINANCE SIGNAL
- COLOR SIGNAL
- R SIGNAL
- G SIGNAL
- B SIGNAL
- DEFLECTION SIGNAL
- AUDIO SIGNAL

PC8010 VM7125

SOUND AMP SCHEMATIC DIAGRAM

(SYSCON PCB)



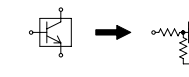
CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

NOTE: THE RESISTOR MARKED F IS FUSE RESISTOR. THE ALUMI ELECTROLYTIC CAPACITOR MARKED NP IS NON POLAR ONE.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

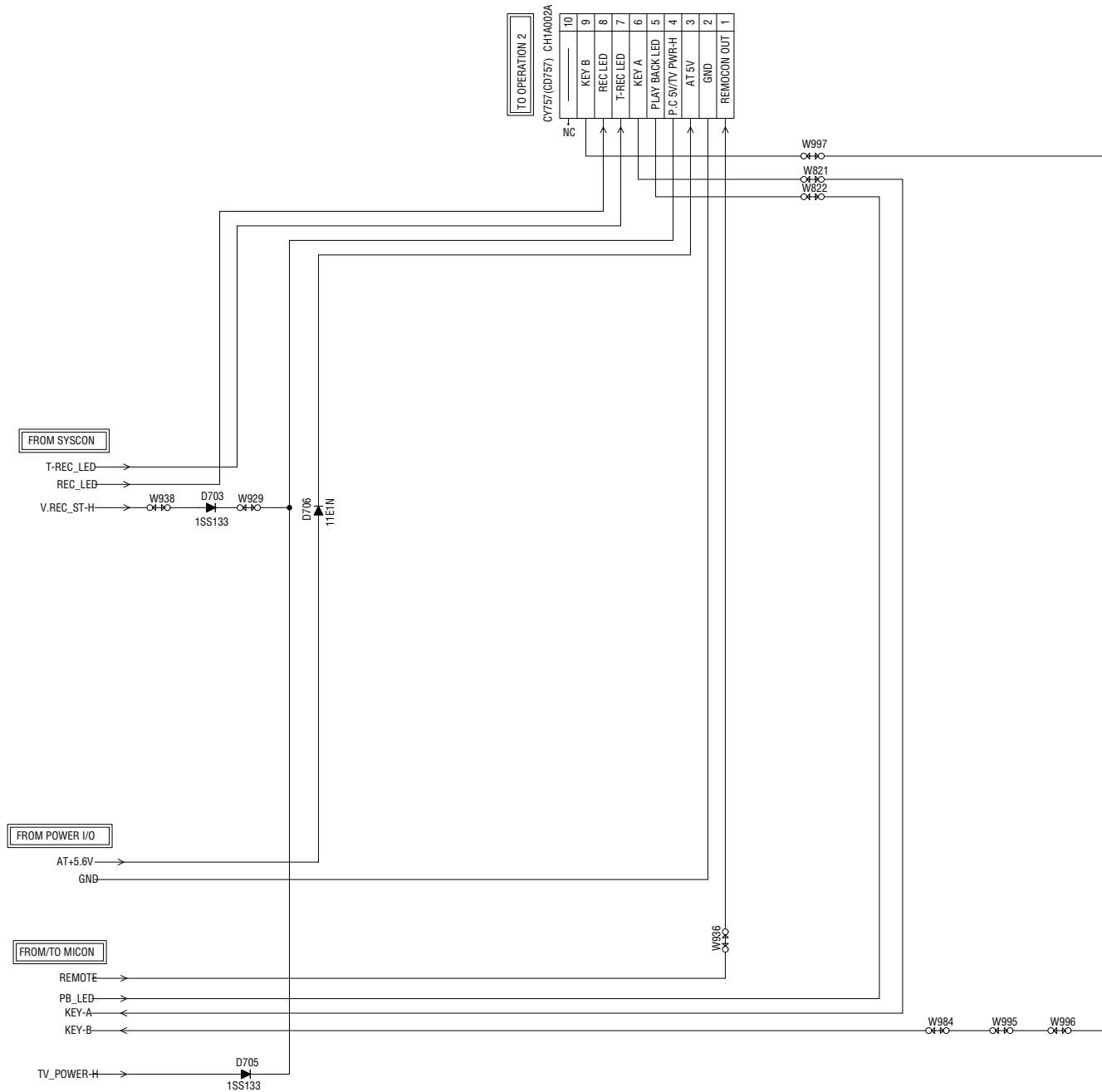
NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

CAUTION: DIGITAL TRANSISTOR



AUDIO SIGNAL

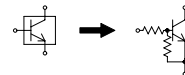
OPERATION 1 SCHEMATIC DIAGRAM (SYSCON PCB)



PCB010
VM7125

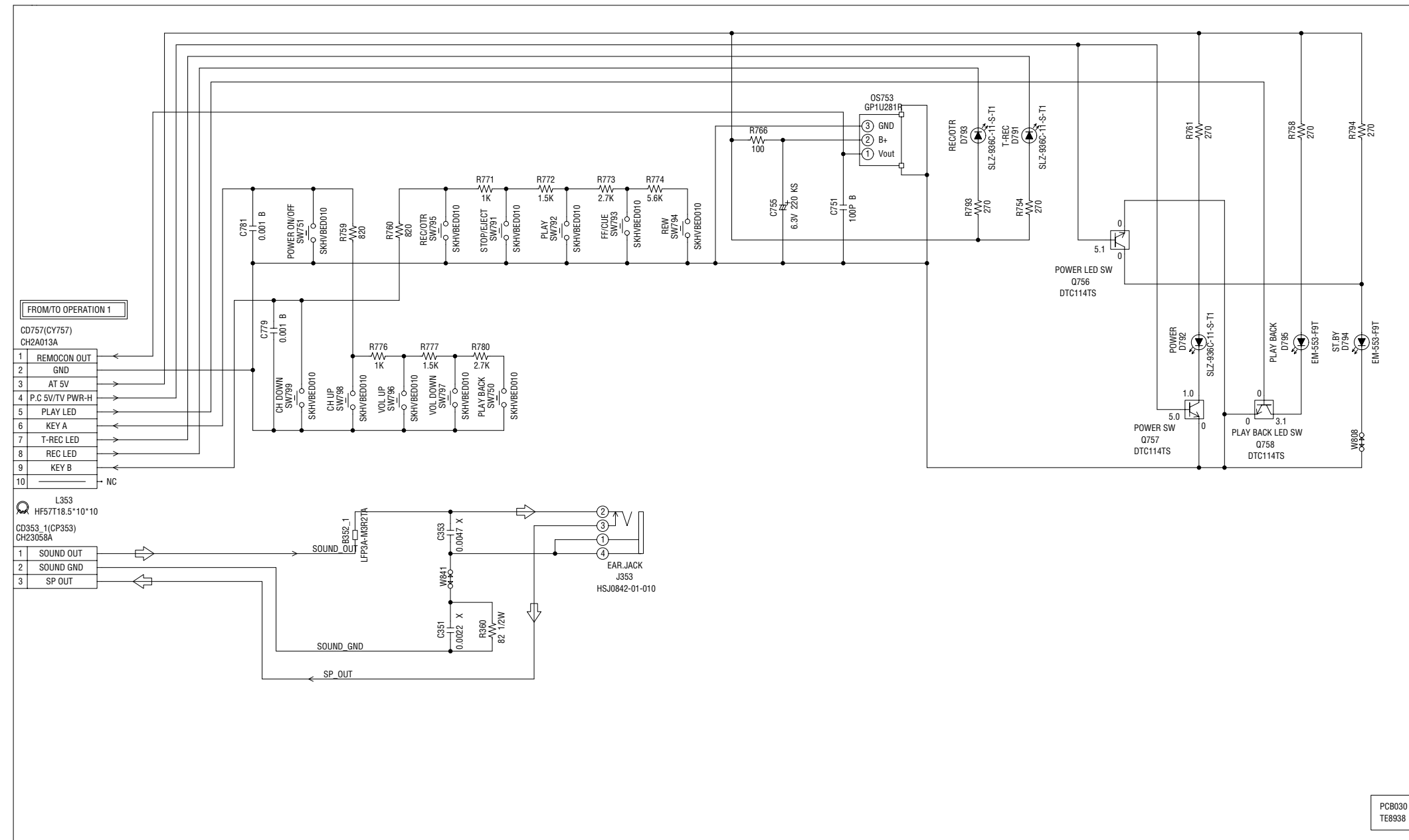
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

CAUTION: DIGITAL TRANSISTOR



OPERATION 2 SCHEMATIC DIAGRAM

(OPERATION PCB)



FROM/TO OPERATION 1

CD757(CY757) CH2A013A	
1	REMOCON OUT
2	GND
3	AT 5V
4	P.C SV/TV PWR-H
5	PLAY LED
6	KEY A
7	T-REC LED
8	REC LED
9	KEY B
10	NC

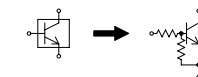
L353 HF57T18.5*10*10	
CD353_1(CP353) CH23058A	
1	SOUND OUT
2	SOUND GND
3	SP OUT

PCB030
TE8938

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

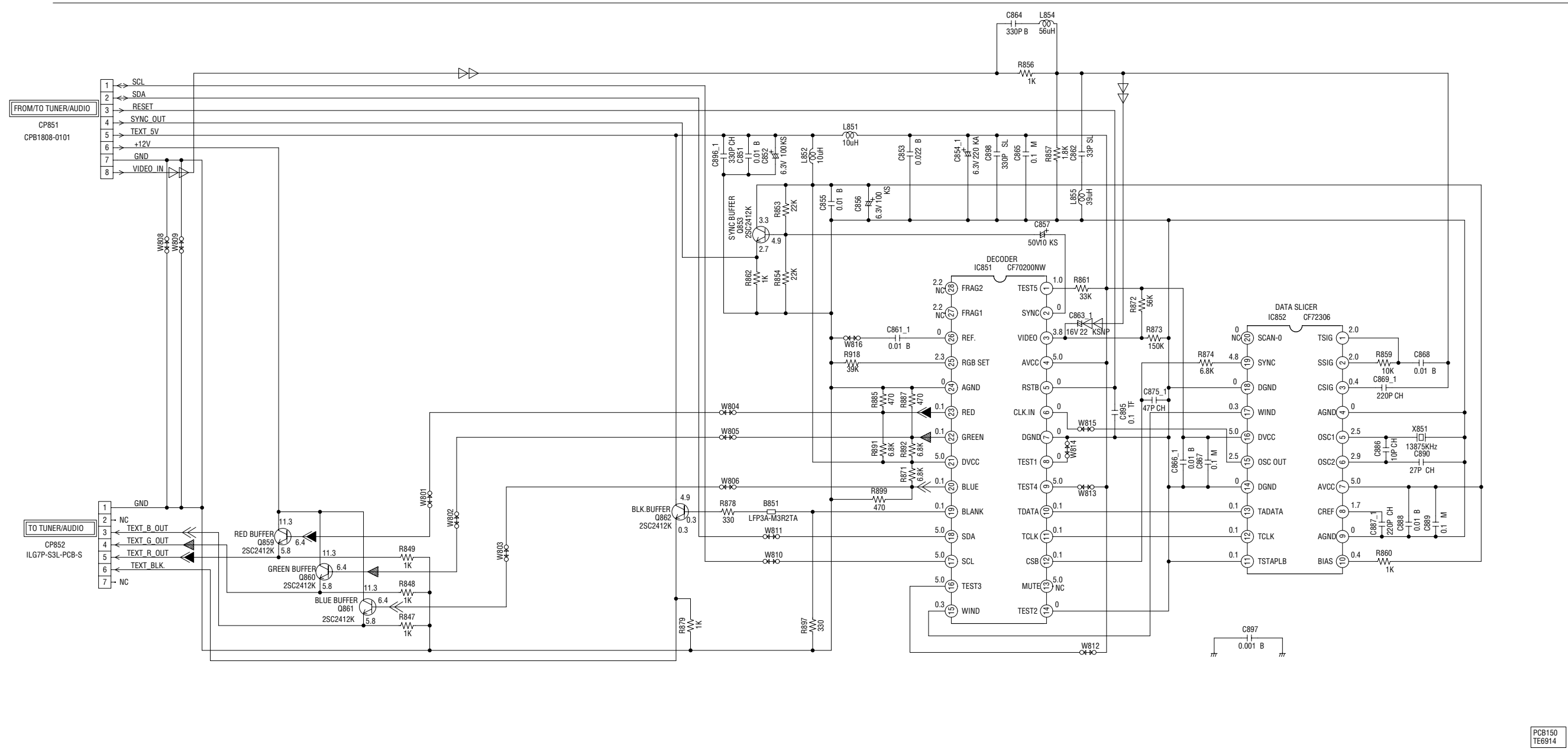
CAUTION: DIGITAL TRANSISTOR



← AUDIO SIGNAL

T'TEXT SCHEMATIC DIAGRAM

(T'TEXT PCB)



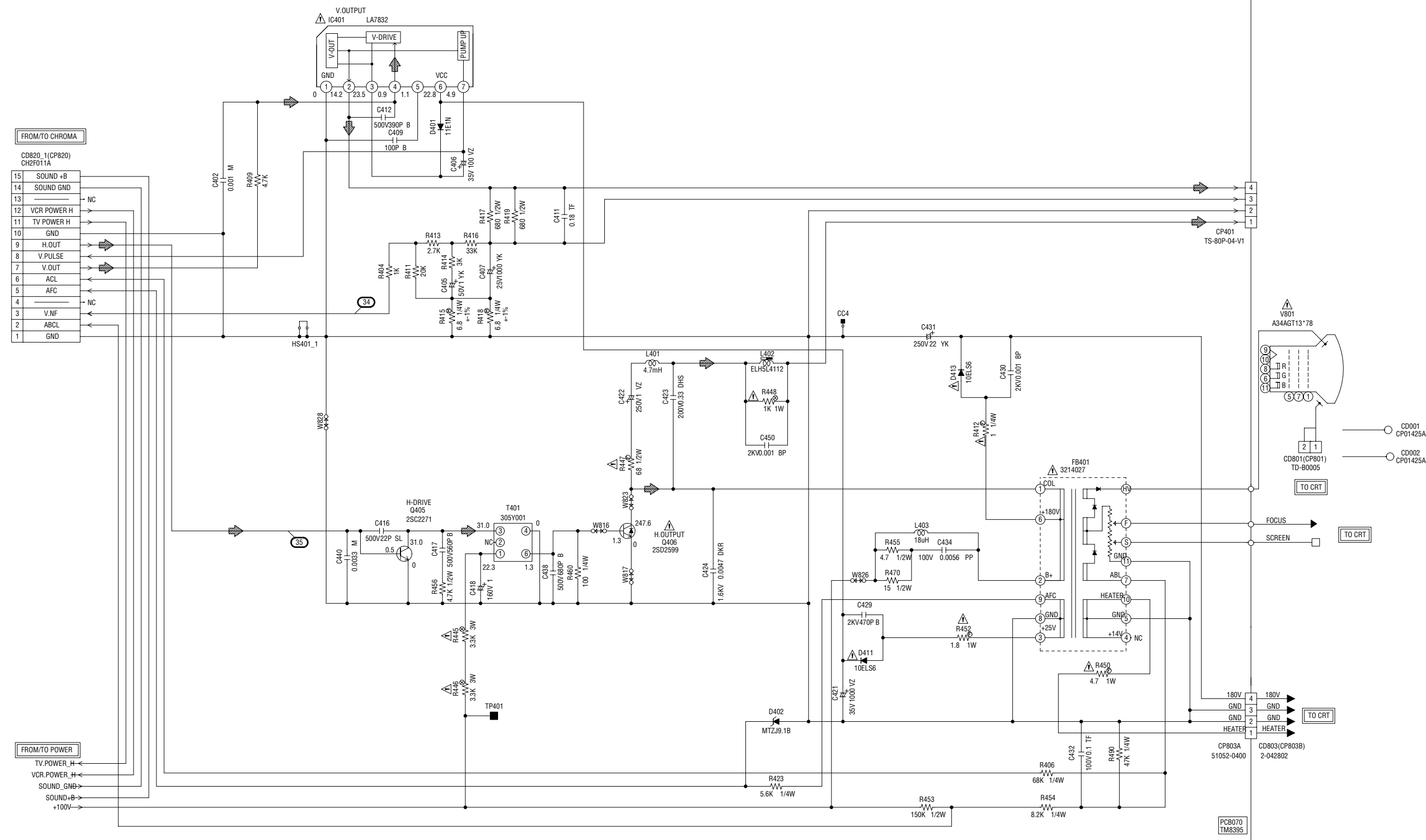
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

NOTE: THE RESISTOR MARKED F IS FUSE RESISTOR. THE ALUMI ELECTROLYTIC CAPACITOR MARKED NP IS NON POLAR ONE.

- R.SIGNAL
- G.SIGNAL
- B.SIGNAL
- TUNER VIDEO SIGNAL

DEFLECTION SCHEMATIC DIAGRAM (MAIN PCB)



NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

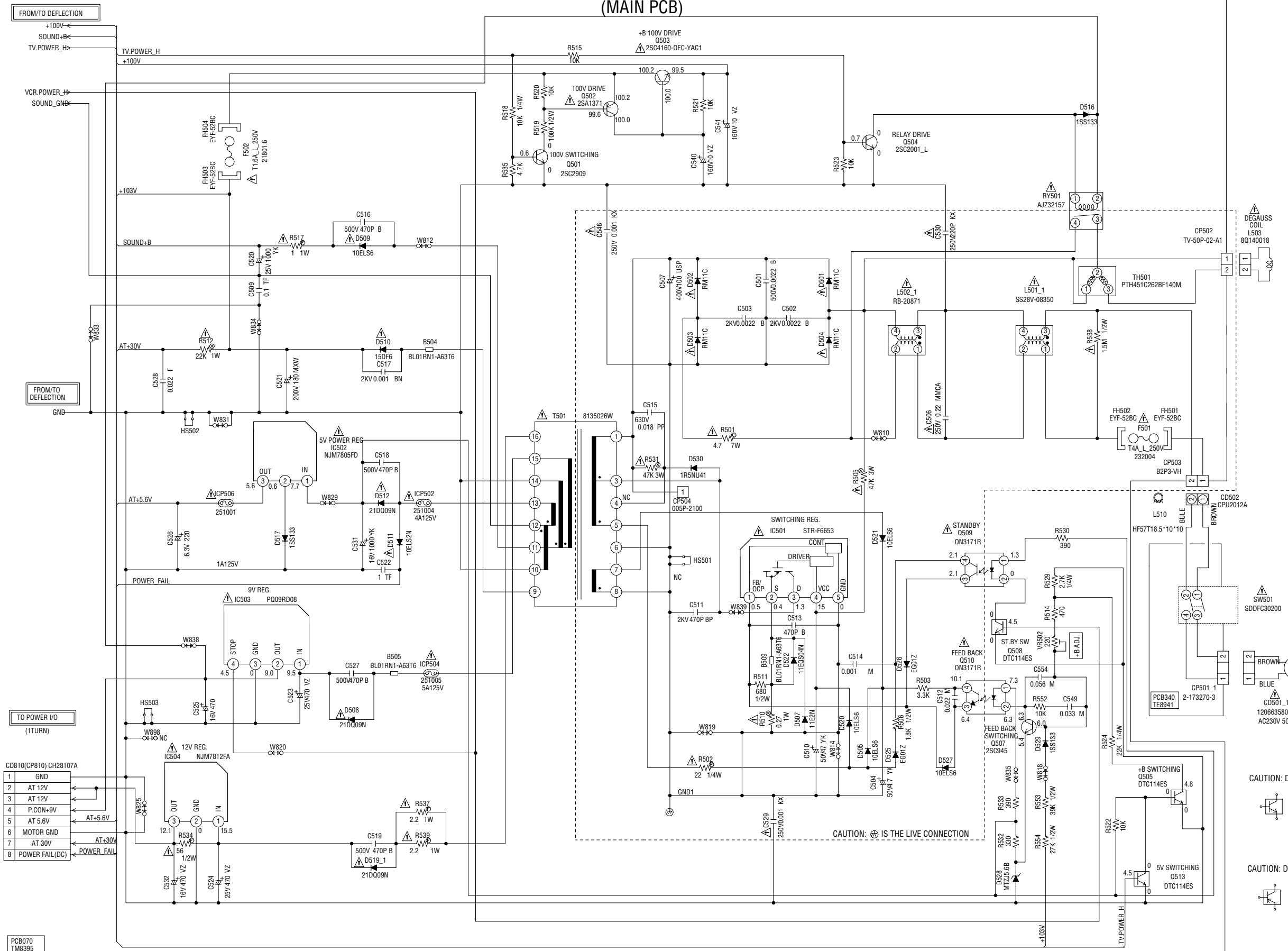
NOTE: THE RESISTOR MARKED F IS FUSE RESISTOR. THE ALUMI ELECTROLYTIC CAPACITOR MARKED NP IS NON POLAR ONE.

CAUTION: SINCE THESE PARTS MARKED BY Δ ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

DEFLECTION SIGNAL

POWER SCHEMATIC DIAGRAM

(MAIN PCB)



NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE RESISTOR MARKED F IS FUSE RESISTOR. THE ALUMI ELECTROLYTIC CAPACITOR MARKED NP IS NON POLAR ONE.

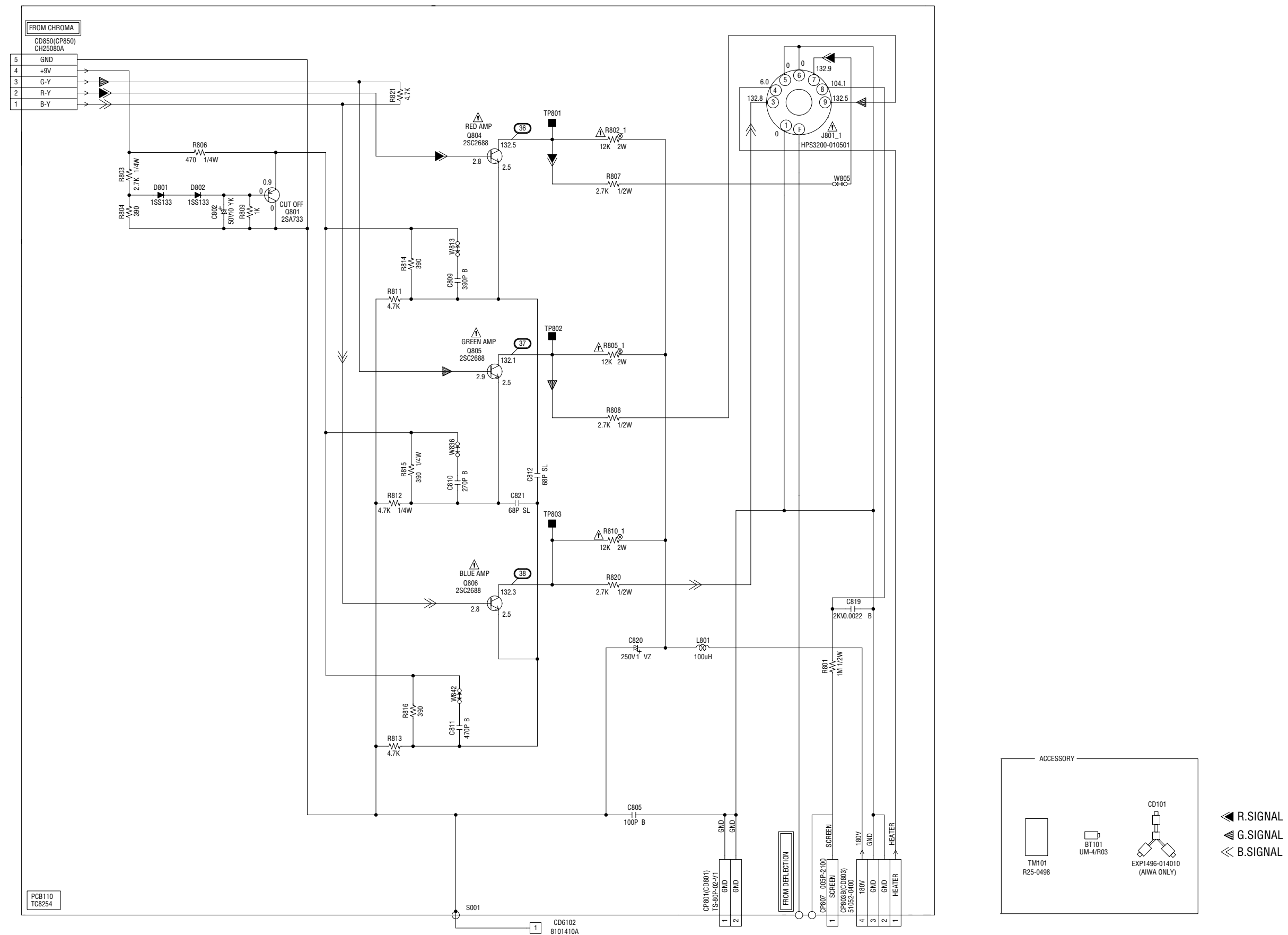
CAUTION: SINCE THESE PARTS MARKED BY Δ ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

CAUTION: DIGITAL TRANSISTOR

CAUTION: DIGITAL TRANSISTOR

CRT SCHEMATIC DIAGRAM

(CRT PCB)

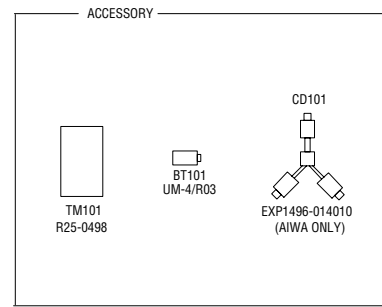


CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

NOTE: THE RESISTOR MARKED F IS FUSE RESISTOR. THE ALUMI ELECTROLYTIC CAPACITOR MARKED NP IS NON POLAR ONE.

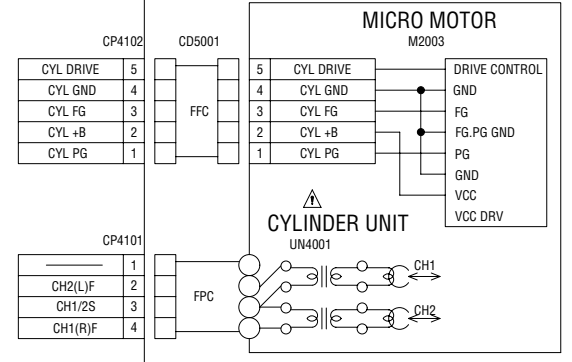
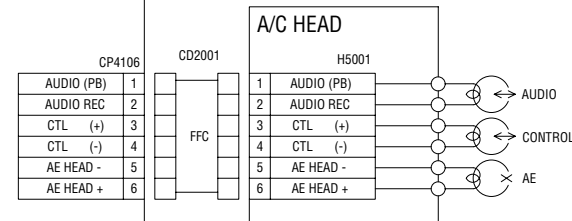
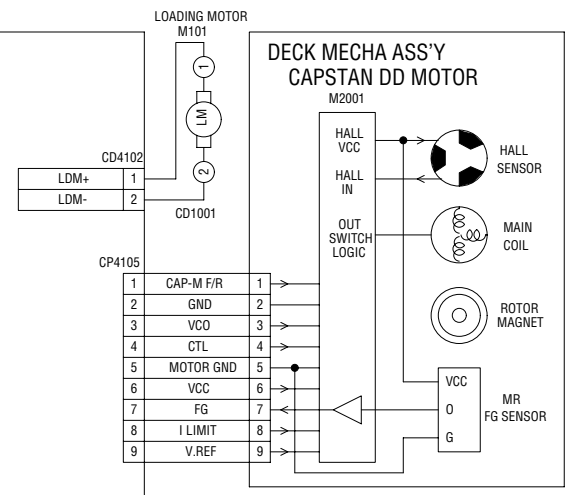
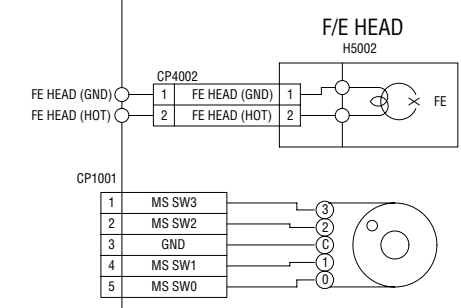
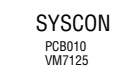
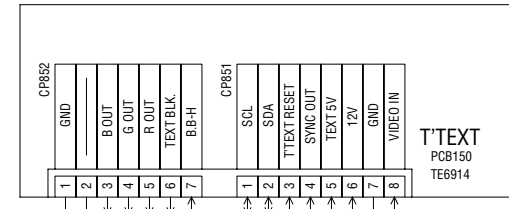
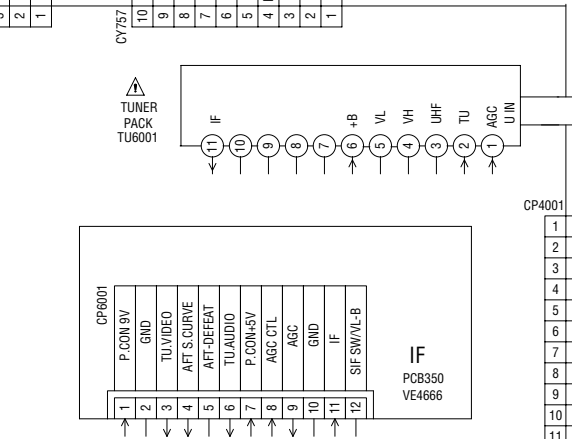
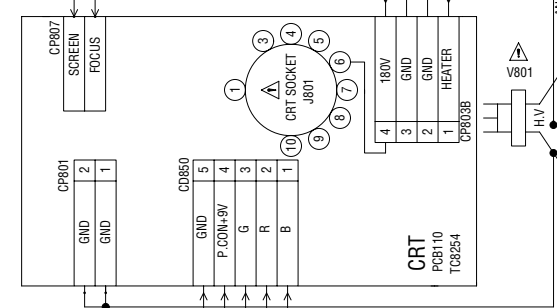
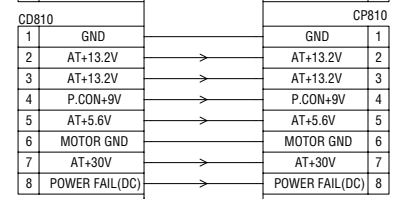
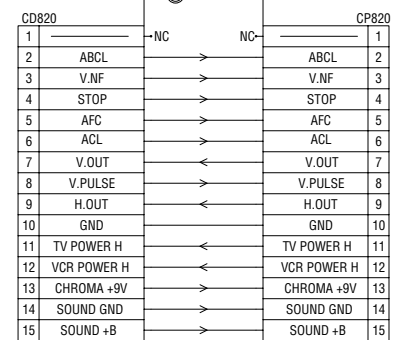
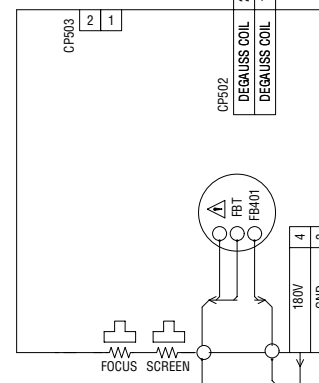
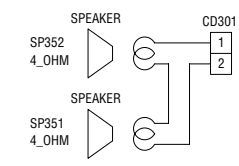
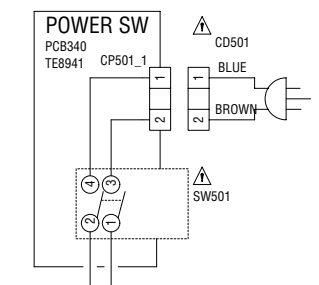
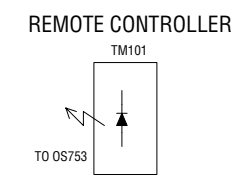
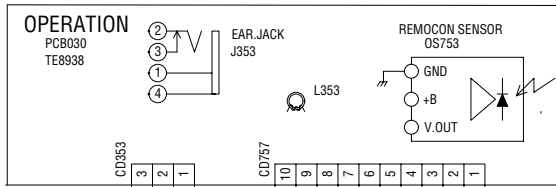
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.



- R.SIGNAL
- G.SIGNAL
- B.SIGNAL

INTERCONNECTION DIAGRAM



V V: THE PICTURE ON SCREEN APPEARS DURING PLAYBACK.

CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

NOTE: THIS INTERCONNECTION DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.