

MAIN I (SYSTEM CONTROL/ SERVO) SCHEMATIC DIAGRAM (A, C)

\*1,\*2 PV-V4621 replacement note:

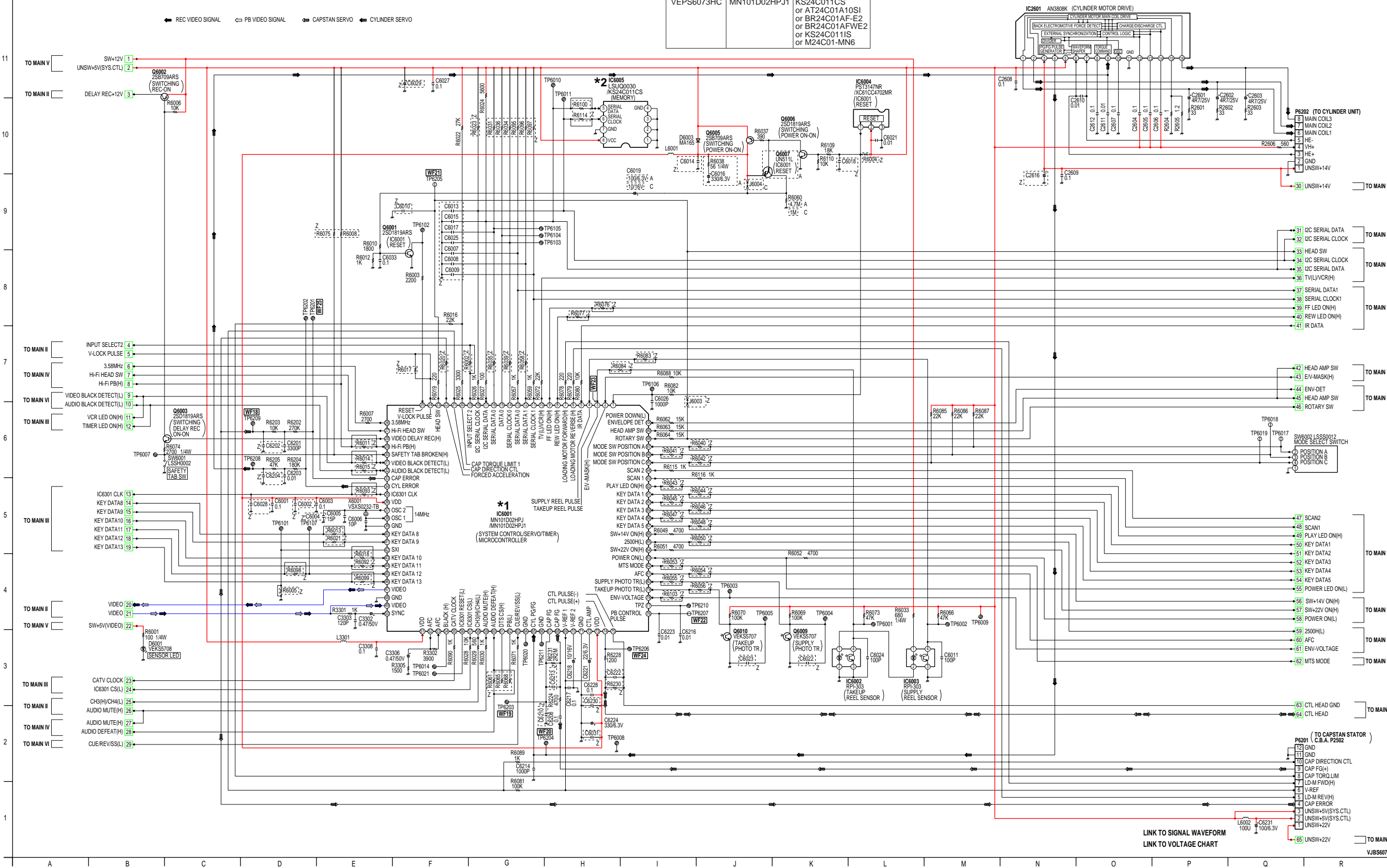
There are 2 types of Main C.B.A. (E10) for PV-V4621.  
VEPS6073HA is used in early products and has been changed to VEPS6073HC on running change basis in later products. When replacing Microcontroller IC (IC6001) or EEP ROM IC (IC6005), be sure to confirm which Main C.B.A. is used for the unit you are servicing.  
The parts used for each Main C.B.A. are as follows.

Main C.B.A. (E10)	Microcontroller IC (IC6001)	EEP ROM IC (IC6005)
VEPS6073HA	MN101D02HPJ	LSUQ0030
VEPS6073HC	MN101D02HPJ1	KS24C011CS or AT24C01A10SI or BR24C01AF-E2 or KS24C011IS or M24C01-MN6

NOTE:  
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,  
REFER TO BEGINNING OF SCHEMATIC SECTION.

COMPARISON CHART  
OF MODELS & MARKS

MODEL	MARK
PV-V4621	A
PV-V4621-K	B
PV-V4661-K	C
Not Used	Z



KEY MATRIX CHART

OUT	SCAN 1	SCAN 2
IN	PIN 93	PIN 94
DATA 8	—	REC
PIN40	—	/TIME
DATA 9	—	REW
PIN 41	—	—
DATA 10	—	FF
PIN 43	—	—
DATA 11	—	CH DOWN
PIN 44	POWER	—
DATA 12	CH UP	VCR/TV
PIN 45	—	—
DATA 13	STOP	PLAY
PIN 46	/EJECT	—

TO MAIN V

31	2C SERIAL DATA
32	2C SERIAL CLOCK
33	HEAD SW
34	2C SERIAL CLOCK
35	2C SERIAL DATA
36	TV(L)/VCR(H)
37	SERIAL DATA1
38	SERIAL CLOCK1
39	FF LED ON(H)
40	REW LED ON(H)
41	IR DATA

TO MAIN VI

42	HEAD AMP SW
43	ENV-MASK(H)
44	ENV-DET
45	HEAD AMP SW
46	ROTARY SW

TO MAIN III

47	SCAN2
48	SCAN1
49	PLAY LED ON(H)
50	KEY DATA1
51	KEY DATA2
52	KEY DATA3
53	KEY DATA4
54	KEY DATA5
55	POWER LED ON(L)
56	SW+14V ON(H)
57	SW+22V ON(H)
58	POWER ON(L)

TO MAIN V

59	2500H(L)
60	AFC
61	ENV-VOLTAGE
62	MTS MODE

TO MAIN II

63	CTL HEAD GND
64	CTL HEAD

LINK TO SIGNAL WAVEFORM  
LINK TO VOLTAGE CHART

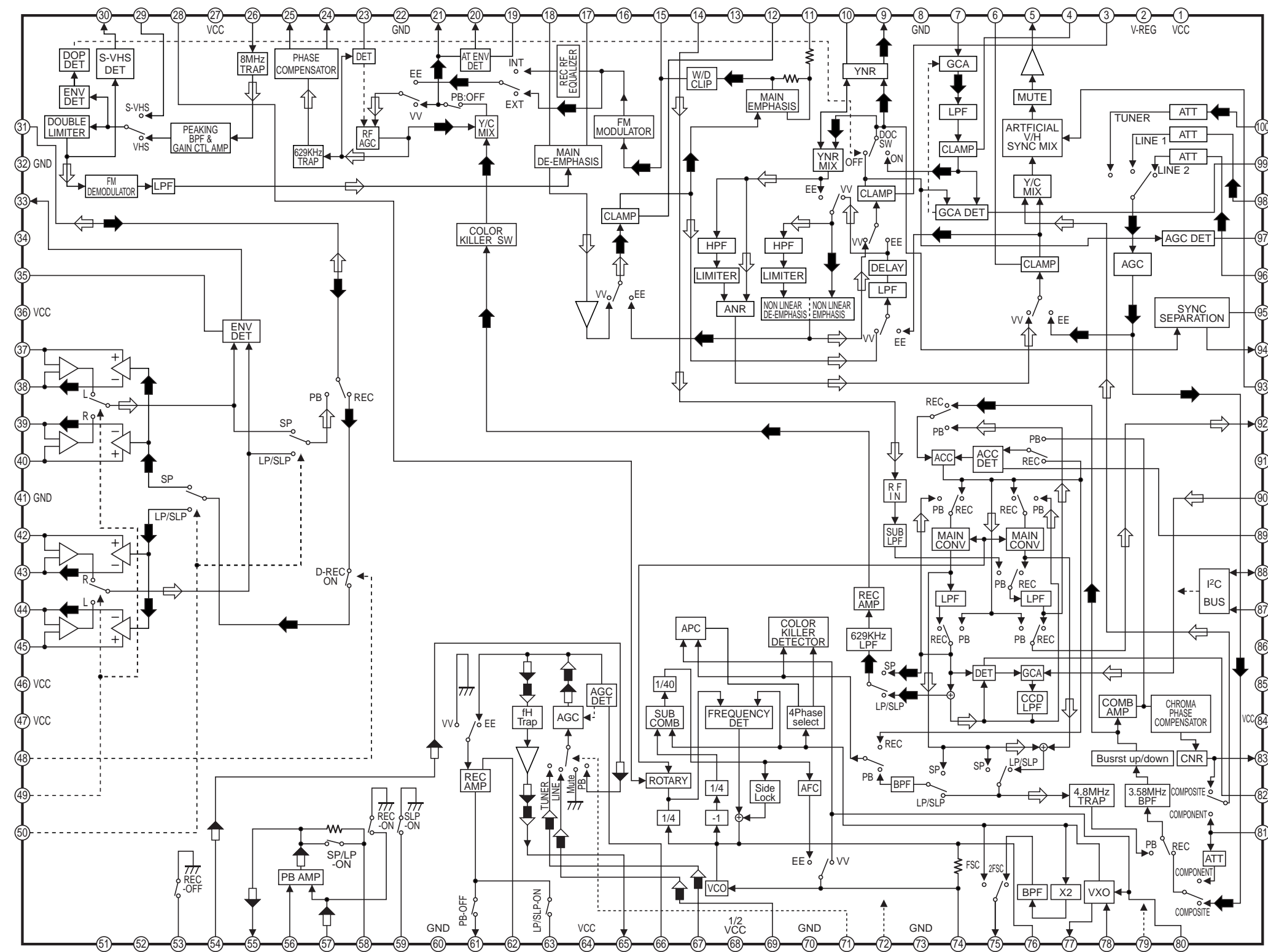
VJBS6073

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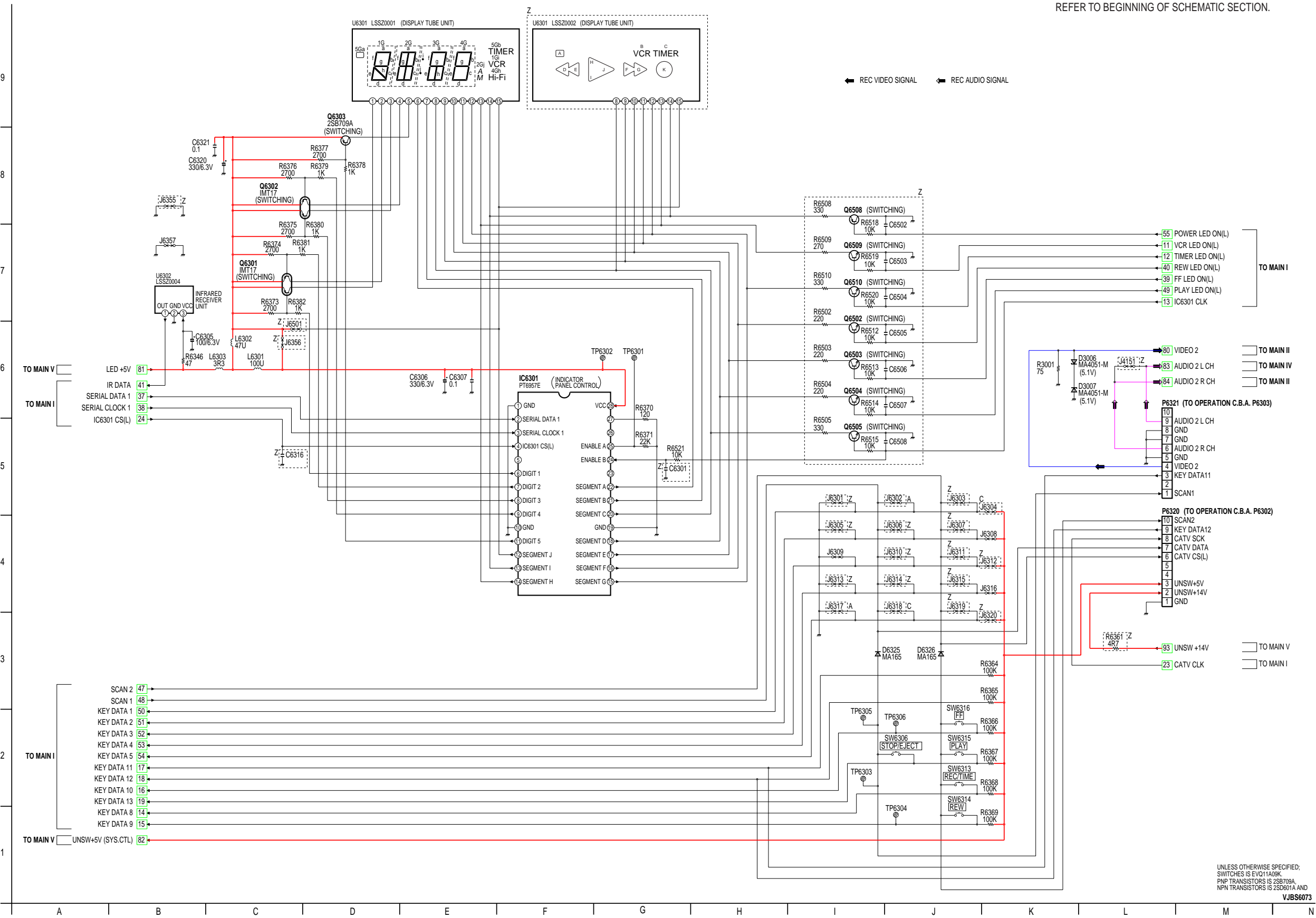
IC3001 VIDEO/AUDIO SIGNAL PROCESS / HEAD AMP IC- DETAIL BLOCK DIAGRAM, MN13400A



MAIN III (OPERATION) SCHEMATIC DIAGRAM (A, C)

NOTE:  
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,  
REFER TO BEGINNING OF SCHEMATIC SECTION.

COMPARISON CHART OF MODELS & MARKS	
MODEL	MARK
PV-V4621	A
PV-V4621-K	B
PV-V4661-K	C
Not Used	Z

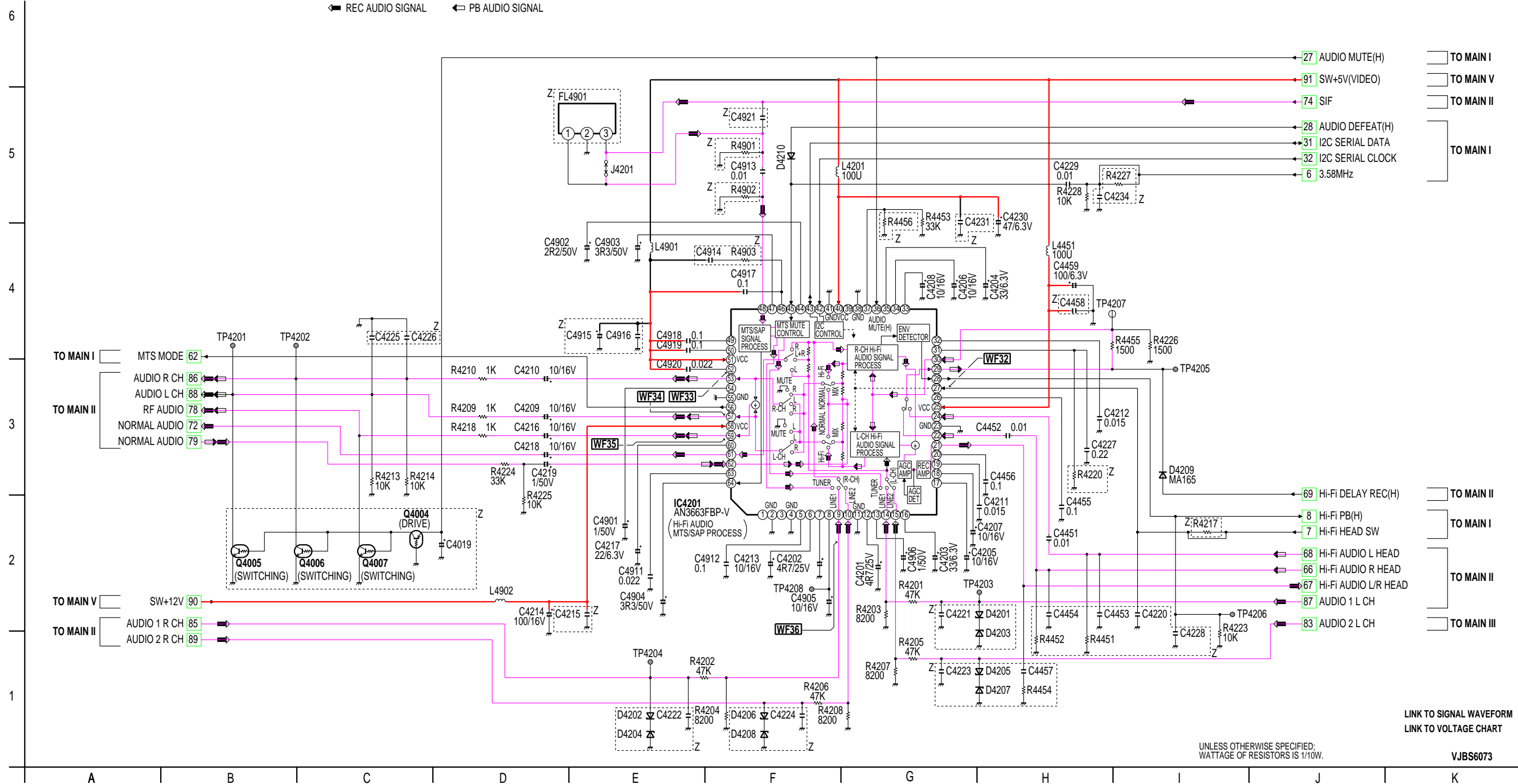


UNLESS OTHERWISE SPECIFIED;  
SWITCHES IS EVO11A09K.  
PNP TRANSISTORS IS 2SB709A,  
NPN TRANSISTORS IS 2SD601A AND  
VJBS6073

A vertical axis with tick marks and labels 1, 2, 3, 4, 5, 6.

UNLESS OTHERWISE SPECIFIED;  
WATTAGE OF RESISTORS IS 1/10W.

[LINK TO SIGNAL WAVEFORM](#)  
[LINK TO VOLTAGE CHART](#)






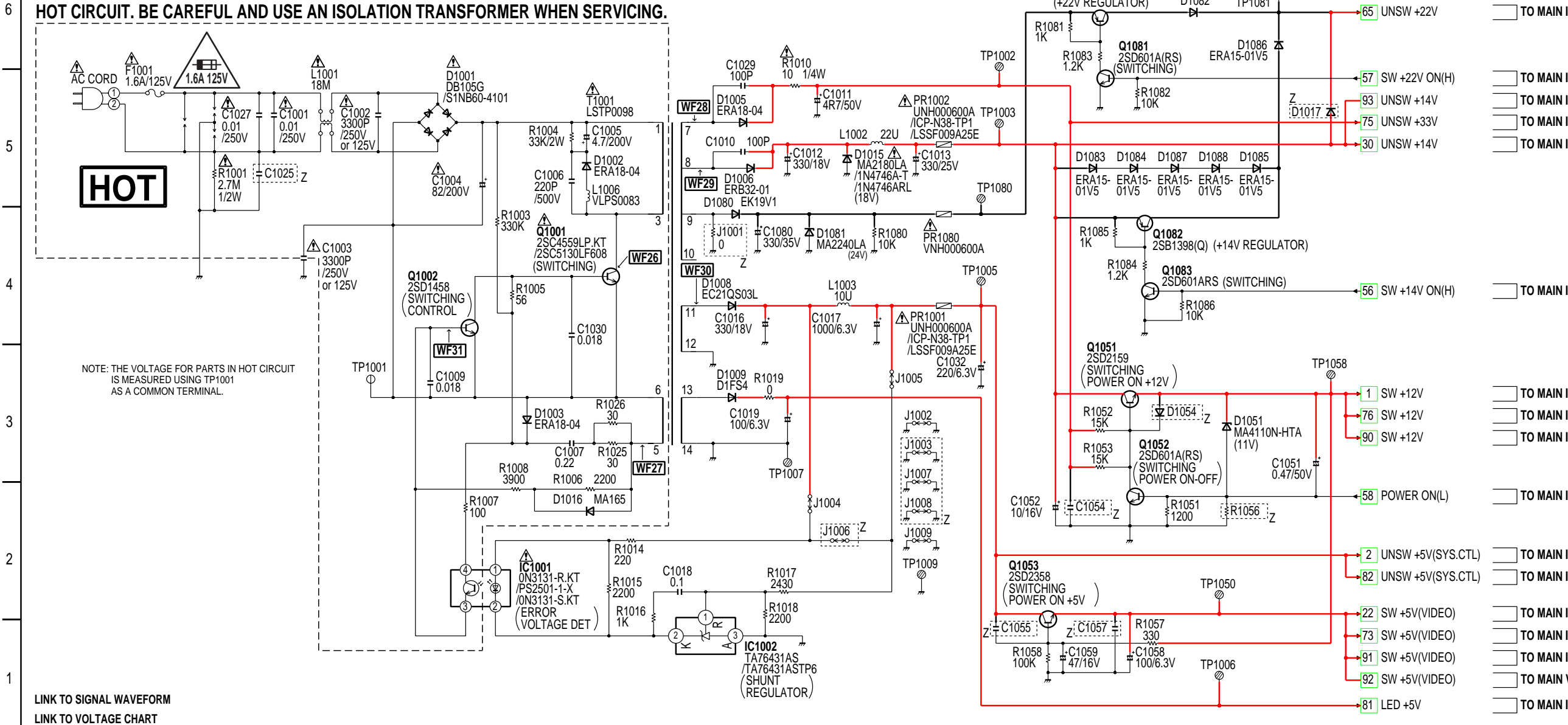
## MAIN V (POWER SUPPLY) SCHEMATIC DIAGRAM (A, C)

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES  
REFER TO BEGINNING OF SCHEMATIC SECTION.

MODEL	MARK
PV-V4621	A
PV-V4621-K	B
PV-V4661-K	C
Not Used	Z



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



**VJBS6073**

### MAIN VI (ADVANCE) SCHEMATIC DIAGRAM (A, C)

NOTE:  
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,  
REFER TO BEGINNING OF SCHEMATIC SECTION.

MODEL	MARK
PV-V4621	A
PV-V4621-K	B
PV-V4661-K	C
Not Used	Z

