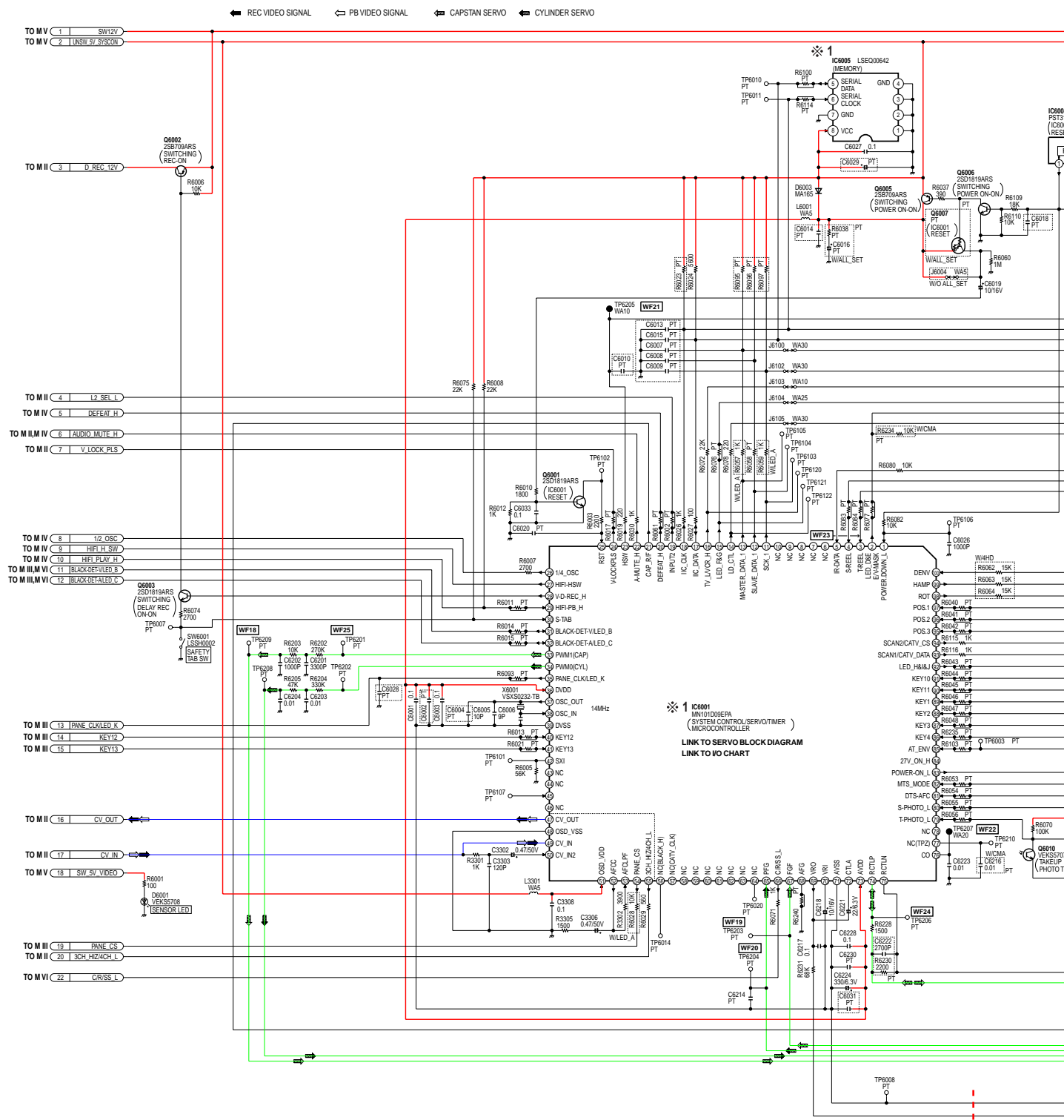


7.2. MAIN SCHEMATIC DIAGRAMS

MAIN I (SYSTEM CONTROL/ SERVO) SCHEMATIC DIAGRAM



NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

KEY VOLTAGE CHART (SW6303, 6304, 6305, 6310, 6311, 6314, 6315, 6317)

TERMINAL VOLTAGE	0V ~ 0.6V	0.7V ~ 1.9V	2.0V ~ 3.1V	3.2V ~ 4.4V
KEY DATA1 (PIN 89)	-----	REW	FF	-----
KEY DATA2 (PIN 88)	-----	STOP/EJECT	PLAY	-----
KEY DATA3 (PIN 87)	CH DOWN	-----	-----	-----
KEY DATA4 (PIN 86)	REC	CH UP	-----	POWER

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

❖ 1 Microcontroller IC (IC6001) and EEPROM IC (IC6005) replacement note:
In early units, MN101D06FPK is used for Microcontroller IC (IC6001).
In later units, MN101D09EPA is used for Microcontroller IC (IC6001).
Please note that only MN101D09EPA is supplied as a replacement part and this can be used with both types of EEPROM IC (IC6005).
When replacing EEPROM IC (IC6005), be sure to confirm which type of Microcontroller IC (IC6001) is used on the unit you are servicing and install the proper part for EEPROM IC (IC6005).

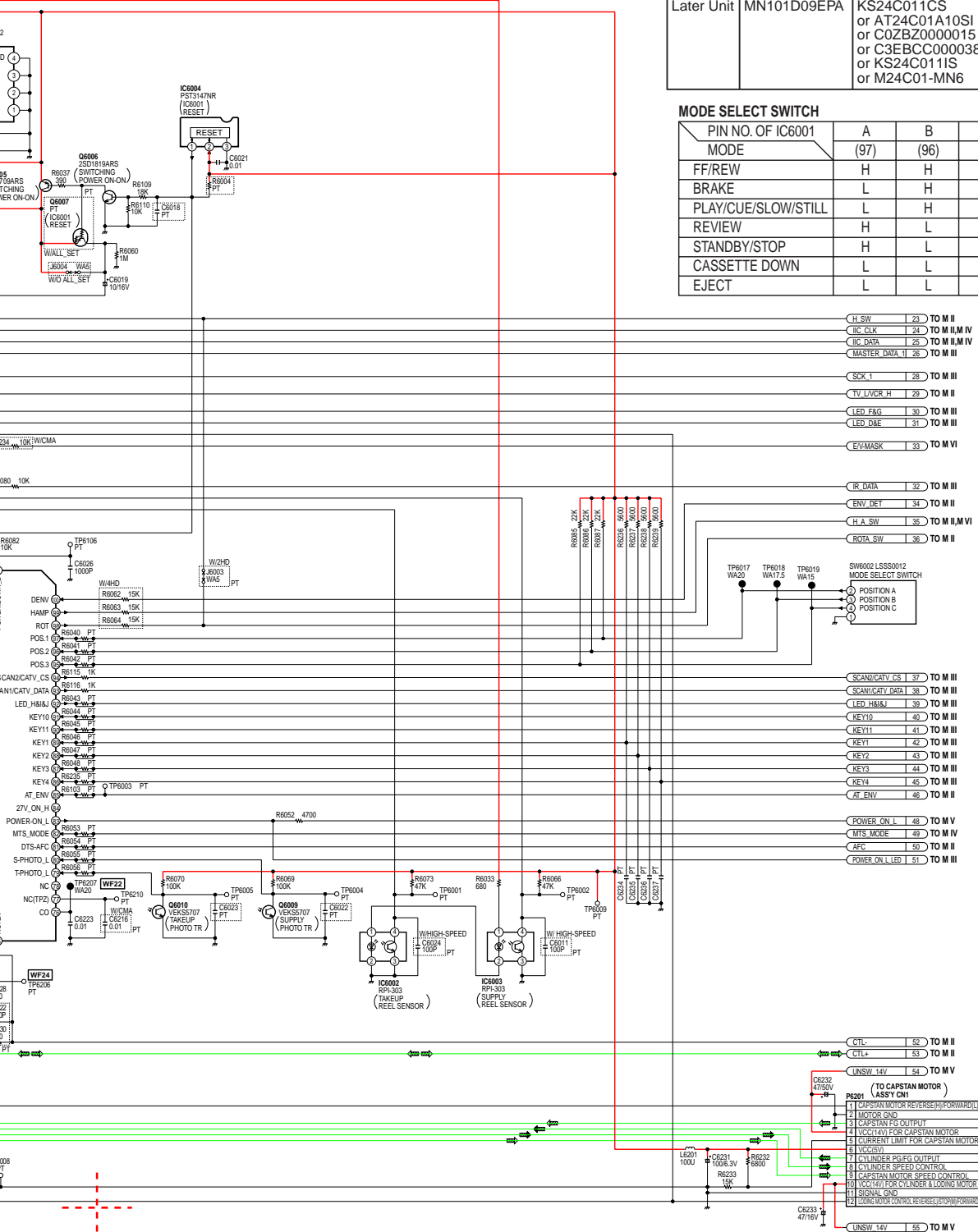
	Microcontroller IC (IC6001)	EEPROM IC (IC6005)
Early Unit	MN101D06FPK	LSE00642
Later Unit	MN101D09EPA	KS24C011CS or AT24C01A10SI or C02BZ0000015 or C3EBC000038 or KS24C011S or M24C01-MN6

COMPARISON CHART
OF MODELS & MARKS

MODEL	MARK
NV-SJ4230PN	A
NV-FJ6230PN	B
Not used	PT

MODE SELECT SWITCH

PIN NO. OF IC6001	A	B	C
MODE	(97)	(96)	(95)
FF/REW	H	H	L
BRAKE	L	H	H
PLAY/CUE/SLOW/STILL	L	H	L
REVIEW	H	L	L
STANDBY/STOP	H	L	H
CASSETTE DOWN	L	L	H
EJECT	L	L	L

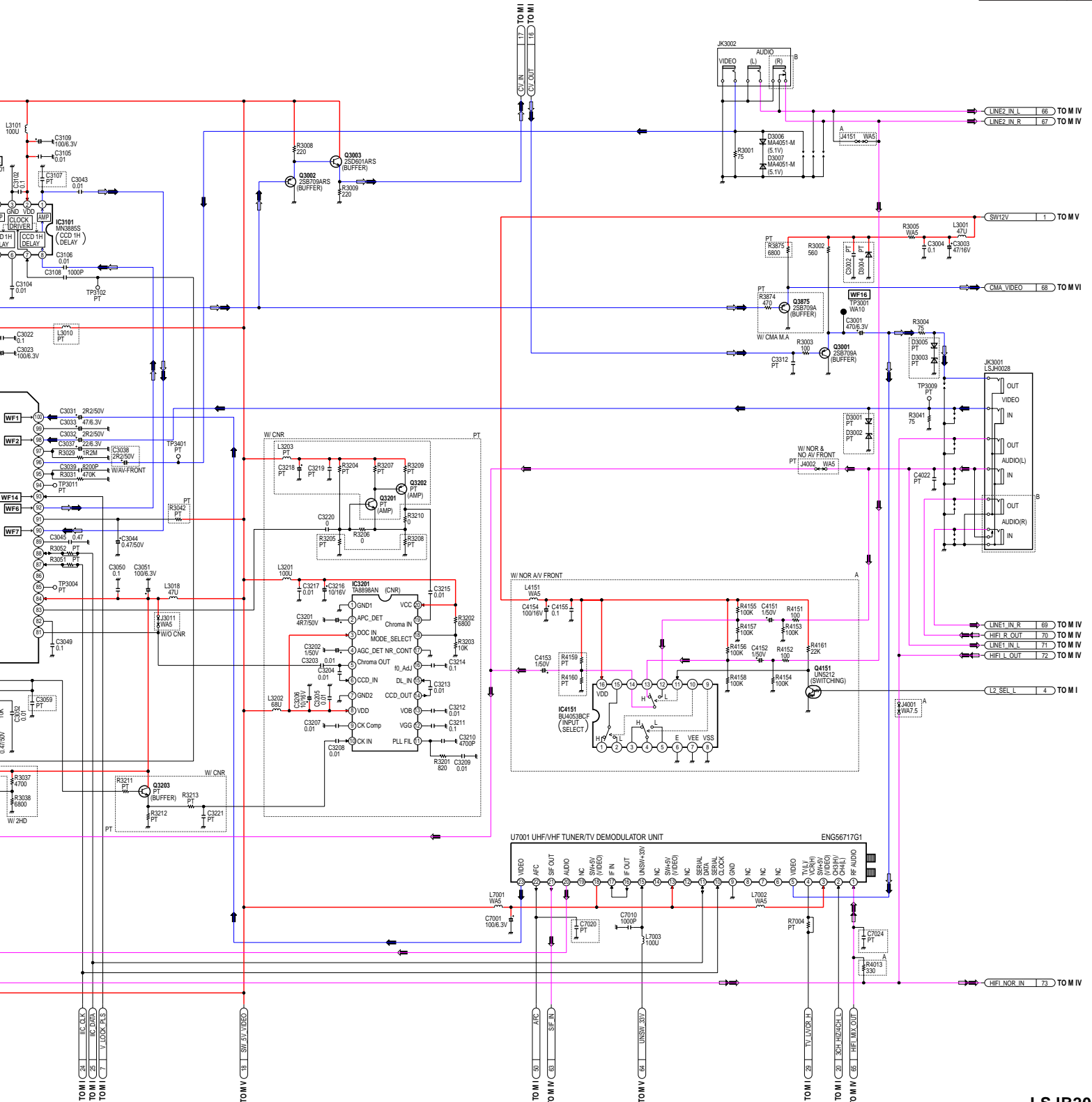




NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

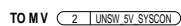
NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

COMPARISON CHART OF MODELS & MARKS	
MODEL	MARK
NV-SJ4230PN	A
NV-FJ6230PN	B
Not used	PT



LSJB2051
NV-SJ4230PN, NV-FJ6230PN
MAIN II (SIGNAL PROCESS/AUDIO) SCHEMATIC DIAGRAM

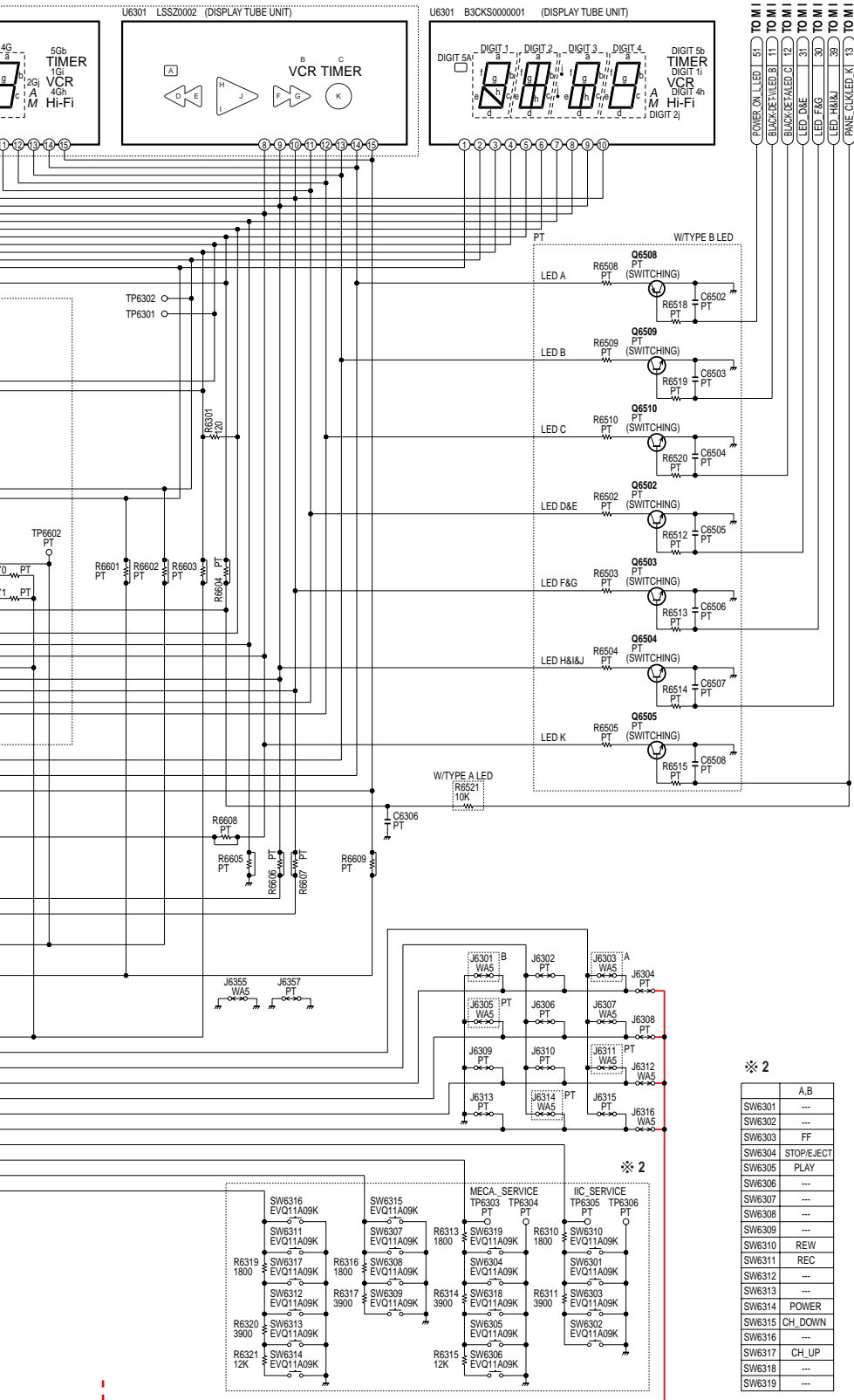
46



NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

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

COMPARISON CHART OF MODELS & MARKS	
MODEL	MARK
NV-SJ4230PN	A
NV-FJ6230PN	B
Not used	PT



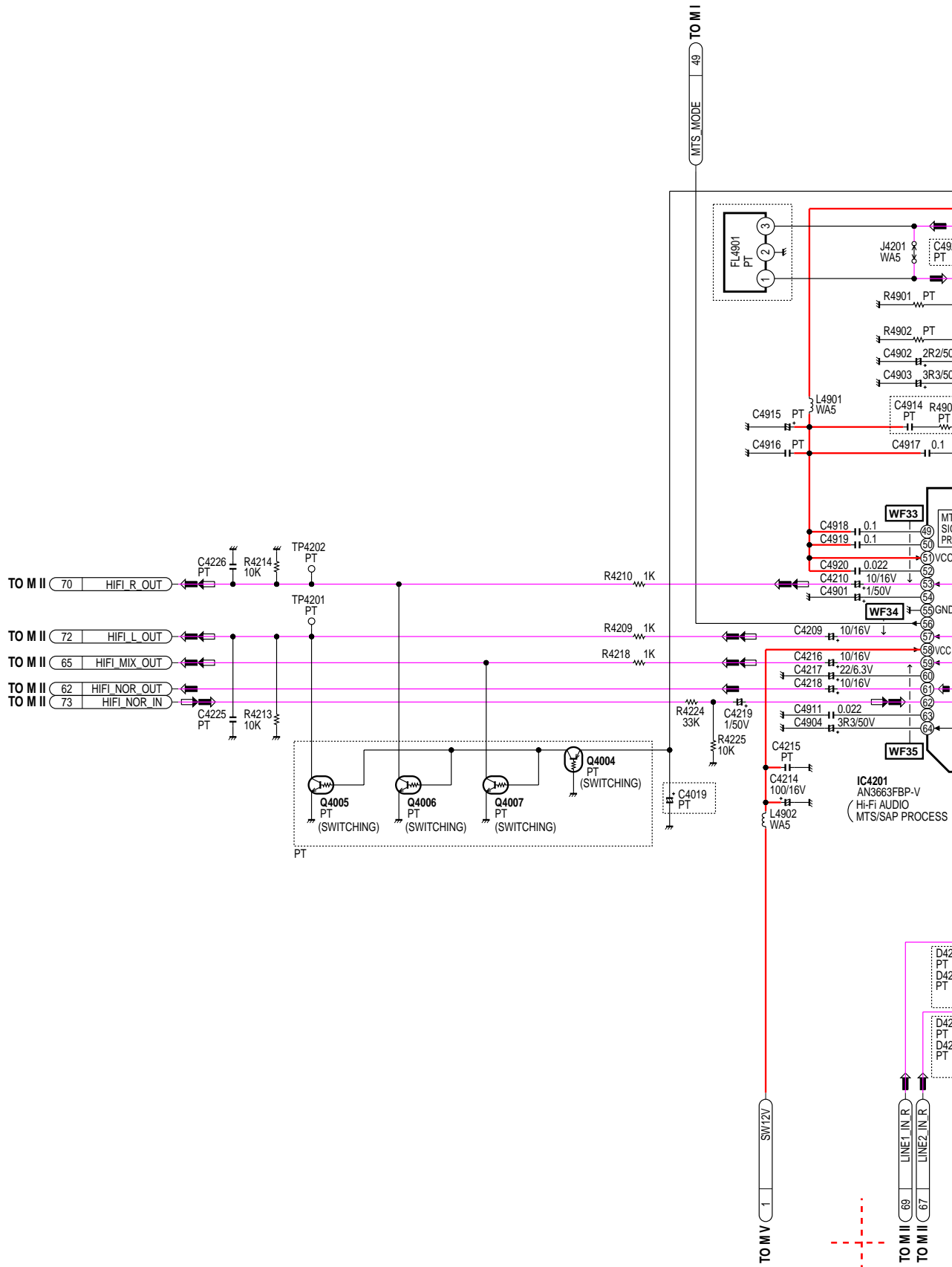
※ 2

	A,B
SW6301	---
SW6302	---
SW6303	FF
SW6304	STOPEJECT
SW6305	PLAY
SW6306	---
SW6307	---
SW6308	---
SW6309	---
SW6310	REW
SW6311	REC
SW6312	---
SW6313	---
SW6314	POWER
SW6315	CH_DOWN
SW6316	---
SW6317	CH_UP
SW6318	---
SW6319	---

LSJB2051
NV-SJ4230PN, NV-FJ6230PN
MAIN III (OPERATION) SCHEMATIC DIAGRAM

MAIN IV (Hi-Fi) SCHEMATIC DIAGRAM (B)

◀ REC AUDIO SIGNAL ◀ PB AUDIO SIGNAL

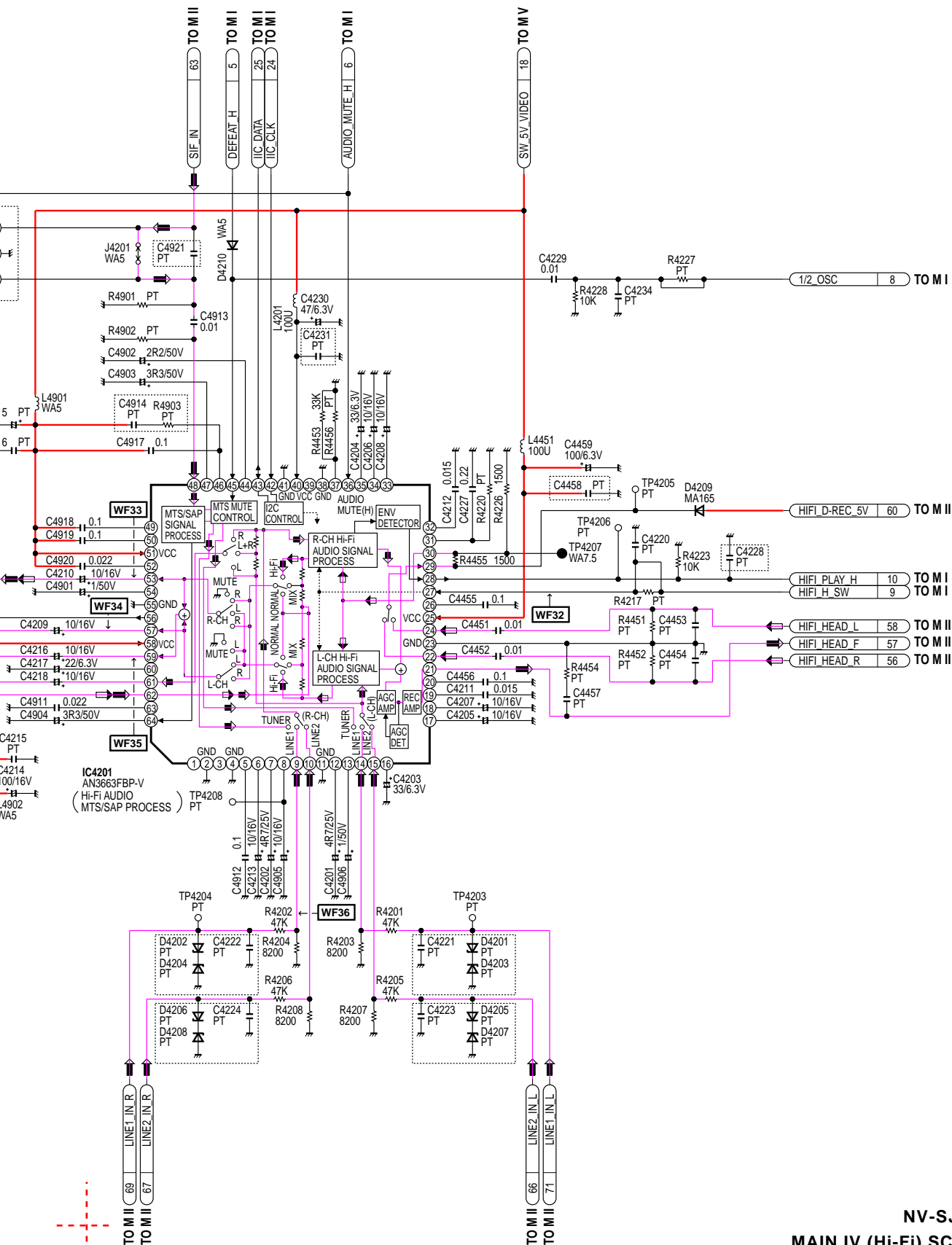


NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

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

COMPARISON CHART
OF MODELS & MARKS

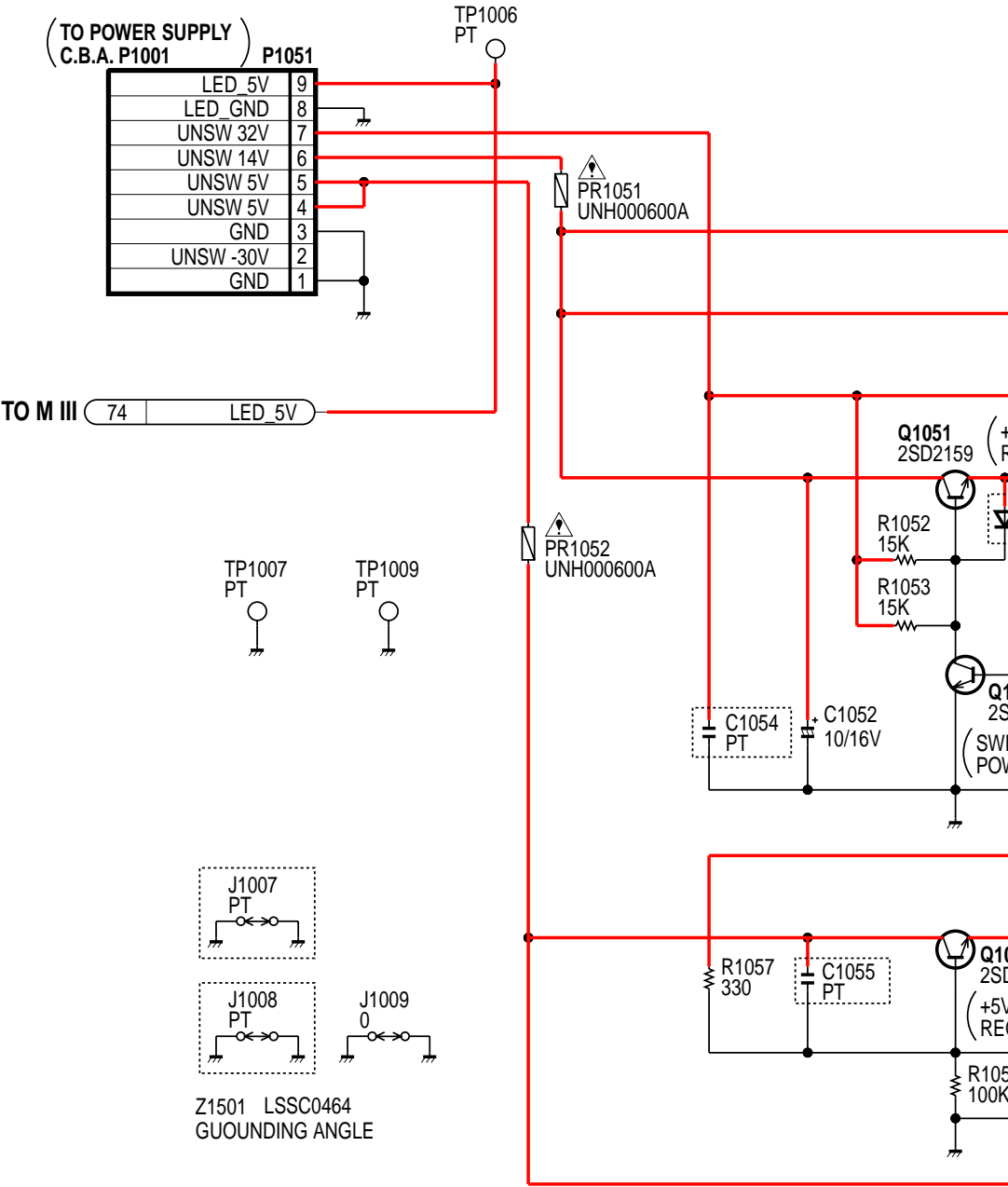
MODEL	MARK
NV-SJ4230PN	A
NV-FJ6230PN	B
Not used	PT



LSJB2051
NV-SJ4230PN, NV-FJ6230PN
MAIN IV (Hi-Fi) SCHEMATIC DIAGRAM (B)

MAIN V (POWER SUPPLY) SCHEMATIC DIAGRAM

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

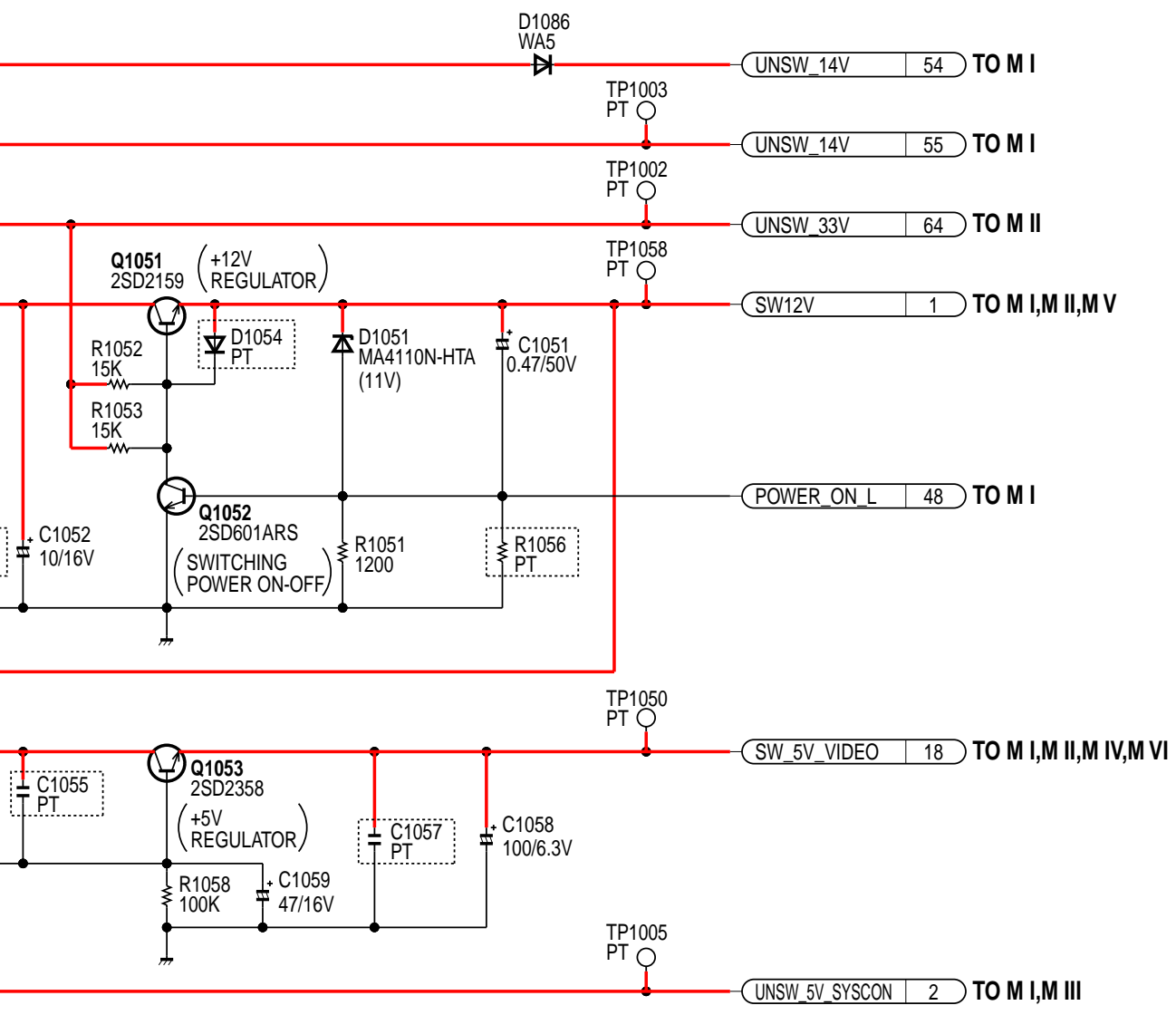


SAFETY NOTICE:
IDENTIFIED BY THE SIGN ⚠ HAVE
CHARACTERISTICS IMPORTANT FOR SAFETY.
CHECK ANY OF THESE COMPONENTS,
SPECIFIED PARTS.

NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

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

COMPARISON CHART OF MODELS & MARKS	
MODEL	MARK
NV-SJ4230PN	A
NV-FJ6230PN	B
Not used	PT



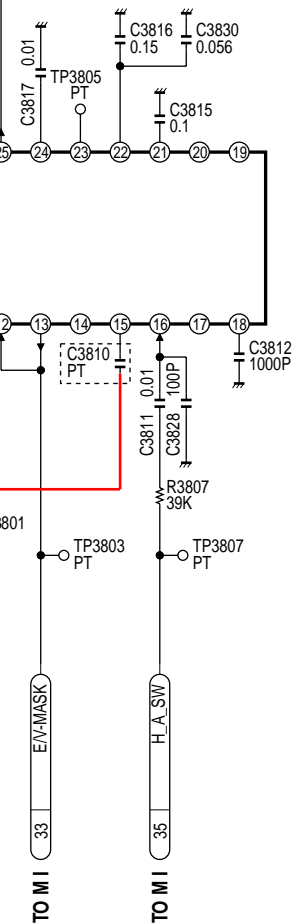
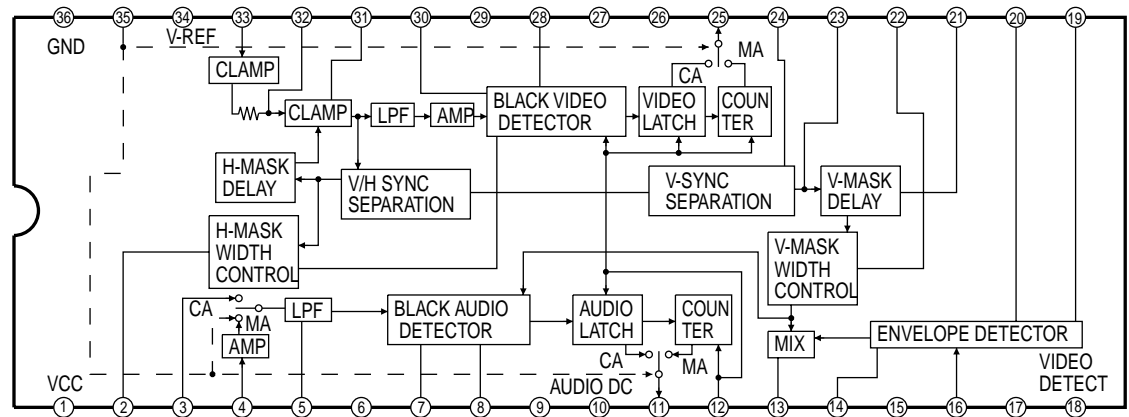


NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

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

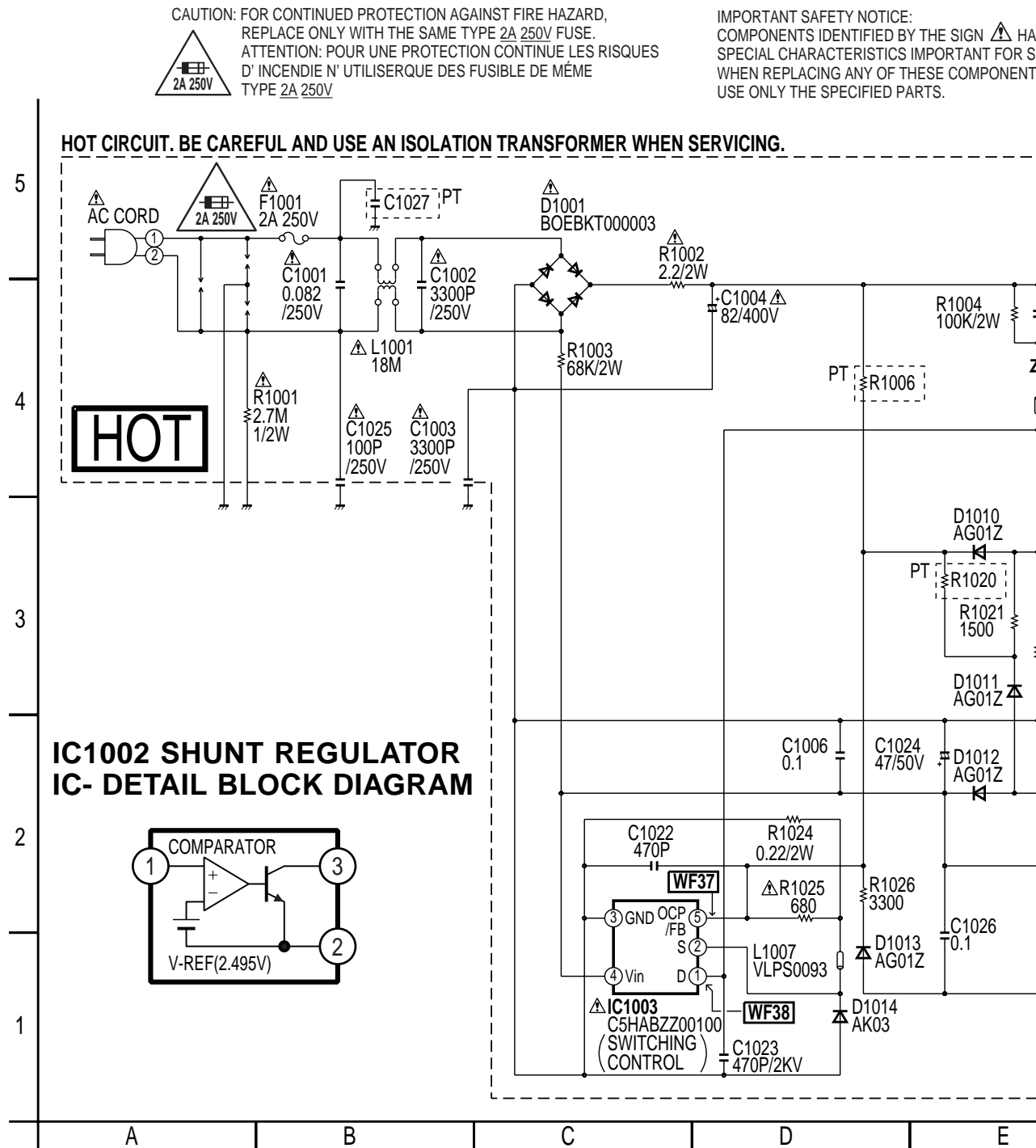
COMPARISON CHART OF MODELS & MARKS	
MODEL	MARK
NV-SJ4230PN	A
NV-FJ6230PN	B
Not used	PT

IC3801 COMMERCIAL ADVANCE PROCESS IC- DETAIL BLOCK DIAGRAM



7.3. POWER SUPPLY BLOCK DIAGRAM

POWER SUPPLY SCHEMATIC DIAGRAM



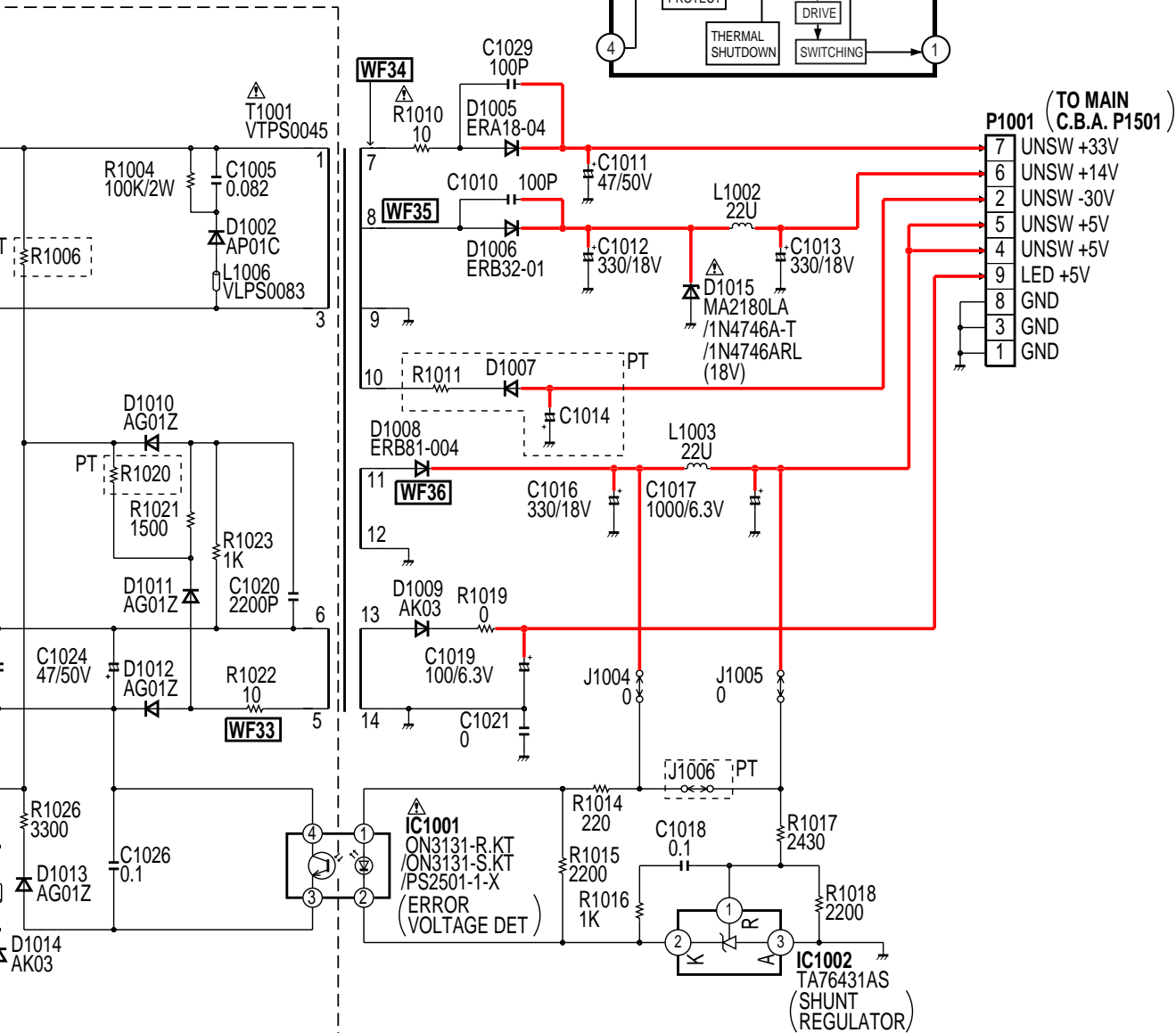
NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

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

COMPARISON CHART OF MODELS & MARKS	
MODEL	MARK
NV-SJ4230PN	A
NV-FJ6230PN	B
Not used	PT

IC1003 SWITCHING CONTROL IC- DETAIL BLOCK DIAGRAM

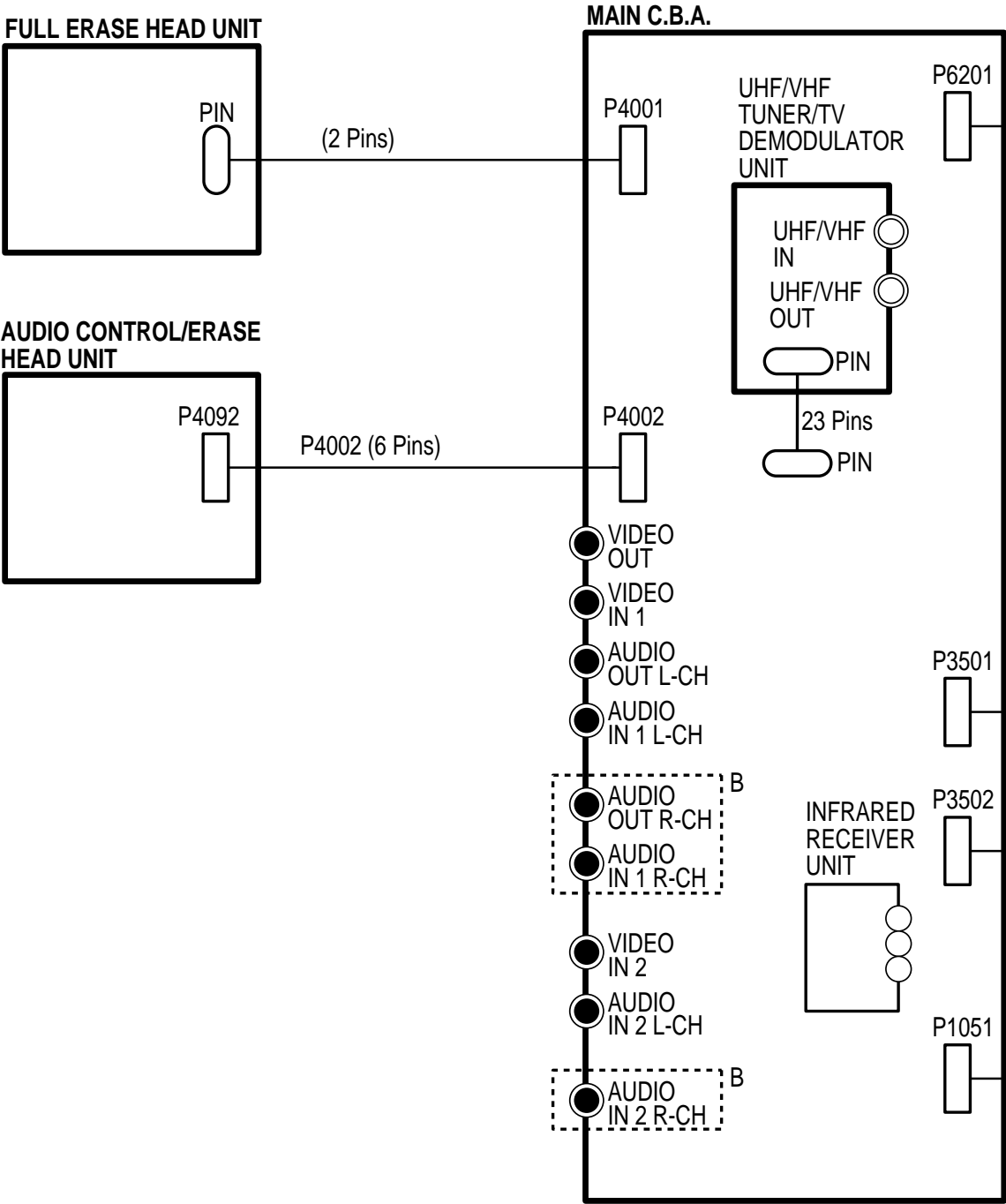
CAUTION NOTICE:
NOTIFIED BY THE SIGN  HAVE
CHARACTERISTICS IMPORTANT FOR SAFETY.
ANY OF THESE COMPONENTS,
SPECIFIED PARTS.




VJBS1026

7.4. INTERCONNECTION SCHEMATIC DIAGRAM

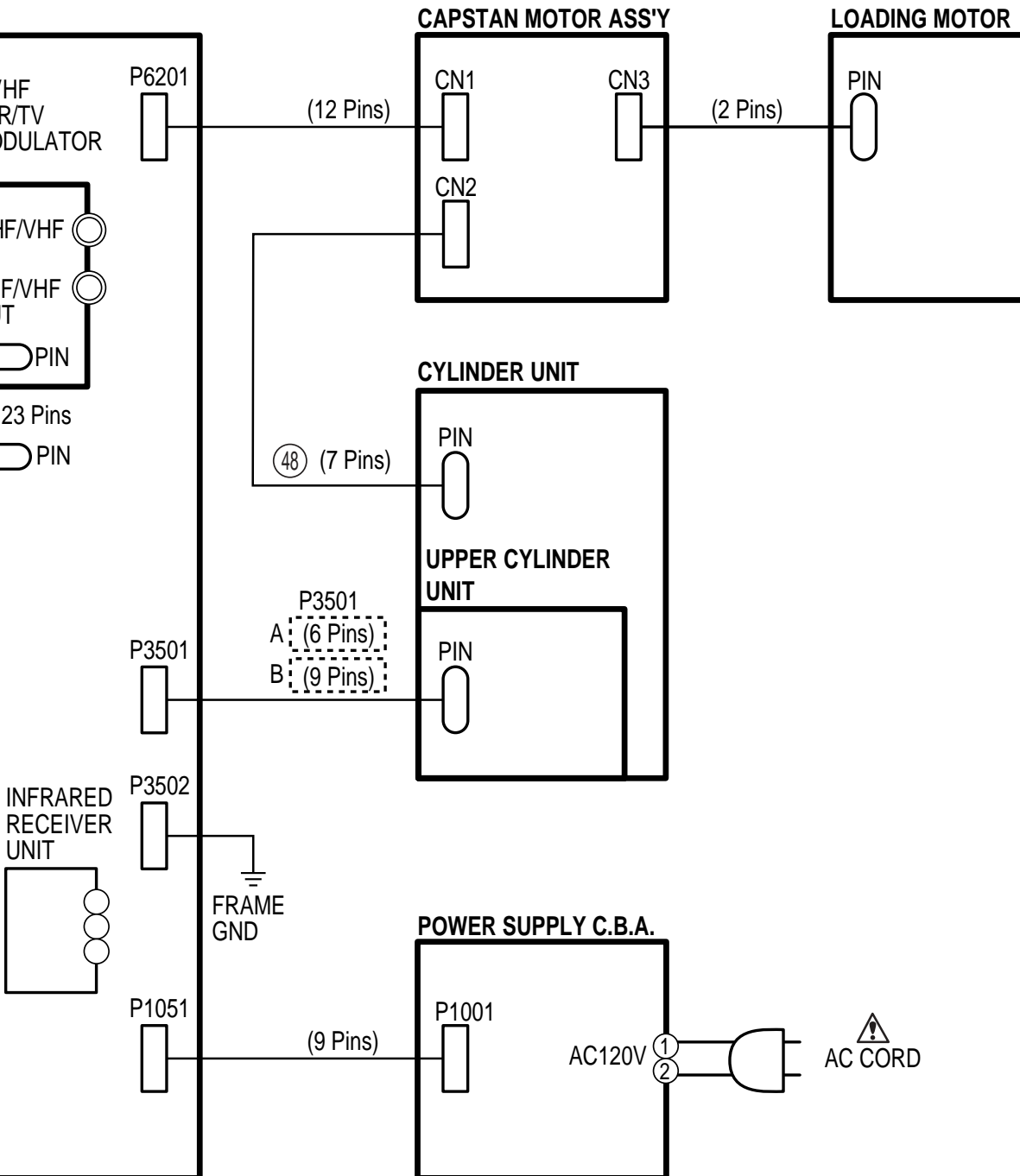
INTERCONNECTION SCHEMATIC DIAGRAM



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

COMPARISON CHART OF MODELS & MARKS	
MODEL	MARK
NV-SJ4230PN	A
NV-FJ6230PN	B
Not used	PT



NV-SJ4230PN, NV-FJ6230PN
INTERCONNECTION SCHEMATIC DIAGRAM