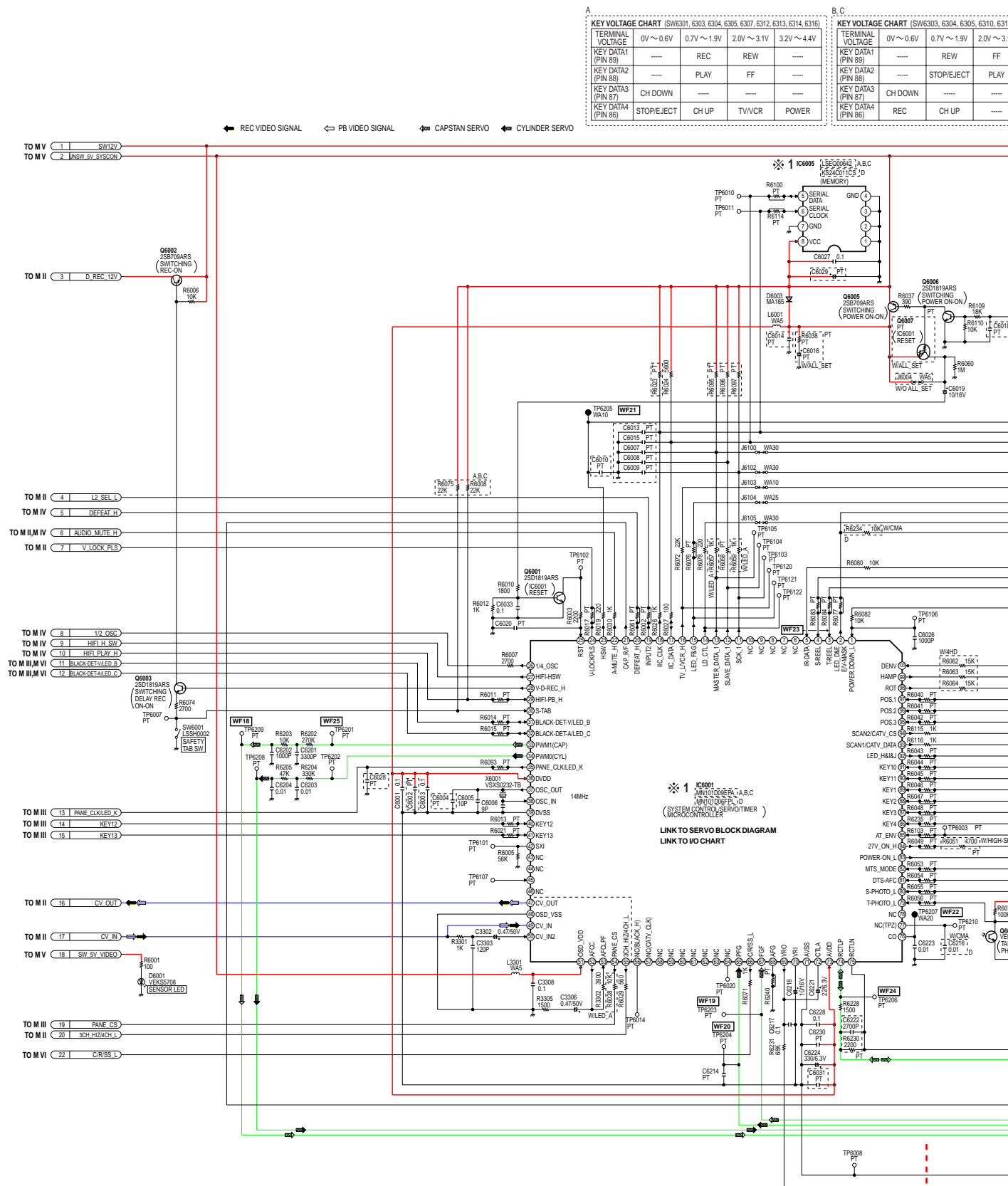


7.2. MAIN SCHEMATIC DIAGRAMS

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.

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

COMPARISON CHART
OF MODELS & MARKS

MODEL	MARK
-----	A
NV-SJ4130PN	B
NV-FJ6130PN	C
-----	D
Not used	PT

C 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

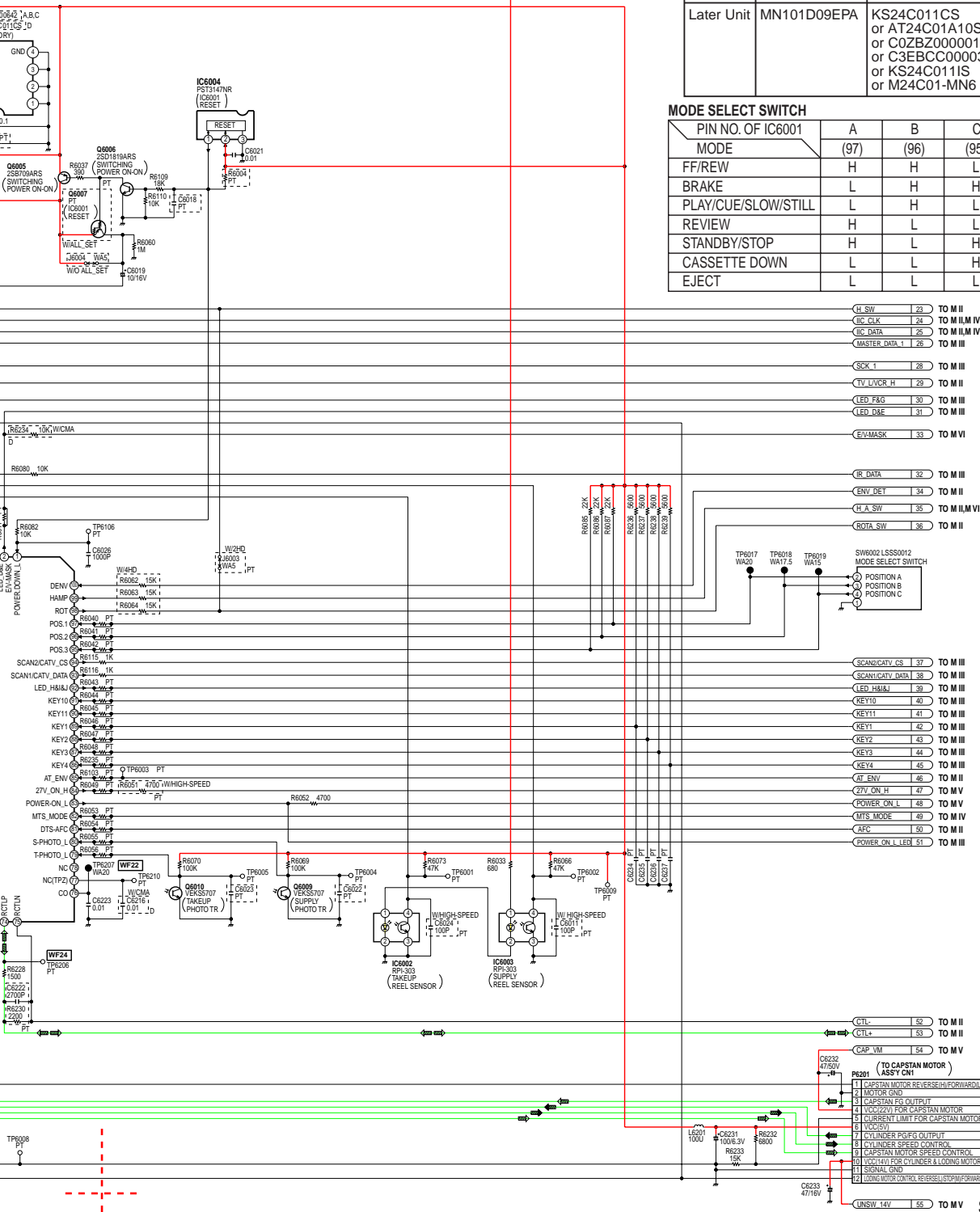
D KEY VOLTAGE CHART (SW6303, 6304, 6305, 6306, 6311, 6314, 6315, 6317)				
TERMINAL VOLTAGE	0V ~ 0.6V	0.7V ~ 1.9V	2.0V ~ 3.1V	3.2V ~ 4.4V
KEY DATA1 (PIN 89)	-----	-----	STOP/EJECT	-----
KEY DATA2 (PIN 88)	-----	REW	PLAY	FF
KEY DATA3 (PIN 87)	CH DOWN	-----	-----	-----
KEY DATA4 (PIN 86)	REC	CH UP	-----	POWER

❖ 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	LSEQ0642
Later Unit	MN101D09EPA	KS24C011CS or AT24C01A10SI or C02BZ0000015 or C3EBCC000038 or KS24C011S or M24C01-MN6

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



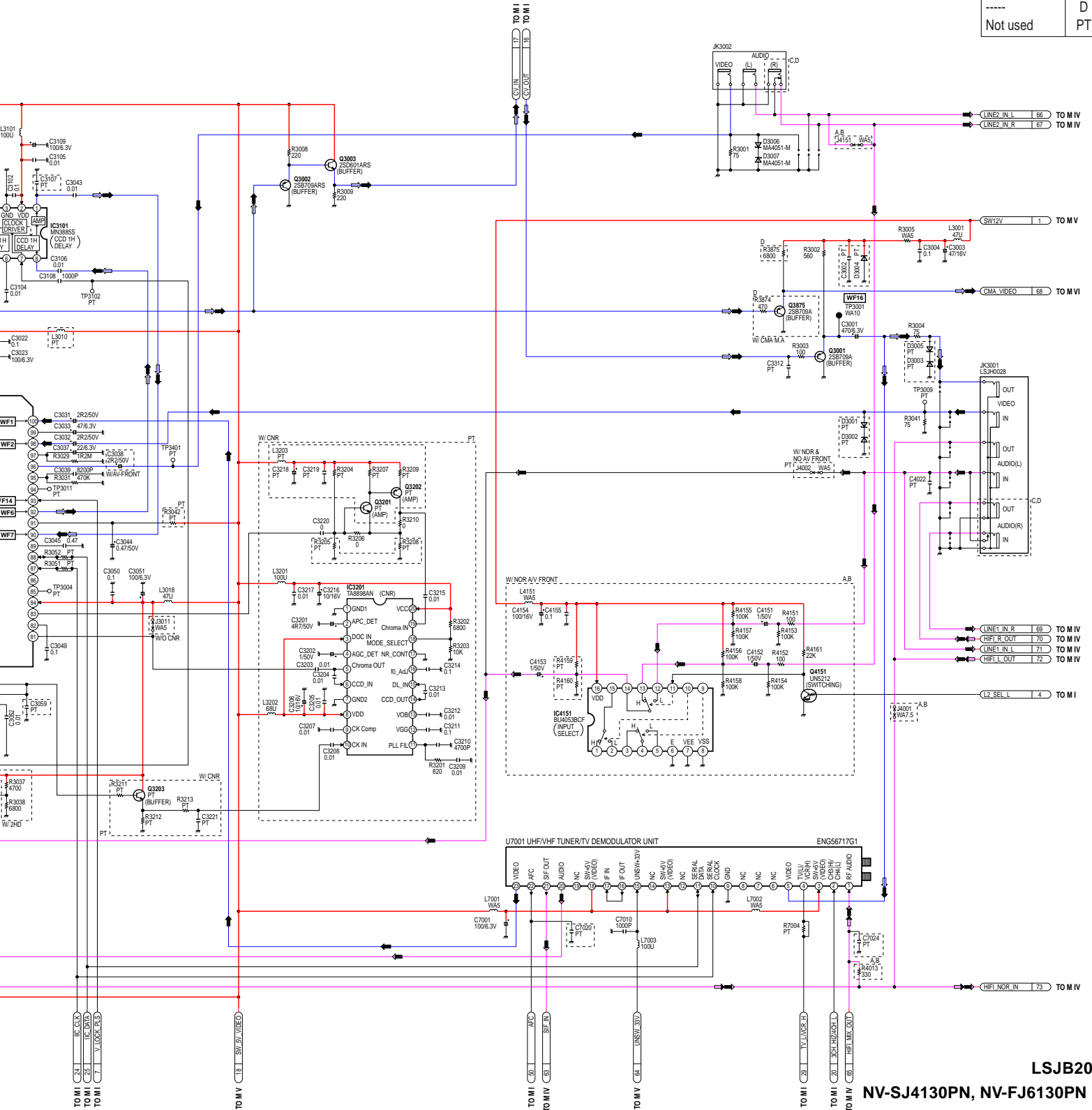


NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

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

COMPARISON CHART
OF MODELS & MARKS

MODEL	MARK
-----	A
NV-SJ4130PN	B
NV-FJ6130PN	C
-----	D
Not used	PT



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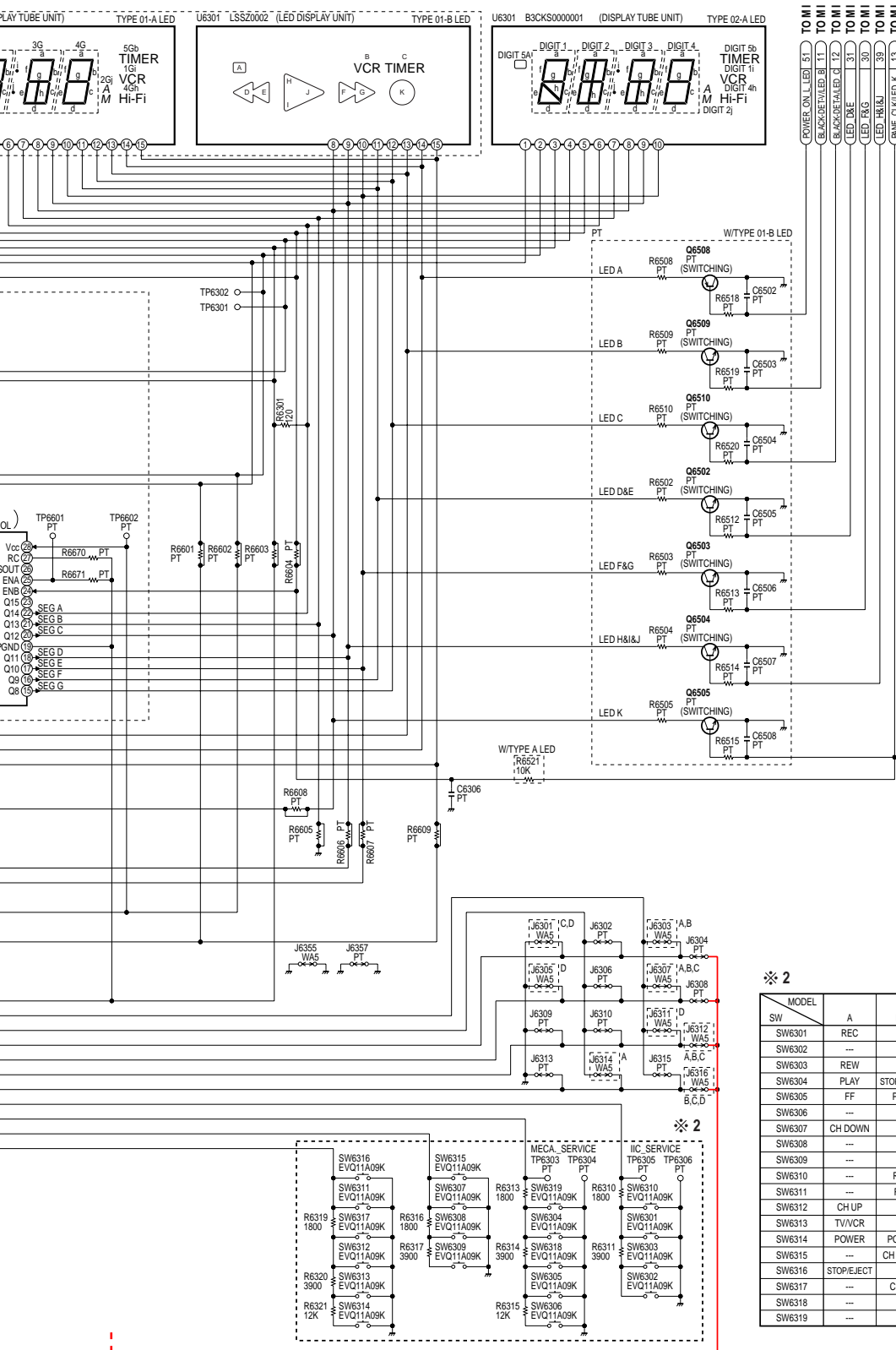
NV-SJ4130PN, NV-FJ6130PN
MAIN II (SIGNAL PROCESS/ AUDIO)
SCHEMATIC DIAGRAM

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
----	A
NV-SJ4130PN	B
NV-FJ6130PN	C
-----	D
Not used	PT



※ 2

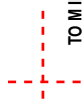
MODEL	A	B,C	D
SW			
SW6301	REC	---	---
SW6302	---	---	---
SW6303	REW	FF	STOPEJECT
SW6304	PLAY	STOPEJECT	REW
SW6305	FF	PLAY	PLAY
SW6306	---	---	FF
SW6307	CH DOWN	---	---
SW6308	---	---	---
SW6309	---	---	---
SW6310	---	REW	---
SW6311	---	REC	REC
SW6312	CH UP	---	---
SW6313	TV/VCR	---	---
SW6314	POWER	POWER	POWER
SW6315	---	CH DOWN	CH DOWN
SW6316	STOPEJECT	---	---
SW6317	---	CH UP	CH UP
SW6318	---	---	---
SW6319	---	---	---

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NV-SJ4130PN, NV-FJ6130PN

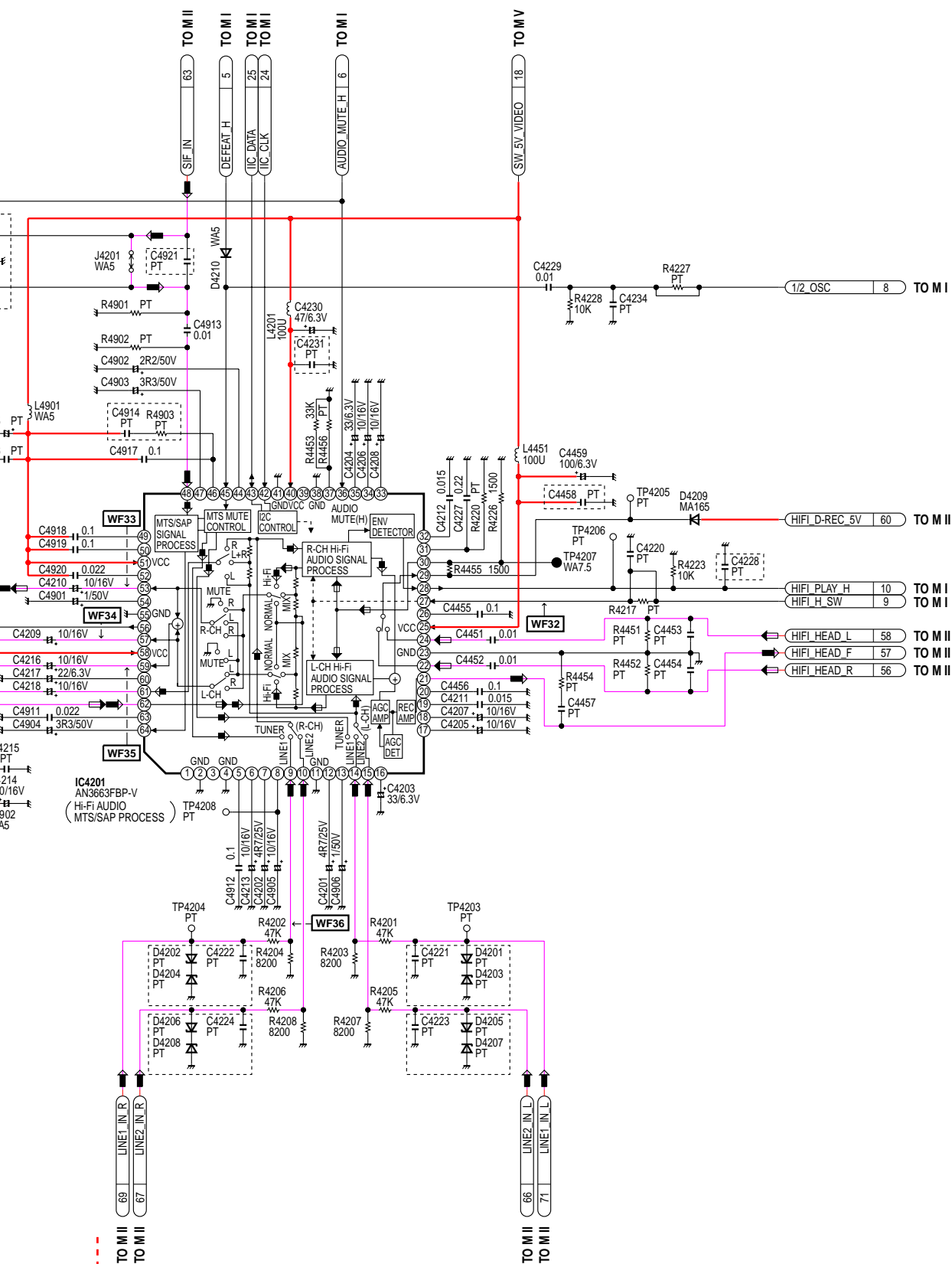
MAIN III (OPERATION) SCHEMATIC DIAGRAM

← PB AUDIO SIGNAL



COMPARISON CHART OF MODELS & MARKS


MODEL	MARK
-----	A
NV-SJ4130PN	B
NV-FJ6130PN	C
-----	D
Not used	PT



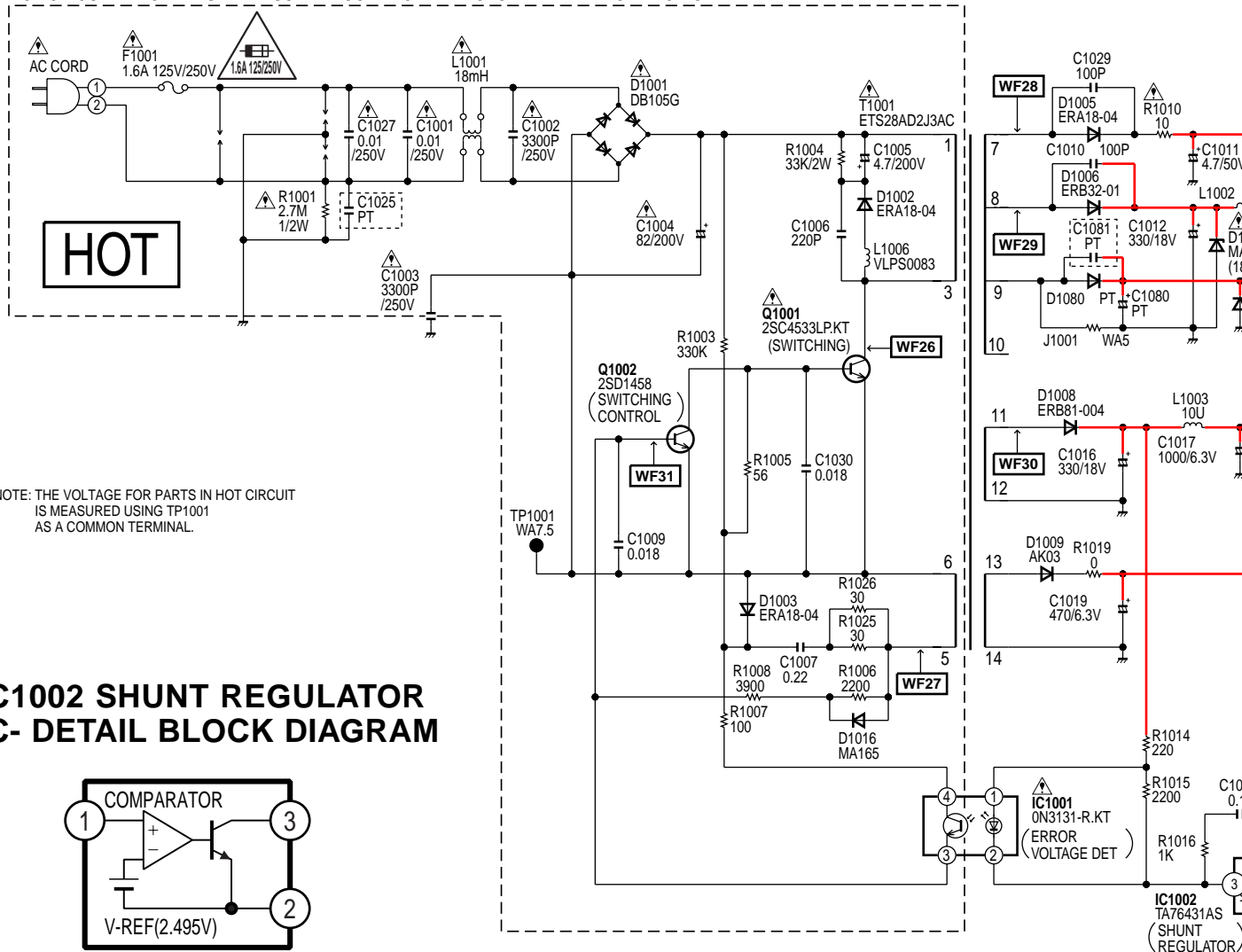
MAIN IV (Hi-fi) SCHEMATIC DIAGRAM (C,D)

MAIN V (POWER SUPPLY) SCHEMATIC DIAGRAM

**CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 1.6A 125/250V FUSE.**
**ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
D'INCENDIE N'UTILISER QUE DES FUSIBLE DE MÊME
TYPE 1.6A 125/250V**

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.

HOT CIRCUIT. BE CAREFUL AND USE AN ISOLATION TRANSFORMER WHEN SERVICING.



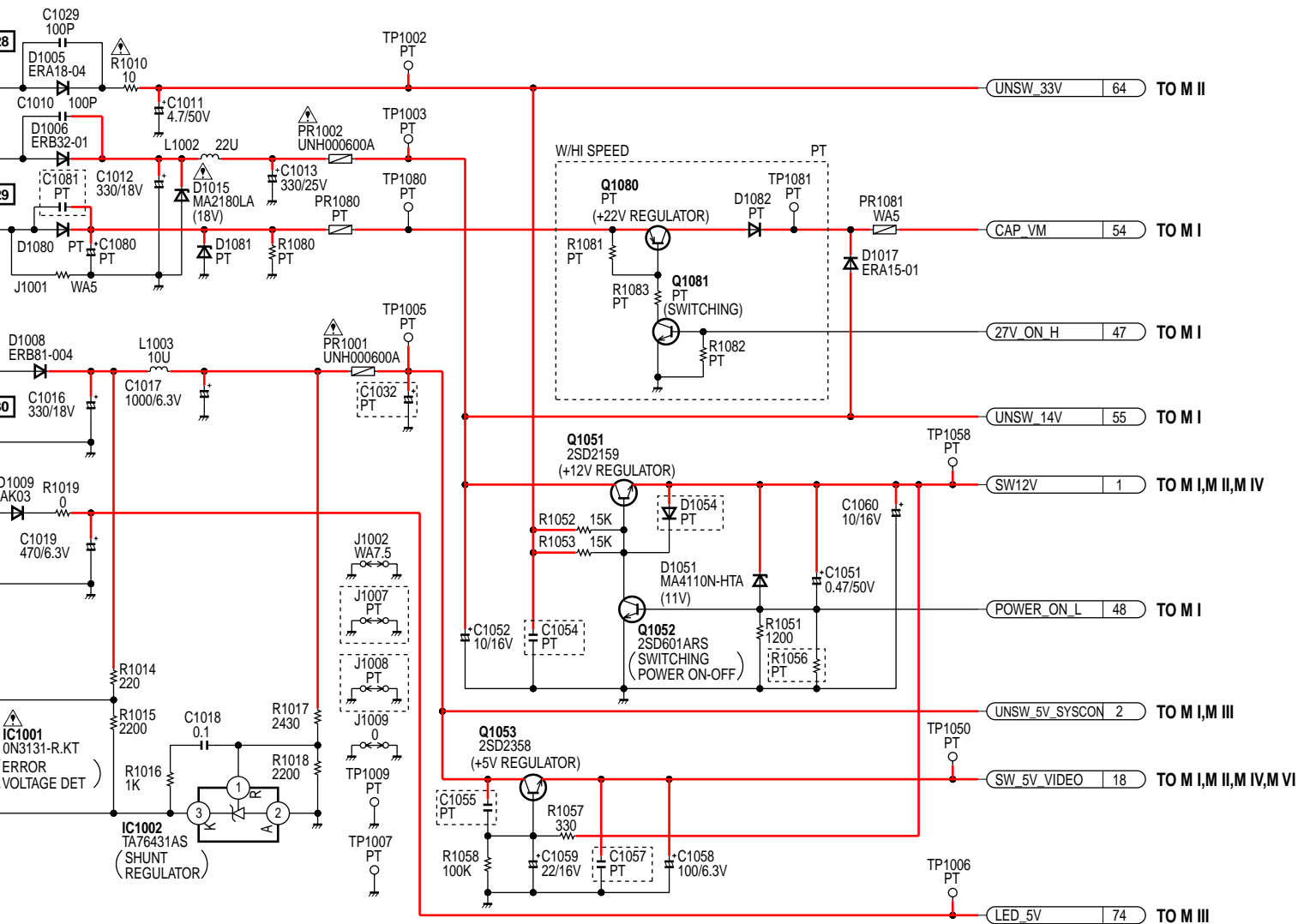
NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

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

COMPARISON CHART
OF MODELS & MARKS

MODEL	MARK
-----	A
NV-SJ4130PN	B
NV-FJ6130PN	C
-----	D
Not used	PT

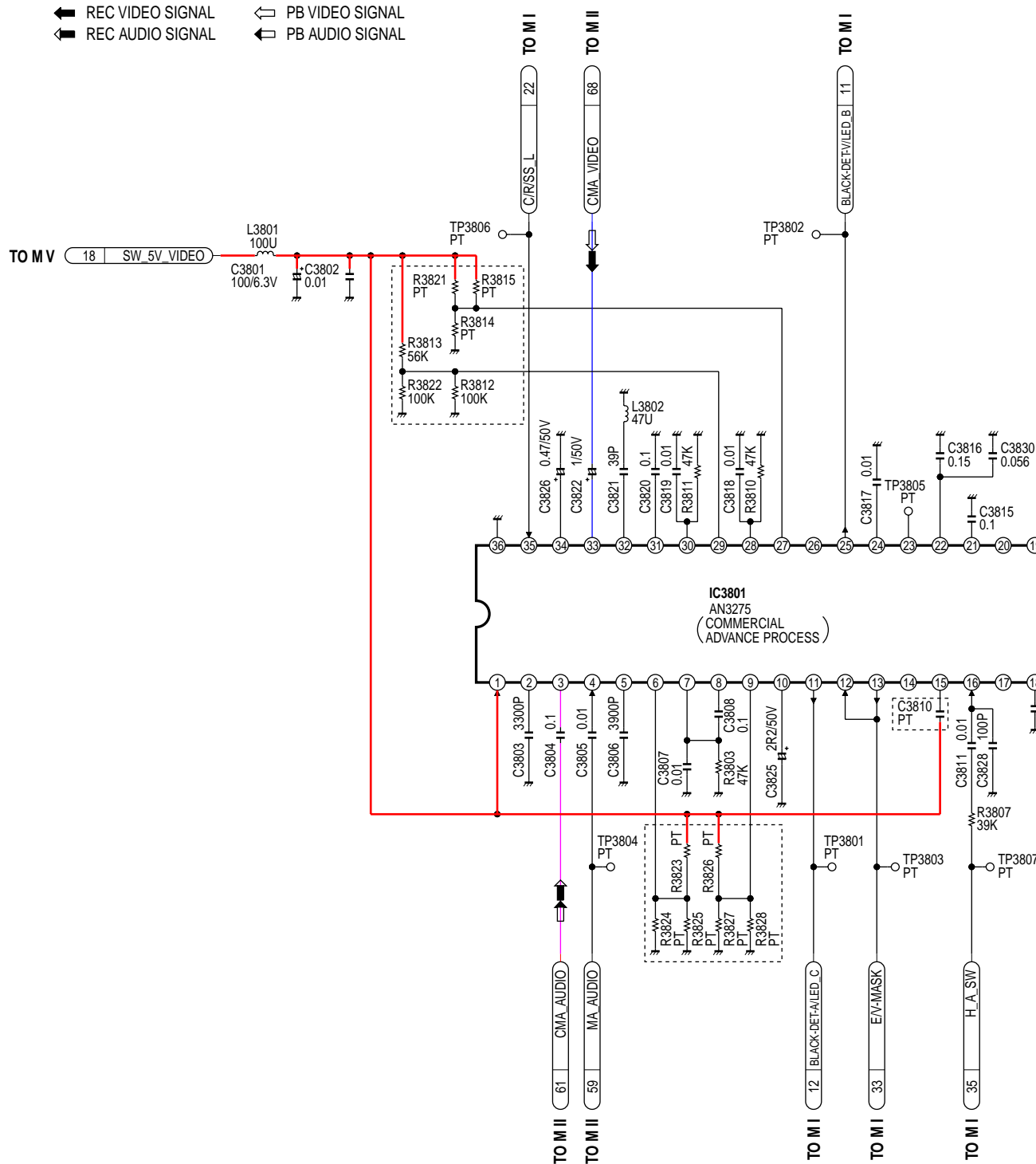
E
FETY.



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NV-SJ4130PN, NV-FJ6130PN
MAIN V (POWER SUPPLY) SCHEMATIC DIAGRAM

MAIN VI (ADVANCE) SCHEMATIC DIAGRAM (D)



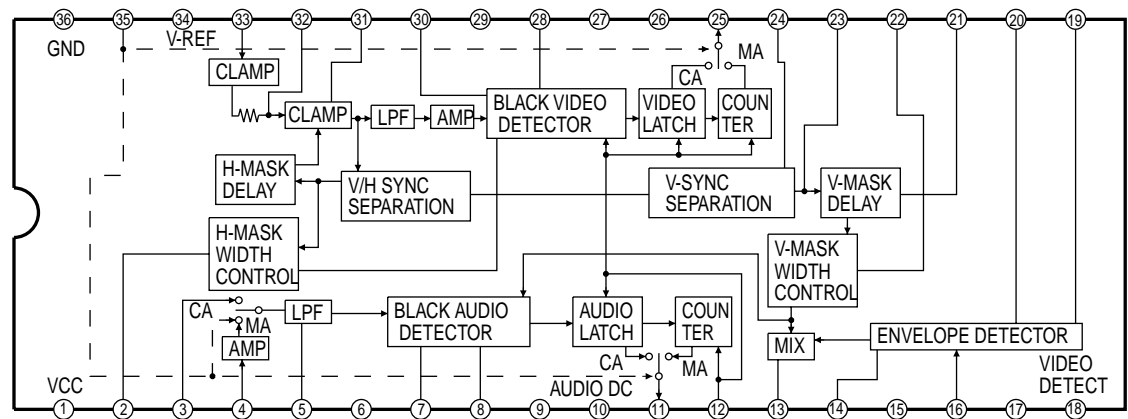
NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

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

COMPARISON CHART
OF MODELS & MARKS

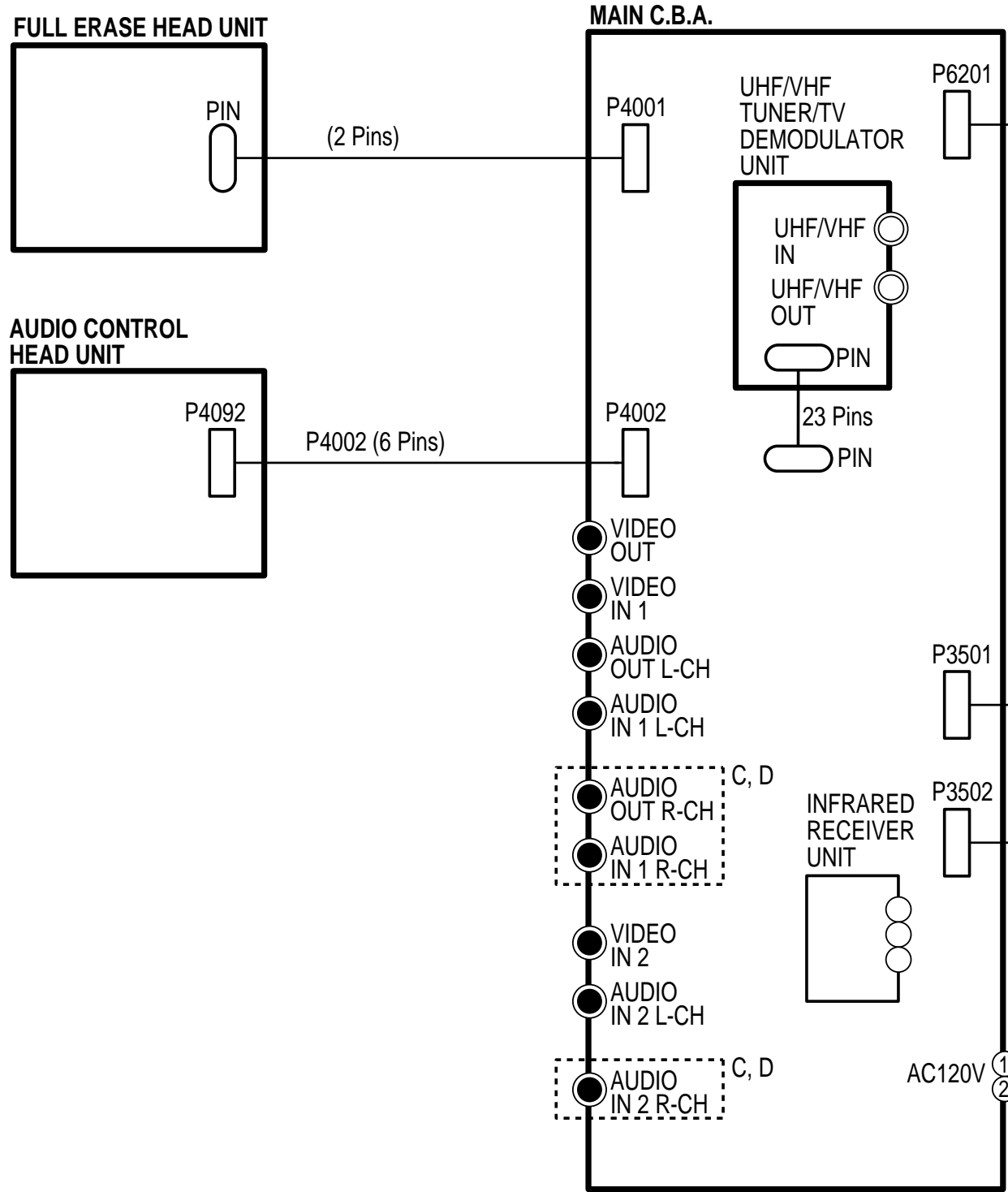
MODEL	MARK
-----	A
NV-SJ4130PN	B
NV-FJ6130PN	C
-----	D
Not used	PT


IC3801 COMMERCIAL ADVANCE PROCESS IC- DETAIL BLOCK DIAGRAM



7.3. INTERCONNECTION SCHEMATIC DIAGRAM

INTERCONNECTION SCHEMATIC DIAGRAM

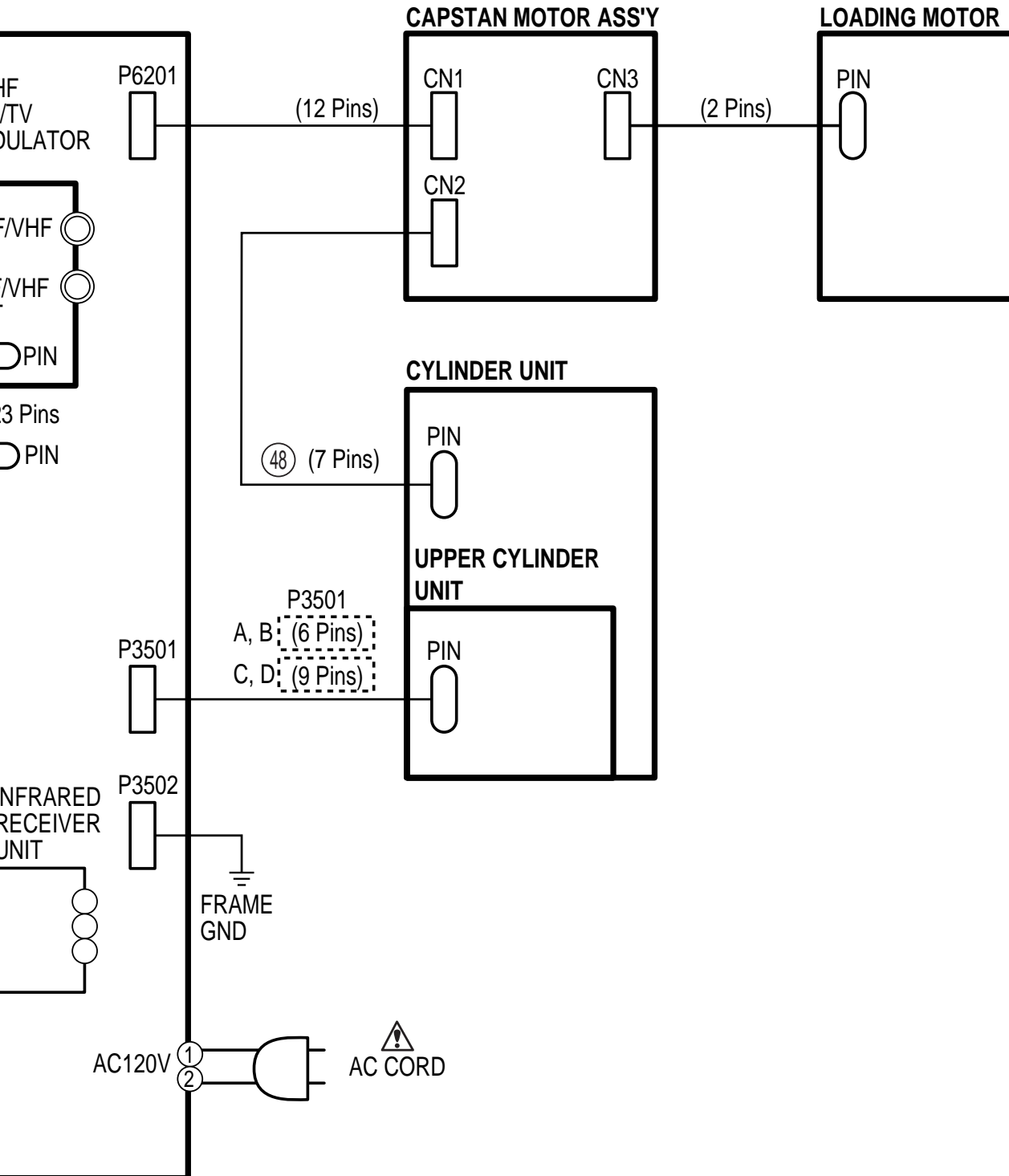


IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN  HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

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

COMPARISON CHART
OF MODELS & MARKS

MODEL	MARK
----	A
NV-SJ4130PN	B
NV-FJ6130PN	C
----	D
Not used	PT



NV-SJ4130PN, NV-FJ6130PN
INTERCONNECTION SCHEMATIC DIAGRAM