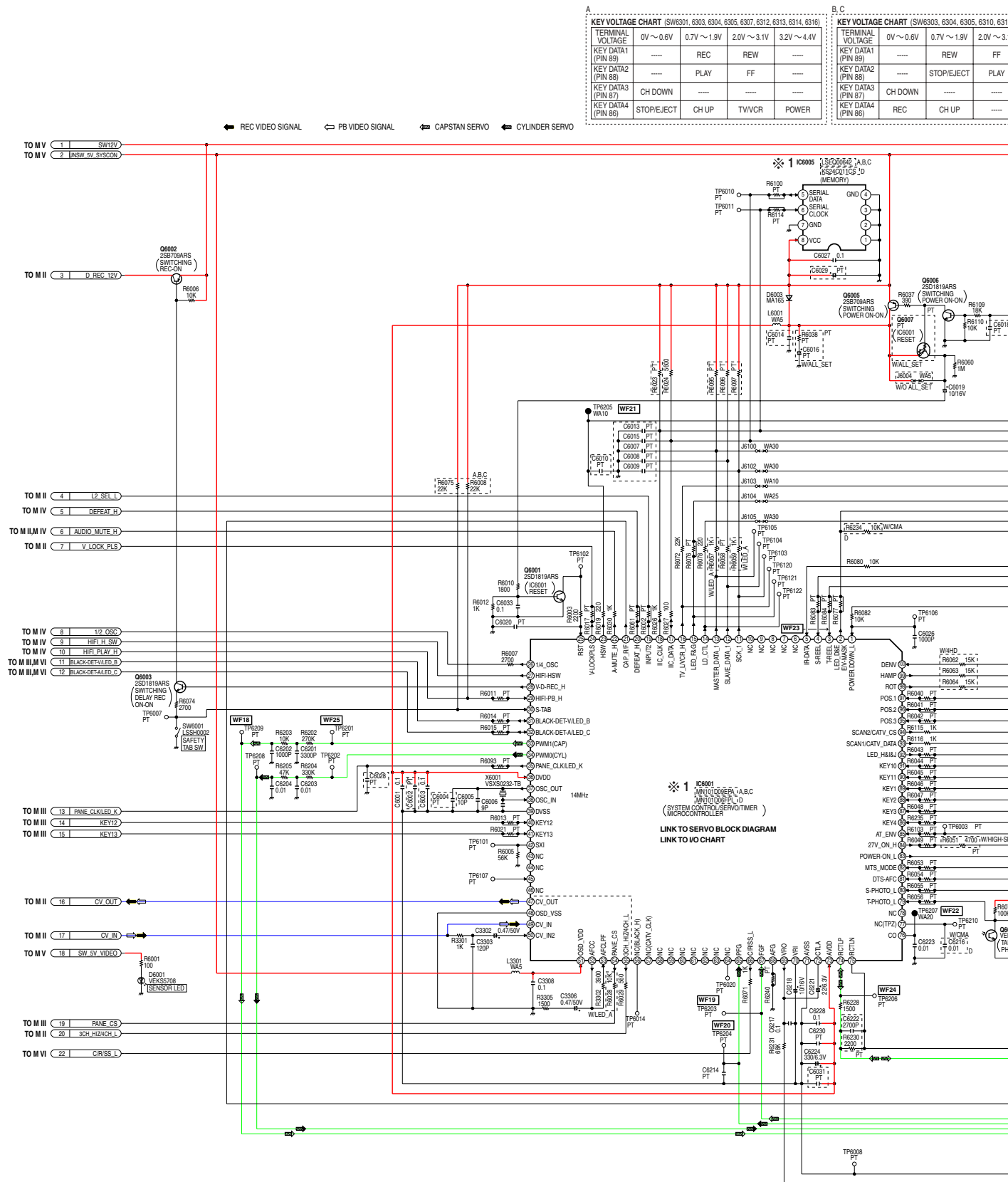


7.2. MAIN SCHEMATIC DIAGRAMS

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 |
|----------|------|
| PV-V402 | A |
| PV-V4022 | B |
| PV-V4522 | C |
| PV-V4612 | D |
| Not used | PT |

| 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 |

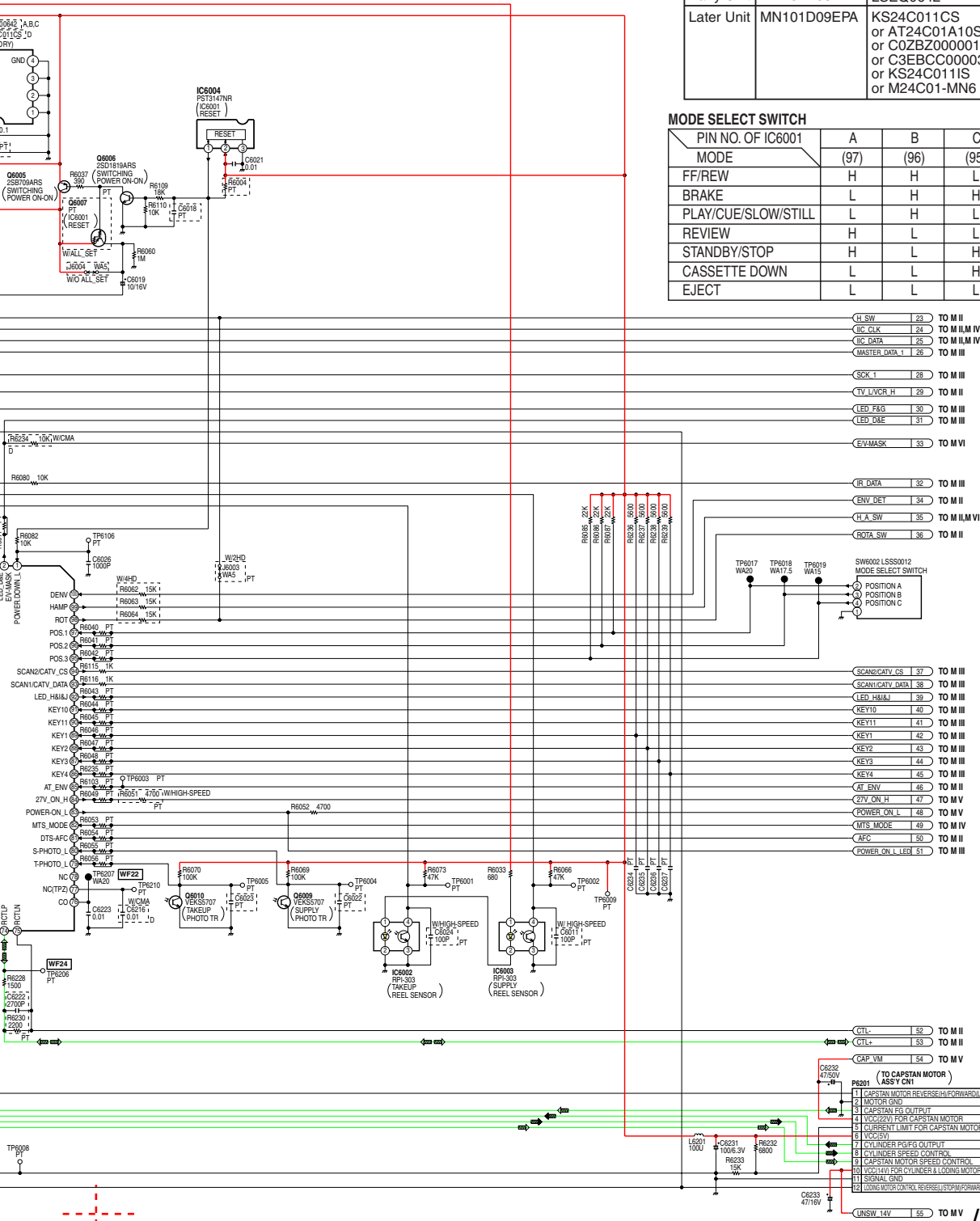
| KEY VOLTAGE CHART (SW6303, 6304, 6305, 6306, 6311, 6314, 6315, 6317) | | | | |
|--|-----------|-------------|-------------|-------------|
| TERMINAL VOLTAGE | 0V ~ 0.6V | 0.7V ~ 1.9V | 2.0V ~ 3.1V | 3.2V ~ 4.4V |
| KEY DATA1 (PIN 89) | ---- | ---- | STOP/EJECT | ---- |
| KEY DATA2 (PIN 88) | ---- | 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 for PV-V402, PV-V4022, and PV-V4522: 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 C3EBC0000015 or KS24C011IS 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 |

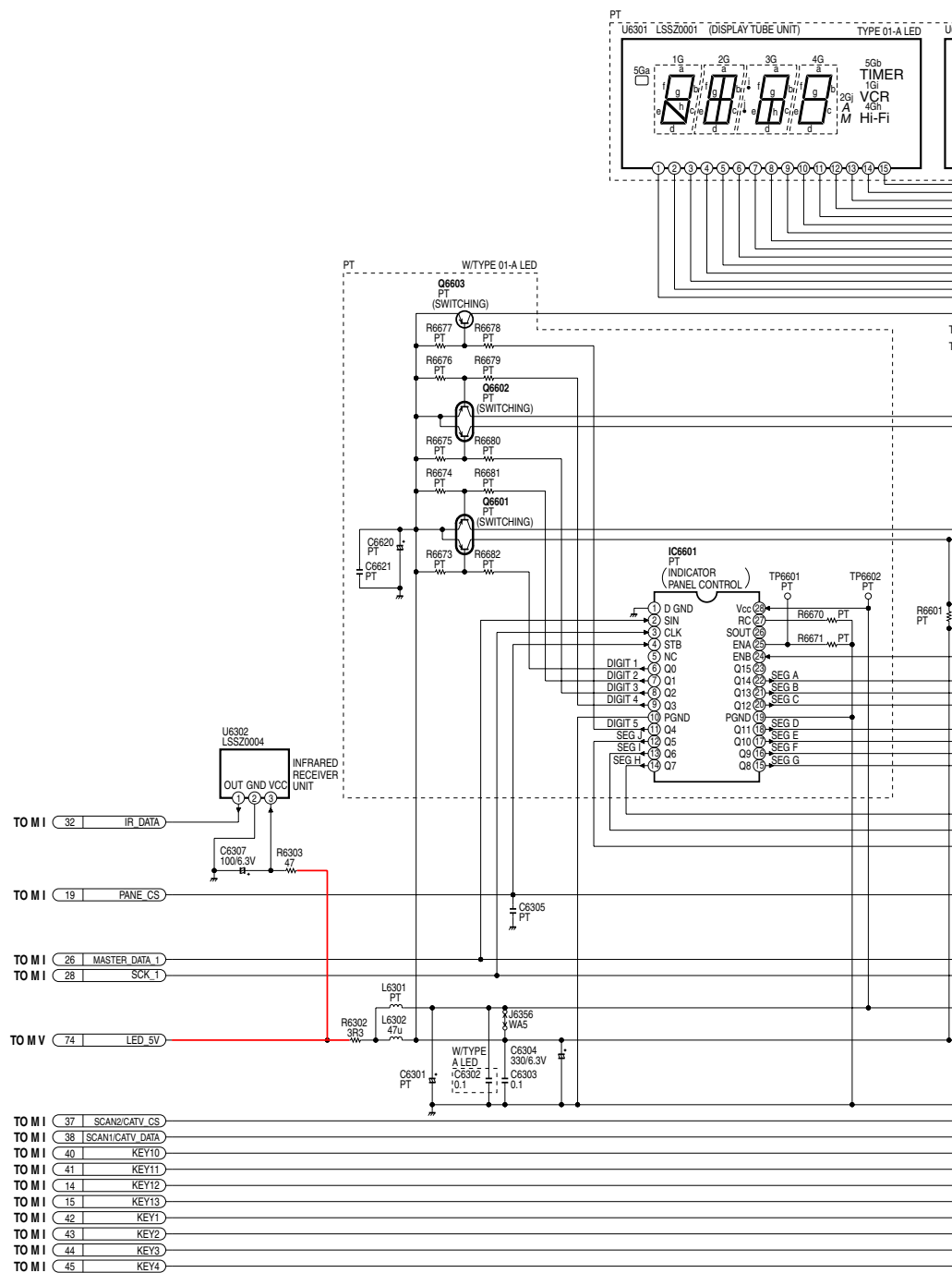


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NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

MAIN III (OPERATION) SCHEMATIC DIAGRAM



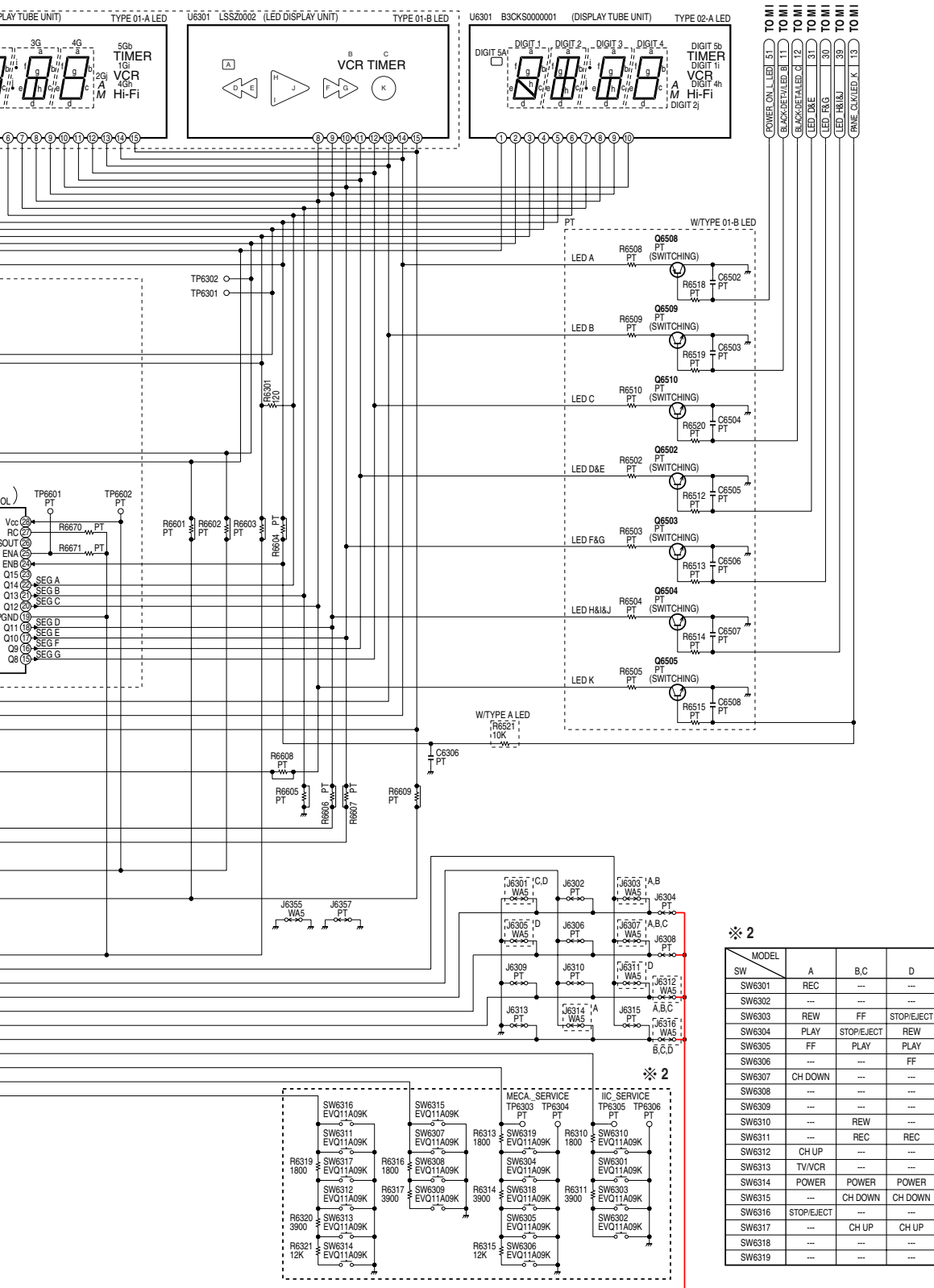
TO M V 2 UNSW_5V_SYSCON

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 |
|----------|------|
| PV-V402 | A |
| PV-V4022 | B |
| PV-V4522 | C |
| PV-V4612 | D |
| Not used | PT |



※ 2

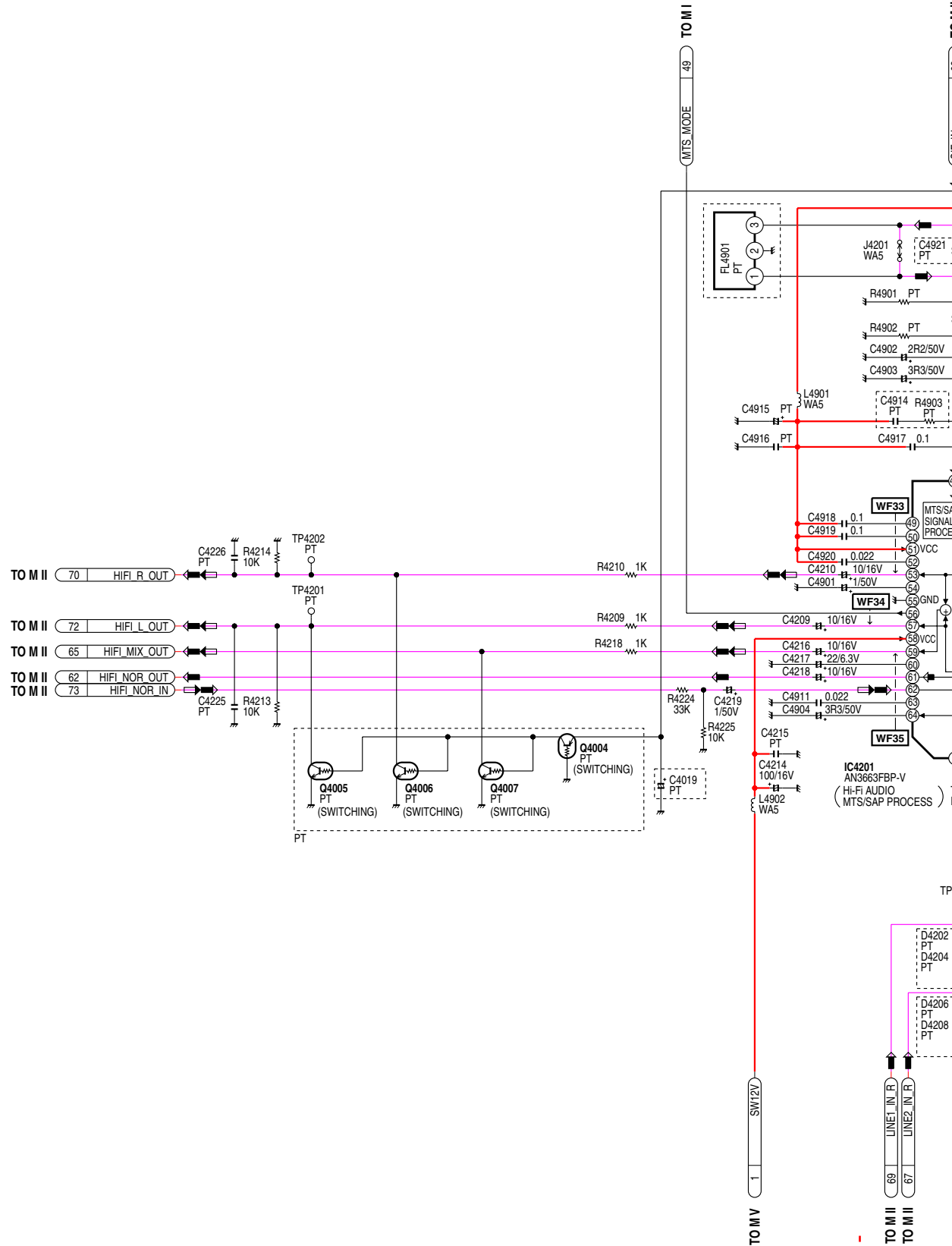
| MODEL | A | B,C | D |
|--------|------------|------------|------------|
| SW6301 | REC | --- | --- |
| SW6302 | --- | --- | --- |
| SW6303 | REW | FF | STOP/EJECT |
| SW6304 | PLAY | STOP/EJECT | REW |
| SW6305 | FF | PLAY | PLAY |
| SW6306 | --- | --- | FF |
| SW6307 | CH DOWN | --- | --- |
| SW6308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

LSJB2006
PV-V402, PV-V4022,
PV-V4522, PV-V4612

MAIN III (OPERATION) SCHEMATIC DIAGRAM

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

◀ REC AUDIO SIGNAL ◀ PB AUDIO SIGNAL



COMPARISON CHART OF MODELS & MARKS

| MODEL | MARK |
|----------|------|
| PV-V402 | A |
| PV-V4022 | B |
| PV-V4522 | C |
| PV-V4612 | D |
| Not used | PT |



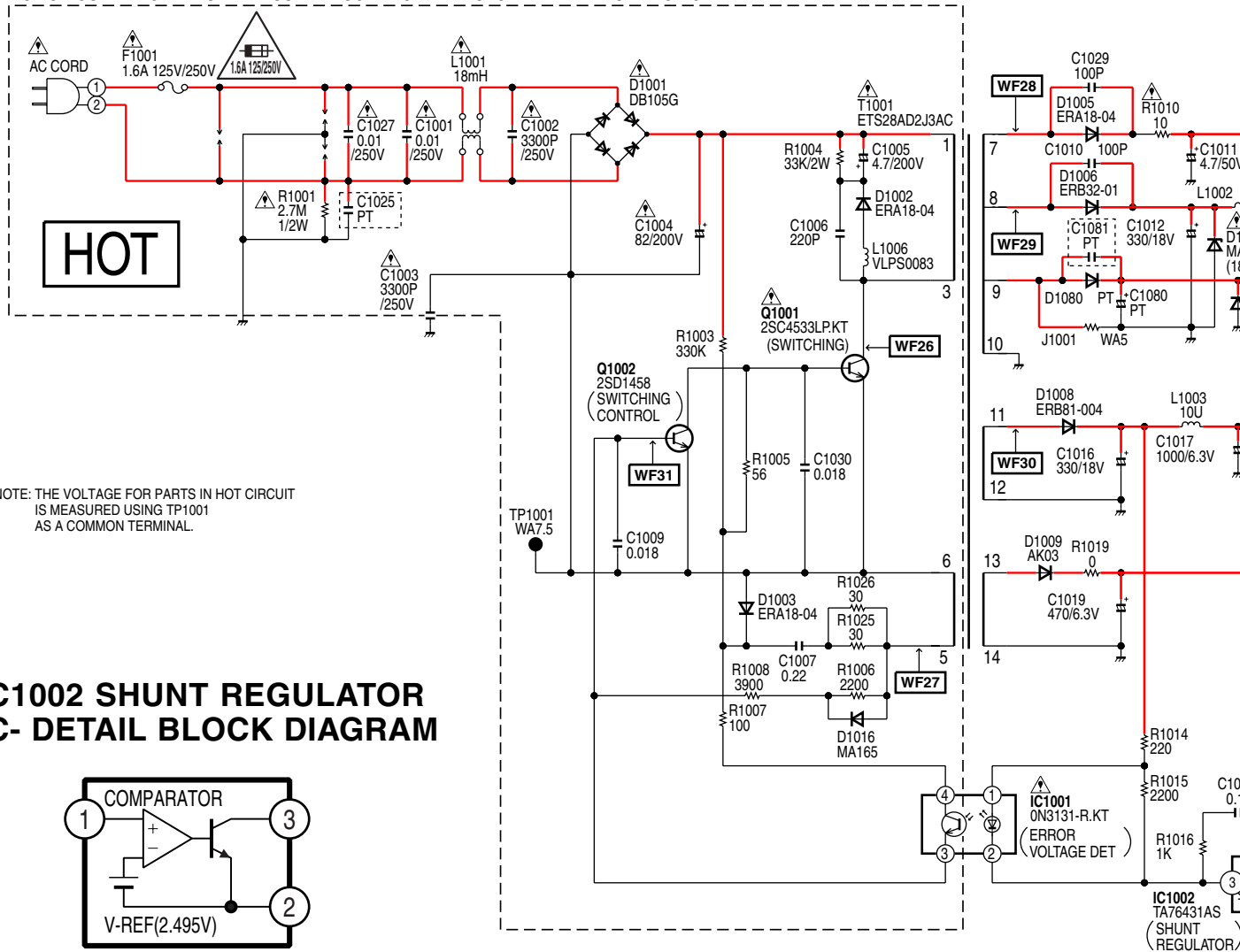
MAIN V (POWER SUPPLY) SCHEMATIC DIAGRAM

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 FUSIBLES 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.



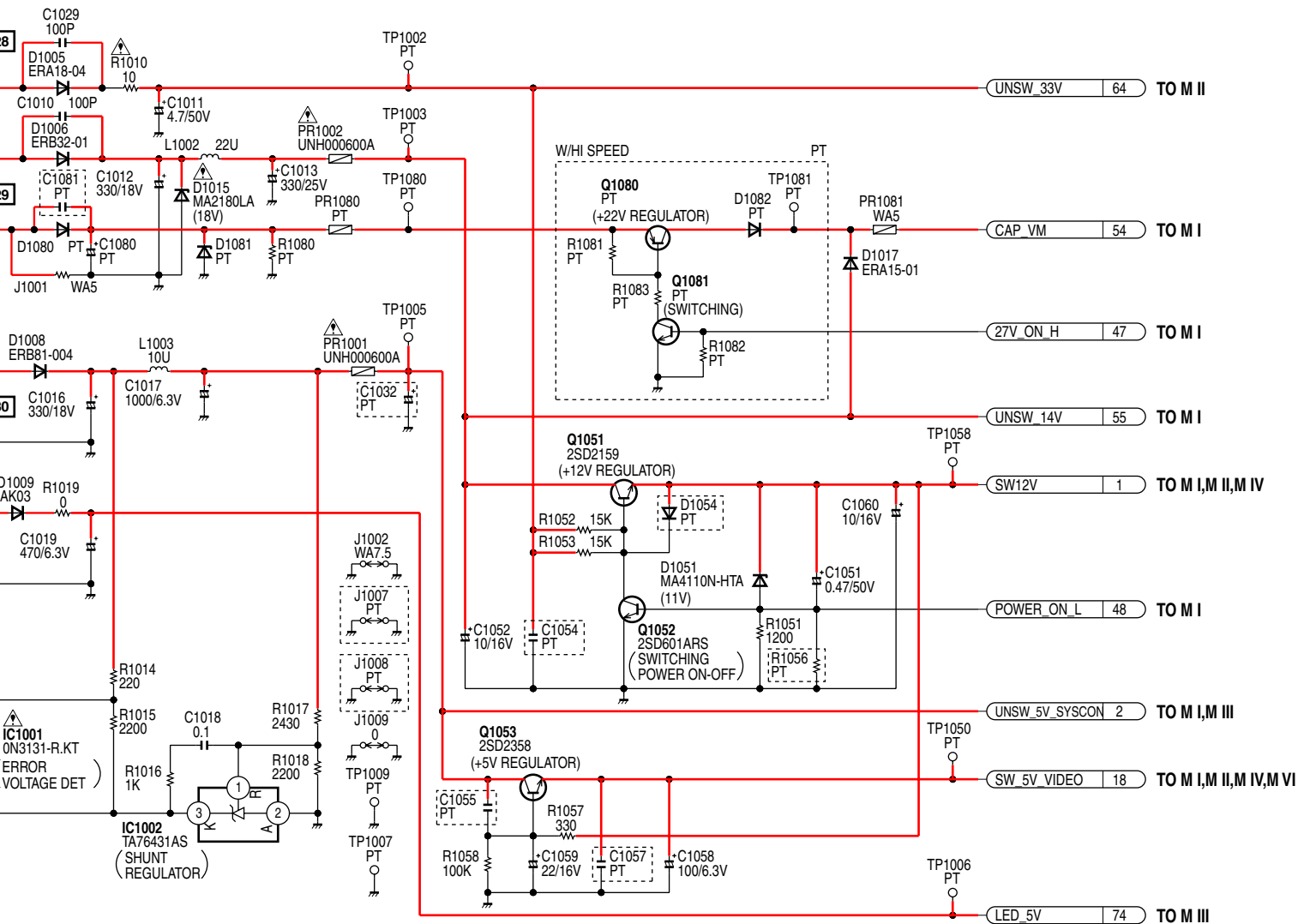
NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

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

COMPARISON CHART
OF MODELS & MARKS

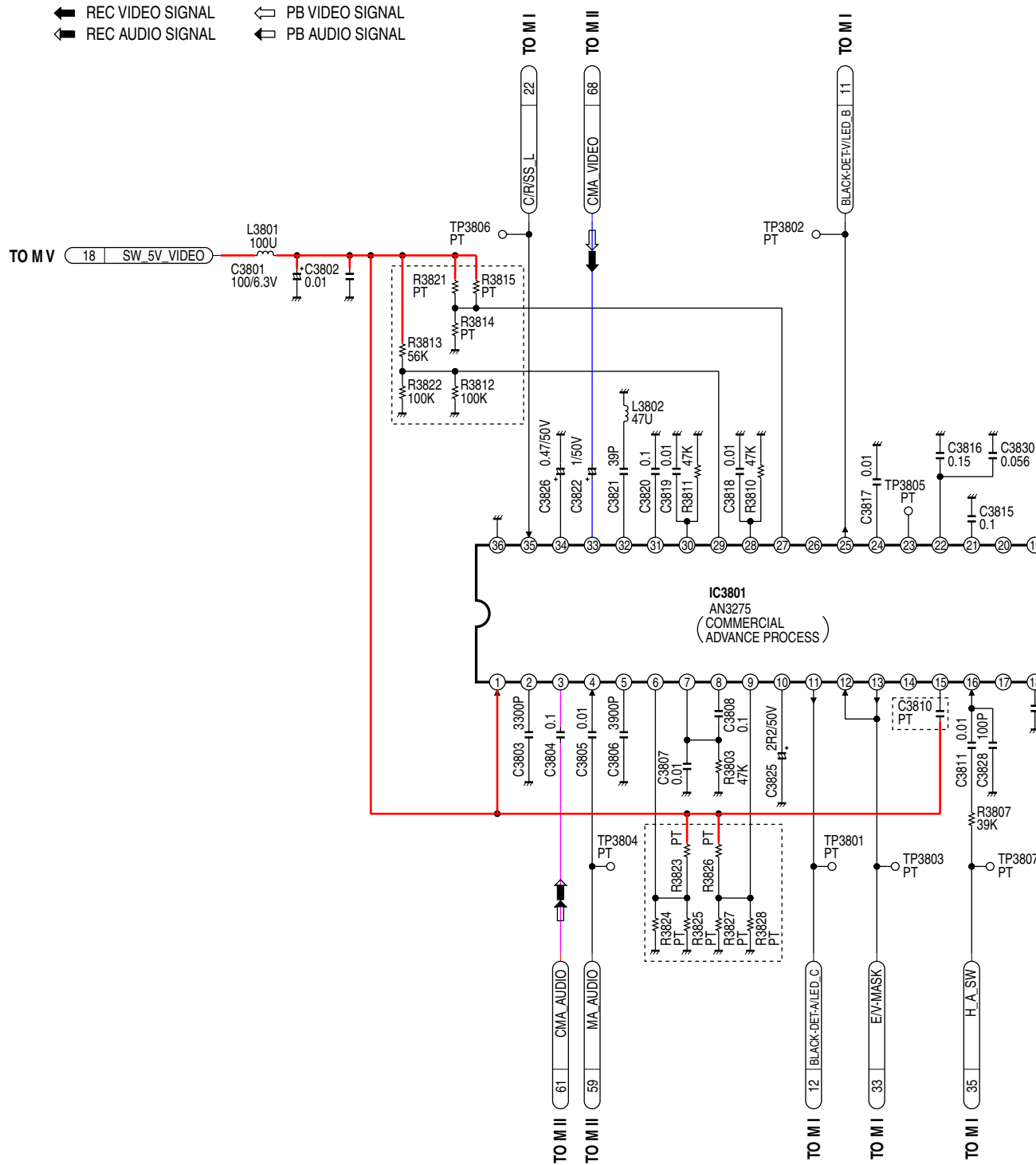
| MODEL | MARK |
|----------|------|
| PV-V402 | A |
| PV-V4022 | B |
| PV-V4522 | C |
| PV-V4612 | D |
| Not used | PT |

E
FETY.



LSJB2006
PV-V402, PV-V4022,
PV-V4522, PV-V4612
MAIN V (POWER SUPPLY) SCHEMATIC DIAGRAM

MAIN VI (ADVANCE) SCHEMATIC DIAGRAM (D)



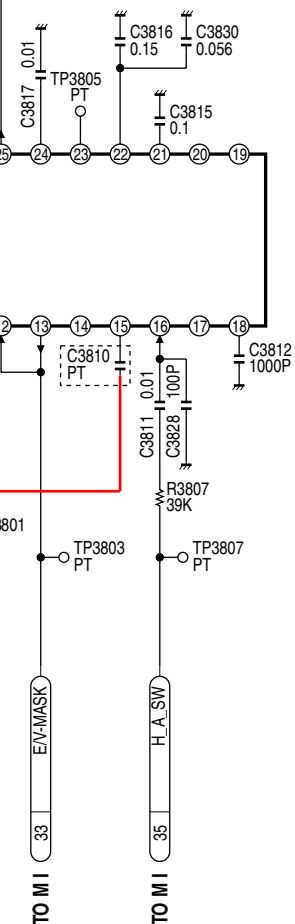
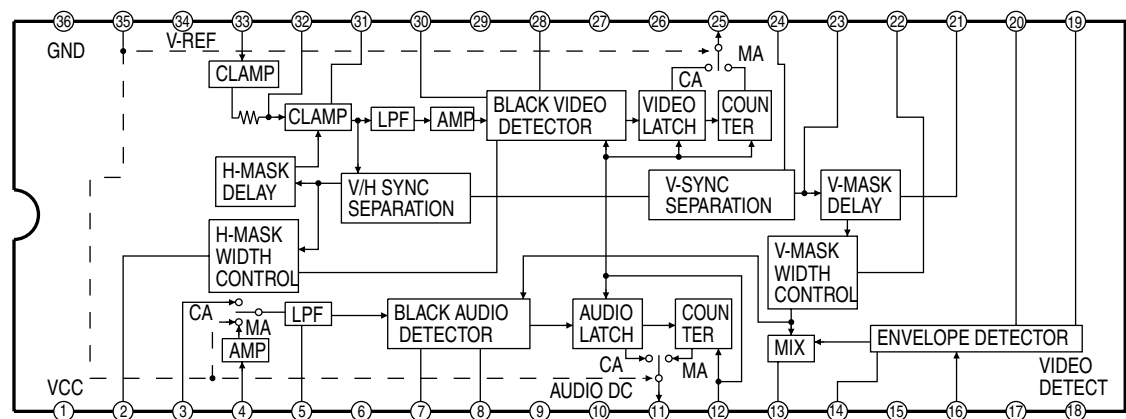
NOTE: For placing a purchase order of the parts,
be sure to use the part number listed in the parts list.
Do not use the part number on this diagram.

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

COMPARISON CHART
OF MODELS & MARKS

| MODEL | MARK |
|----------|------|
| PV-V402 | A |
| PV-V4022 | B |
| PV-V4522 | C |
| PV-V4612 | D |
| Not used | PT |

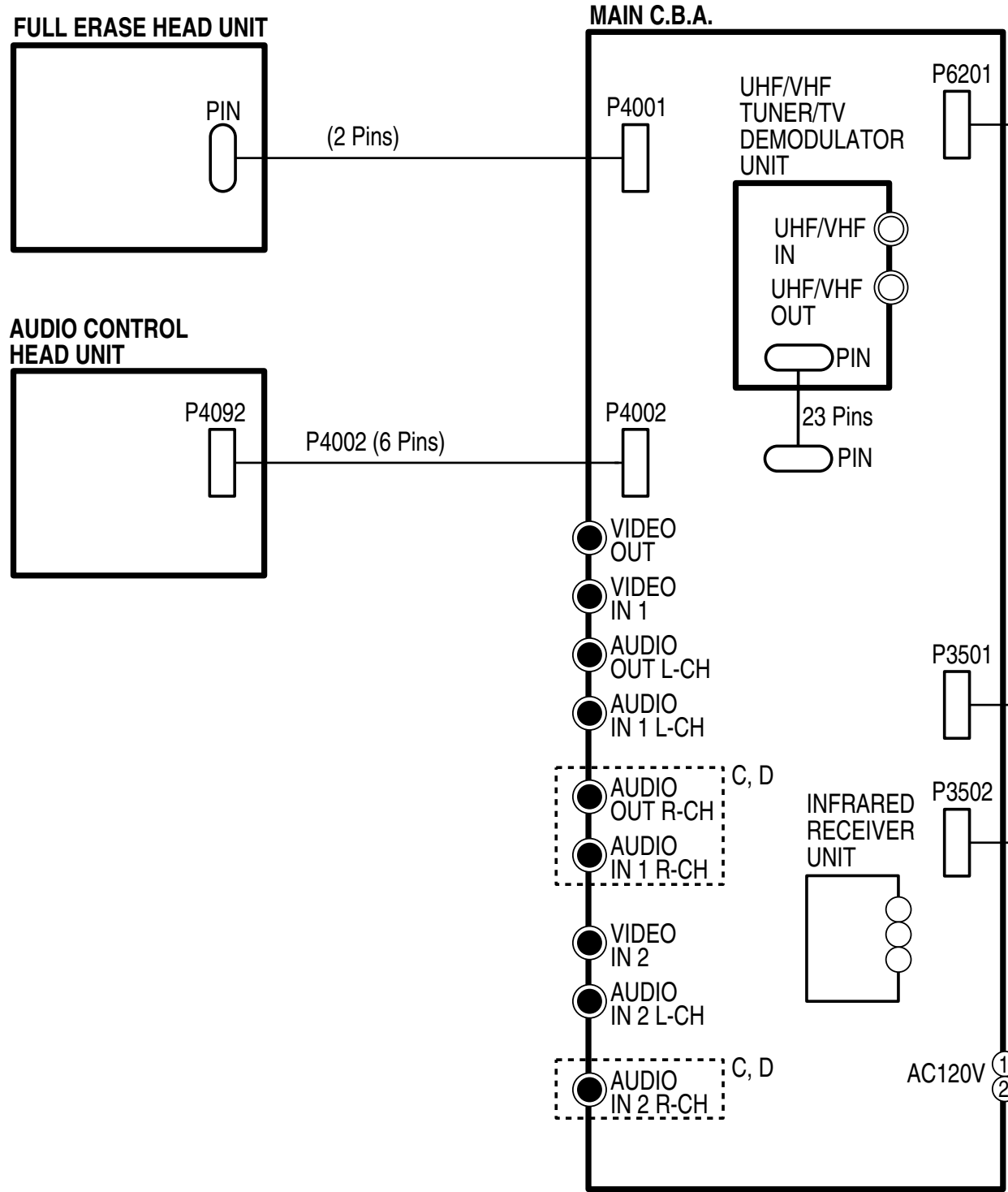
IC3801 COMMERCIAL ADVANCE PROCESS IC- DETAIL BLOCK DIAGRAM




7.3. INTERCONNECTION SCHEMATIC DIAGRAM



INTERCONNECTION SCHEMATIC DIAGRAM

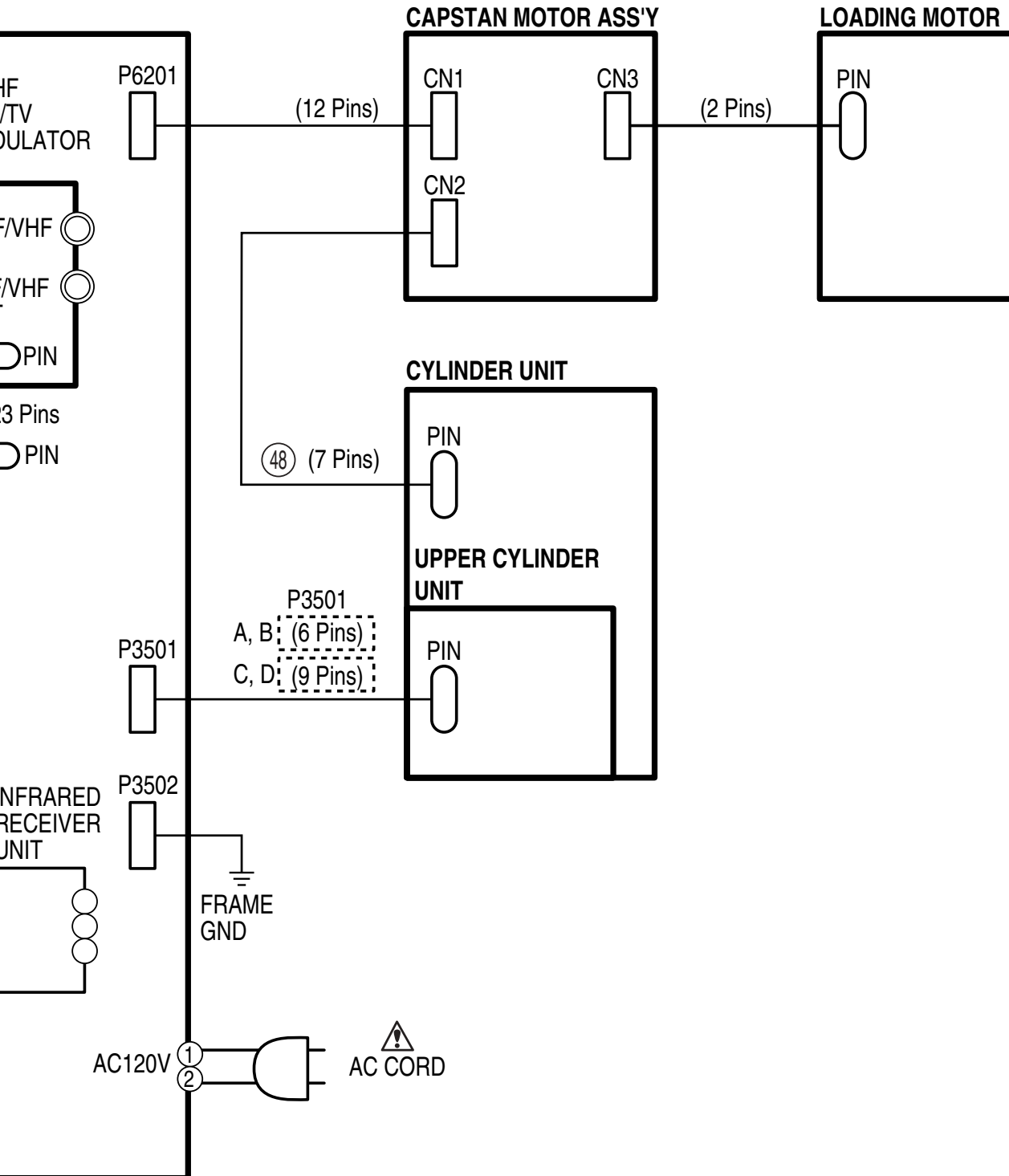


IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN  HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

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

COMPARISON CHART
OF MODELS & MARKS

| MODEL | MARK |
|----------|------|
| PV-V402 | A |
| PV-V4022 | B |
| PV-V4522 | C |
| PV-V4612 | D |
| Not used | PT |



PV-V402, PV-V4022,
PV-V4522, PV-V4612
INTERCONNECTION SCHEMATIC DIAGRAM