





- 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.
- Do not use the part number shown on this drawing for ordering.
The correct part number and part value is shown in the parts list, and may be slightly different or amended since this drawing was prepared.
- Use only original replacement parts:
To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list section of the service manual.
- Parts different in shape or size may be used.
However, only interchangeable parts will be supplied as service replacement parts.
- Test point information
 ① :Test point with a jumper wire across a hole in P.C.B.
 :Test point with a component lead on the foil side.
 :Test point with no test pin.
 :Test point with a test pin.

Schematic Diagram Notes

- Indication for Zener Voltage of Zener Diodes
The Zener Voltage of Zener Diodes are indicated as such on Schematic Diagrams.

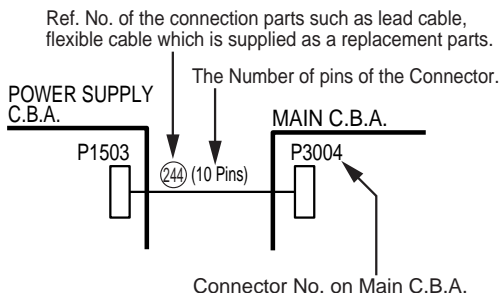
Example:

(6.2V).....Zener Voltage

- How to identify Connectors
Each connector is labeled with a Connector No. and Pin No. Indicating what it is connected to, in other words, its counter part.
Use the interconnection schematic diagram to find the connection between associated connectors.

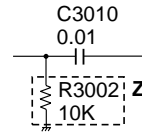
Example:

The connections between C.B.A.s are shown below.



- Parts enclosed in dashed lines marked "Z" are not used in any models included in this service manual.

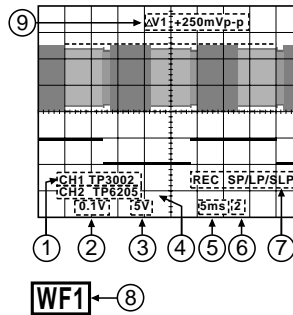
Example:



- The part number shown on this drawing is only main part number, except for safety parts. Be sure to make your orders of replacement parts according to the parts list.

Signal Waveform Note

How to read Signal Waveform



- Connecting Point
- Volts/Div
- Volts/Div
- Connecting Point
- Time/Div
- Trigger Channel of the scope
(1:CH1,2:CH2)
- Operation Mode of VCR
- Waveform Point on Schematic
- $\Delta V1$:Peak to Peak

Voltage Chart Note

Voltage Measurement

- Color bar signal in SP mode.
- :Unmeasurable or not necessary to measure.

Circuit Board Layout Note

Circuit Board Layout shows components installed for various models.

For proper parts content for the model you are servicing, please refer to the schematic diagram and parts list.

NOTE:

Circuit Board Layout includes components which are not used.

COMPARISON CHART
OF MODELS & MARKS

MODEL	MARK
PVQ-V201	A
PV-V4021	B
PV-V4021-K	C
-----	D
VHQ-401	E
VHQ-41M	F
PV-V4511	G
PV-V4521	H
PV-V4521A	I
PV-V4521-K	J
-----	K
VHQ-451	L
PV-V4611	M
-----	N
Not Used	Z

Note : Refer to item 3 of Schematic Diagram Notes for mark "Z".