PT 8633
SDI TEST PATTERN GENERATOR

The PT 8633 SDI Test Pattern Generator can be installed in the PT 5230 Digital Video.

Packing list:

Check that the PT 8633 option package contains the following items:

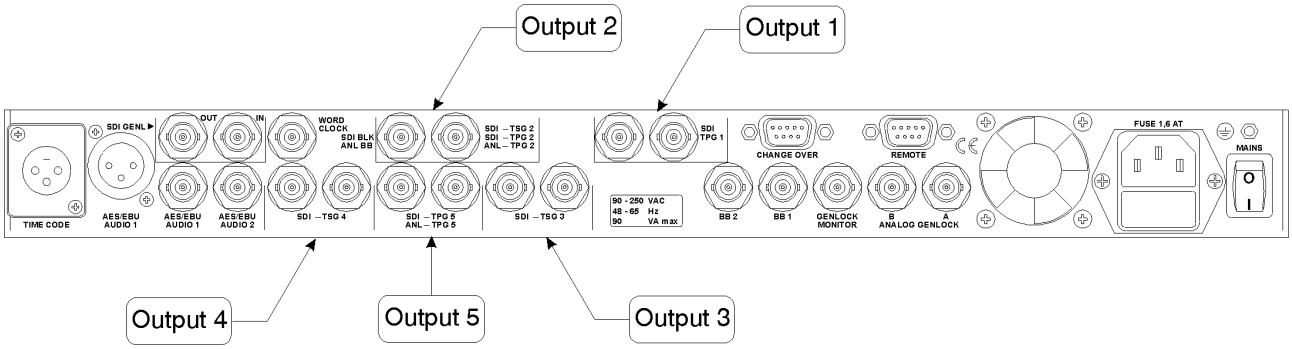
	Description:	Item	Quantity
1.	Nut for BNC	2422 034 17419	2
2.	Lock washer for BNC Connector	2422 034 17421	2
3.	Pan Head Screw M3x6	2522 178 31058	8
4.	Washer Brass	2522 600 10018	16
5.	Ribbon Cable with micro 20P	4008 105 04030	1
6.	Distance Piece M3	4008 107 36490	8
7.	SDI Signal/Pattern Gen. 2 Assy	4008 109 84810	1

The system is “plug and play” meaning that when the unit is mounted no configuration is needed in order to enable the PT 8633.
However, to ensure proper correspondence between physical outputs on the rear plate and the output description shown in the display, the unit has to be installed in the right positions and connected correspondingly.

Two PT 8633 can be installed at the same time in the PT 5230 as outputs 2 and 5.

If only one PT 8633 is installed, it has to be installed as output 2.

When both a PT 8633 and a PT 8631 is to be installed, output 5 is also valid



Rearplate lay out

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Installation procedure

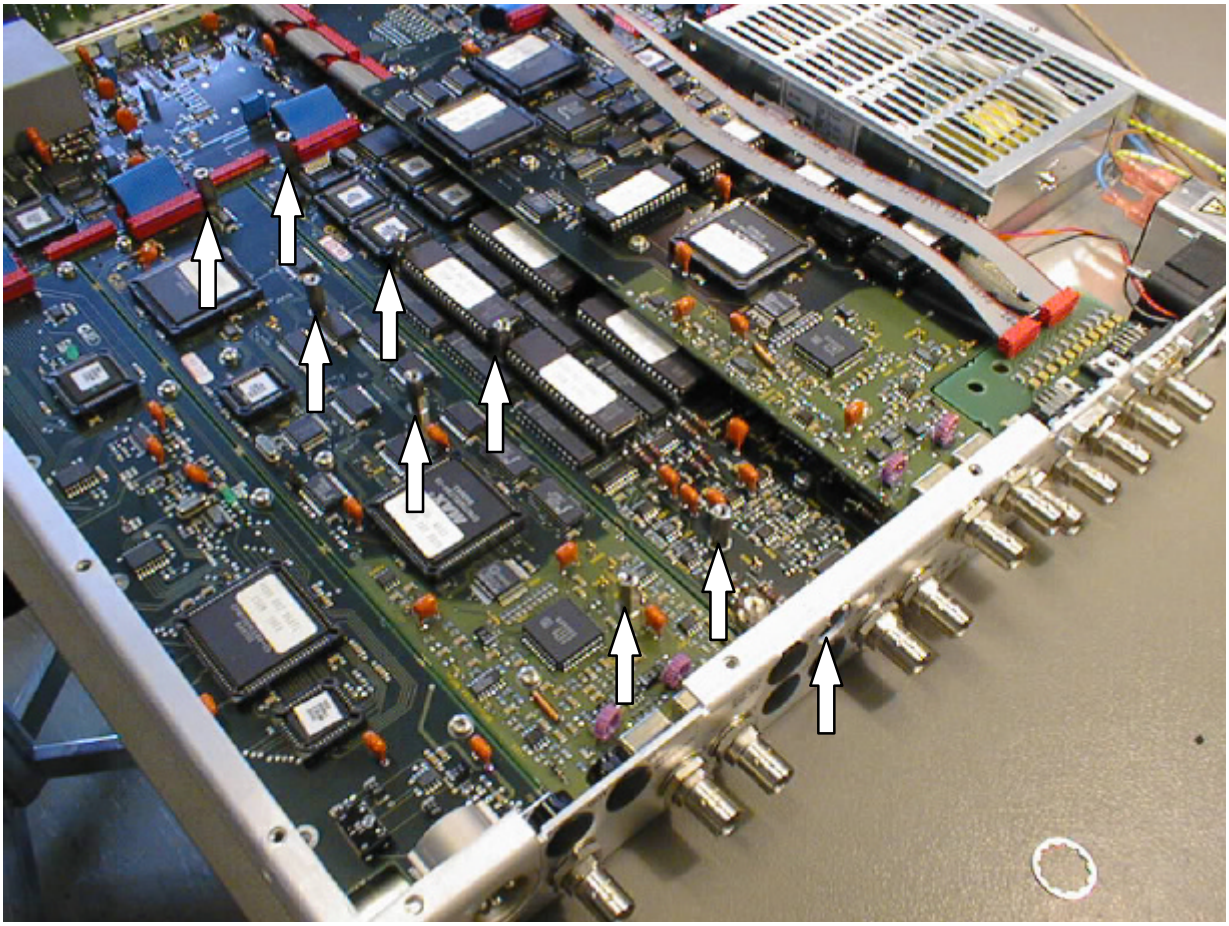
1. Open the PT 5230 by removing the top cover.
2. Remove the plastic blinds from the back panel for the BNC connectors.
3. If any PCB's are installed in the lower level below the position for the PT 8633 remove the screws where the hexagonal spacers are to be installed. 4 or 8 screws have to be removed depending upon how many modules are installed below the position for the PT 8633. Keep the screws. (Picture 1). Installation of units in bottom position.
4. Install the 8 hexagonal spacers in the studs in the main frame. The hexagonal spacers which are not going through any PCB should have two brass washers placed between the stud and the spacer. Do not overtighten the spacers. (Picture 2)

If two PT 8633's or one PT 8633 plus PT8631 is to be installed, the first unit is positioned directly on top of the integral spacers in the cabinet.

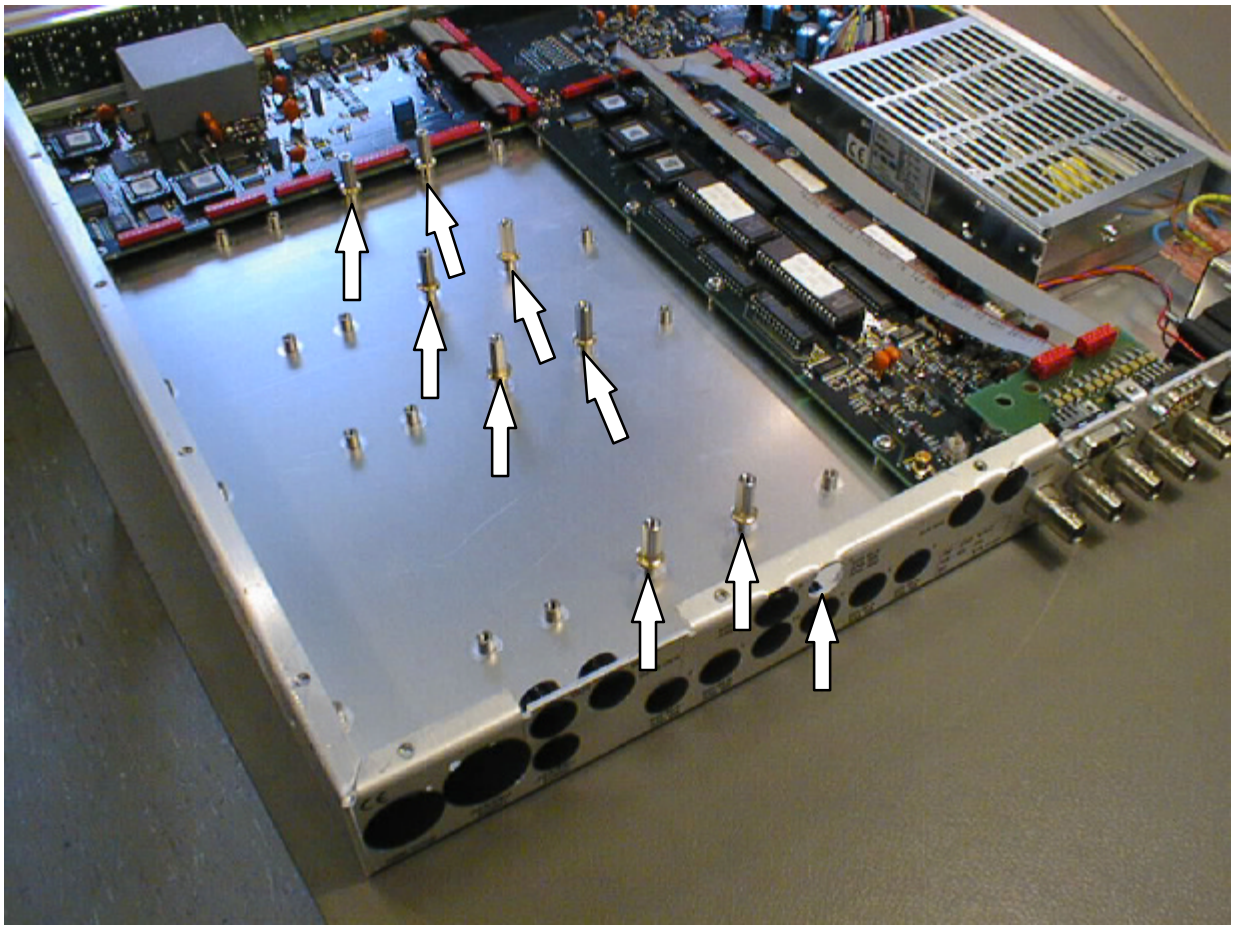
5. Place the PCB board on the spacers with the connectors through the back of the generator.
6. Mount the lock washers and nuts on the BNC connectors, do not tighten.
7. Mount the 8 screws into the spacers, do not tighten.
8. Tighten the nut on the BNC connectors.
9. Tighten the 8 screws fixing the PCB to the hexagonal spacers.
10. Mount the ribbon cable from the PT 8633 printed circuit board to the PT 5230 main board
    - One PT 8633 alone or with PT8639 in the bottom position (Picture 4).
    - Two PT 8633 or PT 8631 (Picture 5)

    Observe that the cable is correctly turned. A guide pin in one end of the connector should fit into a hole in the PCB.
11. Mount the top cover on the PT 5230.
12. Turn on power, and observe that the menu includes the SDI Test Pattern Generator.
13. Place the option type plate on the side of the generator in order to make later identification possible

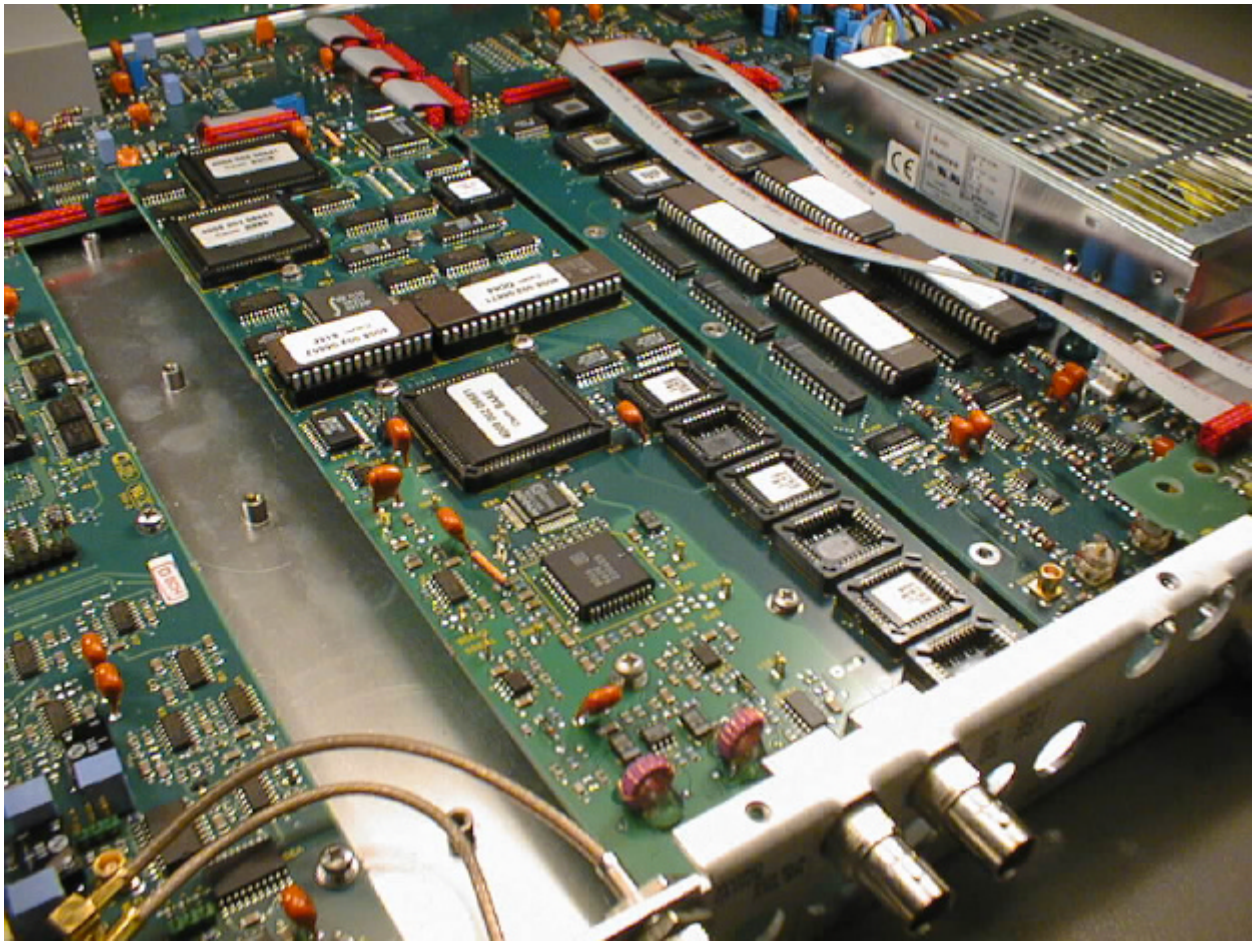
Note: If any unit were installed in the level below the PT 8633, either 4 or 8 screws will be left after the installation.



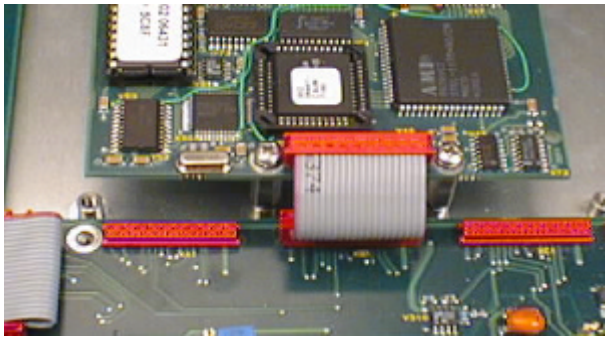
Picture 1: The positioning of the hexagonal spacers in an instrument where the lower space is in use. In those cases where the lower level space is used for other PCB's the brass washers are not required. If only one of the lower level positions is occupied, brass washers are still required on the hexagonal spacers not going through any PCB.



Picture 2: The positioning of the hexagonal spacers in an instrument when the lower level space is empty. Note the two brass washers below each of the spacers. These washers are required when no PCB boards are installed in the lower level only.



Picture 3: The installed PT 8633.



Picture 4: Detail of cable connection:
One Test Pattern Generator (PT 8631 or PT 8633).

Picture 5: Detail of cable connection:
Two Test Pattern Generators (PT 8631 or PT 8633).