

# Instructions



**050-2953-08 and above**  
**VITS Inserter Ckt Bd (A1A1) Replacement**  
**VITS201 PAL Insertion Generator (Opt 15)**  
**075-0283-01**

## **Warning**

The servicing instructions are for use by qualified personnel only. To avoid personal injury, do not perform any servicing unless you are qualified to do so. Refer to all safety summaries prior to performing service.

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## **Contacting Tektronix**

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For product information, sales, service, and technical support:

- In North America, call 1-800-833-9200.
- Worldwide, visit [www.tektronix.com](http://www.tektronix.com) to find contacts in your area.

# Service Safety Summary

Only qualified personnel should perform service procedures. Read this *Service Safety Summary* and the safety summaries in your product manual before performing any service procedures.

**Do Not Service Alone.** Do not perform internal service or adjustments of this product unless another person capable of rendering first aid and resuscitation is present.

**Disconnect Power.** To avoid electric shock, switch off the instrument power, then disconnect the power cord from the main power.

**Use Care When Servicing With Power On.** Dangerous voltages or currents may exist in this product. Disconnect power, remove battery (if applicable), and disconnect test leads before removing protective panels, soldering, or replacing components.

To avoid electric shock, do not touch exposed connections.



# Kit Description

The VITS Inserter circuit board included in this kit replaces all earlier versions which are no longer available. A new Programming Instruction label is supplied that reflects the version 2.0 firmware resident on the new circuit board. Refer to the new *VITS201 PAL Insertion Generator Instruction Manual* for details. For servicing information affecting areas not related to the VITS Inserter circuit board use your old instruction manual.

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## Instruments

VITS201 Opt 15      B040337 – B051176

## Kits Parts List

Circuit/figure number	Quantity	Part number	Description
A1A1	1 EA	671-3776-XX	CIRCUIT BD ASSY:PAL VITS INSERTER
	1 EA	334-8170-XX	LABEL:MARKED COMP SYNC
	1 EA	334-7880-XX	LABEL, PROGRAMMING INSTRUCTION
	1 EA	070-7385-XX	MANU AL,TECH:VITS201
	1 EA	075-0283-01	INSTRUCTION, KIT: 050-2953-XX, VITS201
	1 EA	NS	LABEL, IDENT:2.0
	1 EA	NS	LABEL, IDENT:050-2953-XX

NS - Not Saleable



# Installation Instructions

These instructions are for personnel who are familiar with servicing the product. If you need further details for disassembling or reassembling the product, refer to the appropriate product manual. Contact your nearest Tektronix, Inc., Service Center or Tektronix Factory Service for installation assistance.



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**CAUTION.** To prevent static discharge damage, service the instrument only in a static-free environment. Observe standard handling precautions for static-sensitive devices while installing this kit. Always wear a grounded wrist strap, grounded foot strap, and static resistant apparel while installing this kit.

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**WARNING.** To avoid electric shock, switch off the instrument power, then disconnect the power cord from the mains power. Failure to do so can cause injury or death.

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## Replace the VITS Inserter Circuit Board

1. Remove the top cover.
2. Remove the VITS Inserter circuit board as follows:
  - a. Remove the front panel/frame from the instrument. Press (in the direction of the center of the front panel) on the front panel latch handles to disengage the latching mechanism then, with firm pressure, pull out evenly (on the latch handles). Set aside the front panel/frame.
  - b. Disconnect the power and remote control ribbon cables.
  - c. Remove the hardware attaching the BNC connectors to the rear panel.
  - d. Remove the circuit board attaching screws and standoff posts.
  - e. Remove the VITS Inserter circuit board (A1A1) from the instrument.
  - f. Install the new VITS Inserter circuit board reversing the removal procedure.

## Instrument Serial Numbers B010100 - B039999 Only

1. Affix the label marked COMP SYNC, provided in the kit, over the rear panel nomenclature EXTERNAL 5.

**Reassembly and  
Miscellaneous**

1. Reassemble the instrument reversing the disassembly procedure. Apply the new Programming Instructions label over the existing Programming Instructions label.
2. Verify instrument performance. Verify correct jumper positions for your application. Refer to the *VITS201 PAL Insertion Generator Instruction Manual* for more information.
3. Apply the label marked 2.0 over the existing firmware version label. The label is located on the right frame rail near the front of the instrument.
4. Affix the identification label marked 050-2953-XX to the rear panel to indicate this kit has been installed.

❏ **End of document** ❏