



**SPG8000A, SPG8000, and SPG700
Option SDI Bracket
Installation Instructions**

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Service safety summary

The *Service safety summary* section contains additional information required to safely perform service on the product. Only qualified personnel should perform service procedures. Read this *Service safety summary* before performing any service procedures.

To avoid electric shock. Do not touch exposed connections.

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 product power and disconnect the power cord from the mains power before removing any covers or panels, or opening the case for servicing.

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.

Verify safety after repair. Always recheck ground continuity and mains dielectric strength after performing a repair.

Installation description

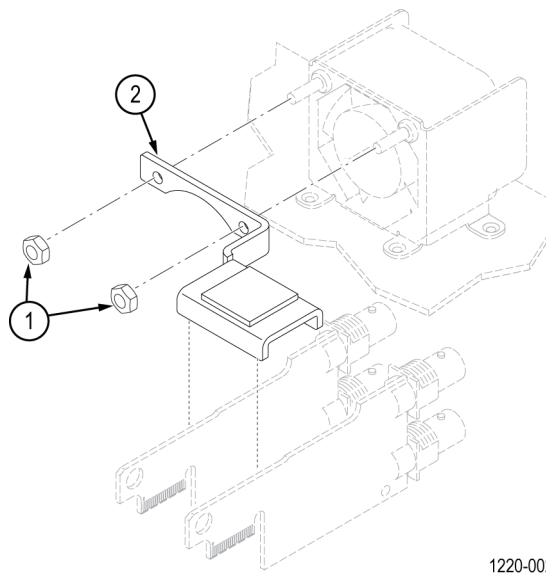
This document contains installation instructions for adding a retaining bracket to secure the Option SDI output boards in the following instruments:

- SPG8000A Master Sync / Clock Reference Generator
- SPG8000 Master Sync / Clock Reference Generator
- SPG700 Multiformat Reference Sync Generator

Parts list

The following table lists the parts that are needed for installation.

Index No.	Quantity	Part Number	Description
1	2	220-A095-XX	NUT, PLAIN, HEX: M3, STL, NI PL, W/EXT TOOHED WASHER
2	1	407-6120-XX	BRACKET PCB, HOLD DOWN



1220-002

Figure 1: Installation parts diagram

Installation instructions

These instructions are for personnel who are familiar with servicing the product. Contact your nearest Tektronix, Inc., Service Center or Tektronix Factory Service for installation assistance.



WARNING. *Dangerous voltages may be present. To prevent electrical shock, disconnect the power cord from the unit before starting the installation procedure. Failure to do so could cause serious injury or death.*



CAUTION. *Many components within the instrument are susceptible to static-static discharge damage. To prevent static discharge damage, service the product 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.*

Recommended tool list

Table 1: Recommended tool list

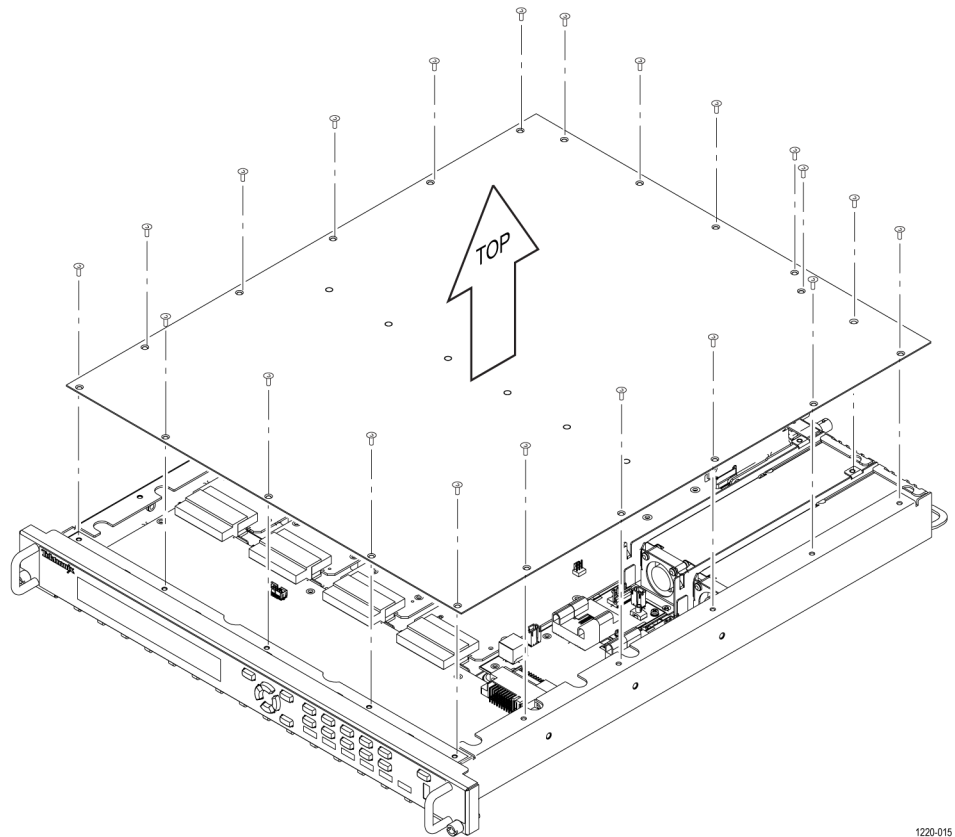
Name	Description
Screwdriver handle	Accepts Phillips-driver bits.
#1 and #2 Phillips tips	Phillips-driver bits for #1 and #2 size screw heads.
Nut driver, 7/32" (5.5 mm)	Wrench or deep nut driver, to remove nuts from bracket securing the SDI output modules.

Option SDI bracket installation

Complete the following steps to secure the Option SDI output boards in the instrument:

NOTE. *The steps apply to the SPG8000A, SPG8000, and SPG700, but images from the SPG8000A are used to illustrate each step.*

1. Set the instrument so that the bottom is down on the work surface and the rear is facing you.
2. Remove the top cover as follows:
 - a. Use a screwdriver with a #1 Phillips tip or #2 Phillips tip (depending on your unit) to remove the 22 screws securing the top cover to the instrument.
 - b. Lift the top cover off the chassis.



1220-015

Figure 2: Removing the top cover

3. Push down on the SDI output cards to make sure they are fully engaged with the connectors.

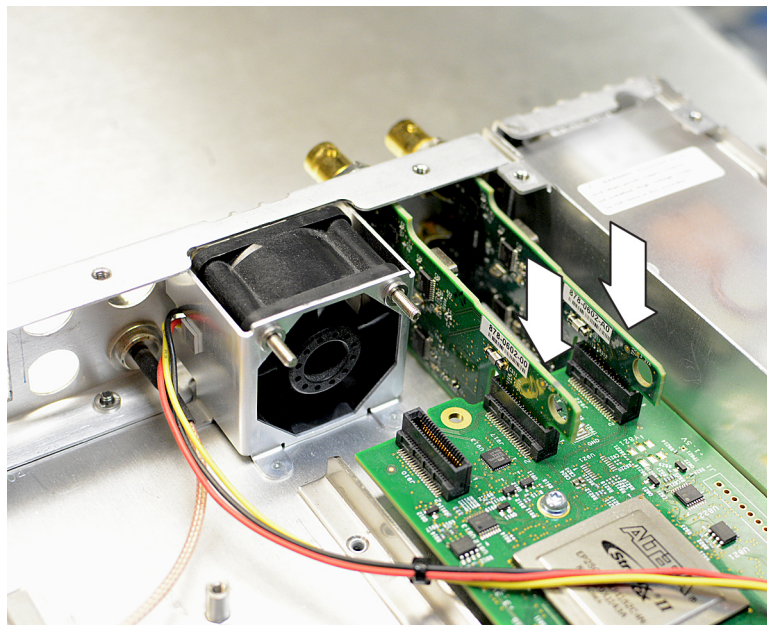


Figure 3: Fully engage SDI output cards

4. Place the bracket on to the two extended screws on the chassis fan.

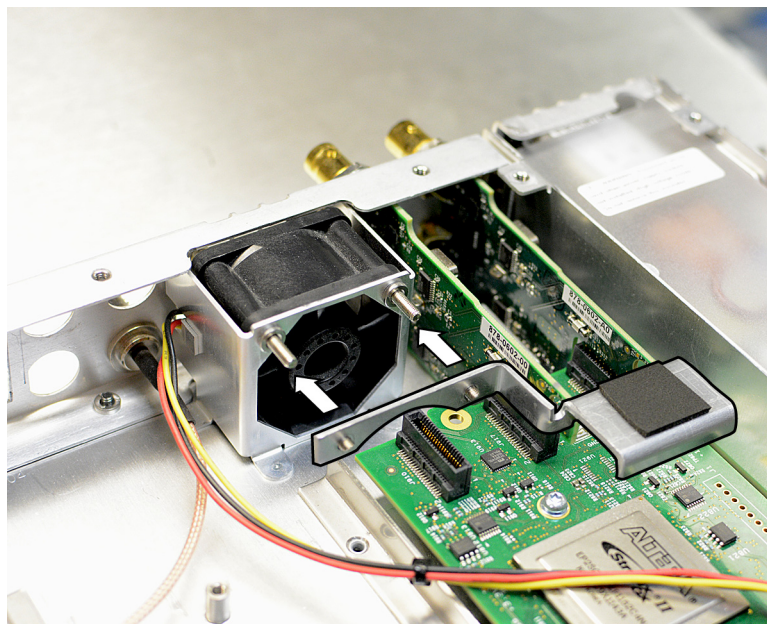


Figure 4: Place the bracket on the fan screws

5. Install the two nuts securing the bracket to the chassis fan screws using a 7/32 inch (5.5 mm) nut driver. Torque the nuts to 5 in/lbs.

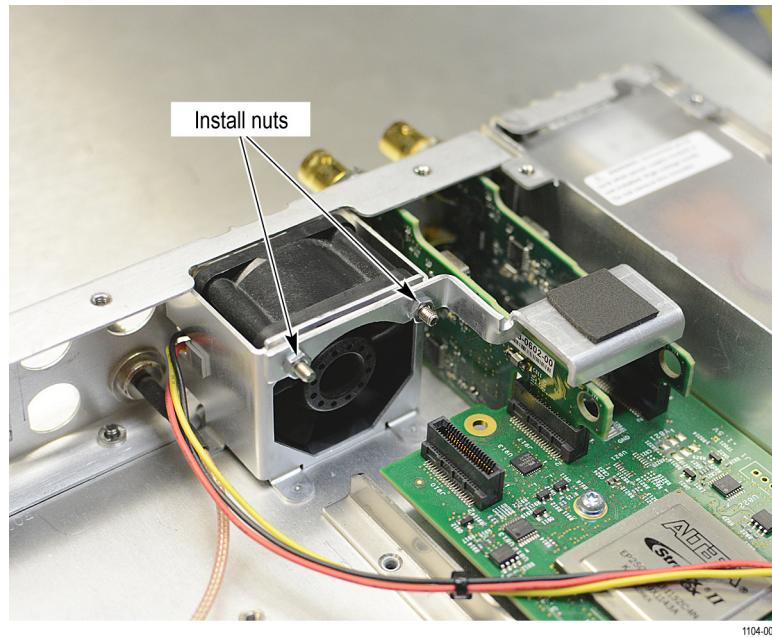


Figure 5: Install the nuts on the bracket

6. Reinstall the top cover. Torque the cover screws to 5.5 in/lbs.