VT143x Option 1D4 Installation Kit

This kit contains the following items necessary to install Option 1D4, Arbitrary Source, into a VT1432A, VT1433B, or a VT1434A.

Part Number	Description	Quantity
0380-4041	STDF-HXMF M3.0	5
8120-5606	CBL-ASM Coax Cable	1
8120-6766	CBL-ASM CXL, W/FE	2
E1432-44302	Label, Front Panel SMB	1
E1432-66541	PC Assy-Opt. AYF	1
E1432-90006	Installation Note	1
43-0047-000	Label, 1D4 Option	1

VXI
Technology

To Install the Hardware

This procedure installs option 1D4 Arbitrary Source assembly and cables into the the VT143x module.

Warning

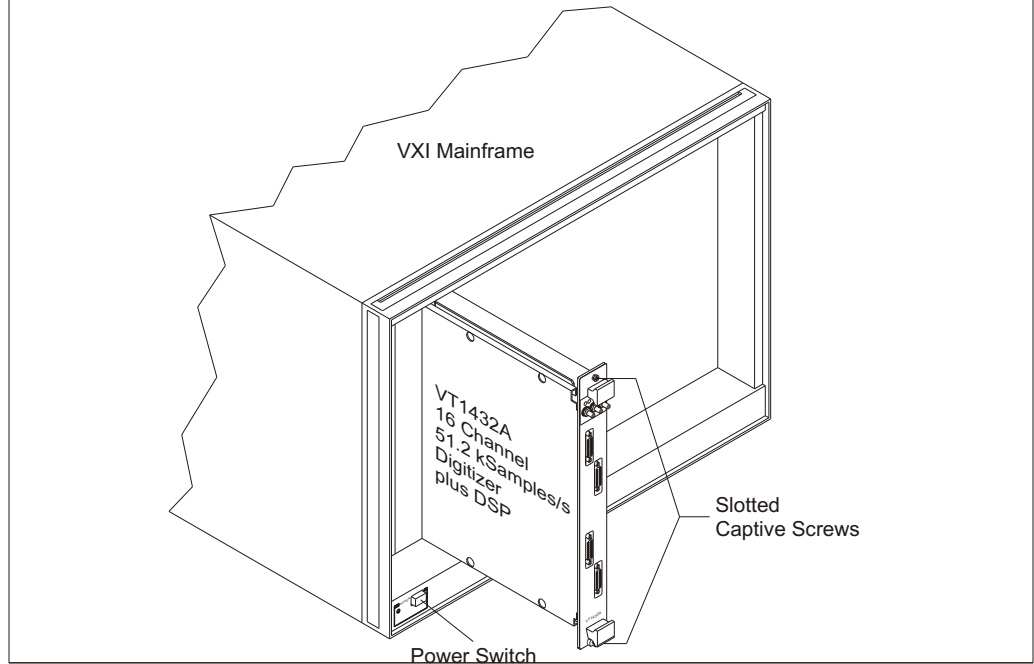**This installation should only be performed by an authorized Service Technician.**

Removing or installing the module with the power on may damage components in the module.

Even with power removed, there can be sufficient stored energy in some circuits to cause personal injury. These voltages will discharge to a relatively safe level approximately five minutes after the power cord is disconnected.
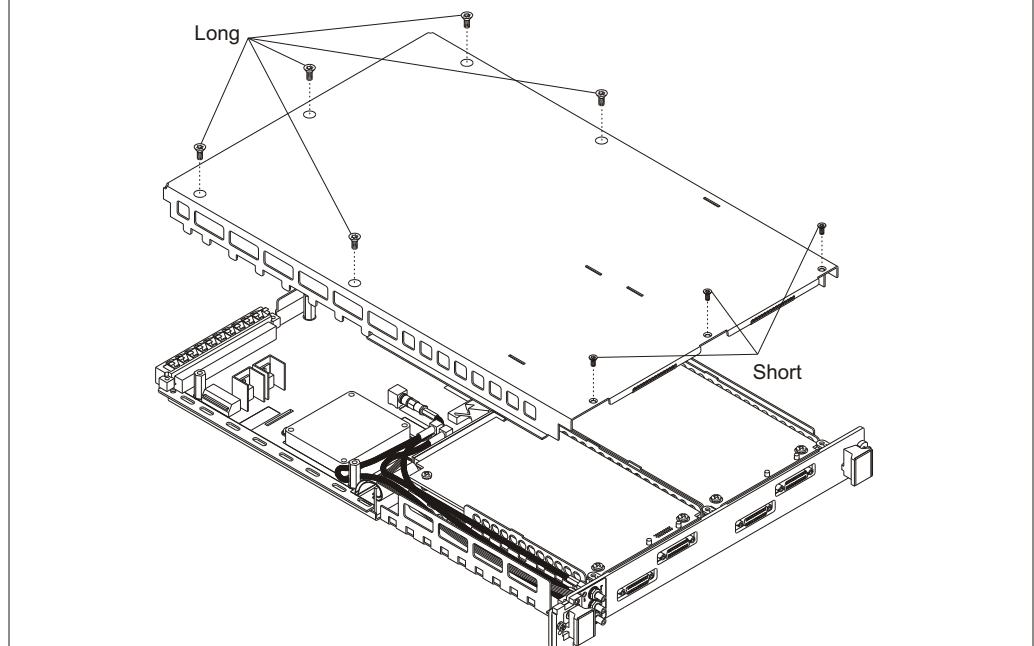
Caution

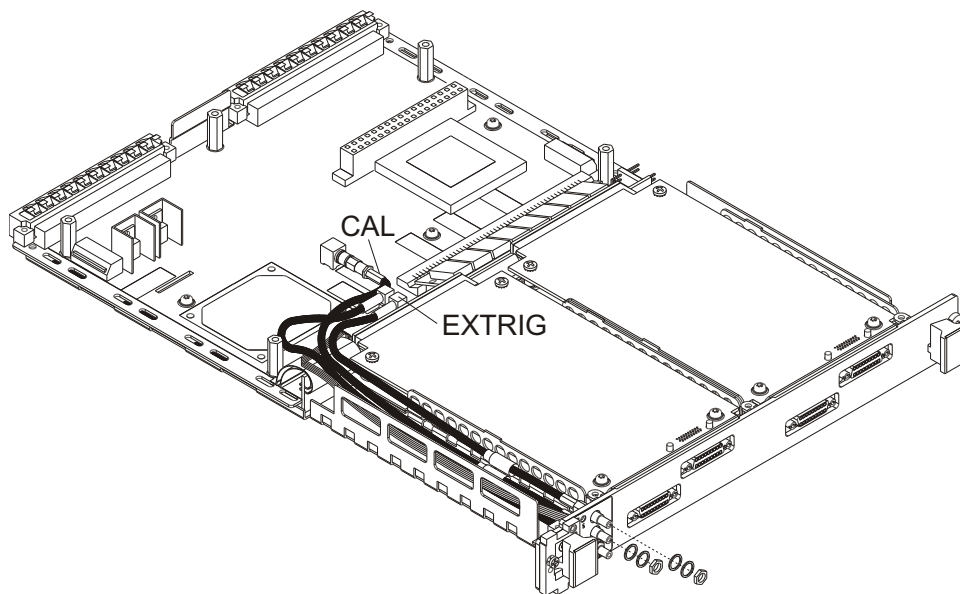To protect circuits from static discharge, remove or replace assemblies only at static-protected work stations.

1   Set the mainframe's power switch to standby. Loosen the slotted captive
screws until the module is free to remove from the mainframe. Gently pull the
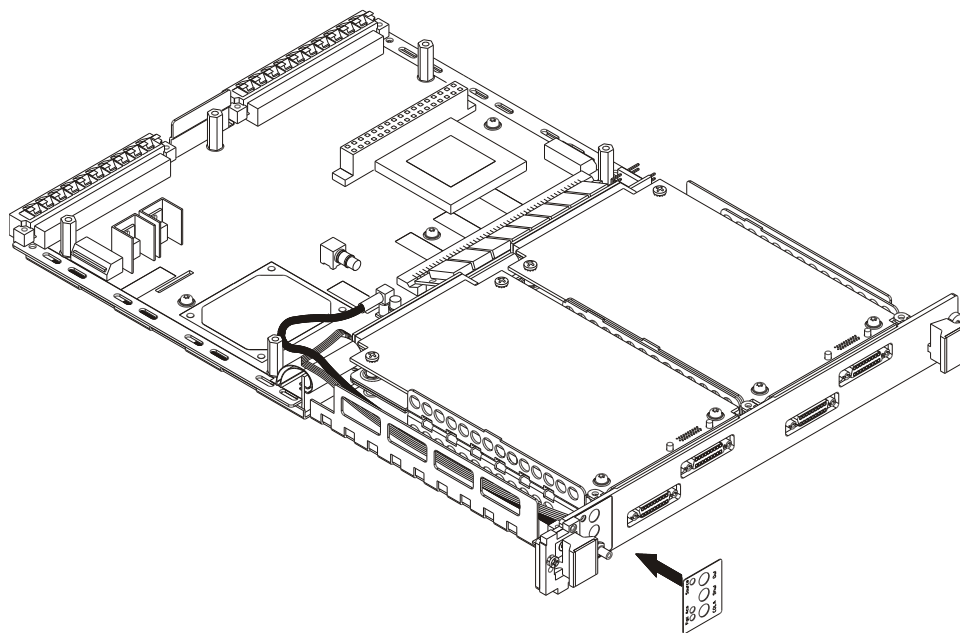handles removing the module from the mainframe.

VXI Mainframe

VT1432A
16 Channel
51.2 kSamples/s
Digitizer
plus DSP

Slotted
Captive Screws

Power Switch

2   Remove the five long screws using a T-10 Torx driver and remove the three
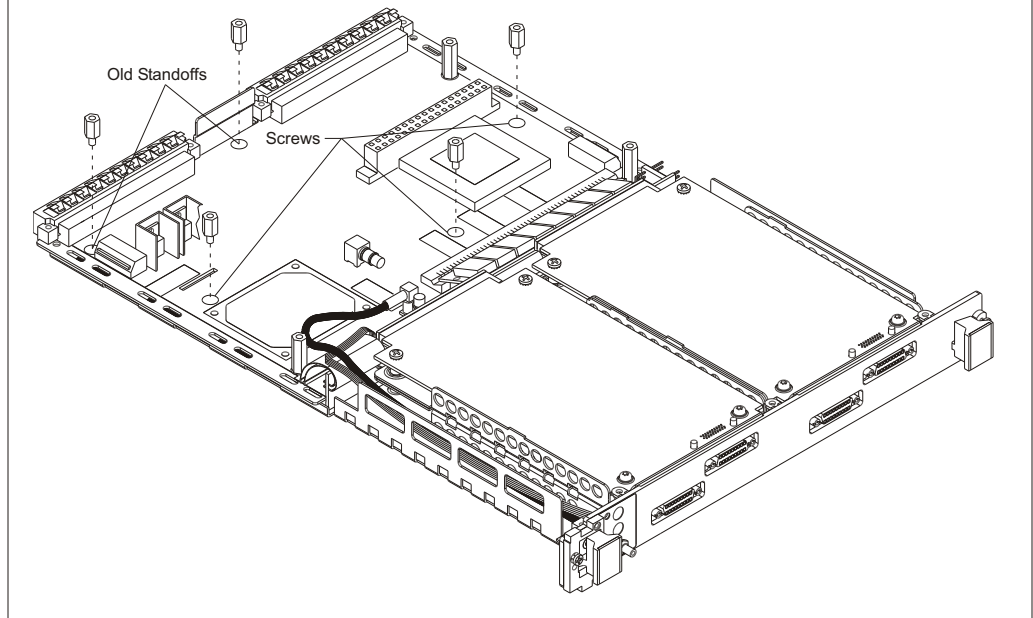short screws using a T-8 Torx driver. Lift cover off. **Save all hardware.**

Long

Short

3   Remove the nuts that fasten the ExTrig and Cal cables to the front panel using a 1/4 inch nut driver. Remove cables from the module. **Save all hardware.**
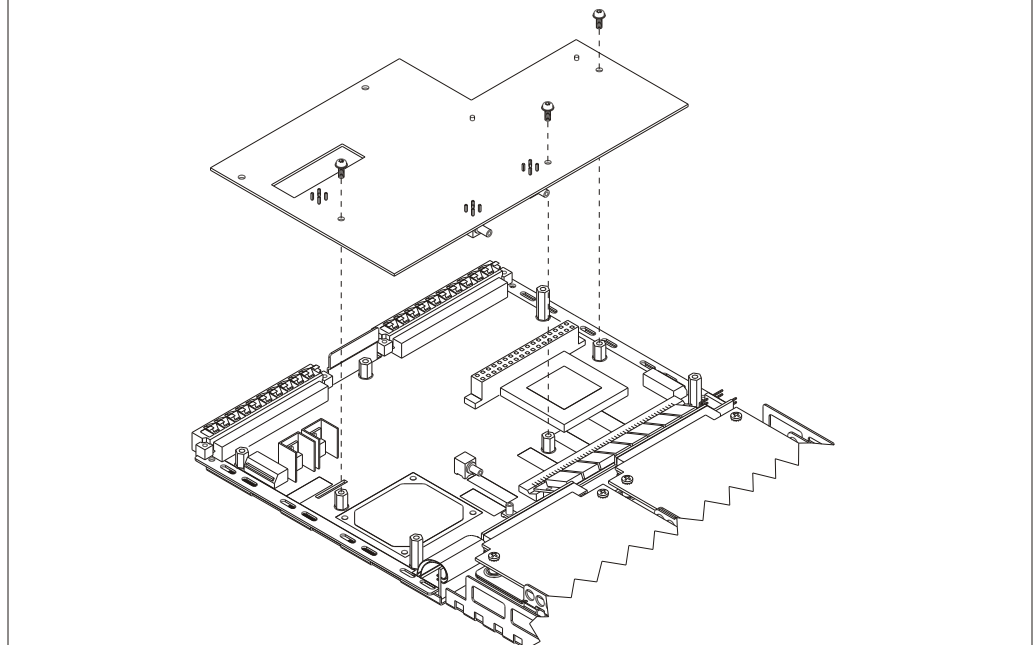
CAL

EXTRIG

4   Remove the old label. Remove the tape backing and place the new label (E1432-44302) on the front panel as shown.
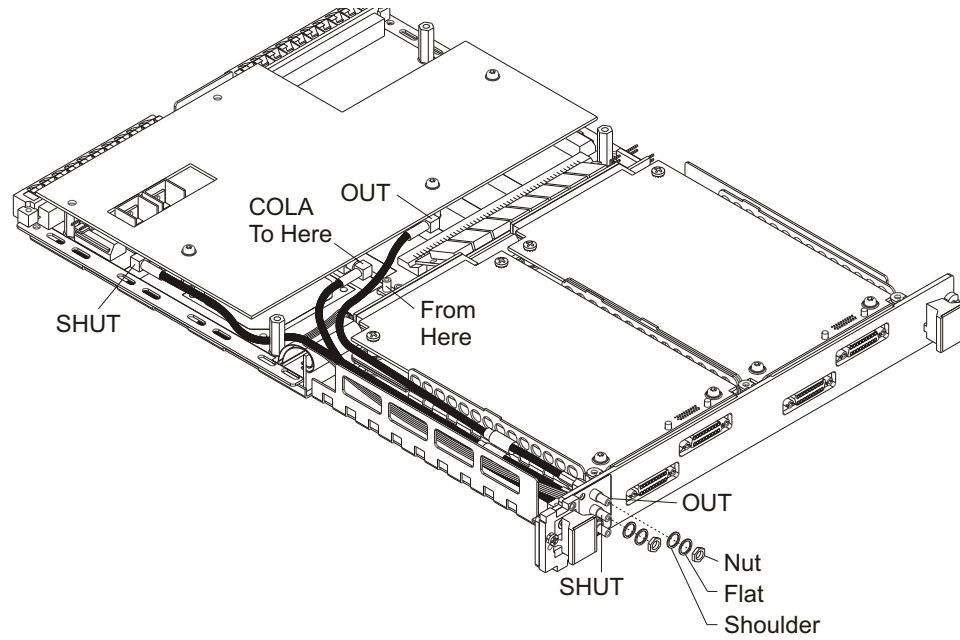
5   Using a 1/4 inch nut driver and a T-10 Torx driver, remove the three screws and the two standoffs and replace them with the five new standoffs (0380-4041) as shown in illustration below. **Save Screws.**
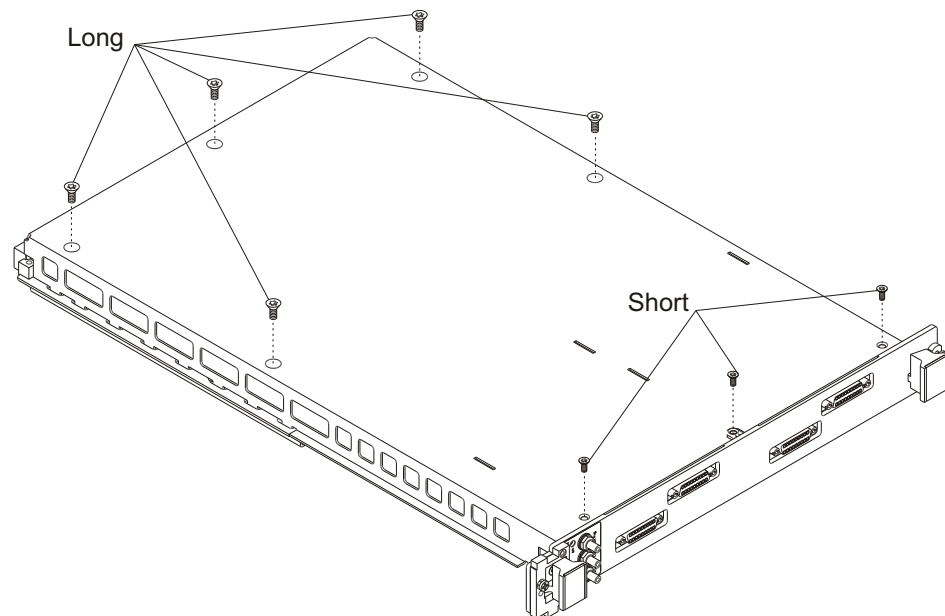
Old Standoffs

Screws

6   Using a T-10 Torx driver and the three screws saved from **Step 5**, attach the E1432-66541 assembly to the module.

7   Move the COLA cable as shown in the illustration. Attach the two cables
(8120-6766) to the PC assembly, then route to the front panel. Attach cables to the
front panel using a 1/4 inch nut driver.

COLA
To Here

OUT

From
Here

SHUT

OUT

Nut

Flat

Shoulder

SHUT

8   Place top cover back on module. Using the hardware saved from **Step 2**,
fasten the top cover with five long screws using a T-10 Torx driver and three short
screws using a T-8 Torx driver. Install the label on the cover to indicate the module
now contains the 1D4 option.

Long

Short

9   Place the module's card edges (top and bottom) into the module guides in the slot. Slide the module into the mainframe until the module connects firmly with the backplane connectors. Attach the module's front panel to the mainframe chassis using the module's captive mounting screws.

VXI Mainframe

VT1432A
16 Channel
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Slotted
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Power Switch