

These instructions are for experienced service providers only.

## About the Torque Screwdriver

The torque screwdriver (part number 560-2433) is:

- For installing UltraSPARC™ modules only
- Preset to 6 inch-pounds (resets with audible clicking)
- Accurate to within  $\pm 3\%$
- Rated for 1,000,000 operations
- Supplied with one 3/32-inch hex bit

## Installing UltraSPARC Modules

Screws on the UltraSPARC modules must be tightened to 6 inch-pounds. The torque screwdriver is set to this specification.

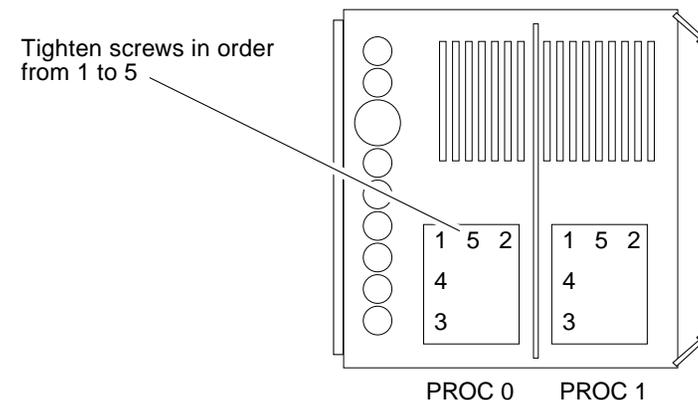
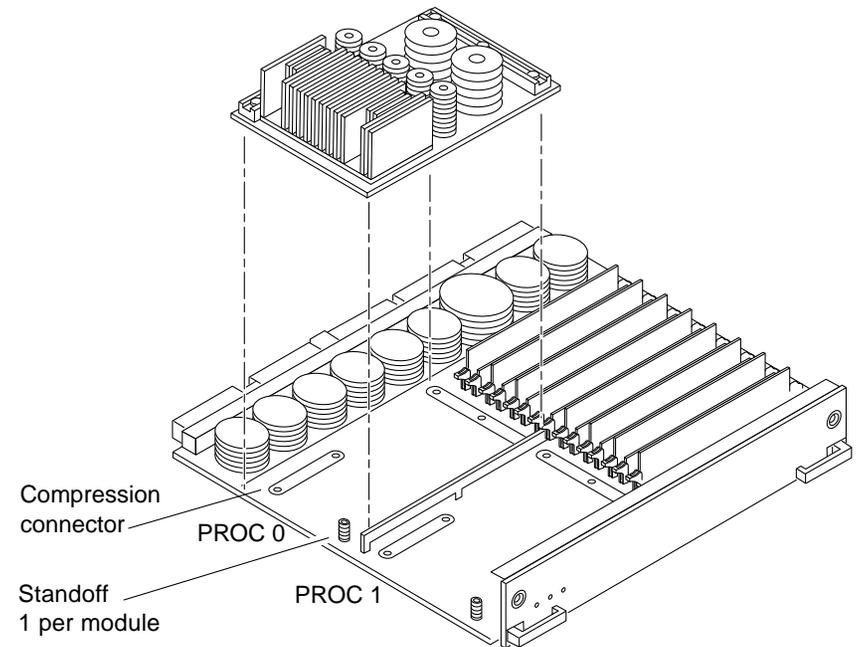
**Note** - To maximize UltraSPARC module performance, install the *first* (or *only*) module in location *PROC 0*. PROC 1 is for a second module.



**Caution** - Observe all static safety rules.

- 1. Inspect the UltraSPARC module for dust on the connectors.**  
If necessary, *gently* clean the connectors with the dry, stiff toothbrush supplied.
- 2. Inspect the board module mating surfaces.**  
If the surface requires cleaning, use the dry, stiff toothbrush.
- 3. Holding the module by the edges, align the hole in the module with the standoff on the board, and align the screws with the board compression connectors.**
- 4. Firmly but gently press the module straight down until the standoff post snaps into place and the module connectors are fully seated.**
- 5. Use the torque screwdriver to *partially tighten* the five 3/32 hex screws in the tightening sequence shown in the adjacent diagram.**  
IMPORTANT: *In order*, beginning with screw 1 (as designated in the diagram), *partially tighten* the screws just until they touch the compression connectors.

- 6. Finish the module installation by tightening *all* the screws to 6 inch-pounds in the same tightening sequence.**



---

## Accessing Sun Documentation Online

The docs.sun.com<sup>sm</sup> web site enables you to access Sun technical documentation on the Web. You can browse the docs.sun.com archive or search for a specific book title or subject at:

<http://docs.sun.com>

## Sun Welcomes Your Comments

We are interested in improving our documentation and welcome your comments and suggestions. You can email your comments to us at:

[docfeedback@sun.com](mailto:docfeedback@sun.com)

Please include the part number (805-2634-11) of the document in the subject line of your email.

Copyright 1999 Sun Microsystems, Inc. All rights reserved. Use is subject to license terms. Third-party software, including font technology, is copyrighted and licensed from Sun suppliers. Sun, Sun Microsystems, the Sun Logo, AnswerBook2, docs.sun.com, and Solaris are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. in the U.S. and other countries. RESTRICTED RIGHTS: Use, duplication, or disclosure by the U.S. Government is subject to restrictions of FAR 52.227-14(g)(2)(6/87) and FAR 52.227-19(6/87), or DFAR 252.227-7015(b)(6/95) and DFAR 227.7202-3(a).

Copyright 1999 Sun Microsystems, Inc. Tous droits réservés. Distribué par des licences qui en restreignent l'utilisation. Le logiciel détenu par des tiers, et qui comprend la technologie relative aux polices de caractères, est protégé par un copyright et licencié par des fournisseurs de Sun. Sun, Sun Microsystems, le logo Sun, AnswerBook2, docs.sun.com, et Solaris sont des marques de fabrique ou des marques déposées de Sun Microsystems, Inc. aux Etats-Unis et dans d'autres pays. Toutes les marques SPARC sont utilisées sous licence et sont des marques de fabrique ou des marques déposées de SPARC International, Inc. aux Etats-Unis et dans d'autres pays.

 Please recycle Sun Microsystems, Inc. • 901 San Antonio Road • Palo Alto, CA 94303-4900  
USA • 650 960-1300 • Fax 650 969-9131



Part Number: 805-2634-11  
Revision A of October 1999



---

# *Sun™ Torque Screwdriver for UltraSPARC™ Module Installation*

*for Sun Enterprise 3x00, 4x00, 5x00,  
and 6x00 Systems*

