

# Installing the Modified Cable/Coupler for the Sun™ Dual Gigabit Ethernet or Quad GigaSwift Ethernet Adapter

Mechanical interference problems may exist on some platforms with the RJ-45 connectors used on the current X4422A (501-6635-04) and the X4444A (501-6522-06) adapter cards. This interference can prevent the tab of an Ethernet cable inserted into these connectors from latching completely. While the initial connection may be sufficient for the functional operation of the ports, the lack of a positive mechanical latching of the cable into the connector can lead to a future loss of Ethernet connectivity. This problem was noted primarily on the following systems:

- Sun Fire™ V20z, v240, v440
- Sun Fire v880, F4800, F6800, E4900, E6900, F12K, F15K, E20K, E25K, N240, N440

Sun Microsystems is currently shipping replacement board designs (501-6635-05 and 501-6522-07) that resolve this mechanical problem. For applications using the old cards, Sun provides a kit containing the modified cable and coupler described as follows:

- 12" Cat-5 Ethernet cable, modified on both ends with a shortened locking tab
- Female-to-female Cat-5 RJ-45 Ethernet coupler

Use one modified cable and coupler for each Ethernet port affected by this problem.

**Note** – Kits containing a modified cable and an Ethernet coupler are available. You can order kits from Sun Microsystems under Sun Part Number 530-3336-01. You may need up to four kits for each Sun Quad GigaSwift Ethernet adapter. You may need up to two kits for each Sun Dual Gigabit Ethernet and Dual SCSI/P adapter.

1. After installing the adapter in the system, install the 12" cable into one end of the RJ-45 coupler.



**Caution** – Once the modified cable is installed, removal is difficult. See removal instructions following.

2. Insert the other connector of the 12" cable into the Ethernet connector port on the targeted PCI card.  
If you don't hear a definite click when you insert the cable, remove the PCI card from the system to install the cable adapter.
3. Once the card is removed (or popped out of PCI connector on the Sun Fire F12K, F15K, E20K, or E25K cassette), insert the cable adapter through the PCI opening in the chassis or I/O cassette frame and insert the connector into the targeted Ethernet port.

## ▼ To Remove the Modified Cable

1. Remove PCI card from system (or pop card out of PCI connector on Sun Fire F12K, F15K, E20K, or E25K cassette).
2. Using a small flat-blade screwdriver, depress shortened tab in RJ-45 connector until the cable latch disengages and remove cable.

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