



# Front Panel Adapter Kit Quick Installation Guide

For the CoreBuilder® 9000 36-port 10/100BASE-TX Fast Ethernet  
Layer 2 Switching Modules

This guide includes information about and procedures for installing the items in the Front Panel Adapter Kit on CoreBuilder® 9000 36-port 10/100BASE-TX Layer 2 Switching Modules.

## Contents of the Adapter Kit

The content of the Front Panel Adapter Kit varies, depending on the module to which it applies:

- The kit for a 36-port RJ-45 switching module (Model Number 3CB9LF36R) includes the following items:
  - One metal bracket
  - Four Phillips-head screws (for use with the bracket)
  - One thin, rubber-like gasket
- The kit for a 36-port Telco switching module (Model Number 3CB9LF36T) includes one thin, rubber-like gasket.

If any item is missing, contact your supplier or 3Com. For worldwide 3Com contact numbers, see the *CoreBuilder 9000 Release Notes* document that was included in the module shipping box or visit the 3Com Web site: [www.3com.com](http://www.3com.com)

**Purpose of the Bracket**

After it is installed on the 36-port RJ-45 switching module (3CB9LF36R), the bracket performs two main functions:

- It provides surface pressure against an adjacent module so that you can more easily install and correctly align the module in its slot.
- It helps to protect a thin gasket on the module by minimizing the contact that the gasket makes with adjacent modules.

**Purpose of the Gasket**

The gasket in this kit replaces the existing gasket on either 36-port switching module (3CB9LF36R or 3CB9LF36T). The gasket provides a seal between installed modules to prevent electromagnetic energy from escaping from the chassis and interfering with nearby equipment.

The existing gasket on both 36-port switching modules (3CB9LF36R and 3CB9LF36T) can interfere with module installation and removal when adjacent slots have modules installed. The replacement gasket has a smaller profile and eliminates these problems.

**Who May Install the Adapter Kit Items**

This guide is intended for *trained technical personnel* who are responsible for installing and managing the network equipment.

See “Safety Precautions” and “Handling Precautions” next in this guide for important notices.

## Safety Precautions

When you handle components in a CoreBuilder 9000 system, be sure that you follow all safety precautions and handling precautions to avoid electric shocks, burns, or equipment damage.



**WARNING:** Do not attempt to install or remove CoreBuilder 9000 switching modules or this front panel adapter kit if you have not received the proper training from 3Com. For training information, contact your network supplier or 3Com. For worldwide 3Com contact numbers, see the Technical Support appendix in the CoreBuilder 9000 Enterprise Switch Getting Started Guide or visit the 3Com Web site: [www.3com.com](http://www.3com.com).



**WARNING:** Hazardous energy exists within the CoreBuilder 9000 system. Use extreme caution when you install or remove a module. When the system is on:

- Never insert metal objects such as a screwdriver or a finger with jewelry into open module slots.
- Do not touch any connections within the chassis with your hands or fingers.
- Do not insert metal objects into the backplane area.

**Handling Precautions** To avoid equipment damage, follow these precautions when you handle any CoreBuilder 9000 module:

- Always handle the module by its front panel only.
- Do not touch the components, pins, leads, or solder connections on the module circuit board.
- Wear an electrostatic discharge (ESD) wrist strap (not provided).

#### **ESD Prevention Information**

ESD, which occurs when a CoreBuilder 9000 module is improperly handled, can damage components on the module and cause complete or intermittent failures.

To prevent ESD from damaging the module, wear an ESD wrist strap when you handle the module. Ensure that the strap makes good skin contact and that it is grounded to either the chassis or the earth.

#### **Installation Prerequisites**

To install the bracket, you need:

- A Phillips screwdriver
- An ESD wrist strap

To remove and replace the gasket, you need an ESD wrist strap.

**Installation Procedure** For a 36-port RJ-45 Layer 2 switching module (3CB9LF36R), begin at step 1 and continue through the entire procedure. On this module, you install the bracket and replace the gasket.

For a 36-port Telco Layer 2 switching module (3CB9LF36T), begin at step 6 and continue through the remaining steps. On this module, you only replace the gasket.

### **Installing the Bracket on the 36-port RJ-45 Switching Module**

To install the bracket on the RJ-45 switching module, follow these steps:

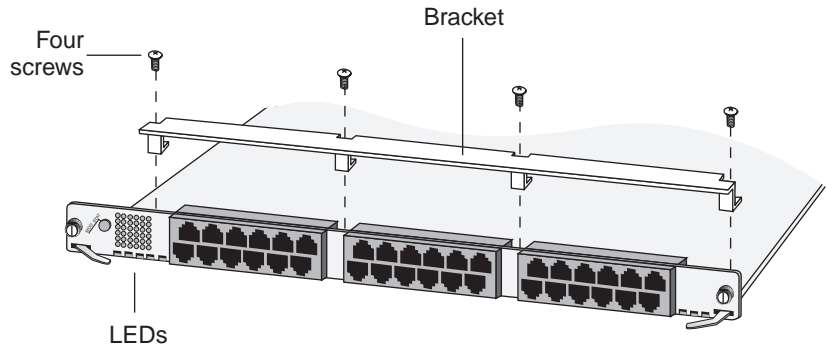
- 1** Remove the module from the CoreBuilder 9000 chassis and place it on a flat, antistatic surface with its LEDs on the left, as shown in Figure 1.
- 2** Remove and discard the four Phillips-head screws that attach the module front panel to the circuit board. (See Figure 1.)



**CAUTION:** *Do not pick up the module. With the screws removed, the front panel can separate from the circuit board during handling. If you drop the front panel or the circuit board, you can seriously damage it.*

- 3 Place the bracket on top of the module, as shown in Figure 1, and align the four holes in the bracket tabs with the holes on the circuit board and the front panel.

**Figure 1** Installing the Bracket on the RJ-45 Switching Module



- 4 Use the four screws from the kit to connect the bracket, circuit board, and front panel together.
  - 5 Lightly tighten each of the four screws. Then, fully tighten each screw using a torque specification of 3–5 inch-pounds.
- The bracket installation is complete.

### Replacing the Gasket on Both 36-port Switching Modules

To replace the gasket on a 36-port RJ-45 switching module or 36-port Telco switching module, continue with the remaining steps:



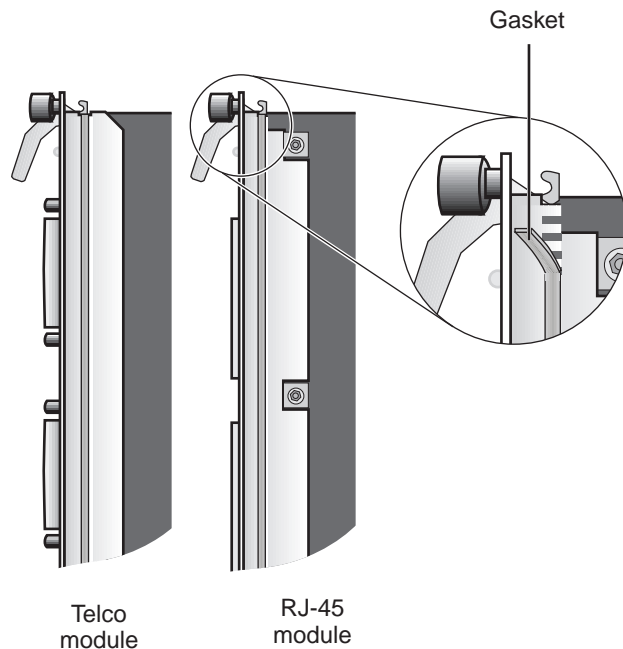
*The gasket is a long strip of rubber-like material on the side of the front panel. Before you remove the existing gasket, notice its position on the module so that you know where to install the replacement gasket. (See Figure 2.)*

- 6 With the module positioned as described in step 1 and shown in Figure 1, use your fingers to peel off the existing gasket and discard it.



**CAUTION:** Do not use a solvent to clean any adhesive material that remains on the module, because you risk damaging other components on the module.

**Figure 2** Locating the Gasket on Each 36-port Switching Module



- 7 To expose the adhesive on the new gasket, carefully remove the paper backing from the gasket.
- 8 Use both hands to hold the gasket (adhesive side down) *above* the module and align the new gasket with the left end of the front panel.  
To determine the correct location for the gasket, see Figure 2.



**CAUTION:** *Do not attach the new gasket to the module until you align the gasket properly. If you have to remove and reposition the new gasket, you may destroy its adhesive material.*

- 9 Attach a small portion of one end of the gasket to one end of the module. Continue attaching the gasket in the same direction until it is completely installed.  
No portion of the gasket should extend from either end of the module.
- 10 Run your finger back and forth across the entire gasket, applying pressure to ensure that the adhesive has made firm contact with the metal surface.  
The gasket installation is complete. You can reinstall the module into a CoreBuilder 9000 chassis.



*For module installation instructions, see the Quick Start Guide that was included in your module shipping box.*

# 3Com Corporation LIMITED WARRANTY

## Front Panel Adapter Kit for the CoreBuilder® 9000 36-port Layer 2 Switching Modules (Model Numbers 3CB9LF36R and 3CB9LF36T)

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### HARDWARE

3Com warrants this hardware product to be free from defects in workmanship and materials, under normal use and service, for the following length of time from the date of purchase from 3Com or its authorized reseller: One (1) year.

3Com's sole obligation under this express warranty shall be, at 3Com's option and expense, to repair the defective product or part, deliver to Customer an equivalent product or part to replace the defective item, or if neither of the two foregoing options is reasonably available, 3Com may, in its sole discretion, refund to Customer the purchase price paid for the defective product. All products that are replaced will become the property of 3Com. Replacement products may be new or reconditioned. 3Com warrants any replaced or repaired product or part for ninety (90) days from shipment, or the remainder of the initial warranty period, whichever is longer.

*Advance Replacement* is provided for ninety (90) days, after which time it may be available for a specified fee. 3Com will make commercially reasonable efforts to ship the replacement product not later than five (5) business days after receiving the request for advance replacement, but may be delayed due to product availability or export or import procedures. When an advance replacement is provided and Customer fails to return the original product to 3Com within fifteen (15) days after shipment of the replacement, 3Com will charge Customer for the replacement, at list price. This advance replacement is different from the fee-based Advance Hardware Replacement Service, which is available as a contracted service offering.

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In addition to the Hardware Warranty and Software Warranty stated above, 3Com warrants that each product sold or licensed to Customer on and after January 1, 1998, that is date sensitive will continue performing properly with regard to such date data on and after January 1, 2000, provided that all other products used by Customer in connection or combination with the 3Com product, including hardware, software, and firmware, accurately exchange date data with the 3Com product, with the exception of those products identified at 3Com's Web site, <http://www.3com.com/products/yr2000.html>, as not meeting this standard. If it appears that any product that is stated to meet this standard does not perform properly with regard to such date data on and after January 1, 2000, and Customer notifies 3Com before the later of April 1, 2000, or ninety (90) days after purchase of the product from 3Com or its authorized reseller, 3Com shall, at its option and expense, provide a software update which would effect the proper performance of such product, repair such product, deliver to Customer an equivalent product to replace such product, or if none of the foregoing is feasible, refund to Customer the purchase price paid for such product.

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*Telephone Support*, with coverage for basic troubleshooting only, will be provided for ninety (90) days, on a commercially reasonable efforts basis. Telephone support from 3Com is available from 3Com only if Customer purchased this product directly from 3Com, or if Customer's reseller is unable to provide telephone support. Please refer to the Technical Support appendix in the Getting Started guide for telephone numbers.

3Com's *Web and Bulletin Board Services* are available at no charge. They provide software and firmware upgrades, a bug list, and technical information about 3Com products.

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**GOVERNING LAW**

This Limited Warranty shall be governed by the laws of the State of California, U.S.A., excluding its conflicts of laws principles and excluding the United Nations Convention on Contracts for the International Sale of Goods.

**3Com Corporation** 5400 Bayfront Plaza, Santa Clara, CA 95054 (408) 326-5000

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## EMISSIONS COMPLIANCE STATEMENTS FOR CLASS A PRODUCTS

- Federal Communications Commission Notice This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
- Canadian Emissions Requirements This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations. Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.
- VCCI Class A Compliance

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This is a Class A product based on the standard of the Voluntary Control Council for Interference by Information Technology Equipment (VCCI). If this equipment is used in a domestic environment, radio disturbance may arise. When such trouble occurs, the user may be required to take corrective actions.

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## EMC DIRECTIVE STATEMENT

- EMC Directive Compliance This equipment was tested and found to conform to the Council Directive 89/336/EEC for electromagnetic compatibility. Conformity with this Directive is based upon compliance with the following harmonized standards:
- |            |                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------|
| EN 55022   | Limits and Methods of Measurement of Radio Interference                                                 |
| EN 50082-1 | Electromagnetic Compatibility Generic Immunity Standard:<br>Residential, Commercial, and Light Industry |

**Warning:** This is a Class A product. In a domestic environment, this product may cause radio interference, in which case you may be required to take adequate measures.

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## LOW VOLTAGE DIRECTIVE STATEMENT

- Low Voltage Directive Compliance This equipment was tested and found to conform to the Council Directive 72/23/EEC for safety of electrical equipment. Conformity with this Directive is based upon compliance with the following harmonized standard:
- |          |                                            |
|----------|--------------------------------------------|
| EN 60950 | Safety of Information Technology Equipment |
|----------|--------------------------------------------|

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## GENERAL APPROVAL STATEMENT FOR UK

- UK General Approval Statement This equipment is manufactured to the international Safety Standard EN60950 and is approved in the UK under the General Approval Number NS/G/12345/J/100003 for indirect connection to the public telecommunication network.

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## AUSTRALIAN EMC FRAMEWORKS STATEMENT

- Australian EMC Frameworks Compliance This product conforms to the EMC Frameworks and meets the Class A limits of AS3548.

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Part No. 10012855  
Published May 1999