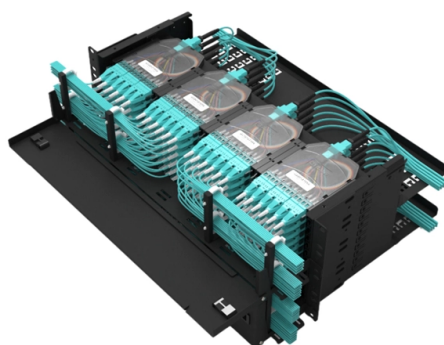


RIVO MULTITRADE OPTICAL SYSTEMS

Detailed steps for disassembling the optical module



Overview

Remove the screw x 4 as shown below. Raise the black module and the main board. together with both hands.

Key Takeaways

To safely disassemble an optical module, ensure proper ESD protection, disconnect all fiber or network cables, release any latches, and gently pull the module horizontally from its port.

Preparation and Safety
Before disassembly, wear anti-static gloves or a grounded ESD wrist strap to prevent electrostatic discharge that can damage the module or equipment. Work on an ESD-safe mat if possible, and ensure the workspace is clean and free of dust. Confirm that no fiber jumpers or network cables are connected to the module to avoid service disruption or damage to connectors .

Disassembly Steps

- **Inspect the Module:** Check for any visible damage, scratches, or contamination on the optical module and connectors. Keep dust caps on the fiber ends until ready to disconnect .
- **Release Latch or Locking Mechanism:** If the module has a latch or locking tab, press or unlock it to free the module from the port .

- **Use Proper Tools if Needed:** Some modules may require a fiber extractor or small flat-head screwdriver to safely disengage the module. Align the tool with the module's security pin and apply gentle, even force .
- **Pull the Module Horizontally:** Hold the module by its sides or metal cage and pull it straight out of the port without twisting or applying excessive force to avoid damaging the port or module .
- **Cover and Store:** Immediately place dust caps on the module and the port. Inspect the module for any damage, then store it in an anti-static bag or blister box for future use .

Additional Precautions

- Avoid touching gold-plated contacts or optical bores to prevent contamination.
 - Do not force the module; if resistance is felt, check for latches or obstructions.
 - Maintain clean hands and tools to prevent dust or debris from entering the optical interface.
 - Confirm module removal does not disrupt active services if the equipment is live .
- Following these steps ensures safe disassembly, protects the optical module and port integrity, and minimizes the risk of service interruptions or hardware damage.

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When disassembling the optical module, pull out the fibre optic jumper first, then pull the puller to about 90 degrees from the optical

Replacing an Optical Module

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Step 2 Pull apart. Button half will slide out of the shell it sits in. Mouse wheel slides out and control board pops off

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