



Installing the EIA Retro-Fit Kit in an Electrical Interface Assembly on the ONS 15454

Product Number: 15454-EIA-RETRO=

This document describes how to attach the foam standoffs included in the EIA Retro-Fit Kit to the BNC and SMB Electrical Interface Assemblies (EIAs) on the Cisco ONS 15454.

Use this document with the *Cisco ONS 15454 Installation and Operations Guide* when working with EIAs or any other system components.

You will need a calibrated torque driver set to 9 in-lbs to perform these procedures.



Caution

Always use an electrostatic discharge (ESD) wristband when working with a powered ONS 15454. Plug the wristband cable into the ESD jack located on the lower-right outside edge of the shelf assembly.

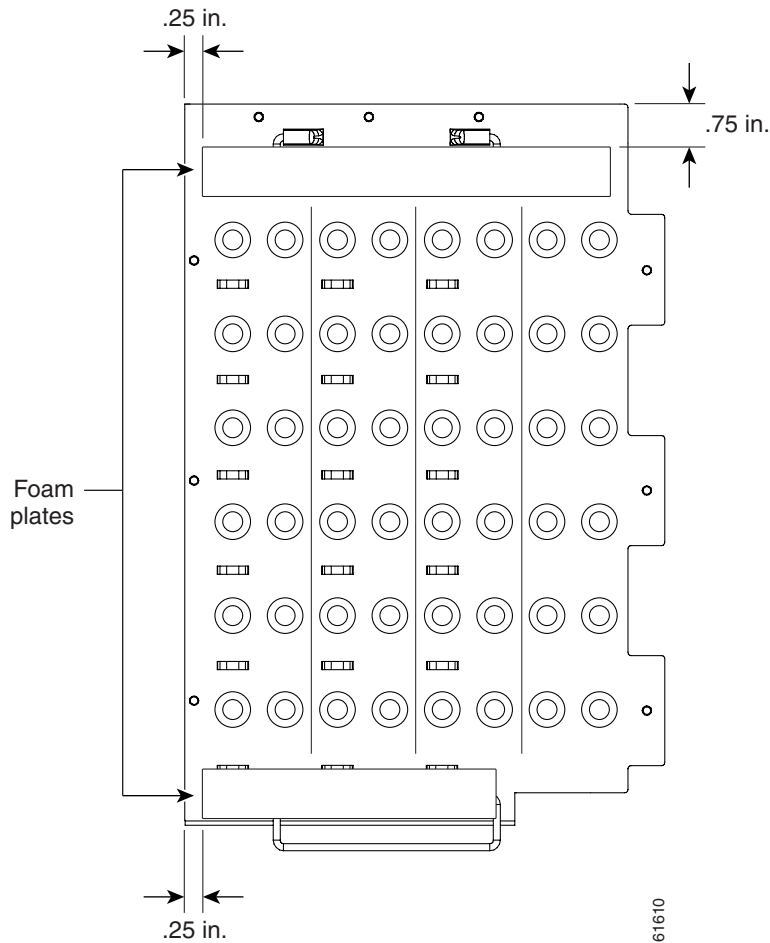
Install the EIA Retro-Fit Kit in the BNC EIA

- Step 1** To remove the lower backplane cover, loosen the five screws that secure it to the ONS 15454 and pull it away from the shelf assembly.
- Step 2** Loosen the nine outer perimeter screws (ten total with the alarm cover attached) and nine inner screws on the A-side BNC cover panel. Remove the alarm cover, if attached.
- Step 3** Remove the A-side cover panel, leaving the BNC card attached to the backplane.
- Step 4** Attach the foam standoffs:
- Peel the adhesive strip off the foam standoffs.
 - Attach the long foam standoff to the upper inside area of the cover panel, .25 inches from the side edge and .75 inches from the top edge.
 - Attach the shorter foam standoff to the lower inside area of the cover panel, .25 inches from the side edge and flush with the bottom edge.

Figure 1 shows the BNC cover panel with both foam standoffs attached.



Figure 1 BNC cover panel with attached foam standoffs



- Step 5** Replace the cover panel on the BNC card, and insert and tighten the nine inner screws at 8-10 lbs on the inside of the cover panel.
- Step 6** Insert and tighten the nine inner screws at 8-10 lbs to secure the cover panel to the BNC card and backplane.
- Step 7** Repeat Steps 2 – 6 for the B-side BNC cover panel.
- Step 8** Replace the alarm cover and insert and tighten the five screws to secure it.

Install the EIA Retro-Fit Kit in the SMB EIA

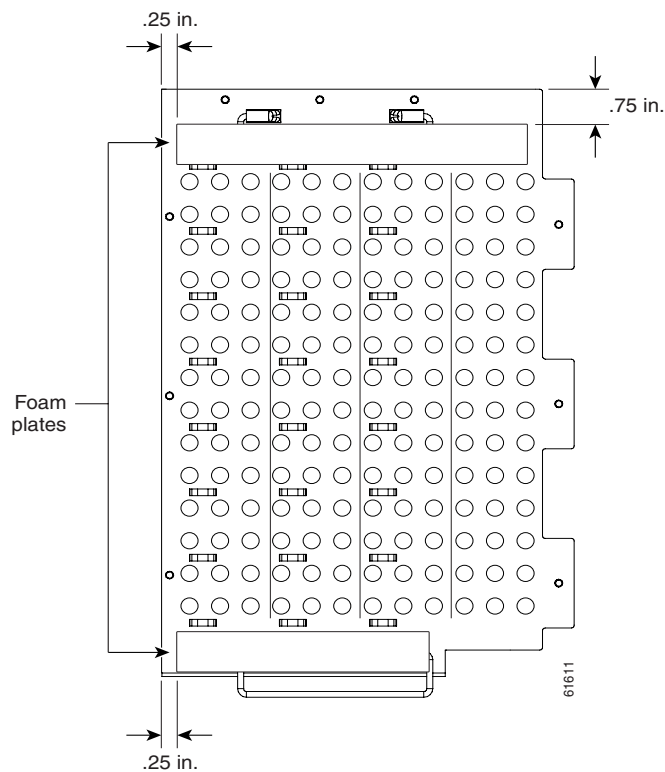
- Step 1** To remove the lower backplane cover, loosen the five screws that secure it to the ONS 15454 and pull it away from the shelf assembly.
- Step 2** Loosen the outer perimeter screws (ten total with the alarm cover attached) and nine inner screws on the A-side SMB cover panel. Remove the alarm cover, if attached.
- Step 3** Remove the A-side cover panel from the backplane, leaving the SMB card intact.

Step 4 Attach the foam standoffs:

- a. Peel the adhesive strip off the foam standoffs.
- b. Attach the long foam standoff to the upper inside area of the cover panel, .25 inches from the side edge and .75 inches from the top edge.
- c. Attach the shorter foam standoff to the lower inside area of the cover panel, .25 inches from the side edge and flush with the bottom edge.

Figure 2 shows the SMB cover panel with both foam standoffs attached.

Figure 2 SMB cover panel with attached foam standoffs



- Step 5** Replace the cover panel on the SMB card, and insert and tighten the twelve screws at 8-10 lbs on the inside of the cover panel.
- Step 6** Insert and tighten the nine perimeter screws at 8-10 lbs.
- Step 7** Insert and tighten the tenth screw with or without the alarm cover.
- Step 8** Repeat Steps 2 – 7 for the B-side SMB cover panel.
- Step 9** Replace the alarm cover, and insert and tighten the five screws to secure it.

This document is to be used in conjunction with the *Cisco ONS 15454 Installation and Operations Guide* publication.

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