

Procedure to Install a CIMbase Cover in an Existing Maxum II

Difficulty Level: Low

Estimated time to execute: 20 minutes

Revision History

Issue	Date	Reason
000	12/8/14	Initial Release

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1.0 Description

This document describes the procedure to install a protective CIM cover on an existing Maxum II door with a CIM (Control Interface Module) door.



Caution: This upgrade involves multiple steps, several of which **MUST** be performed in the correct order. Failure to follow all of the steps in this procedure in the correct order may result in the analyzer not working correctly afterwards.

This procedure must be executed by personnel who have the knowledge necessary to complete all the required software and hardware steps. If the user needs help with completing this procedure then it is recommended that Siemens Field Service personnel be contracted to assist.

2.0 Prerequisites

- This procedure must be performed by a user who has detailed knowledge of the Maxum. This includes detailed knowledge of the hardware and operation of the device. If a customer does not have the knowledge required for this procedure, then it is recommended that Siemens Field Service personnel be contracted to assist.
- The analyzer must be a Maxum II equipped with a CIM door.
- A tool kit including metric wrenches, Hex wrenches, and screwdrivers is required to perform this procedure



Warning: Full safety precautions must be followed throughout all sections of this procedure to prevent possible injury, equipment damage, or death. Verify that the area is clear of flammable gases and vapors and that appropriate authorization is obtained to do the work (hot work permits).

A retrofit kit (part number A5E34001642001) is required for this procedure. The kit contains the following items.

Description	Quantity
CIMbase Cover	1
Adapter, DB9, M-F	1
Standoff, M3, 6mm hex F-F, 16mm long	6
Screw, M3 x 6 socket button-head cap SST	6
Washer, M3, helical-spring lock, SST	1

Note: The above list is included for reference only and is not intended to be all inclusive. For a complete list with part numbers, refer to the packing list sent with the kit.

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3.0 Procedure

This upgrade involves multiple steps that must be performed in the correct order. The basic steps are as follows.

Step	Procedure
1.	Put all applications in Hold, and allow the cycle clock to time out.
2.	Backup the database. This saves the database to flash memory. It reloads on reboot.
3.	Using appropriate safety precautions, power down the analyzer.
4.	After appropriate safety precautions have been followed, open the EC door.
5.	Disconnect the two Ethernet cables shown in Figure 1.
6.	Remove 6 nuts from the positions shown in Figure 1.
7.	Replace the nuts with standoffs, part number 1313017-622.
8.	Install DB9 coupler (part number A5E34104634) on debug connector as shown in Figure 1.

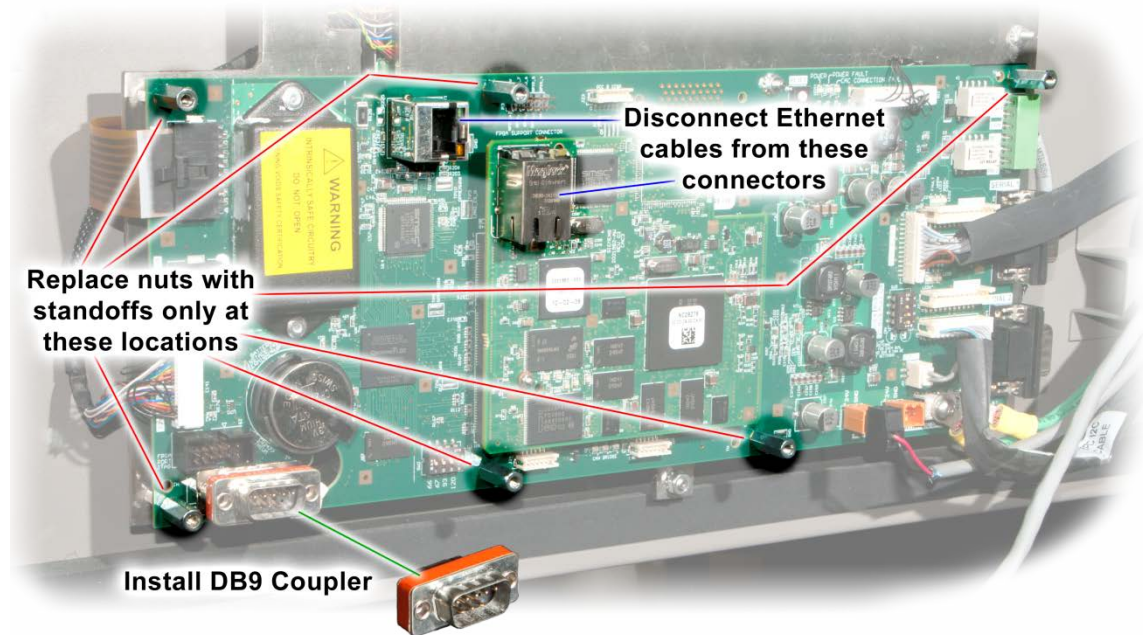


Figure 1: Locations of Changes

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4.0 Procedure (Continued)

Step	Procedure
9.	Position the cover (part number A5E33068829001) over the CIM board with the mounting holes aligned with the standoffs.
10.	Ensure that no cables are pinched between the cover and the door.
11.	Install 6 screws (part number 1312421-072) with lock washers (part number 1312530-006) loosely until all are partially inserted.
12.	Ensure that the gap between the cover and the door is less than 1 mm as shown in Figure 2.
13.	Tighten all 6 screws enough to compress the lock washers.
14.	Reconnect the two Ethernet cables to their original locations.
15.	Close and secure EC door.
16.	Using appropriate safety precautions, power up the analyzer.
17.	Allow the CIM to boot, and verify proper communication to internal modules and the plant network.

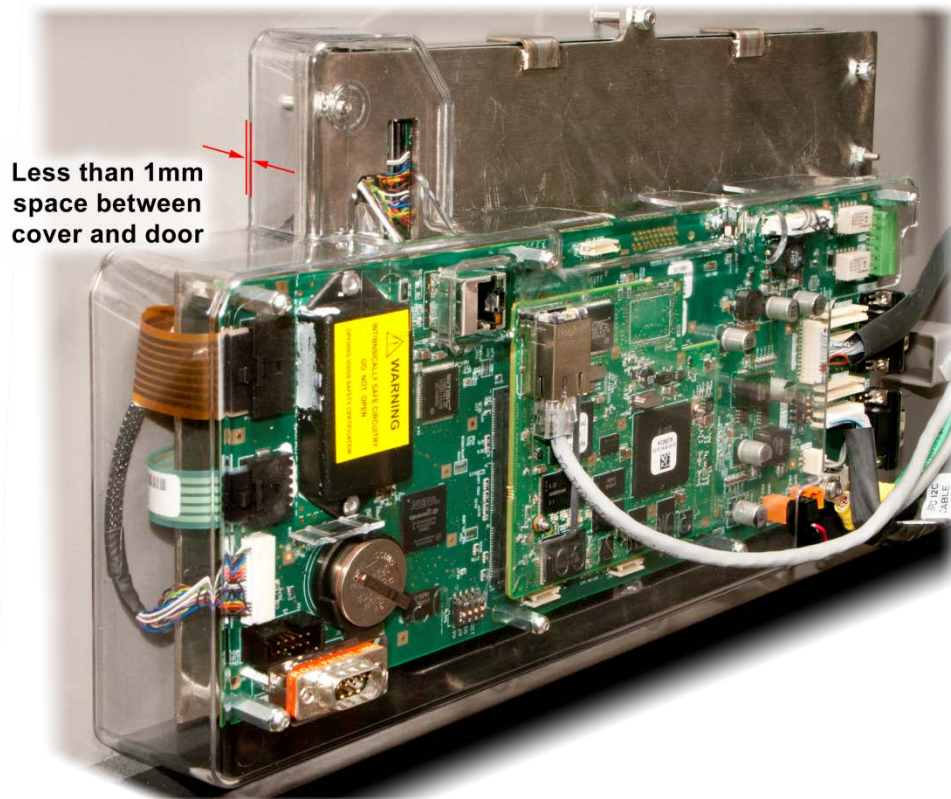


Figure 2: CIM Cover Installed On Door