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Procedure to Replace 2017580-001 WDB with 2021928-002 WDB

Difficulty Level: Medium

Estimated time to execute: 1 Hour

Revision History

Issue	Date	Reason
001	8/13/09	Initial Issue

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1.0 Description

This document describes the procedure to replace the original 2017580-001 WDB with the new 2021928-002 WDB. It will be necessary to power down the analyzer for this procedure.

This procedure is only needed if one of the wiring harnesses (Siemens part numbers 2017902-001 Maxum I or 2021218-001 Maxum II) is used.

A parts kit (Siemens part number XXXXXXXXX) is required for this procedure.

Part Number	Description	Quantity
2021928-002	PCBA,ASSY WDB+T,NON-HUB	1
2021756-001	CABLE, MODULE ID #1 PLUG	1
2021756-002	CABLE, MODULE ID #2 PLUG	1
2021756-003	CABLE, MODULE ID #3 PLUG	1

2.0 Procedure

CAUTION



Exercise caution when removing the Wiring Distribution Board. The board is secured in place by two 5mm captive screws located in the upper left and lower right corners with the other two corners secured by push-on fasteners.

Step	Procedure
1.	From the System Manager, backup the database of the Maxum analyzer that is to be modified (refer to the Maxum Maintenance Manual for instructions).
2.	Open electronic enclosure door (using a 4mm (5/32") Allen wrench if necessary). When door is open DO NOT place tension on the Maintenance Panel interface ribbon cable.
3.	Disconnect all interface cables from connectors J100 to J110. Label each connector with its terminating location for reinstallation.
4.	Disconnect air circulating fan connector J5. Label function of connector for reinstallation.
5.	Disconnect power supply voltage connector J1. Label function of connector for reinstallation.

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Step	Procedure
6.	Unplug connection to 10Base2 connector J2. Unplug connectors from J3, J4 and J6. Label each connector with its termination point.
7.	Remove the upper left and lower right board mounting screws.
8.	To remove the board, place two fingers from each hand on back of lower left and upper right connectors and pull forward. Because the fasteners are a push-on type, the board will pop-off with little exertion.

CAUTION Do not extract Wiring Distribution Board from push-on fasteners by grasping board by its sides. This will cause breakage of board or damage components.



9.	<p>To reinstall a new Wiring Distribution Board, perform steps 1 to 7 in reverse order.</p> <p>Note: The ID KEY switch S1 and connector J6 are not included on the new 2021928-002 WDB. Module ID Plugs are included in the kit to replace this functionality if required.</p>
10.	<p>Remove the connector from J14 on the SNECON and replace it with the appropriate Module ID Plug in the kit based on the location in the EC.</p> <p>2021756-001 for the Left position 2021756-002 for the Center position 2021756-003 for the Right position</p>