

125565-01

Half-height Module Card Guide

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

Bently Nevada 125565-01 is the Half-height Module Card Guide identified in the 3500/05 System Rack spare-parts list. It supports the documented rack hardware arrangement during assembly or maintenance.

STEP	GATE	ENGINEERING PURPOSE
01	IDENTIFY	Confirm article, host and hardware
02	ISOLATE	Secure power and stored energy
03	CONNECT	Restore documented interfaces
04	VALIDATE	Prove diagnostics and function

WORKBOOK PURPOSE

Field-ready identity, isolation, connection, commissioning and closeout records for this exact Bently Nevada article.

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Installation Readiness Gate

Complete the identity, host-system and isolation checks before disturbing the installed hardware.

- 1

Confirm 125565-01 and the assigned half-height adapter position.
- 2

Place affected protection channels in the approved maintenance state.
- 3

Remove rack power as required by the installed service procedure.
- 4

Record guide orientation and mating chassis details before removal.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	125565-01
Host / carrier	Bently Nevada 3500/05 System Rack
Primary system role	Guides a half-height module into the adapter
Acceptance boundary	Restore the monitor and verify affected-slot recognition and diagnostics.
Source record	3500/05 System Rack Datasheet

WORK AUTHORIZATION RECORD

Work order: _____

Drawing / revision: _____

Checked by: _____

Date: _____

Isolation and Access Register

CONTROL POINT	ENGINEER RECORD
Incoming supply	Isolated / proved
Stored energy	Discharged / proved
Field connections	Identified / protected
ESD control	Established / recorded

Pre-Work Documentation

DOCUMENT	ENGINEER RECORD
Connection photograph	Reference / file
Configuration backup	Reference / revision
Diagnostic baseline	Reference / result

Connection and Installation Sequence

INSTALLATION PRINCIPLE

Verify 125565-01 against the 3500/05 rack service record before installation. Preserve the associated rack hardware, alignment and fastening arrangement, then inspect the completed assembly before modules are returned to service.

- 1 Inspect for cracks, deformation, contamination or fastening damage.
- 2 Match the guide to 125388-01 and the documented 04300111 screw set.
- 3 Test module travel without forcing or loading the backplane connector.
- 4 Restore the monitor and verify affected-slot recognition and diagnostics.

Connection Record

CONNECTION GROUP	AS-FOUND / AS-LEFT RECORD	STATUS
Power / field connection	Reference / terminal	Checked
Signal / interface	Reference / connector	Checked
Ground / shield	Reference / point	Checked
Accessory / carrier	Reference / part	Checked

MODEL-SPECIFIC RELEASE LIMIT

Confirm 125565-01, the 125388-01 internal chassis, 04300111 fasteners, guide orientation, module travel, connector alignment, adjacent hardware and affected-channel diagnostics before release.

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	125565-01
Host match	Bently Nevada 3500/05 System Rack
Connection proof	Match the guide to 125388-01 and the documented 04300111 screw set.
Configuration proof	Test module travel without forcing or loading the backplane connector.

Commissioning and Acceptance Record

Record each controlled verification step before the equipment returns to automatic operation.

NO.	ACCEPTANCE CHECK	RESULT	RECORD
1	Article and host identity	PASS / FAIL	Initial / date
2	Mechanical installation	PASS / FAIL	Initial / date
3	Power and field wiring	PASS / FAIL	Initial / date
4	Grounding and shielding	PASS / FAIL	Initial / date
5	Configuration restoration	PASS / FAIL	Initial / date
6	Signal or power-path response	PASS / FAIL	Initial / date
7	Diagnostics and alarms	PASS / FAIL	Initial / date
8	Final functional release	PASS / FAIL	Initial / date

Engineering Notes

RECORD AREA	ENGINEER ENTRY
As-found condition	
Corrective action	
As-left configuration	
Outstanding restriction	
Release authorization	

CONTROLLED COMMISSIONING

Restore the monitor and verify affected-slot recognition and diagnostics.

Diagnostics and Release Log

EVENT	ENGINEERING RECORD
Initial energization	Result / observation
Interface or signal response	Result / observation
Alarm and diagnostic review	Result / observation
Functional release	Name / date

Maintenance Verification and Closeout

Half-height module alignment

Maintains the insertion path in the documented adapter assembly.

Rack slot service

Supports controlled repair of a worn or damaged guide position.

Monitor replacement preparation

Provides the guide path checked before a half-height monitor is fitted.

3500 rack lifecycle maintenance

Retains the approved adapter geometry during planned refurbishment.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER PAGE
3500/42M	176449-02 seismic monitor	View 3500/42M page
3500/45	176449-04 position monitor	View 3500/45 page
3500/50	tachometer module	View 3500/50 page
3500/64M	140734-05 pressure monitor	View 3500/64M page
3500/65	145988-02 temperature monitor	View 3500/65 page
3500/72M	176449-08 rod position monitor	View 3500/72M page
3500/92	136180-01 gateway module	View 3500/92 page
3500/15	133292-01 power supply	View 3500/15 page

MANUFACTURER SOURCE RECORD

3500/05 System Rack Datasheet
Baker Hughes document 141525 Rev. N, 2025

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