

4300111

Half-height Module Internal Chassis Screw Set

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

Bently Nevada 4300111 is the Screws for half-height Module Internal Chassis 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 customer model 4300111 and manufacturer part number 04300111.
- 2

Place the rack and affected channels in the approved maintenance state.
- 3

Isolate rack power before disturbing internal adapter hardware.
- 4

Record every original screw position before removal.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	4300111
Host / carrier	Bently Nevada 3500/05 System Rack
Primary system role	Secures the half-height internal chassis assembly
Acceptance boundary	Inspect the completed assembly and verify the affected monitor slot after startup.
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 4300111 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

Protect the backplane and remove conductive debris from the work area.
- 2

Use the complete documented quantity of three screws for the internal chassis.
- 3

Verify the card guide and chassis are aligned before final tightening.
- 4

Inspect the completed assembly and verify the affected monitor slot after startup.

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 the supplied 4300111 record corresponds to official part 04300111, quantity three, and matches the installed 125388-01 internal chassis and 125565-01 guide; verify fastening, debris control, connector alignment and affected-slot diagnostics before release.

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	4300111
Host match	Bently Nevada 3500/05 System Rack
Connection proof	Use the complete documented quantity of three screws for the internal chassis.
Configuration proof	Verify the card guide and chassis are aligned before final tightening.

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

Inspect the completed assembly and verify the affected monitor slot after startup.

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

Internal chassis fastening

Secures the documented half-height adapter hardware.

Card-guide replacement

Provides the matching fastener set after guide or chassis service.

Rack hardware inspection

Allows damaged or missing adapter fasteners to be corrected using the named spare.

Controlled 3500 rack refurbishment

Restores the approved mechanical assembly before module installation.

Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER 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
3500/22M	288055-01 data interface	View 3500/22M page
3500/25	enhanced Keyphasor module	View 3500/25 page
3500/33	149986-01 relay module	View 3500/33 page
3500/40M	176449-01 proximity monitor	View 3500/40M page
3500/42M	176449-02 seismic monitor	View 3500/42M page

MANUFACTURER SOURCE RECORD

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

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