Honeywell SSD-D08G-4300-51403645-400

SBHM Drive Assembly

Honeywell SSD-D08G-4300-51403645-400 is an SBHM drive assembly that combines carrier hardware marked 51403645-400 with an 8 GB SiliconDrive II PATA solid-state drive identified as SSD-D08G-4300.

Job objective

Replace or verify the exact SBHM drive assembly while preserving stored data, device selection, connector orientation and unrelated host configuration.

Readiness matrix

Identity	Both SSD-D08G-4300 and 51403645-400 are legible and match the work order
Data	Required history data is backed up and restore responsibility is assigned
Host	Installed position, connector orientation and device-selection state are recorded
Hardware	Carrier rails, fasteners, PCB and 44-pin connector are inspected
ESD	Grounded handling controls and protective packaging are ready
Acceptance	Recognition, capacity, data access and host-function checks are defined

Pre-work identity snapshot

H1 8 GB solid-state storage	**H2** Parallel ATA interface
H3 SiliconDrive II device family	**H4** Carrier marked 51403645-400

Evidence applicability

Evidence record	Applied scope
Exact-unit front and rear nameplate photographs	Supports only the exact-unit or explicitly applicable family facts used in this document.
SiliconDrive II SSD-Dxxx(I)-4300 data sheet 4300D-00DSR	Supports only the exact-unit or explicitly applicable family facts used in this document.
Honeywell System HINTS SBHM family record	Supports only the exact-unit or explicitly applicable family facts used in this document.

Controlled replacement sequence

1	Compare both identifiers and preserve the as-found Master/Slave selection
2	Back up required data, stop the host and verify isolation
3	Release the carrier without twisting the PCB or forcing the connector
4	Inspect, align and fully seat the 44-pin PATA connection
5	Restore retention hardware, orientation and device selection

Connector and carrier controls

Host connector	44-pin IDE/PATA connection between the SBHM host and the drive assembly
Device selection	Master or Slave position identified on the drive label
Carrier board	PCB path between the host connector and the installed solid-state drive
Retention	Metal carrier rails and fasteners retain the drive and board as one assembly

STOP CONDITIONS

Identity

Stop if either required identifier differs or is unreadable.

Data

Stop if the backup or restore plan is incomplete.

Connector

Stop if any PATA contact is bent, displaced or contaminated.

Configuration

Stop if the Master/Slave state cannot be reconstructed.

Staged return to service

Stage 6	Power under observation and verify recognition before data access
Stage 7	Confirm expected 8 GB identity and required stored-data access
Stage 8	Prove the host history function and archive the as-left record

Eight product-specific precautions

1

Match both SSD-D08G-4300 and 51403645-400 before removing or installing the assembly.

2

Back up required history data and record the installed device state before isolating the host.

3

De-energize the host and use electrostatic-discharge protection when handling the exposed carrier PCB.

4

Record and restore the Master or Slave selection shown for the installed drive position.

5

Align the 44-pin PATA connector before insertion and stop if any contact is bent or displaced.

6

Keep the metal carrier, fasteners, and PCB orientation unchanged during replacement.

7

Do not substitute a different capacity, interface, or 4300-series suffix without an approved system review.

8

After installation, verify device recognition, stored-data access, and the host's normal history function before release.

Engineering decisions - identity and interface

Engineering question	Controlled answer
Which identifiers must match when replacing Honeywell SSD-D08G-4300-51403645-400?	The drive label must show SSD-D08G-4300 and the carrier PCB must show assembly number 51403645-400.
What capacity is installed in Honeywell SSD-D08G-4300-51403645-400?	The SiliconDrive II label identifies an 8 GB solid-state drive.
Which storage interface does Honeywell SSD-D08G-4300-51403645-400 use?	The installed drive uses a Parallel ATA interface.
How is device selection set on Honeywell SSD-D08G-4300-51403645-400?	The drive label provides Master and Slave selection positions that must match the installed host arrangement.

Fault isolation and final record

1	Unexpected state: stop and capture the host message
2	Recheck the two identifiers, jumper state and PATA seating
3	Confirm device recognition and expected capacity
4	Test stored-data access without changing unrelated host settings
5	Restore a safe state and document the verified outcome

Engineering handover questions

Engineering question	Controlled answer
Why must the 51403645-400 number be checked on Honeywell SSD-D08G-4300-51403645-400?	It identifies the carrier as the intended SBHM disk-drive assembly rather than only identifying the removable storage device.
What should be preserved before Honeywell SSD-D08G-4300-51403645-400 is removed?	Preserve required data and record the host position, connector orientation, jumper selection, and as-found operating state.
Which connector inspection applies to Honeywell SSD-D08G-4300-51403645-400?	Inspect the 44-pin IDE/PATA connection for alignment, bent contacts, contamination, and full seating before power is restored.
How should Honeywell SSD-D08G-4300-51403645-400 be accepted after installation?	Confirm device recognition, expected 8 GB identity, stored-data access, and normal host history operation before return to service.

Related Apter Power references

Related Apter Power references	Scope note
Honeywell 8C-TAIMA1 51307171-175	Portfolio reference only; verify compatibility independently.
Honeywell 8C-TAOXA1 51307135-175	Portfolio reference only; verify compatibility independently.
Honeywell 8C-TDILA1 51307141-175	Portfolio reference only; verify compatibility independently.
Honeywell TC-FTEB01 51309512-125	Portfolio reference only; verify compatibility independently.
Honeywell MC-PAOX03 51309152-175	Portfolio reference only; verify compatibility independently.
Honeywell MU-TAOX12 51304335-125	Portfolio reference only; verify compatibility independently.
Honeywell MC-TDOR12 51309148-175	Portfolio reference only; verify compatibility independently.
Honeywell FC-FANWR-24R	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record Honeywell SSD-D08G-4300-51403645-400 SBHM Drive Assembly Verify the complete nameplate before installation.