GE DS200DMCBG1AJE

DOS DUP Processor Board

GE DS200DMCBG1AJE is a Mark V DOS DUP processor board with four multi-pin connectors, configurable jumpers, diagnostic LEDs and dual fuse protection.

Job objective

Replace, install or verify the exact unit while preserving unrelated wiring, configuration, dimensions, weight and stored product data.

Safe-work boundary

Identify Match the complete model and every suffix to the physical unit.	**Isolate** Apply the plant-approved electrical, process and stored-energy isolation.
Preserve Back up configuration and photograph all connections and settings.	**Control** Use ESD protection and revision-controlled documentation.

Product-specific hazards and controls

1 Isolate the cabinet and verify stored-energy conditions before touching DS200DMCBG1AJE.	**2** Record all four connector locations and cable orientations before disconnecting the board.
3 Capture every jumper position; do not move a factory or application jumper without the controlled drawing.	**4** Use ESD controls and handle the normal coated board only by its approved edges.

Required evidence before work

Nameplate photo, installed-position record, connection map, configuration or jumper record, fault history and approved acceptance plan.

Readiness and interface checklist

Exact identity	GE DS200DMCBG1AJE matches the work order and physical unit
Installed position	Rack, slot, panel and functional assignment recorded
Configuration	Project data, jumpers, settings or calibration state captured
Connections	Every cable, terminal, shield and polarity labeled
Condition	Board, housing, connectors and packaging inspected
Test plan	Expected states, safe response and acceptance evidence agreed

Interface preparation

26-pin connectors	Three multi-pin board connections for the installed Mark V wiring set
40-pin connector	One additional multi-pin interface retained by exact cable position
Configuration jumpers	Nineteen board positions whose as-found state must be recorded
LED and fuse points	CR2, CR12 and two circuit fuses support board-level checks

Pre-job evidence review

H1 Mark V DOS DUP processor function	**H2** Three 26-pin and one 40-pin connectors
H3 Nineteen configurable jumpers	**H4** CR2 and CR12 diagnostic LEDs with two fuses

03 / INSTALLATION SEQUENCE

Controlled replacement workflow

1	Confirm isolation and absence of hazardous energy
2	Compare removed and replacement identities and revisions
3	Photograph, label and verify all connections and settings
4	Remove the existing assembly using ESD-safe handling
5	Inspect mounting, connectors, grounding, ventilation and surrounding hardware
6	Install the exact replacement without forcing connections
7	Restore cables, jumpers and settings from the controlled record
8	Complete final visual, continuity and polarity checks before energization

STOP CONDITIONS

Identity

Stop if the complete model or revision does not match.

Connection

Stop if connector orientation, polarity or terminal mapping is unresolved.

Configuration

Stop if the as-found jumper, project or adjustment record is missing.

System

Stop if grounding, cooling or the safe-state assignment is uncertain.

Staged return to service

Stage 1	Visual inspection, isolation release and controlled power-ready state
Stage 2	Apply power under observation and stop on abnormal indicators, heat or sound
Stage 3	Confirm module recognition, status indications and surrounding-system health
Stage 4	Verify every affected connection, signal or relay path
Stage 5	Exercise the documented function and configured safe response
Stage 6	Archive measurements, settings, results and as-left configuration

Product-specific acceptance focus

5

Check both fuses for continuity and determine the external cause before installing a replacement fuse.

6

Inspect connector pins and ribbon-cable strain relief before reseating the three 26-pin and one 40-pin connections.

7

Compare CR2 and CR12 behavior with the known-good cabinet record after controlled energization.

8

Release the board only after the duplicate-processing path, interlocks and commanded safe state have been functionally checked.

Acceptance evidence

Identity

Photo and record show the exact installed model.

Connections

Terminal, cable and connector checks are complete.

Function

The affected command, indication or supply path has been exercised.

Safe state

Loss-of-power or loss-of-command behavior matches the approved design.

Fault isolation and final record

1	Unexpected state: stop and capture evidence
2	Recheck identity, power boundary, position and connections
3	Compare configuration and revision-controlled records
4	Test the surrounding system before condemning the unit
5	Restore a safe state and document the verified outcome

Apter Power handover record

Model identity	Keep the complete GE model code and every suffix in purchasing, installation and acceptance records.
Verification boundary	Confirm the physical nameplate, installed position and revision-controlled project documents before field work.
Apter Power support	Use the contact details and Apter Power website links in this document for product and sourcing support.

Related Apter Power references

Related Apter Power references	Scope note
GE IS200VTURH1BAC	Portfolio reference only; verify compatibility independently.
GE IS200TRLYH1BED	Portfolio reference only; verify compatibility independently.
GE IS200TREAH1A	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record GE DS200DMCBG1AJE DOS DUP Processor Board Verify the complete nameplate before installation.