Allen-Bradley 80026-044-02

01 Define the service boundary

1 Identify controller and option

Match the exact IGDPS marking, controller bulletin and soft-stop or pump-control arrangement. Record every fitted board and each output channel destination.

2 Record the original indication

Capture which green channel indicators are lit or dark and the operating condition when the fault occurred. Preserve that evidence before removing power.

Nominal input	50 VDC
Input diagnostic range	50 VDC +/-8 VDC
Isolated outputs	6

02 Prepare the installation

1 Apply controller isolation

Remove main and control energy using the approved MV SMC procedure and prove the circuits safe before touching boards, motor circuits or control devices.

2 Protect encapsulated electronics

Use appropriate ESD handling and support the board at its mechanical mounting. Do not open encapsulation or attempt internal adjustment.

Nominal output	20 VDC per channel
Output verification	20 VDC +/-1%

03 Restore connections and settings

1 Restore channel assignments

Reconnect each labeled output to its retained gate-drive position. Check seating and the common input connection without interchanging isolated circuits.

2 Verify the common source

Using the authorized safe test procedure, confirm the board input is 50 VDC +/-8 VDC. Resolve a missing common feed before investigating individual outputs.

Connection check	Retain source and output assignments
Test boundary	Qualified controller/drive procedure

04 Verify the operating response

1 Measure every output

Check pin 1 to pin 2 of each of the six outputs using the prescribed measurement arrangement. Compare each result with 20 VDC +/-1%.

2 Compare LED and voltage

All healthy channel indicators should be illuminated. Investigate a dark indicator, bad connection or low output; replace the board if an output module is defective.

Verification	Physical voltage plus diagnostic state
Release	Resolve cause before restart

05 Release and retain the evidence

1 Complete the stop-function test

Use the controller commissioning procedure to verify the configured stopping function after restoring gate-drive power. Do not release solely because the LEDs are on.

2 Retain per-board results

Record each board identity, channel voltage and controller test result. Preserve the gate-drive routing and completed isolation/release record.

Technical basis: Allen-Bradley Medium Voltage SMC Controller User Manual, 1560D-UM051D-EN-P, February 2005.

Related product navigation

- Allen-Bradley 80190-440-02-R
- Allen-Bradley 80190-580-01-R

These are related references, not confirmed substitutes or an automatically approved assembly.