

80190-560-01-R

Analog Control Board for 18-Pulse Drive

Allen-Bradley 80190-560-01-R is the exact manufacturer-listed analog control board for 18-pulse drive for the documented installed system.

BRAND	Allen-Bradley	FAMILY	Allen-Bradley PowerFlex 7000
PART	80190-560-01-R	SYSTEM ROLE	Carries the official ACB board designation

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80190-560-01-R

MANUFACTURER SOURCE RECORD

PowerFlex 7000 Medium Voltage AC Drives Troubleshooting Guide
7000-TG002L-EN-P, February 2020

Product Overview

SYSTEM FUNCTION

Allen-Bradley 80190-560-01-R is the exact manufacturer-listed analog control board for 18-pulse drive for the documented installed system.

FUNCTION 1

Carries the official ACB board designation

FUNCTION 2

Uses the documented 18-pulse drive execution

FUNCTION 3

Supports the PowerFlex 7000 control architecture

FUNCTION 4

Preserves exact board identity during controlled replacement

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	Allen-Bradley PowerFlex 7000
Primary interface	Carries the official ACB board designation
Engineering context	Record the existing board slot, connectors, cable labels, jumpers and drive configuration before removal. Install only in the matching PowerFlex 7000 execution and verify board recognition, communications and drive diagnostics before power-stage testing.
Commissioning duty	Verify board recognition and drive diagnostics before release.

TECHNICAL NOTE

Record the existing board slot, connectors, cable labels, jumpers and drive configuration before removal. Install only in the matching PowerFlex 7000 execution and verify board recognition, communications and drive diagnostics before power-stage testing.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Board designation	ACB	Documented execution	18-pulse drive
Board type	Analog Control Board	Drive family	PowerFlex 7000

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
Allen-Bradley 1794-AENTR	Allen-Bradley product	View Allen-Bradley 1794-AENTR page
Allen-Bradley 1794-IM8	Allen-Bradley product	View Allen-Bradley 1794-IM8 page
Allen-Bradley 1336-PB-SP23C	Allen-Bradley product	View Allen-Bradley 1336-PB-SP23C page
Allen-Bradley 1794-TB3	Allen-Bradley product	View Allen-Bradley 1794-TB3 page
Allen-Bradley 1794-ACNR15	Allen-Bradley product	View Allen-Bradley 1794-ACNR15 page
Allen-Bradley 1769-ECR	Allen-Bradley product	View Allen-Bradley 1769-ECR page
Allen-Bradley 1771-OBDD	Allen-Bradley product	View Allen-Bradley 1771-OBDD page
Allen-Bradley 1756-IC16	Allen-Bradley product	View Allen-Bradley 1756-IC16 page

ENGINEERING BOUNDARY

Confirm Allen-Bradley 80190-560-01-R, the complete PowerFlex 7000 or MV SMC Flex host identity, installed hardware execution, board or semiconductor position, connectors, wiring, grounding, cooling path, firmware or configuration where applicable, companion components and controlled commissioning results before service.

Applications and Precautions

Common Applications

PowerFlex 7000 control-board maintenance

Restores the documented ACB position in the drive control system.

Drive cabinet modernization

Preserves the approved board execution during a documented repair.

Control-path troubleshooting

Supports connector, recognition and diagnostic checks in the installed drive.

Post-replacement commissioning

Supports controlled verification before the power stage and motor are enabled.

Product Precautions

- 1

Confirm Allen-Bradley 80190-560-01-R, the ACB designation and the 18-pulse drive execution.
- 2

Isolate all drive power and prove stored energy discharged.
- 3

Use ESD controls and protect every board connector.
- 4

Record the installed slot, connectors, jumpers and cable labels.
- 5

Verify the replacement board matches the installed drive execution.
- 6

Seat connectors without force and reproduce the documented routing.
- 7

Restore power through the approved PowerFlex 7000 sequence.
- 8

Verify board recognition and drive diagnostics before release.

IMPORTANT NOTICE

Confirm Allen-Bradley 80190-560-01-R, the complete PowerFlex 7000 or MV SMC Flex host identity, installed hardware execution, board or semiconductor position, connectors, wiring, grounding, cooling path, firmware or configuration where applicable, companion components and controlled commissioning results before service.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	80190-560-01-R
Configuration	Restore power through the approved PowerFlex 7000 sequence.
Functional release	Verify board recognition and drive diagnostics before release.

Engineer FAQ

Q1 Which drive execution is Allen-Bradley 80190-560-01-R intended for?

The official record identifies it as the ACB Analog Control Board for an 18-pulse drive.

Q3 What 18-pulse evidence should be checked before installing Allen-Bradley 80190-560-01-R?

Confirm the installed PowerFlex 7000 topology and the approved bill or service record identifying the 18-pulse ACB execution.

Q5 How should Allen-Bradley 80190-560-01-R be handled?

Use ESD controls and protect every board connector and analog interface from force or contamination.

Q7 Which behavior validates Allen-Bradley 80190-560-01-R after installation?

Confirm board recognition, associated analog/control status and applicable drive diagnostics before enabling the power stage.

Q2 Can Allen-Bradley 80190-560-01-R replace the non-18-pulse ACB?

Do not make that substitution; the non-18-pulse execution has the separate catalog number 80190-560-02-R.

Q4 Which ACB connections must be recorded for Allen-Bradley 80190-560-01-R?

Record its slot, analog/control connectors, cable labels, jumpers and adjacent board relationships.

Q6 What is checked before energizing Allen-Bradley 80190-560-01-R?

Verify the full catalog number, 18-pulse host identity, slot, connector seating, jumpers and documented configuration.

Q8 What proves the 18-pulse ACB service is complete for Allen-Bradley 80190-560-01-R?

Retain the 18-pulse identity check, connection record, as-left configuration, diagnostics and controlled drive test.

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