

PN-173122-PN-173123

Thyristor Trigger Board

It is identified as an inverter thyristor trigger board for a PowerFlex 755 75 kW frequency-converter application and retains the paired PN-173122 and PN-173123 service identity.

Manufacturer	Allen-Bradley
Product family	PowerFlex 755 75 kW drive platform
Complete model	PN-173122-PN-173123
Source record	PN-173122 PN-173123; 750-IN001S-EN-P; 750-TG001G-EN-P; 750-PC106A-EN-P

RELATED PRODUCTS ON APTER POWER

01	Allen-Bradley 80026-529-01-R	View Allen-Bradley 80026-529-01-R page
02	Allen-Bradley 80026-044-06-R	View Allen-Bradley 80026-044-06-R page
03	Allen-Bradley 81004-286-52-R	View Allen-Bradley 81004-286-52-R page
04	Allen-Bradley 81001-451-63-R	View Allen-Bradley 81001-451-63-R page
05	Allen-Bradley 81001-451-61-R	View Allen-Bradley 81001-451-61-R page
06	Allen-Bradley 81001-450-53-R	View Allen-Bradley 81001-450-53-R page

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Exact-model technical record

Complete model	PN-173122-PN-173123	Application	Frequency converter power-stage triggering
Manufacturer	Allen-Bradley	Service identity	Paired board reference
Product family	PowerFlex 755 75 kW drive platform	Installation method	Controlled internal drive-board replacement
Board class	Inverter board	Service personnel	Qualified drive service personnel
Functional designation	Thyristor trigger board	Stored-energy check	DC bus verified at zero before service
Manufacturer identifiers	PN-173122 and PN-173123	Handling control	ESD-safe board handling
Documented host family	PowerFlex 755	Commissioning scope	Connection, diagnostic and controlled run
Documented host power	75 kW		

OFFICIAL SOURCE COVERAGE

Source 1	User-authorized PN-173122 PN-173123 exact-model record — Product description and Type No. table
Source 2	PowerFlex 750-Series Service Cart and DCPC Lift Renewal Parts — Publication 750-PC106A-EN-P, safety instructions
Source 3	PowerFlex 750-Series AC Drives Installation Instructions and Hardware Service Manual — Publications 750-IN001S-EN-P and 750-TG001G-EN-P

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System role and applications

PowerFlex 755 75 kW service

Restores the documented trigger-board position in the specified drive application.

Paired board replacement

Maintains both PN-173122 and PN-173123 identities in the controlled service record.

Power-stage trigger restoration

Re-establishes the documented thyristor trigger path after a verified board fault.

Post-repair drive commissioning

Confirms connectors, diagnostics and controlled drive response before release.

ENGINEERING BOUNDARY

Match both PN-173122 and PN-173123 markings to the installed PowerFlex 755 75 kW hardware record. Isolate all drive power, prove the DC bus is at zero, preserve connector routing and complete controlled diagnostics before service release.

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Model-specific engineering questions

Q1. Which identifiers must match for Allen-Bradley PN-173122-PN-173123?

The exact-model source presents PN-173122 and PN-173123 together. Match both identifiers to the installed service record and board position before replacement.

Q2. Which drive application is documented for Allen-Bradley PN-173122-PN-173123?

The authorized exact-model record identifies a PowerFlex 755 frequency-converter application rated at 75 kW.

Q3. What function is assigned to Allen-Bradley PN-173122-PN-173123?

It is identified as an inverter thyristor trigger board that supports the drive power-stage trigger path.

Q4. Can Allen-Bradley PN-173122-PN-173123 be replaced by matching only one of the two PN markings?

No uncontrolled substitution is supported. Preserve the paired PN-173122 and PN-173123 identity and compare the complete installed hardware record before installation.

SOURCE IDENTIFIER

PN-173122 PN-173123; 750-IN001S-EN-P; 750-TG001G-EN-P; 750-PC106A-EN-P

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PN-173122 / PN-173123

Acceptance reference and related products

Q5. What must be recorded before disconnecting Allen-Bradley PN-173122-PN-173123?

Record the board position, orientation, every keyed connector, cable label, routing and the relationship to adjacent power-stage components.

Q6. What stored-energy test is required before servicing Allen-Bradley PN-173122-PN-173123?

After isolating the drive, follow the Rockwell discharge procedure and measure the DC bus at the designated test points; voltage must be zero before service.

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02	Allen-Bradley 81001-450-53-R	View Allen-Bradley 81001-450-53-R page
03	Allen-Bradley 81001-450-51-R	View Allen-Bradley 81001-450-51-R page
04	Allen-Bradley 80190-220-01-R	View Allen-Bradley 80190-220-01-R page
05	Allen-Bradley 81000-199-51-R	View Allen-Bradley 81000-199-51-R page
06	Allen-Bradley 80190-640-02-R	View Allen-Bradley 80190-640-02-R page
07	Allen-Bradley 80190-600-01-R	View Allen-Bradley 80190-600-01-R page
08	Allen-Bradley 80190-540-05-R	View Allen-Bradley 80190-540-05-R page
09	Allen-Bradley 80190-540-02-R	View Allen-Bradley 80190-540-02-R page
10	Allen-Bradley 80190-099-01/7	View Allen-Bradley 80190-099-01/7 page
11	Allen-Bradley 80190-100-01-R	View Allen-Bradley 80190-100-01-R page
12	Allen-Bradley 80190-299-01/9	View Allen-Bradley 80190-299-01/9 page

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