

PN-173122-PN-173123

Thyristor Trigger Board

INSTALLATION | CONNECTION | COMMISSIONING | ACCEPTANCE

CONTROLLED WORK SEQUENCE

1

VERIFY

2

ISOLATE

3

CONNECT

4

TEST

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.

CONTROLLED PREREQUISITES

Exact identity

Verify PN-173122-PN-173123 against the nameplate and controlled record.

Approved system

Confirm the documented PowerFlex 755 75 kW drive platform system position and interfaces.

Evidence

Use PN-173122 PN-173123; 750-IN001S-EN-P; 750-TG001G-EN-P; 750-PC106A-EN-P for the published technical and installation boundary.

RELATED PRODUCTS ON APTER POWER

01 Allen-Bradley 80190-320-23-R

[View Allen-Bradley 80190-320-23-R page](#)

02 Allen-Bradley 80190-478-51

[View Allen-Bradley 80190-478-51 page](#)

03 Allen-Bradley 80190-560-02-R

[View Allen-Bradley 80190-560-02-R page](#)

04 Allen-Bradley 80190-580-01-R

[View Allen-Bradley 80190-580-01-R page](#)

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PN-173122 / PN-173123

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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Installation and connection sequence

STEP 1

Verify the complete PN-173122-PN-173123 identity and the assigned PowerFlex 755 75 kW board position before work.

STEP 2

Stop the drive, isolate every power source and follow the documented lockout procedure before opening the cabinet.

STEP 3

Wait the documented discharge period and measure the DC bus at the specified test points; proceed only after it reads zero.

STEP 4

Use grounded ESD controls and handle PN-173122-PN-173123 only by protected board edges.

STEP 5

Record every connector, cable label, board orientation and adjacent component relationship before disconnection.

STEP 6

Compare both replacement identifiers and the installed drive hardware record; do not substitute a single unmatched board reference.

RELATED PRODUCTS ON APTER POWER

01	Allen-Bradley 80190-320-23-R	View Allen-Bradley 80190-320-23-R page
02	Allen-Bradley 80190-478-51	View Allen-Bradley 80190-478-51 page
03	Allen-Bradley 80190-560-02-R	View Allen-Bradley 80190-560-02-R page
04	Allen-Bradley 80190-580-01-R	View Allen-Bradley 80190-580-01-R page

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Commissioning and acceptance

CHECK 1

Seat each keyed connector without force and restore the recorded cable routing, shielding and grounding arrangement.

CHECK 2

Re-energize through the approved sequence, review drive diagnostics and prove controlled power-stage response before release.

CHECK 3

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,

CHECK 4

Retain the final PN-173122-PN-173123 identity, wiring, diagnostic and acceptance record.

RELATED PRODUCTS ON APTER POWER

01	Allen-Bradley 333299-A01	View Allen-Bradley 333299-A01 page
02	Allen-Bradley 81000-199-53-R	View Allen-Bradley 81000-199-53-R page
03	Allen-Bradley 80190-560-01-R	View Allen-Bradley 80190-560-01-R page
04	Allen-Bradley 80190-320-03-R	View Allen-Bradley 80190-320-03-R page
05	Allen-Bradley 80026-529-01-R	View Allen-Bradley 80026-529-01-R page
06	Allen-Bradley 80026-044-06-R	View Allen-Bradley 80026-044-06-R page

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Acceptance reference and related products

Identity	Complete model PN-173122-PN-173123 verified
Installed system	PowerFlex 755 75 kW drive platform
Connections	Power, polarity, shielding, address or slot record completed
Controlled test	Diagnostics and intended process response accepted

RELATED PRODUCTS ON APTER POWER

01	Allen-Bradley 81004-286-52-R	View Allen-Bradley 81004-286-52-R page
02	Allen-Bradley 81001-451-63-R	View Allen-Bradley 81001-451-63-R page
03	Allen-Bradley 81001-451-61-R	View Allen-Bradley 81001-451-61-R page
04	Allen-Bradley 81001-450-53-R	View Allen-Bradley 81001-450-53-R page
05	Allen-Bradley 81001-450-51-R	View Allen-Bradley 81001-450-51-R page
06	Allen-Bradley 80190-220-01-R	View Allen-Bradley 80190-220-01-R page
07	Allen-Bradley 81000-199-51-R	View Allen-Bradley 81000-199-51-R page
08	Allen-Bradley 80190-640-02-R	View Allen-Bradley 80190-640-02-R page

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