

EMP II 3006

Enhanced Main Processor II Module

CONTROLLED ENGINEERING COPY

Confirm the complete EMP II 3006 identity, matching processor set, installed Tricon version, and approved application backup before exchanging a module; validate synchronization and diagnostics afterward.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	EMP II 3006
Manufacturer part	3006
Hardware type	3006
System family	Tricon version 9 controller



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01 PRE-INSTALLATION PLAN

- 1

Verify EMPII 3006 and the installed Tricon version 9 chassis before work.
- 2

Place the safety controller and process in the approved maintenance state.
- 3

Record the three processor identities, positions, revisions, and active diagnostics.
- 4

Back up the approved control application and configuration before module removal.
- 5

Use ESD controls and inspect the keyed main-chassis connector.

MATCHED HARDWARE

- Tricon version 9 main chassis
- two matching 3006 processor modules
- approved Tricon application
- triplicated I/O and communication buses

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	EMPII 3006 / 3006 recorded
Physical interface	Tricon version 9 main chassis
Companion check	two matching 3006 processor modules
Functional proof	Executes one channel of the triplicated Tricon version 9 control program
Application test	Legacy Tricon version 9 safety control

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product number	3006
Processor generation	Enhanced Main Processor II
Tricon version	9
Memory	2 MB
Controller architecture	Three main processors per Tricon system

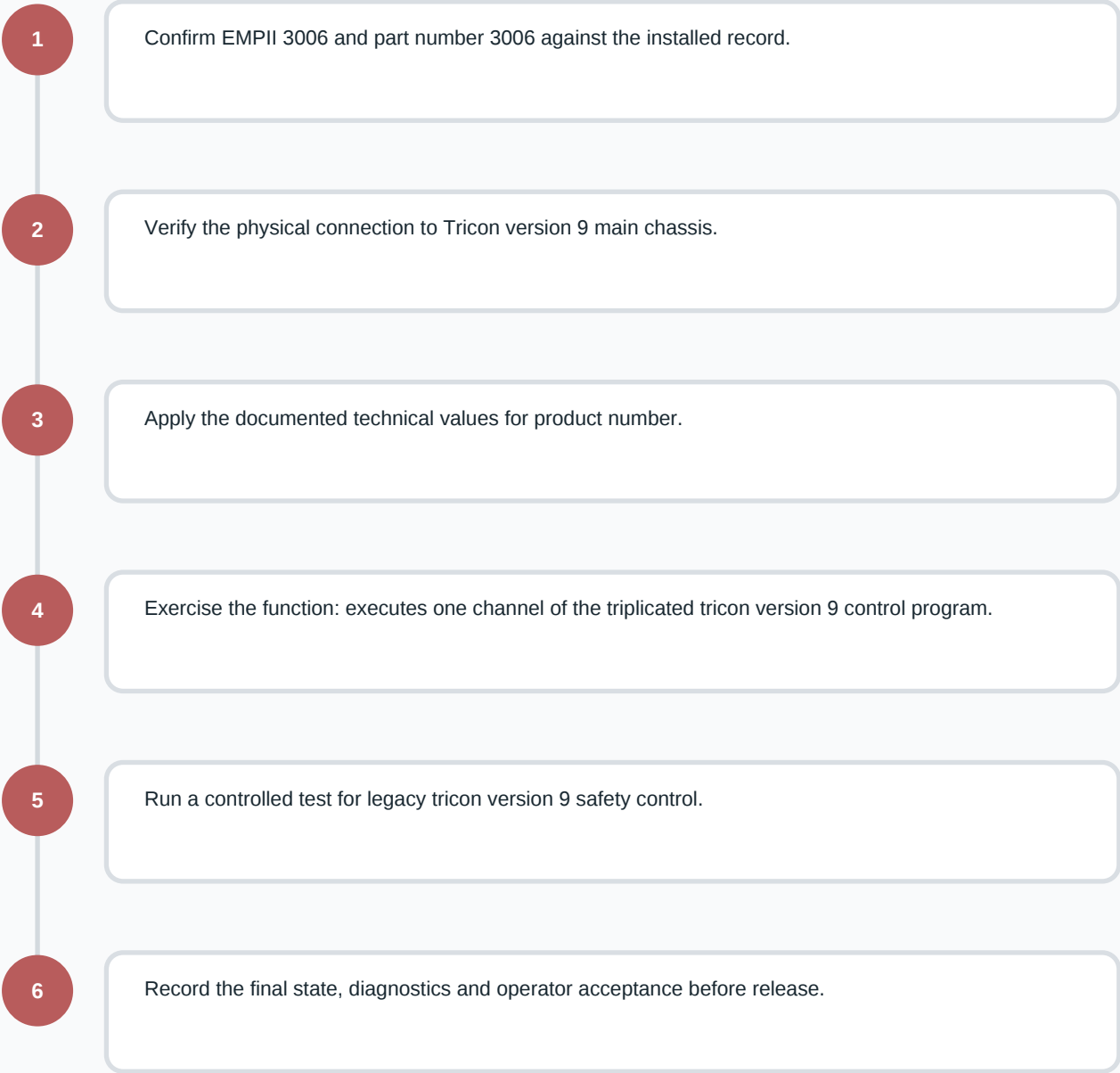
SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	Tricon version 9 main chassis
Companion hardware	two matching 3006 processor modules
Field connection	approved Tricon application
Primary system function	Executes one channel of the triplicated Tricon version 9 control program
Controlled acceptance duty	Legacy Tricon version 9 safety control

FIELD NOTE

Confirm the complete EMPII 3006 identity, matching processor set, installed Tricon version, and approved application backup before exchanging a module; validate synchronization and diagnostics afterward.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	EMPII 3006 / 3006 recorded
Physical interface	Tricon version 9 main chassis
Companion check	two matching 3006 processor modules
Functional proof	Executes one channel of the triplicated Tricon version 9 control program
Application test	Legacy Tricon version 9 safety control

04 RETURN-TO-SERVICE RECORD

- ☐ Do not transfer 3008 or other-generation processor specifications to EMPII 3006.
- ☐ Confirm all three processors synchronize and communicate with the I/O subsystem.
- ☐ Validate control execution, fault reporting, and the intended safety response before service.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

TECHNICIAN

DATE

CABINET / POSITION

FINAL DIAGNOSTIC STATE

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Triconex 3504E	High-Density Digital Input Module	Open product page
Triconex 3008	Main Processor Module	Open product page
Triconex 4210	Remote Extender Module Set	Open product page
Triconex 4119A	Enhanced Intelligent Communication Module	Open product page

SOURCE IDENTIFIERS

Triconex Lifecycle Phase Report

Standard Tricon Product Lifecycle and Compatibility Report

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