

A86L-0001-0235

CNC MDI keyboard PCB assembly

CONTROLLED ENGINEERING COPY

Record both board markings and every cable position before removal, isolate CNC control power and use ESD controls. After installation, verify each required MDI key in a controlled maintenance screen before returning the machine to automatic operation.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	A86L-0001-0235
Manufacturer part	A86L-0001-0235
Hardware type	A86L-0001-0235
System family	FANUC CNC operator-panel interface



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete A86L-0001-0235 part marking together with the N860-3755-T901 02A keyboard-board identifier before panel work.
- 2

Place the CNC and connected machine in the approved maintenance state before opening the operator panel.
- 3

Isolate CNC control power and prove the required safe state before disconnecting either keyboard-board connector.
- 4

Photograph and label both cable orientations so that each harness returns to its original connector position.
- 5

Use ESD controls and handle the PCB only by its edges; protect switch caps, solder joints and exposed contacts.

MATCHED HARDWARE

- installed FANUC CNC operator panel
- matching front key overlay and legend plate
- documented keyboard cable harnesses
- approved CNC maintenance and diagnostic screen

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	A86L-0001-0235 / A86L-0001-0235 recorded
Physical interface	installed FANUC CNC operator panel
Companion check	matching front key overlay and legend plate
Functional proof	Forms the local MDI keyboard input surface for the installed CNC panel
Application test	CNC MDI command-entry restoration

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Part number	A86L-0001-0235
Component type	CNC MDI keyboard PCB assembly
Keyboard board identifier	N860-3755-T901
Board revision	02A
Assembly marking	N86D-3755-R001/02
Country marking	MADE IN JAPAN

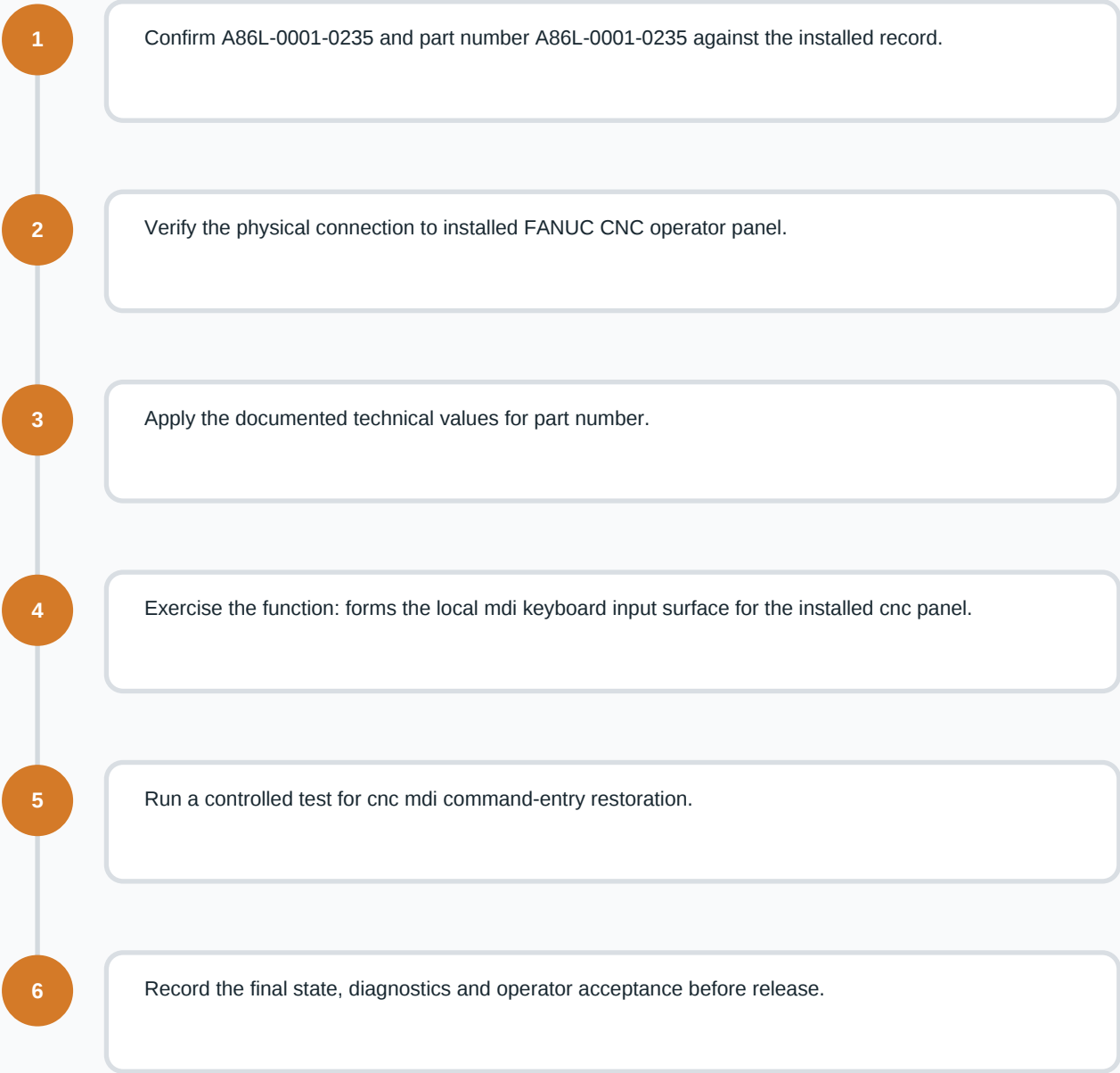
SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	installed FANUC CNC operator panel
Companion hardware	matching front key overlay and legend plate
Field connection	documented keyboard cable harnesses
Primary system function	Forms the local MDI keyboard input surface for the installed CNC panel
Controlled acceptance duty	CNC MDI command-entry restoration

FIELD NOTE

Record both board markings and every cable position before removal, isolate CNC control power and use ESD controls. After installation, verify each required MDI key in a controlled maintenance screen before returning the machine to automatic operation.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	A86L-0001-0235 / A86L-0001-0235 recorded
Physical interface	installed FANUC CNC operator panel
Companion check	matching front key overlay and legend plate
Functional proof	Forms the local MDI keyboard input surface for the installed CNC panel
Application test	CNC MDI command-entry restoration

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm that the replacement front key overlay and legends correspond to the installed machine functions.
- ☐
- Reseat both connectors evenly, inspect for displaced contacts and restore panel hardware without stressing the PCB.
- ☐
- Test every required MDI, edit, navigation and machine-function key on a controlled screen before automatic operation.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	A86L-0001-0235
INSTALLED POSITION	Documented FANUC CNC operator-panel interface position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
IC693CMM321-KM	Related GE Fanuc CNC control product	View IC693CMM321-KM page
IC693ALG391G	Related GE Fanuc CNC control product	View IC693ALG391G page
DS200TCEAG1BSF	Related GE Fanuc CNC control product	View DS200TCEAG1BSF page
IC694PWR321	Related GE Fanuc CNC control product	View IC694PWR321 page
IC600BF843	Related GE Fanuc CNC control product	View IC600BF843 page
IC695NIU001-ADAD	Related GE Fanuc CNC control product	View IC695NIU001-ADAD page
IC693MDL742	Related GE Fanuc CNC control product	View IC693MDL742 page
IC693ALG391	Related GE Fanuc CNC control product	View IC693ALG391 page

SOURCE IDENTIFIERS

Physical unit markings and FANUC CNC Parts Support
A86L-0001-0235 / N860-3755-T901 02A / N86D-3755-R001/02

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