

IC670GBI001

GE Fanuc Field Control Genius Bus Interface Unit

CONTROLLED ENGINEERING COPY

Confirm IC670GBI001, installed GE Fanuc Field Control power supply, network address, bus termination and the configured I/O map before connecting the station to the host.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC670GBI001
Manufacturer part	IC670GBI001
Hardware type	IC670GBI001
System family	GE Fanuc Field Control distributed I/O



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



01 PRE-INSTALLATION PLAN

- 1

Verify the complete IC670GBI001 catalog marking and assigned Field Control position before work.
- 2

Place the connected Genius process in its approved maintenance state before disturbing the station.
- 3

Isolate BIU and field power, then confirm a safe condition at the IC670GBI001 terminal block.
- 4

Label and record network conductors, shield, termination and field-power wiring before disconnecting any conductor from IC670GBI001.
- 5

Use ESD controls and protect the module connector, terminal block keying and exposed electronics.

MATCHED HARDWARE

- Genius network
- Field Control terminal block
- Up to eight compatible I/O modules
- installed GE Fanuc Field Control power supply

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	IC670GBI001 / IC670GBI001 recorded
Physical interface	Genius network
Companion check	Field Control terminal block
Functional proof	Connects the station to Genius
Application test	Genius bus interface field station

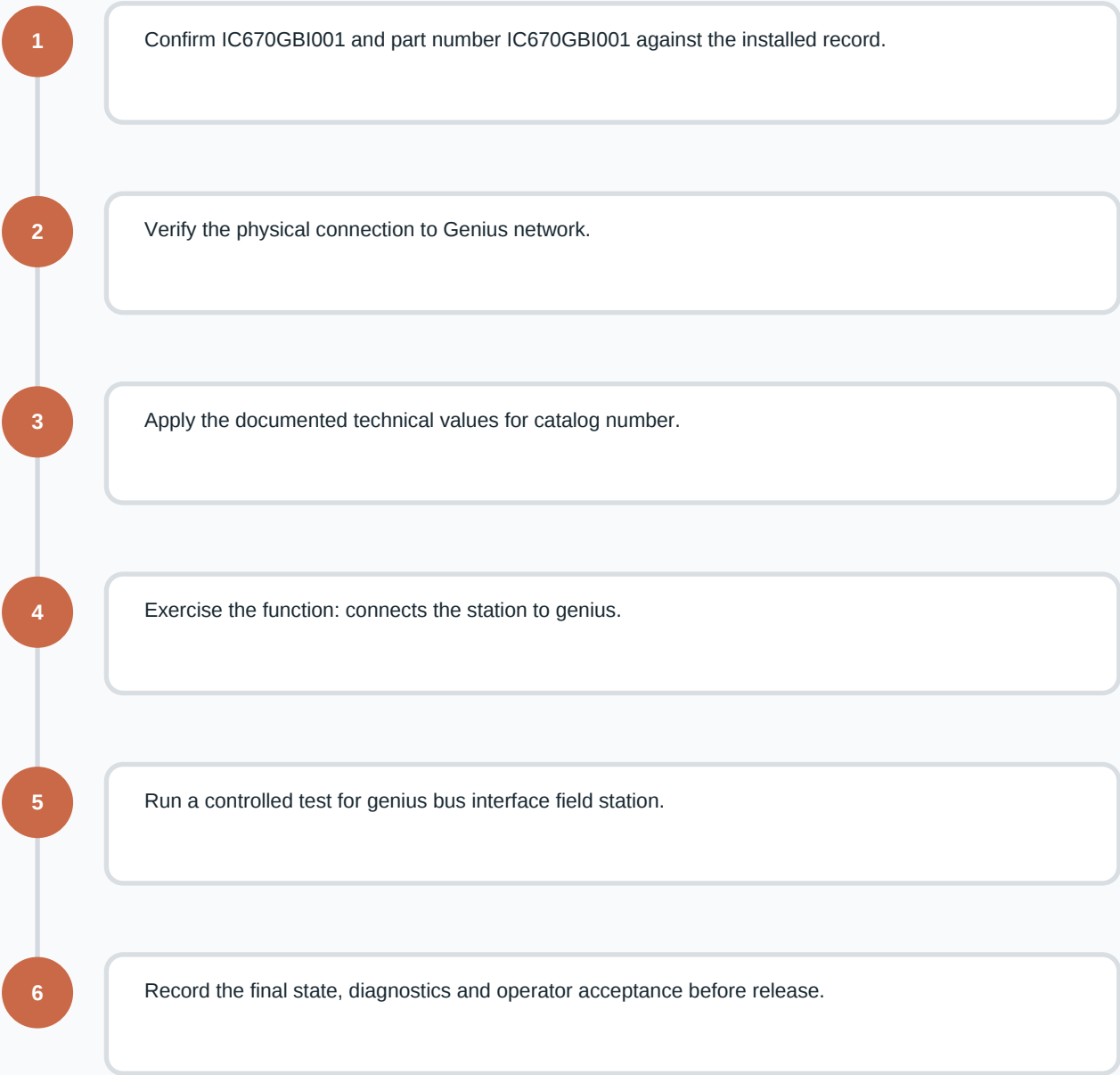
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Catalog number	IC670GBI001
Network	Genius bus
Station capacity	Up to 8 Field Control I/O modules
Input data capacity	Up to 128 bytes
Output data capacity	Up to 128 bytes
Bus devices per network	Up to 32
Supported station device numbers	0 to 31
Terminal block mounting	35 x 7.5 mm DIN rail
Host data interface	Genius global data and directed control data

FIELD NOTE

Confirm IC670GBI001, installed GE Fanuc Field Control power supply, network address, bus termination and the configured I/O map before connecting the station to the host.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	IC670GBI001 / IC670GBI001 recorded
Physical interface	Genius network
Companion check	Field Control terminal block
Functional proof	Connects the station to Genius
Application test	Genius bus interface field station

04 RETURN-TO-SERVICE RECORD

- ☐
- Restore only the documented station address, data map and module configuration; do not copy settings from an adjacent module.
- ☐
- Energize in a controlled sequence and review PWR, channel, module and network diagnostics.
- ☐
- Complete network communication, module recognition and I/O response tests and retain the final result before returning the process to service.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	IC670GBI001
INSTALLED POSITION	Documented GE Fanuc Field Control distributed I/O 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
IC694ALG221A	Related GE product	View IC694ALG221A page
IC694MDL645D	Related GE product	View IC694MDL645D page
IC694MDL645A	Related GE product	View IC694MDL645A page
IC693CMM321-KM	Related GE product	View IC693CMM321-KM page
IC693ALG391G	Related GE product	View IC693ALG391G page
MMLG02R1AA0001E	Related GE product	View MMLG02R1AA0001E page
IC695PSD040F	Related GE product	View IC695PSD040F page
151X1225DF01PC03RA	Related GE product	View 151X1225DF01PC03RA page

SOURCE IDENTIFIERS

GE Fanuc Field Control Genius Bus Interface Unit User's Manual
GFK-0825F

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