IC697CPU782

Series 90-70 Expandable Floating-Point CPU

INSTALLATION, INTERFACE AND VALIDATION WORKBOOK

GE IC697CPU782 is a Series 90-70 Expandable Floating-Point CPU for the Series 90-70 PLC. It provides the documented field interface or control function in the configured system.

STEP	GATE	ENGINEERING PURPOSE
01	IDENTIFY	Confirm article, host and hardware
02	ISOLATE	Secure power and stored energy
03	CONNECT	Restore documented interfaces
04	VALIDATE	Prove diagnostics and function

WORKBOOK PURPOSE

Field-ready identity, isolation, connection, commissioning and closeout records for this exact General Electric article.

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IC697CPU782

Installation Readiness Gate

Complete the identity, host-system and isolation checks before disturbing the installed hardware.

1. Confirm the full IC697CPU782 catalog marking and installed Series 90-70 PLC position before work.
2. Isolate the station supply and connected field energy using the approved procedure.
3. Record every terminal, common, shield, connector and configured point before removal.
4. Use ESD controls and protect backplane, terminal and connector contacts from contamination.

Pre-Work Evidence

EVIDENCE ITEM	RECORDED VALUE
Complete article marking	IC697CPU782
Host / carrier	Series 90-70 PLC
Primary system role	Provides the documented series 90-70 expandable floating-point cpu function
Acceptance boundary	Complete a controlled signal or load test before returning the station to service.
Source record	Series 90-70 Programmable Controller Data Sheet Manual

WORK AUTHORIZATION RECORD

Work order: _____ Drawing / revision: _____
Checked by: _____ Date: _____

Isolation and Access Register

CONTROL POINT	ENGINEER RECORD
Incoming supply	Isolated / proved
Stored energy	Discharged / proved
Field connections	Identified / protected
ESD control	Established / recorded

Pre-Work Documentation

DOCUMENT	ENGINEER RECORD
Connection photograph	Reference / file
Configuration backup	Reference / revision
Diagnostic baseline	Reference / result

Connection and Installation Sequence

INSTALLATION PRINCIPLE

Install IC697CPU782 only in the documented Series 90-70 PLC position. Preserve the as-found terminal mapping and configuration, then verify diagnostics and the affected field function under controlled conditions.

1. Verify each documented value for IC697CPU782 against the installed host and field circuit.
2. Restore the approved terminal assembly, power grouping and configuration record.
3. Energize in the prescribed sequence and review module, bus and point diagnostics.
4. Complete a controlled signal or load test before returning the station to service.

Connection Record

CONNECTION GROUP	AS-FOUND / AS-LEFT RECORD	STATUS
Power / field connection	Reference / terminal	Checked
Signal / interface	Reference / connector	Checked
Ground / shield	Reference / point	Checked
Accessory / carrier	Reference / part	Checked

MODEL-SPECIFIC RELEASE LIMIT

Confirm IC697CPU782, Series 90-70 PLC host, hardware revision, terminal or connector type, power and signal ranges, wiring, grounding, bus configuration, companion accessories and controlled commissioning results before service release.

Interface Acceptance Criteria

ACCEPTANCE ITEM	REQUIRED EVIDENCE
Identity	IC697CPU782
Host match	Series 90-70 PLC
Connection proof	Restore the approved terminal assembly, power grouping and configuration record.
Configuration proof	Energize in the prescribed sequence and review module, bus and point diagnostics.

Commissioning and Acceptance Record

Record each controlled verification step before the equipment returns to automatic operation.

NO.	ACCEPTANCE CHECK	RESULT	RECORD
1	Article and host identity	PASS / FAIL	Initial / date
2	Mechanical installation	PASS / FAIL	Initial / date
3	Power and field wiring	PASS / FAIL	Initial / date
4	Grounding and shielding	PASS / FAIL	Initial / date
5	Configuration restoration	PASS / FAIL	Initial / date
6	Signal or power-path response	PASS / FAIL	Initial / date
7	Diagnostics and alarms	PASS / FAIL	Initial / date
8	Final functional release	PASS / FAIL	Initial / date

Engineering Notes

RECORD AREA	ENGINEER ENTRY
As-found condition	
Corrective action	
As-left configuration	
Outstanding restriction	
Release authorization	

CONTROLLED COMMISSIONING

Complete a controlled signal or load test before returning the station to service.

Diagnostics and Release Log

EVENT	ENGINEERING RECORD
Initial energization	Result / observation
Interface or signal response	Result / observation
Alarm and diagnostic review	Result / observation
Functional release	Name / date

ACCEPTANCE AND RELEASE EVIDENCE

Series 90-70 PLC station maintenance

Restores the documented series 90-70 expandable floating-point cpu function in an engineered station.

Distributed I/O refurbishment

Uses exact IC697CPU782 identity when rebuilding the recorded field interface.

Control-panel modernization

Preserves the approved terminal, power and communications arrangement during migration work.

Controlled recommissioning

Verifies point mapping, diagnostics and field response before process release.

Maintenance Verification and Closeout

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Related Engineering Pages

MODEL	ENGINEERING ROLE	APTER POWER PAGE
IS215WEPAH2B	product page	View IS215WEPAH2B page
IS215AEPCH2F	product page	View IS215AEPCH2F page
IS210AEBIH3B	product page	View IS210AEBIH3B page
IS200STCIH2AED	product page	View IS200STCIH2AED page
IC693PWR331D	product page	View IC693PWR331D page
8811-IO-DC	product page	View 8811-IO-DC page
DS200TCEAG1BSF	product page	View DS200TCEAG1BSF page
IC693MDL741C	product page	View IC693MDL741C page

MANUFACTURER SOURCE RECORD

Series 90-70 Programmable Controller Data Sheet Manual
GFK-0600F

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