ProSoft 2150-AGA 1747-KE

Installation & Application Review Guide

01 Dual-label identity and work boundary

Identify the offered assembly

The photographed assembly carries ProSoft 2150-AGA (622E) and Allen-Bradley 1747-KE labels. The base label identifies SLC 500 hardware, Series C and FRN 4. Keep the complete offered marking 2150-AGA 1747-KE in the maintenance record; the base catalog number alone does not identify the ProSoft application.

Separate hardware and application instructions

The Allen-Bradley manual 1747-UM005B-EN-P describes the standard 1747-KE interface. Use it to understand the base-hardware arrangement. Do not apply its standard firmware menus, default settings or DF1 operating modes to the ProSoft application without matching application instructions.

Preserve the installed configuration

Before removal, retain the controller program, module slot, application revision, communication map and calculation configuration. Record both labels and all accessible connector and jumper positions. Treat the base FRN and the ProSoft software revision as separate identifiers.

Control the maintenance boundary

Establish the effect of stopping the installed application and put the process into the authorized maintenance state. Remove SLC chassis power before insertion or removal. Protect connected circuits and use ESD precautions when the board or contacts are exposed.

Use the flow-software reference correctly

SIMT report 200303-3-601365 includes 2150-AGA in its AFC turbine-flow software assessment. It supports the software-family context, not the firmware identity, wiring or complete performance of this particular assembly.

Application review matrix

ProSoft application	2150-AGA (622E), on the separate applied label
Allen-Bradley base	1747-KE; SLC 500 interface hardware
Base revision marks	Series C and FRN 4; not the ProSoft software revision
Record to match	Both labels, installed project and application configuration

Reference basis

Allen-Bradley DH-485/RS-232C Interface Module User Manual, 1747-UM005B-EN-P, March 2006; supplied dual-label product photograph

02 Hardware inspection and connection preservation

Record the chassis and supply context

The standard 1747-KE design uses both 5 V DC and 24 V DC from the SLC backplane. Record the actual power-supply and link-coupler arrangement. Do not import a seller rating or assume that every ProSoft-modified assembly has the standard-module load.

Preserve the electrical-mode selections

CONFIG and DF1 electrical modes in the base design are selected with hardware jumpers. Photograph and label the existing positions before disconnection. Use the installed ProSoft application instructions to decide whether a setting may be changed.

Treat DH-485 coupling separately

The base DH-485 port is non-isolated. The standard design uses a link coupler for a multi-node network. Compare the actual installed cable and coupler arrangement before reconnecting; hardware port names do not establish which protocol the ProSoft application runs.

Protect retained data

A battery is visible on the supplied board. The standard base design uses battery-backed configuration RAM, so establish the applicable ProSoft retention procedure before disconnecting or servicing the battery. A battery change is not an identification step.

Inspect before reassembly

Check the enclosure, retention features, connector contacts and board condition. Keep the supplied assembly complete and avoid contact with exposed components. Preserve the original cable labels and slot assignment so reconnection can be checked against the pre-work record.

Application review matrix

Base chassis connection	SLC backplane; preserve the recorded slot
Base supply architecture	Both 5 V DC and 24 V DC rails are required
CONFIG electrical mode	Base-hardware jumper selection; retain installed setting
DF1 electrical mode	Separate base-hardware jumper selection
DH-485 hardware	Non-isolated port; compare the actual coupling arrangement
Retention hardware	Battery visible; secure application records before service

03 Replacement decision and commissioning boundary

Compare application identity first

A replacement must match the installed ProSoft application and its required firmware or configuration. An ordinary 1747-KE with the same housing or Series C label is not automatically equivalent. Obtain manufacturer guidance where the application identity differs.

Retain the original program context

Use the saved controller project to compare the module data map, expected values and failure handling. Do not reset defaults, load standard Allen-Bradley firmware or change mode jumpers merely to make an unfamiliar module respond.

Reconnect under the approved procedure

With the system in the established safe state, preserve the slot, jumper positions and cable destinations recorded before removal. Apply the documented ProSoft installation and configuration procedure for the actual application revision.

Prove the complete application

The responsible engineer should verify known input cases, communication exchange, calculated results and fault response against the installed application requirements. A power indication or successful serial connection alone is not acceptance of a flow-computation application.

Release only with an application record

Keep the final controller project, application configuration, test results and both label identities together. Record any unresolved difference before release; use a manufacturer-approved recovery plan instead of repeated firmware or jumper changes.

Application review matrix

Identity acceptance	Both base and application labels match the approved requirement
Configuration acceptance	Application revision, data map and calculation setup agree
Connection acceptance	Slot, cables and jumper positions match the recorded arrangement
Functional acceptance	Known application cases produce the expected validated results
Failure acceptance	Communication loss and invalid data cause the intended response
Release record	Retain the project, configuration, label photos and test results

04 Handover, support and related portfolio

Keep the two revision records

Store the Allen-Bradley Series C / FRN 4 label separately from the ProSoft 2150-AGA application identity. The photograph establishes the labels present on the supplied unit; it does not identify the contents of the installed memory.

Request current support guidance

The current manufacturing and support phase of the complete dual-label assembly has not been established. Ask ProSoft using both labels, the application revision and the SLC project. The AFC software test report is not a lifecycle declaration.

Separate condition from configuration

The offered condition is New, original product, as confirmed for this publication. Confirm the complete assembly and included connector accessories in the quotation. Application suitability and manufacturer support require their own engineering assessment.

Related ProSoft references

Portfolio navigation only; no compatibility or substitution is implied.

ProSoft MVI71-AFC	View product
ProSoft MVI69-ADMNET	View product
ProSoft MVI94-ADM	View product
ProSoft PTQ-PDPMV1	View product

Discuss the complete offered reference

Send label photos, quantity and the installed application reference. Condition: New, original product.

sales13@apterpower.com | +86 18030235313

Document scope

The photograph identifies ProSoft 2150-AGA on 1747-KE Series C hardware. The Allen-Bradley manual is a base-hardware reference; its standard firmware menus and DF1 behavior do not establish the ProSoft application configuration.

SIMT turbine-flow software test report 200303-3-601365.