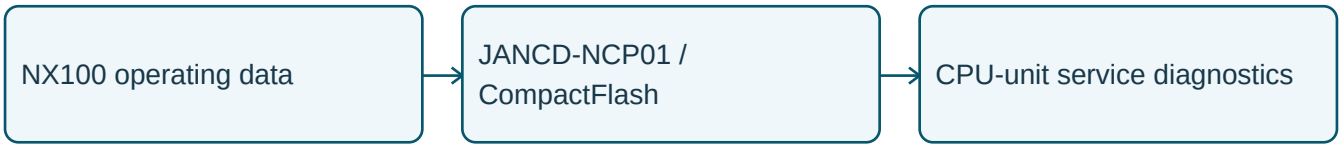
JANCD-NCP01

01 / System identity and preparation

YASKAWA JANCD-NCP01 occupies the main CPU-board role in an NX100 robot controller, alongside separate servo-control, interface and I/O hardware.



Preparation priorities

Board identity	Compare JANCD-NCP01, the fitted revision and Motoman reference 150205-1 with the installed NX100 controller.
CPU-unit arrangement	Identify the main CPU board separately from the servo-control, interface and I/O boards. Match the controller and robot-specific arrangement.

Guide boundary

This Apter Power guide organizes preparation and acceptance checks. Apply the manufacturer instructions and approved site procedure for detailed wiring, mounting, configuration and functional testing.

Application boundary

NX100 controller diagnostic and configuration information is distinct from the board electrical ratings. Match the complete board marking and installed controller execution.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

02 / Configuration review before service

Board identity	Compare JANCD-NCP01, the fitted revision and Motoman reference 150205-1 with the installed NX100 controller.
CPU-unit arrangement	Identify the main CPU board separately from the servo-control, interface and I/O boards. Match the controller and robot-specific arrangement.
Stored configuration	Preserve NX100 internal data and identify the NCP01 CompactFlash before replacement or initialization.
Functional acceptance	Review diagnostic alarms and verify the restored configuration and affected robot functions under the approved Yaskawa service procedure.

Match the controller execution

Use the complete JANCD-NCP01 marking and installed NX100 configuration. A shared controller family does not by itself prove that every board revision is interchangeable.

Preserve controller data

Back up the NX100 internal data before service. Record the CompactFlash and controller configuration so that a replacement board is not treated as a complete configured controller.

Mismatch decision

Resolve a different catalog marking, interface, software requirement or installed configuration before proceeding. Physical similarity alone does not establish an approved replacement.

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03 / Hardware and interface checks

Separate board roles

Distinguish the NCP01 main CPU board from the servo-control, interface and I/O boards. Do not transfer another board's memory or electrical ratings to this part.

Record alarms and subcodes

Save the complete CPU, bus, ROM or file-backup alarm information before replacement. Use the diagnostic procedure for the actual fault instead of replacing hardware solely from a general symptom.

Key hardware references

Board designation	JANCD-NCP01
Product function	Main CPU board
Motoman spare-part reference	150205-1
Operating-data storage	CompactFlash associated with the NCP01 board

Preserve the connection record

Photograph and label the affected connections before disconnection. Retain the original routing, module positions and identification with the work order, and compare the restored installation against that record.

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04 / Commissioning and diagnostic decisions

Control initialization work

Initialization can affect stored configuration. Have qualified personnel follow the applicable Yaskawa procedure and preserve the required data before changing the controller setup.

Validate the restored controller

Check the restored hardware identity, configuration and affected robot functions before operational release. Resolve persistent alarms through the manufacturer service process.

Acceptance checkpoints

Before energization	Identify the main CPU board separately from the servo-control, interface and I/O boards. Match the controller and robot-specific arrangement.
Configuration review	Preserve NX100 internal data and identify the NCP01 CompactFlash before replacement or initialization.
Functional release	Review diagnostic alarms and verify the restored configuration and affected robot functions under the approved Yaskawa service procedure.

Abnormal result

If diagnostics, communication or functional response differ from the approved baseline, stop the release and resolve the configuration or installation issue. Do not bypass an interlock or protective function to obtain a passing test.

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05 / Service record and technical references

Lifecycle and support

The Motoman spare-parts entry 150205-1 marks the NX100 CPU board as OBS. Confirm current replacement and service arrangements for the complete JANCD-NCP01 execution with Yaskawa.

Technical basis

Yaskawa Motoman JANCD-NCP01 spare-part entry 150205-1; NX100 controller-spares references and Knowledge Center alarm references 0800, 0910, 0920 and 1000.

Applicability

NX100 controller diagnostic and configuration information is distinct from the board electrical ratings. Match the complete board marking and installed controller execution.

Related portfolio references

YASKAWA CIMR-G7A4011

YASKAWA MV1000 YPHS31122-1D 7910161-30400-S0104

YASKAWA CPCR-FR01RB-T3L

YASKAWA JEPMC-CP200

Navigation only. These listings are not confirmed replacements, compatible accessories or included items.

Handover record

Retain the complete fitted marking, hardware/software revision where applicable, connection record and accepted test results. Confirm separate accessories and documents in the quotation.

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