ABB CDP312R

01 Identify the selected drive

1. **Identify the selected drive**
2. Preserve the current settings
3. Transfer only compatible parameters
4. Review fault and actual-value behavior
5. Restore the control handover

Work sequence

Read the drive ID, control-state indicator and run state before making changes. Record the firmware/application identity and establish the approved machine maintenance state. On a panel link, confirm that the station address belongs to the intended drive.

Acceptance condition

The operator can identify the selected drive independently of the physical panel location.

Display	LCD, 4 lines × 20 characters
Actual signals displayed	3 simultaneously

Command authority: Panel navigation does not change the responsibility for local and external control. Confirm the selected drive and control state before issuing commands.

Record the observed condition, test method and result for this stage. Resolve any difference before moving to preserve the current settings.

ABB CDP312R

02 Preserve the current settings

1. Identify the selected drive
2. **Preserve the current settings**
3. Transfer only compatible parameters
4. Review fault and actual-value behavior
5. Restore the control handover

Work sequence

Capture the source configuration before editing or copying. Keep motor data and option-module settings separately because they are not covered by a normal groups 1–97 download. Label the backup with the installed drive identity.

Acceptance condition

The backup origin and its transfer limits are known.

Control keys	7 drive-control functions
Idle display return	Actual-signal mode after 1 minute

Parameter-copy boundary: Keep a verified parameter backup and separate motor-identification and option configuration from the normal download scope.

Record the observed condition, test method and result for this stage. Resolve any difference before moving to transfer only compatible parameters.

ABB CDP312R

03 Transfer only compatible parameters

1. Identify the selected drive
2. Preserve the current settings
3. **Transfer only compatible parameters**
4. Review fault and actual-value behavior
5. Restore the control handover

Work sequence

Stop the destination drive and confirm matching firmware/application before downloading. Review motor and option setup separately and avoid copying a start-up state from an unrelated machine. Use the panel function indications to follow the selected transfer direction.

Acceptance condition

The destination parameters agree with the intended application rather than merely matching an old panel memory.

Default download groups	1–97
Excluded by default	Groups 98/99 and motor-identification results

Fault interpretation: Retain fault history before reset. Compare displayed faults with the drive state and the actual machine condition.

Record the observed condition, test method and result for this stage. Resolve any difference before moving to review fault and actual-value behavior.

ABB CDP312R

04 Review fault and actual-value behavior

1. Identify the selected drive
2. Preserve the current settings
3. Transfer only compatible parameters
4. **Review fault and actual-value behavior**
5. Restore the control handover

Work sequence

Use the actual-value display to compare the chosen signals with the machine state. Inspect fault history before clearing it and resolve active warnings or faults. Check that a reset does not conceal a recurring condition.

Acceptance condition

Displayed values and retained diagnostics support a stable operating state.

PAR workflow	Select parameter group and value; accept edits with ENTER
FUNC workflow	Assistants, upload, download and contrast

Command authority: Panel navigation does not change the responsibility for local and external control. Confirm the selected drive and control state before issuing commands.

Record the observed condition, test method and result for this stage. Resolve any difference before moving to restore the control handover.

ABB CDP312R

05 Restore the control handover

1. Identify the selected drive
2. Preserve the current settings
3. Transfer only compatible parameters
4. Review fault and actual-value behavior
5. **Restore the control handover**

Work sequence

Check the required external reference and start/stop source. Return the panel to the intended remote state before removal and confirm normal supervisory control. Keep the accepted parameter record with the service handover.

Acceptance condition

The machine responds through the intended control source with the final configuration retained.

Start-up assistant exclusions	Scalar mode, locked parameters or assistant selection disabled
Fault-history clearing	Unavailable while faults or warnings remain active

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Related products require separate compatibility assessment. Retain the final configuration and signed test outcome.