

Inventor flat-pattern update automation

CAD-040 / REV A / 2026.09.01

Keep derived flat geometry current before dimensions, properties or exports are generated. Work on a copy first. Record application version, units and active document/configuration. Names below identify the catalogued workflow; they do not claim a particular button layout or verified implementation.

STATUS	Recovered/Partial
CLASSIFICATION	CAD
MATERIAL	CAD / AUTOMATION
DISPOSITION	PUBLIC / RECOVERED/PARTIAL
CATEGORY	CAD / Scanning / Automation
RECORD TYPE	how-to

TECHNICAL NOTES

Keep derived flat geometry current before dimensions, properties or exports are generated.

GOAL

Run the first test described in this guide and record the result for inventor flat-pattern update automation.

SOURCE STATE

Operational reference/specification; original rule or add-in source not inspected

PREPARATION / NOTES

Work on a copy first. Record application version, units and active document/configuration. Names below identify the catalogued workflow; they do not claim a particular button layout or verified implementation.

EQUIPMENT

- Inventor / iLogic
- Representative test model
- Measurement or inspection method

METHOD / STEPS

1. Check document type and determine whether the flat pattern exists.
2. Create it only when the model supports a valid unfold; otherwise stop with the feature failure recorded.
3. Update the document and inspect the flat pattern for changed orientation, reliefs or disconnected geometry.
4. Refresh dependent properties/exports only after the update succeeds.

THINGS TO WATCH FOR

A stale successful DXF should not remain labeled as current after a failed update. Suppressed or model-state geometry can alter the flat pattern.

FIRST TEST / WHAT TO RECORD

Changing a flange in a test copy updates both the flat geometry and its reported extents.

RESULT / WHERE THIS STANDS

Changing a flange in a test copy updates both the flat geometry and its reported extents.

TROUBLESHOOTING

- A stale successful DXF should not remain labeled as current after a failed update. Suppressed or model-state geometry can alter the flat pattern.

SPECIFICATION

TOOL PATH	Inventor / iLogic
DELIVERABLE	HOW-TO
VALIDATION	Representative model / known dimension
STATUS	Recovered/Partial

DEVELOPMENT HISTORY

2026.09.01 / Rev A

Imported as an independent manifest record; public copy keeps uncertainty visible.

REFERENCE NOTES

Autodesk reference

(<https://help.autodesk.com/view/INVNTOR/2024/ENU/?guid=GUID-772414ED-A283-4A02-878E-AD0A114F5BA3>).

HOW-TO SOURCES

Autodesk reference

<https://help.autodesk.com/view/INVNTOR/2024/ENU/?guid=GUID-772414ED-A283-4A02-878E-AD0A114F5BA3>

RELEASED MATERIAL / SOURCE LINKS

cad-040-public-summary.txt

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/cad-040-public-summary.txt>

RETURN TO THE LIVING RECORD

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This PDF preserves the public notes at this revision. Visit the record for updates and attached images.

<https://u225x.com/record/CAD-040>