

Replace-Part Change Order

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Replace-Part Change Order

Why we need to replace part in multiple BOMs:

- Many times, the reason to replace one part with another is due to obsoleting the original part.
- Current part is out of business, e.g. warranty, quality concerns and etc.
- Users might want to reduce costs by using a cheaper part or reduce weight by using a plastic part.

PLM limitation

- Users have no way to replace a part across multiple BOMs.

Solution

- Enhance Change Order to replace a part across multiple BOMs.

UX Design – Select Parts to Replace

AUTODESK PLM 360 > Dashboard > All Workspaces > Change Orders > CO000006 - Design and Feature Update - 2 - Medium

Workspaces + Create

Item Details
Affected Items
Change Tasks
Workflow Actions
Change Log

CO000006 - Design and Feature Update - 2 - Medium

State: Released Workflow Actions: No workflow actions available

# ^	Item	Lifecycle	Effectivity	From	To	Disposition
1	155-2012-000 - STEEL NUT [REV:w]		On Release			

Buttons: [Share] [Add] [Edit] [More]

Original part to be replaced

UX Design – Select New Part and Multiple BOMs

👤 CO000006 - Design and Feature Update - 2 - Medium

State: Released Workflow Actions: No workflow actions available

# ^	Item	Lifecycle	Effectivity	From
1	155-2012-000 - STEEL NUT [REV:w]		On Release	

Select New Part

Select Multiple BOMs having Original part

- 042-2001-000 - PLASTIC NUT - [REV:w]
Items and BOMs | Unreleased
- 042-0067-000 - RUBBER CONDUCTING WIRE - [REV:w]
Items and BOMs | Production
- 155-2009-000 - SCREW - STANDARD - [REV:w]
Items and BOMs | Unreleased
- 097-2000-000 - HEATSINK 55W Aluminum Extrusion [REV:w]
Items and BOMs | Production

- 000-1138-000 - CHAIR ASSEMBLY
 - Where Used
 - 155-2012-000 - STEEL NUT [REV:w]
- 000-1138-000 - DESK ASSEMBLY
 - Where Used
 - 155-2012-000 - STEEL NUT [REV:w]
- 000-1138-000 - IPHONE 7 [w]
 - Where Used
 - 155-2012-000 - STEEL NUT [REV:w]

Replace Cancel

UX Design – Affected Items

AUTODESK® PLM 360 > Dashboard > All Workspaces > Change Orders > CO000006 - Design and Feature Update - 2 - Medium

Workspaces + Create

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CO000006 - Design and Feature Update - 2 - Medium

State: Released **Workflow Actions:** No workflow actions available

# ^	Item	Lifecycle	Effectivity	From	To	Disposition
1	155-2012-000 - STEEL NUT [REV:w]		On Release			
	042-2001-000 - PLASTIC NUT - [REV:w]					

Shows original part and new part in different colors

Backend Design

<revisioning_WS>_LINKS

WF_REFERENCEID

BOM_LIST

Needs more analysis on this table

WF_ITEM_REFERENCE

wf_referenceid

pc_dmsid

item_dmsid

Description

transition_id

override_to_rev

replacement_part_wf_referenceid
(New that stores the FROM
wf_referenceid)

Is_replacement_wf_from_or_to

Thanks