

Engineering Change Impact Report

Packaging Machine Assembly 2407 — Case Packer, Washdown Upgrade

CHANGE	REVISION	TOP ASSEMBLY	FILES ANALYZED
ECO-0931	B-10482 Rev C → Rev D	2407-000 Rev F	5

SUMMARY

Rev D changes the product-guide bracket from 304 to 316 stainless, adds a third bracket per assembly, and upsizes the mounting fasteners from M8 to M10. Three items need action before release, two need an engineering decision, and one affects inventory on hand.

FINDINGS

FINDING	SEVERITY	EVIDENCE	RECOMMENDED ACTION
Bracket P/N 10482 material changed 304SS → 316SS	High	Drawing B-10482 Rev D , title block material note	Review supplier PO before release
PO 44218 has 24 units of bracket 10482 at Rev C (304SS), due in 9 days	High	Open PO export, line 3	Contact supplier to revise or hold PO
BOM lists qty 2 of 10482 under 2407-300; Rev D assembly view shows qty 3	High	Indented BOM row 47 vs 2407-300 Rev D balloon 6	Update BOM quantity
Fasteners changed M8 → M10, but mating plate 10477 Rev B still has Ø9 mm clearance holes	Review	B-10482 Rev D hole callout vs B-10477 Rev B section A-A	Engineering review: revise 10477 or keep M8
BOM still calls 18-8 (304) M8 socket head screws; bracket is now 316SS in washdown zone	Review	Indented BOM rows 48-49; ECO-0931 reason: washdown	Engineering review: fastener material spec
11 units of 10482 Rev C in stock	Medium	Inventory export, bin C-14	Decide disposition: use-as-is, rework or scrap

CHECKED — NO IMPACT DETECTED

Frame weldment 2407-100 Rev E — bracket mounting face unchanged	Guard assembly 2407-500 Rev C — no reference to 10482
Assemblies 2311 and 2415 — do not use 10482 (where-used check)	Open PO 44302 — no affected items

2.4 hrs Estimated review time saved	2 Items requiring human decision	\$8,420 Potential procurement exposure identified
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ILLUSTRATIVE EXAMPLE — fictional data

EXPOSURE BREAKDOWN

SOURCE	BASIS	AMOUNT
PO 44218, line 3 — bracket 10482 Rev C	24 units × \$245.00	\$5,880
Inventory, bin C-14 — bracket 10482 Rev C	11 units × \$180.00	\$1,980
PO 44218, line 4 — M8 × 20 SHCS, 18-8	400 pcs × \$1.40	\$560
Total		\$8,420

FILES ANALYZED

B-10482 Rev C.pdf, B-10482 Rev D.pdf	Part drawings, previous and new revision
2407-000 indented BOM.xlsx	Multi-level BOM export, 212 lines
Open POs.csv	Open purchase order lines, 38 lines
Inventory.csv	On-hand by part and bin (optional)

HOW FINDINGS ARE SORTED

High	Will cause a wrong build, wrong purchase or wrong quantity if released as-is
Review	Likely affected; needs an engineer's decision the report won't make
Medium	Cost or inventory impact, no build risk

No PLM or ERP integration used. Inputs are standard exports: previous revision, new revision, indented BOM, open POs, and optionally inventory. Every finding cites the file and location it came from so it can be checked in seconds.