



ENGINEER CHANGE ORDER (ECO) ANALYSIS FORM

Manufacturer: Election Systems & Software (ES&S)

System: ExpressVote

ECO Number: 1185

ECO Description: ExpressVote replacement motor mount assembly bracket

Overview:

This ECO introduces a new replacement motor mount assembly bracket that will be mounted to the existing Paper Path Motor (PPM) side panel (using existing mounting holes) eliminating the need to replace the entire side panel. New part 091-10056-00 to replace 01-097-00225. Per ES&S, PPM motor mount bosses are breaking over time with wear on the bosses created by motor operating stresses. An ECO label is to be applied at the time of installation.

Systems Affected:

Federal:

EVS 5.2.0.0, EVS 5.2.0.3, EVS 5.2.0.4, EVS 5.2.1.0, EVS 5.2.1.1, EVS 5.2.2.0, EVS 5.2.3.0, EVS 5.2.4.0, EVS 5.4.0.0, EVS 5.4.1.0, EVS 6.0.0.0, EVS 6.0.2.0, EVS 6.0.2.1, EVS 6.0.3.0, EVS 6.0.4.0, EVS 6.0.4.3, EVS 6.0.6.0, EVS 6.1.0.0, EVS 6.1.1.0, EVS 6.2.0.0, EVS 6.3.0.0, EVS 6.4.0.0, EVS 6.5.0.0

State:

EVS 5.2.4.1, EVS 5.2.4.2, EVS 5.3.0.0, EVS 5.3.0.3, EVS 5.3.1.0, EVS 5.3.2.0, EVS 5.3.2.1, EVS 5.3.3.0, EVS 5.3.4.0, EVS 5.3.4.1, EVS 5.5.0.1, EVS 5.5.0.2, EVS 5.5.0.3, EVS 6.0.1.0, EVS 6.0.4.2, EVS 6.0.5.0, EVS 6.0.5.1, EVS 6.0.7.0, EVS 6.3.0.2, EVS 6.4.1.0, Florida EVS 6.3.1.0, Version 1, Florida EVS 6.3.1.0, Version 1 (Revision 1), Florida EVS 6.3.1.0, Version 1 (Revision 2), Florida EVS 6.3.1.0, Version 1 (Revision 3)

Supporting Documentation:

ECO 1185 ORIGINAL (*Submitted ECO*)

ECO 1185 Required Questions (*ES&S Supplemental Information*)

ECO 1185 INSTALLATION GUIDE (*Installation Guide*)

Test Case-MotorMountFieldFix (ECO - 1049903 - 1 - A1) – 1 (*ES&S Test Case*)

Engineering Recommendation:

Based on documentation review, Pro V&V determined the submitted modification requires performance of the following hardware tests: Bench Handling and Transportation Vibration. These tests were successfully completed and are presented in *Element Materials Technology Denver-Longmont Test Report TR-PR189459, Revision 0* (submitted for review with this ECO Analysis). Based on these results, Pro V&V determined no additional testing is required.

Pro V&V evaluated this ECO under Section 3.3.2 Bug Fix of the Voting System Testing and Certification VVSG Lifecycle Policy.

Engineering Analysis: No Additional Testing Required

Reviewer:

Wendy Owens

Printed Name

Wendy Owens
Signature

04/25/2025

Date

Approver:

Michael L. Walker

Printed Name

Michael L. Walker
Signature

04/25/2025

Date