

Ambaflex Key Retrofit Network PCA

Request Information

Requestor Name: Jonathan Washburn, Alex Christensen

Requestor Job Title: RME SME Critical Conveyance PM, CS

Requestor Site: N/A

Date: 8/10/2021

Triggering Event WO#: 64012194 DAL3 Multiple Tote Jam/Resets
60965099 BDL3 Inbound 4 West Spiral

Triggering Event TT Link (If Applicable):

DAL3 <https://t.corp.amazon.com/V477450802/communication>

BDL3 <https://t.corp.amazon.com/V431362019/overview>

AKC1 <https://t.corp.amazon.com/V483977682/communication>

“Ambaflex Spiral Missing Tab” Fault does not prevent the Ambaflex Spiral from being reset. When a broken slat triggers the fault initially, the Ambaflex Spiral comes to a stop. Anyone can go to the control panel and push the reset button and start the unit back up without verification of any issues present. Conveyor belt will travel one full revolution until the broken slat triggers another fault leading to additional broken slats.



Equipment Model/Models Impacted: Ambaflex Spirals Model SV and SVo with Missing Tab Detection Installed

Sites Impacted:

Phase 1 Install to be Intelligrated Sites:

ACY1	AKC1	BFL1	BOI2	CMH4	DAL3	DEN3	DSM5	FTW6	HOU2	JAX2	LAS7	LGB7	MCO1	MKE2	MTN1	MQY1
OKC1	ORF3	PCW1	RDU1	TUL2	TUS2	YYZ4	DEN4	CLE3								

Phase 2 Install to be Dematic/Vanderlande Sites:

ABE2	ABE8	ABQ1	AGS1	ATL2	BDL3	BHM1	BWI2	CLE2	CLT2	CLT4	CVG1	DCA1	DFW6	DTW1	FAT1	GEG1
GRR1	GYR1	IND1	IND9	JFK8	LGB3	LGB8	MDW7	MEM4	MIA1	MSP1	PHX6	PSP1	SAT2	SLC1	SMF1	STL8
TPA1	VGT1	YVR4	PDX9													

General PCA WO Information

PCA Work Order Description: *Ambaflex Missing Tab/Broken Slat Key Switch Reset Installation*

Is PTP needed? Yes

Is LOTO needed? Yes

of Techs required to perform task: 2 Total, 1 RME Technician and 1 CSE/CSL/CST

Requested PCA Due Date:

Phase 1: 4/30/2022

Phase 2: 8/17/2022

Enter General Task instructions for WO:

- ☐ -Print both Job Plan PDF's out for review
- ☐ -Purchase all parts to complete the task as listed in the Installation Job Plan at the bottom
- ☐ -CSL/CSE will need to submit an MCM against the Network MCM for local approval to make changes. Once approval has been given, begin next steps.
- ☐ -MHE Technician Can prep and install all components using Installation Job Plan at location of the spiral without terminating wires ahead of time. This won't require LOTO or an intrusion to the spiral. It helps set up for the program changes in next steps.
- ☐ -CSE/CSL will use the PLC Change Job Plan to build out the changes to logic that are needed. The program can be made ahead of time.
- ☐ -Once Site has completed both job plans to the point of being ready for program upload and wire terminations. MHE Tech/CSE/CSL will need to schedule a downtime to finalize the installation of PLC change, wire terminations from key switch.
- ☐ -Once project has been completed on the spiral, team will need to allow for time to test spiral for functionality to ensure everything works as it should.
- ☐ -As a precaution, should the spiral not function as it should, CSL/CSE is to roll back PLC changes to previous and MHE tech can remove previously terminated wires.

- ☐ -RME is to maintain possession of the keys at all times. One key to be stored with the AMM/MM Lock box, second key to be left with the lead techs and or Maintenance Shop Lock box. Keys are **NOT** to be left in the Keyswitch at anytime with exception for the need to reset. Once reset is completed and Spiral has proven to be operational, remove key. Return to lock box.

Is there a Network MCM/CR for this PCA request: Yes

If Yes, provide link: <https://mcm.amazon.com/cms/MCM-48124325>

Is a PO required for this PCA (Yes or No?): No

Are the sites responsible for submitting PO (Yes or No or N/A?): N/A

If No, provide PO/Tracking information for the impacted sites below: N/A

PCA Instruction Below:

1. Site to order all materials needed based on Ambaflex Spirals quantities.
2. Printout both job plans. Follow plans A and B below before starting project. Most of the project can be completed before LOTO is required.
 - a. Follow instruction to create Logic change file before starting project.
 - b. Prepare all materials for install based on Installation Job Plan. Locate and install key switch box mounted. Measure cable length needed to complete.
3. Printout and laminate Reset PMV, post at key switch

[Installation Job Plan](#)

[Logic Change Job Plan](#)

[Ambaflex Keyswitch PMV](#)