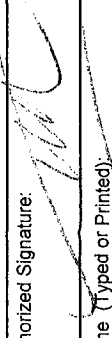


1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number RMA0019370-1	
4. Organization Name and Address: KORRY ELECTRONICS COMPANY 11910 BEVERLY PARK ROAD EVERETT, WA 98204		5. Work Order/Contract/Invoice Number: 90513874				
6. Item: 1	7. Description: CONTROL PANEL,CARGO FIRE	8. Part Number: 411000-001	9. Quantity: 1	10. Serial Number: 411000AA0202	11. Status/Work: REPAIRED	
12. Remarks: REPAIRED AND TESTED PER CMM 80-11-01 REV 8 DATED 27 AUG 2015 REF JO RMA0019370-1.						
Certifies that the work specified in Blocks 11/12 was carried out in accordance with EASA Part 145 and in respect to that work the product/article is considered ready for release to service under EASA Part 145 Approval Number EASA.145.4618.						
13a. Certifies the items identified above were manufactured in conformity to: 		14a. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		14c. Approval/Certificate No.: KE7R393J		
13b. Authorized Signature:		14b. Authorized Signature: 		14e. Date (dd/mm/yyyy): 20 Dec 2018		
13d. Name (Typed or Printed)		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed): VIVIAN TU		
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number RMA0019370-1	
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Certifies that the work specified in Blocks 11/12 was carried out in accordance with EASA Part 145 and in respect to that work the product/article is considered ready for release to service under EASA Part 145 Approval Number EASA.145.4618.					
13a. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.					
13b. Authorized Signature:		13c. Approval/Authorization No.:		14a. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13d. Name (Typed or Printed)		13e. Date (dd/mm/yyyy):		14b. Authorized Signature: 	
				14c. Approval/Certificate No.: KE7R393J	
				14d. Name (Typed or Printed): VIVIAN TU	
				14e. Date (dd/mm/yyyy): 20 Dec 2018	
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Customer Name:	SR TECHNICS SWITZERLAND
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RMA No.	RMA0019370-1
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Korry Part Number	Quantity	Korry Part Description	Outgoing Part Number
411000-001	1	CONTROL PANEL, CARGO FIRE	411000-001
Customer PO	Customer Part	Customer Rejection No.	Order Disposition
90513874			REW

Korry Serial No.	411000AA0202		
Customer Serial No.			As Received Condition Type
Date Code	1325		Used

Shop Findings

Customer Rejection:	
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FAIL ON FIT Engine start left out of service

As Received Condition:	
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Unit was received in Anti-Static bag with ESD end caps installed.
Unit was received with no protective film over light plate.
Unit received at Black Label Rev. J.
Unit has wear marks on light plate, tool marks on 1/4 turn fasteners and heavy scratching on sides and back.
Lightplate is missing paint on top edge.
APU Handle Legend Caps' hinge pin is sticking out.
Overall no outward visible damage that would affect form, fit or function of unit.

Evaluation Findings:	
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L Start switch free spins on its shaft.
All other OID's have good mechanical functionality, detents and lubber line alignment.
Customer rejection has been confirmed. Unit Failed AFTP test per CMM at S8 L Start switch. Switch free spins on its shaft.
APU Handle has minor light leaks.
Otherwise Unit functions and meets requirements for switch operation, messaging, annunciation and lighting functionality per CMM.
The PIP Logs were downloaded and showed the following Fault Test Identifier "Discrete Input Validity Fail – IN_37, IN_38". Per the CMM this indicates a failure with the L engine Start switch. The Fault Status is Hard.

The information contained herein is non-technical data

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Date: 12/06/2018 07:27

Esterline Korry - Repair Action Report

The PIP logs also showed Fault Test Identifier "Discrete Input Validity Fail – IN_39, IN_40". Per the CMM this indicates a failure with the R engine Start switch. The Fault Status is Hard.

Direct Cause:

Other: Broken shaft in rotary switch.

Time Since New	Cycles Since New	Time Since Installed
23715	3161	
Cycles Since Installed	Time Since Overhaul	Cycles Since Overhaul
		Completion Date
		12/06/2018 07:26

Shop Action**Action Description:**

Remove and Replace S8 and S9 L and R Start switch per CMM# 80-11-01 / Rev. 8 / 27 Aug 2015.

Replace label on unit with new that has MOD 1 bubble marked.

Reseat hinge pin on APU Legend.

Touch up light leaks on APU Legend Cap.

Touch up paint on upper edge of lightplate.

Clean and touch up other paint as required.

Mark R on Label as required.

Final test and inspect per CMM# 80-11-01 / Rev. 8 / 27 Aug 2015.

The information contained herein is non-technical data



Esterline Korry - Repair Action Report

Control &
Communication Systems

Featuring KORRY® Products

ATP Required:	ATP Sections Required:	Lighting Test Required:
Test per CMM for return to service.		
Note: Creation or submittal of ATP test data is according to the ATP or applicable inspection alerts or Purchase Order requirements.		
Special Requirements:		
Ship at Rev. K.		

The information contained herein is non-technical data

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Date: 12/06/2018 07:27

Esterline Control & Communication Systems 11910 Beverly Park Rd Everett, WA 98204	Tel: (425) 297-9700 Fax: (425) 297-9864 www.esterline.com	Acceptance Test Report
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Korry Part No. 411000-001	Rev K	Test Procedure No. 419013	Rev G	Date 12/20/18
Customer Part No. N/A	Rev N/A	Customer Boeing SR TECHNICS SWIZERLAND	Part Name CAGO FIRE	
Job Order No. S000096260-1	Qty 1	Purchase Order No. 90513874	Serial Number 411000AA0202	
Test Requirements	D/C1325R	Para	Test Unit Readings	
K504 RIM Test	3.1		Not required per CMM DEC 20 2018	
Examination	4.1	K504		
Insulation Resistance Test	4.2	K504		
Dielectric Strength Test	4.2	K504		
Functional Test	4.3, 4.4	K504		
K504 Special Steps for Window Heat/Emergency Assemblies (N/A for others)	4.4.5		Not required per CMM	
Special Steps for the Fire Engine Assemblies (N/A for others)	4.4.6		DEC 20 2018	
Lubber Line Alignment	4.5	K504		
Light Leakage	4.6	K504		
Electrical Bonding Resistance (Record measured resistance value for each connector in milliohms)	4.7	K504		
Electrical Bonding Test (Stamp for passing results)	4.7	K504		

FINAL INSPECTION
PERFORMED BY

K504

 DATE 12/20/18