

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: CQ-79838																																			
4. Organization Name and Address: L3ZR029X ACSS Repair and Overhaul 19810 North 7th Avenue Phoenix, Arizona 85027-4741				5. Work Order/Contract/Invoice Number: Reference: CQ-79838 Customer PO No.: RO: R365581																																			
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:																																		
1	T3CAS, 6MCU	9005000-10204	1 EA.	TQE00371	OVERHAULED																																		
12. Remarks: Complies with 14 CFR Part 43 Appendix F, retest required by: 08-Oct-21. Certifies that the work specified in block 11/12 was carried out in accordance with EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Part-145 Approval Number: EASA.145.5441																																							
<table><thead><tr><th>Test / Inspection Doc. Used</th><th>Revision</th><th>Date</th><th>Other Doc. Used</th><th>Revision</th><th>Date</th><th>Technician</th></tr></thead><tbody><tr><td>OEM 8007548-001</td><td>BU</td><td>18/Apr/2019</td><td>OEM 8007238-045</td><td>-</td><td>24/Jun/2019</td><td rowspan="3">Lance Heick</td></tr><tr><td>CMM 34-45-30 Vol II</td><td>011</td><td>30/Sep/2018</td><td>OEM 8008339-094</td><td>-</td><td>02/Oct/2019</td></tr><tr><td>CMM 34-45-30 Vol I</td><td>011</td><td>30/Sep/2018</td><td>SB9005000-34-0008</td><td>00</td><td>04/Aug/2016</td></tr><tr><td></td><td></td><td></td><td>SB9005000-34-0011</td><td>01</td><td>15/Sep/2017</td><td></td><td></td></tr></tbody></table>						Test / Inspection Doc. Used	Revision	Date	Other Doc. Used	Revision	Date	Technician	OEM 8007548-001	BU	18/Apr/2019	OEM 8007238-045	-	24/Jun/2019	Lance Heick	CMM 34-45-30 Vol II	011	30/Sep/2018	OEM 8008339-094	-	02/Oct/2019	CMM 34-45-30 Vol I	011	30/Sep/2018	SB9005000-34-0008	00	04/Aug/2016				SB9005000-34-0011	01	15/Sep/2017		
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13a. Certifies the item 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																																							
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.																																							
13b. Authorized Signature:		13c. Approval Authorization No.:		14c. Approval/Certificate No.:																																			
				L3ZR029X																																			
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14e. Date (dd/mm/yyyy):																																			
EDDIE MEJIA				08/Oct/2019																																			
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. 国家 Country: CHINA	2. 中国民用航空总局 CAAC ☐ 符合性 Conformity ☒ 适航性 Airworthiness 批准放行证书/适航批准标签 AUTHORIZED RELEASE CERTIFICATE/AIRWORTHINESS APPROVAL TAG	3. 证书编号 Certificate Reference Number: CQ-79838				
4. 单位 Organization: ACSS Repair and Overhaul 19810 North 7th Avenue Phoenix, Arizona 85027-4741	5. 工作单/合同单/货单 Work Order/Contract/ Invoice: Reference: CQ-79838 Customer PO No.: RO: R365581					
6. 序号 Item:	7. 内容 Description:	8. 件号 Part Number:	9. 适用性 Eligibility:	10. 数量 Quantity:	11. 系列号/批号 Serial/Batch Number:	12. 产品状态 Status/Work:
1.	T3CAS, 6MCU	9005000-10204	NOT KNOWN	1 EA.	TQE00371	OVERHAULED
13. 备注 Remarks: Test / Inspection Doc. Used Revision Date Other Doc. Used Revision Date Technician OEM 8007548-001 BU 18/Apr/2019 OEM 8007238-045 24/Jun/2019 Lance Heick CMM 34-45-30 Vol II 011 30/Sep/2018 OEM 8008339-094 02/Oct/2019 CMM 34-45-30 Vol I 011 30/Sep/2018 SB9005000-34-0008 04/Aug/2016 SB9005000-34-0011 15/Sep/2017						
Installed HW mod M and mod R. Disassembled, cleaned, inspected, and repaired as necessary. Ran full functional tests and recertified unit. Minor dents, scratches, or blemishes do not affect the fit, form, or function.						
14. 新产品 New Parts 兹声明上述产品除第13项的其它规定以外, 已按照上述国家适航条例进行制造/检查, 并且该产品(出口产品)符合经批准的型号设计资料和进口国提出的专用要求。 Certifies that the part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with the airworthiness regulations of the stated country and/or in the case of parts to be exported with the approved design data and with the notified special requirements of the importing country.						
15. 使用过的产品 Used Parts 兹声明上述产品除第13项的其它规定以外, 已按照上述国家适航条例和进口国通知的特殊要求进行了工作, 该产品处于安全可用状态可以批准放行使用。 Certifies that the work specified above except as otherwise specified in Block 13 was carried out in accordance with the airworthiness regulations of the stated country and the notified special requirements of the importing country and in respect to the work the part(s) is (are) in condition for safe operation and considered fit for release to service.						
16. 批准人签名 Signature: <i>Eddie Mejia</i>		18. 批准日期 Date: Oct/08/2019		19. 中国民航总局授权 Issued by or on behalf of the CAAC Certificate #F00100430		
17. 批准人姓名(打印的) Name (Typed or Printed): EDDIE MEJIA						

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Repair Order ID	Part Number	Part Description	Serial Number
CQ-79838	9005000-10204	T3CAS, 6MCU	TQE00371
Customer No.	Customer Name	Customer PO No.	Date Received
WAL001	A J WALTER AVIATION LTD.	RO: R365581	09/20/2019
Reason For Removal or Rejection			
TCAS FAULT WITH BOTH ANTENNA			
HW Incoming MOD Status	SW Incoming MOD Status	TAWS Incoming MOD Status	
CDEFGHJL	NONE	N/A	
HW Outgoing MOD Status	SW Outgoing MOD Status	TAWS Outgoing MOD Status	
CDEFGHJLMR	NONE	N/A	
Seal Intact?	Physical Damage?	Comments	
YES	NO		
Final Test Date	Test Eq. In Cal.	Technician	Tech Sign & Stamp
10/08/2019	YES	LANCE HEICK	<i>L. Heick</i> PRO 19
Removal Confirmed?	Performed	RTS Inspector	Final Insp Date
YS - CONFIRMED FAILURE	OVERHAULED	EDDIE MEJIA PRO 19	9 OCT 2019
Repair Hours	Product Code		
4	CSR		

Test Documentation Used	Revision
OEM 8007548-001	BU
CMM 34-45-30 Vol II	011

Inspection Documentation Used	Revision
CMM 34-45-30 Vol I	011

Other Documentation Used	Revision
SB9005000-34-0008	00
SB9005000-34-0011	01
OEM 8007238-045	-
OEM 8008339-094	-

Entry By	Part Number	Ref Des.	Next Higher Assembly	Serial Number	FAIL	DFCT	DISP
379182	ROCOMMENT				OOO	N/A	

Remarks

Ant B270 fault and T270 Phase Cal fault recorded in the maintenance log. Recommend hardware mods M and R.

Entry By	Part Number	Ref Des.	Next Higher Assembly	Serial Number	FAIL	DFCT	DISP
379182	9005020-001	A2	9005000-10204	TQE00371	MOD	N/A	RPL

Remarks

Installed part number 9005020-001 Revision U to install HW M per SB9005000-34-0008 Pub# 8009780-001. Replaced S/N 0FR76-00076306 with S/N 0FR76-00175961.

Entry By	Part Number	Ref Des.	Next Higher Assembly	Serial Number	FAIL	DFCT	DISP
379182	ROCOMMENT				MOD	N/A	

Remarks

Concealed Hardware Mod M on product identification label of P/N 9005000-10204. Installed Hardware Mod M per SB9005000-34-0008 Pub# 8009780-001.

Entry By	Part Number	Ref Des.	Next Higher Assembly	Serial Number	FAIL	DFCT	DISP
379182	9005050-006	A5	9005000-11203	TQE00371	MOD	N/A	RPL

ACSS REPAIR & OVERHAUL TEARDOWN FAILURE CODES FOR REPAIR AND TROUBLESHOOTING

Reason for Removal Confirmed?

YS	Yes, confirmed failure - Not due to Customer misuse
YU	Reason for removal confirmed but unable to duplicate for repair or nuisance fault that has no resolution available at time of repair
NO	No Defect Found - No failures found and cannot confirm reason for removal
YC	Related Damage - Physical damage directly related to reason for removal
OC	Unrelated Damage - Repaired damage not related to reason for removal
OE	Confirmed External Failure - Confirmed external subsystem as reason for removal
OS	Unrelated failure - Other Failed Part not directly responsible for reason for removal
OM	Other modified - Inspected and modified per Service Bulletin or CMM only
OP	Preventative Repair - Preventative repairs made not directly responsible for reason for removal
OR	Bench Test - Test and Inspection only for recertification, no failure reported
OO	Other - Service does not fit any of the above conditions

Failure Type/ Description

PFP	Principal Failed Part directly responsible with reason for removal
PWF	Principal Workmanship Failure directly responsible for reason for removal
POF	Directly responsible for reason for removal but not failed part or workmanship
CAU	Replaced as a pre-Cautionary measure for reliability
TRO	Replaced as part of Troubleshooting but did not fix problem
OFF	Other Failed Part not directly responsible for reason for removal
OWF	Other Workmanship Failure not directly responsible for reason for removal
MOD	Replaced as part of a Modification only not failure related
OOO	Service does not fit any of the above conditions

Defect Code/ Description

Component C01 Wrong part C02 Missing C03 Installed Wrong C04 Programmed wrong C05 Out of tolerance C06 Intermittent C07 Bad Date Code Electrical E01 Improper gain E02 Fixed with test select E03 Insufficient range E04 Temperature sensitive E05 Recalibration E06 Overstressed E07 Low power E08 Open E09 Shorted E10 Leakage E11 Impedance Mismatch E12 Noise E13 Line Out E14 Chromaticity General G01 Replaced to expedite NHA G02 Repair part not available G03 BER/Excessive troubleshoot time G04 Reload Software G05 Mod Software G06 Primary Crossovers G07 Secondary Crossovers G08 Op SW load corrupt G09 TAWS DB load corrupt G10 Obstacle DB load corrupt G11 Calibration data corrupt G12 Other data or memory corrupt Wire W01 Misrouted W02 Miswired W03 Insufficient stress relief W04 Damaged insulation W05 Birdcaged termination	Hardware H01 Wrong Hardware H02 Missing H03 Installed wrong H04 Loose H05 Dimension H06 Misaligned H07 Cut or Drilled Wrong H08 Mechanical Interference H09 Rounded H10 Miskeyed H11 Stripped Marking M01 Wrong revision M02 Missing M03 Installed wrong M04 Incomplete M05 Illegible M06 Mismarked Physical Damage P01 Bent P02 Chipped P03 Cracked P04 Lifted P05 Scratched P06 Broken P07 Contamination P08 Burned P09 Smashed P10 Dropped P11 Separated P12 Gas Out P13 Corrosion Solder S01 Insufficient solder S02 No solder (Unsoldered) S03 Excess solder S04 Solder Bridge S05 Bad Solder (Cold/Fractured) Non-failed Part N/A Not Applicable NFF No Fault Found
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Disposition

RPL	Replaced defective part with a new part
RWK	Reworked workmanship problem, No part replaced
CAL	Part realigned or replaced as an authorized test select part
EXC	SRU exchanged with another certified module

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Remarks							
Replace A5 receiver S/N 0FR76-00100409 with S/N 0FR76-00197768 P/N 9005050-006 per SB9005000-34-0011 PUB# 8009846-001.							
Entry By	Part Number	Ref Des.	Next Higher Assembly	Serial Number	FAIL	DFCT	DISP
379182	ROCOMMENT				MOD	NA	
Remarks							
Conceal Hardware Mod R on identification label (P/N 9005000-10204) per SB9005000-34-0011 PUB# 8009846-001.							
Entry By	Part Number	Ref Des.	Next Higher Assembly	Serial Number	FAIL	DFCT	DISP
379182	ROCOMMENT				OOO	N/A	
Remarks							
Disassembled, cleaned, inspected, and repaired as necessary. Ran full functional tests and recertified unit. Minor dents, scratches, or blemishes do not affect the fit, form, or function.							