1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number::
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** **FAA Form 8130–3, AIRWORTHINESS APPROVAL TAG**	**S2554583**
4. Organization Name and Address: **Hydro–Aire Aerospace Corp** 3000 Winona Avenue Burbank, CA 91504 **(QD3R785L)**		5. Work Order/Contract/Invoice Number: **4008247**

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	BRAKE SYSTEM CONTROL UNIT	2-8332-2	1	271729-1719A	MODIFIED

12. Remarks: A COMPLETE DESCRIPTION OF THE WORK PERFORMED CAN BE FOUND IN DOCUMENT SPECIFIED IN BLOCK 3.

MAINTAINED IN ACCORDANCE WITH : CMM 32–42–06 REV.6, 10/01/2020

HYDRO–AIRE AEROSPACE CORP CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 11 AND 12 WAS CARRIED OUT IN ACCORDANCE WITH EASA PART 145, AND IN RESPECT TO THAT WORK, THE ARTICLE IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA PART 145 APPROVAL NUMBER EASA.145.4560.

This repair/modification/overhaul/inspection was performed with personnel who were part of a current drug and alcohol testing program as required by 14CFR120.

13a. Certifies the items identified above were manufactured in conformity to:		14a. [X] 14 CFR 43.9 Return to Service [X] Other regulation specified in Block 12
☐ Approved design data and are in condition for safe operation ☐ Non–approved design data 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.:	14b. Authorized Signature:  14c. Approval/Certificate No.: **QD3R785L**
13d. Name(Typed or Printed):	13e. Date(dd/mmm/yyyy):	14d. Name (Typed or Printed): **RUDI RUDIANTO** 14e. Date(dd/mmm/yyyy): **31/Oct/2022**

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.

CRANE
Hydro-Aire Aerospace Corp.
A Crane Co. Company
AEROSPACE & ELECTRONICS
3000 Winona Avenue, P.O. Box 7722, Burbank, CA 91510-7722
(818) 526-2600 FAX (818) 842-6117 TELEX 677694
FORM # 1834-C (6/93)

RETURNED MATERIALS REPAIR ORDER AND DISPOSITION REPORT

SERVICE REQ# **1094651** JOB ORDER # **S2554583** PROD LINE **CNTRL BOX**

PART NO BEFORE MODIFICATION	PART DESCRIPTION	UNIT SERIAL NO	NEW PART NUMBER	NEW SERIAL NUMBER
2-8332-2	BRAKE SYSTEM CONTROL UNIT	271729-1719	N/A	271729-1719A

CUSTOMER NAME	LOCATION	PURCHASE ORDER NO	SALES ORDER NUMBER	DATE RECEIVED	SHIP DUE DATE
6207 AJ WALTER AVIATION LT	SLINFOLD	R399836	1311965	09-SEP-22	
		STATUS: NORMAL	RMA NUMBER: 614210		SHIP DATE

CUSTOMER REASON FOR RETURN CODE **A23**

R/R: RH BRAKE SYSTEM CONTROL UNIT HAS INTERNAL FAULT

CUSTOMER REJ NO | QUANTITY: 1 | A/C TAIL NO

RETURN CATEGORY

1. [ ] OVERHAUL
2. [X] REPAIR
3. [ ] WARRANTY
4. [ ] REJECTION
5. [ ] MODIFY
6. [ ] OTHER

GOVT: [ ] YES [X] NO

FAILURE ANALYSIS REQUIRED: **NOTREQ**

DOC RECEIPT DATE: **07-SEP-22**

VERIFICATION TEST RESULTS CODE: **YES**

[X] VALID [ ] INVALID [ ] UNKNOWN [ ] NOT APPLICABLE

VISUAL DESCRIPTION

CUSTOMER DID NOT PROVIDE TSN/CSN HRS

INSPECTED BY **SOSA, SALVADOR** DATE: **09-SEP-22**

MFG DATE: **01-MAR-2014** PRIOR RETURN **0**

OVERHAUL DATE:

SPECIAL QUALITY ASSURANCE INSTRUCTIONS FOR TESTING

Q.A. ENG

FINDINGS

Control Unit fails as received verification test
Outboard and Inboard NVM were extracted.
Fails Lightning transorb protection test on J4-33 lines.
Unable to confirm customer's reason for return.
Outboard and Inboard PPCM SN(KMM 1409 and KMM 1408) are older than KMM1738. Both PPCM(s) are upgraded per campaign.
Replaced Outboard and Inboard PPCM.
Replaced transorb diode on Inboard I/O card.
SB 2-8332-1-32-2 was applied to the unit per customer request.
Passed the functional test.

RESOLUTION CODE **MODIFIED**

TESTED BY **OLMEDAF**

DATE **28-OCT-22** TEST AREA

SUMMARY CODE: **TT215** CORRECTIVE ACTION [ ] APPLICABLE [ ] NOT APPLICABLE WARRANTY HONORED **PARTIAL**

MAINTENANCE PERFORMED IAW SPEC,REV, DT **CMM# 32-42-06 R6 OCTOBER 1, 2020** Q.A. ENG DATE

TSN: TSO: CSN: CSO: CONTAINER:

CUSTOMER P/N:

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NORMAL

REPLACED COMPONENTS

COMPONENT	DESCRIPTION	QTY	COMMENTS (LOCATION, PART NO, S/N, REF.DESIGNATOR)
2-83320102-1-800	ID LABEL	1	Modified per SB 2-8332-1-32-2
8-969101-03-900	CCA, POWER PC MODULE	2	142-1431302 S/N 593 (J1/J2 LO ; J1/J2 LI)
CR420-01G	SEMI,DIODE,TVS,45V,30KW,5%,UNI,SM D-CELL	1	142-1435302 S/N 581 (VR11)
RE99-4990F	RES,FXD,THK,FILM,SMT, 0.1W,499,1%	4	142-1431302 S/N 593 (R1283,R1284,R1287,R1288)