1. Approving Civil Aviation Authority/ Country:	2.	3. Form Tracking Number:
FAA/UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3,AIRWORTHINESS APPROVAL TAG	MA/FAA-21-0338

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
IHI IHI Corporation 229, Tonogaya, Mizuho-machi, Nishitama-gun, Tokyo 190-1297, Japan , FAA REPAIR STATION No. GA4Y199M	4324936-6163 P/O No. R387300

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
001	FUEL DIVERTER & RETURN VALVE	17300G12	1 EA	2838	REPAIRED

12.Remarks:

Inspected and Repaired in accordance with CMM 73-18-52 Rev. 15 Dated Apr. 30/2020
Final Test : Accepted
IHI SB 17300-73-008 Rev. 0 (IAE SB V2500-ENG-73-0240 Rev. 0) and IHI SB 17300-73-009 Rev. 0 (IAE SB V2500-ENG-73-0247 Rev. 0) were incorporated.
No applicable ADs at this time
Details are on file under the customer's work order number referenced in Block 5.

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
☐ Approved design data and are in a 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.:
			GA4Y199M
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed):	14e. Date (dd/mmm/yyyy):
		Takaki Nakazono	02 DEC 2021

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 Competent Authority / Country	2. AUTHORISED RELEASE CERTIFICATE	3. Form Tracking Number
EASA	EASA FORM 1	MA/EASA-21-0253

4. Organisation Name and Address:

IHI

IHI Corporation
229, Tonogaya, Mizuho-machi,
Nishitama-gun, Tokyo 190-1297, Japan

5. Work order/Contract/ Invoice

4324936-6163
P/O No. R387300

6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work
001	FUEL DIVERTER & RETURN VALVE	17300G12	1 EA	2838	Repaired

12. Remarks

Inspected and Repaired in accordance with CMM 73-18-52 Rev. 15 Dated Apr. 30/2020
Final Test : Accepted
IHI SB 17300-73-008 Rev. 0 (IAE SB V2500-ENG-73-0240 Rev. 0) and IHI SB 17300-73-009 Rev. 0
(IAE SB V2500-ENG-73-0247 Rev. 0) were incorporated.
No applicable ADs at this time
Details are on file under the customer's work order number referenced in Block 5.

13a. Certifies that 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

14a. ☒ Part-145.A.50 Release 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 Part-145 and in respect to that work the items are considered ready for release to service.

13b. Authorised Signature	13c. Approval/ Authorisation Number	14b. Authorised Signature	14c. Certificate/Approval Ref. No.
		IHI 563	EASA. 145.0084
13d. Name	13e. Date (dd mmm yyyy)	14d. Name	14e. Date (dd mmm yyyy)
		Takaki Nakazono	02 DEC 2021

USER/INSTALLER RESPONSIBILITIES

This certificate does not automatically constitute authority to install the item(s).

Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority 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	2. 中国民用航空总局 CAAC ☐符合性 Conformity ☑适航性 Airworthiness	3 证书编号 Certificate Ref. No.
P.R. China	批准放行证书/适航批准标签 AUTHORIZED RELEASE CERTIFICATE/AIRWORTHINESS APPROVAL TAG	MA/CAAC-21-0281

4 单位 Organization	5 工作单/合同单/货单 Work Order/Contract/Invoice
IHI Corporation 229 , Tonogaya, Mizuho-machi , Nishitama-gun, Tokyo 190-1297, Japan	4324936-6163 P/O No. R387300

6 序号 Item	7 内容 Description	8 件号 Part No.	9 适用性 Eligibility	10 数量 Qty	11 系列号/批号 Serial/Batch No.	12 产品状态 Status/Work
001	FUEL DIVERTER & RETURN VALVE	17300G12	V2500	1 EA	2838	Repaired

13 备注 Remarks

Inspected and Repaired in accordance with CMM 73-18-52 Rev. 15 Dated Apr. 30/2020

Final Test : Accepted

IHI SB 17300-73-008 Rev. 0 (IAE SB V2500-ENG-73-0240 Rev. 0) and IHI SB 17300-73-009 Rev. 0 (IAE SB V2500-ENG-73-0247 Rev. 0) were incorporated.

No applicable ADs at this time

Details are on file under the customer's work order number referenced in Block 5.

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/inspected 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 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 that work, the part(s) is (are) in condition for safe operation and considered ready for release to service. (over)

16 批准人签名 Signature	18 批准日期 Date	19 中国民航总局授权 Issued by or on behalf of the CAAC
	02/DEC/2021	
17 批准人姓名（打印的） Name(Printed)	Takaki Nakazono	F08100230

AAC-038(12/94)

*参阅产品目录详细查找适用性

Cross-check eligibility for more details with parts catalogue

第 18 号様式（航空法施行規則第 41 条関係）（日本産業規格 A4）

1. 日本国 Japan	2. 装備品　基準適合証 AUTHORIZED RELEASE CERTIFICATE	3. 証明書番号 Certification Ref. No. MA/JCAB-21-0039
4. 認定事業場名称 Organization approved by the airworthiness authority of the country specified in block 1 to issue this form IHI 株式会社 IHI IHI Corporation		5. 伝票番号、作業指示番号 Work Order/Contract/Invoice 4324936-6163 P/O No. R387300

6. 品目番号 Item	7. 名称 Description	8. 部品番号 Part No.	9. 数量 Qty.	10. 製造番号 Serial/Batch No.	11. 状況／作業内容 Status/Work
———	FUEL DIVERTER & RETURN VALVE	17300G12	1 EA	2838	REPAIRED

12. 備考 Remarks

Inspected and Repaired in accordance with CMM 73-18-52 Rev. 15 Dated Apr. 30/2020
Final Test : Accepted
IHI SB 17300-73-008 Rev. 0 (IAE SB V2500-ENG-73-0240 Rev. 0) and IHI SB 17300-73-009 Rev. 0 (IAE SB V2500-ENG-73-0247 Rev. 0) were incorporated.
No applicable ADs at this time
Details are on file under the customer's work order number referenced in Block 5.

TSN UNK
TSO UNK

使用限界の定められている装備品は、総使用時間／総使用サイクル／新規製造後の経過期間及び整備・改造の記録を添付すること。
Limited life parts must be accompanied by maintenance history including total time/total cycle/time since new.

13.	18.
上記の装備品又は部品が、欄 12 に記載される事項を除き、航空法（昭和 27 年法律 231 号）に規定する基準及び手続きに基づき、製造／検査されていることを確認する。（裏面参照） Certifies that part(s) identified above except as otherwise specified in block 12 manufactured/inspected in accordance with the applicable design data and procedure prescribed in Civil Aeronautics Law of Japan and Regulations. (See over)	上記の装備品又は部品が、欄 12 に記載される事項を除き、航空法（昭和 27 年法律 231 号）に規定する基準及び手続きに基づき、修理／改造されていることを確認する。（裏面参照） Certifies that the work specified above except as otherwise specified in block 12 was carried out in accordance with the applicable design data and procedure prescribed in Civil Aeronautics Law of Japan and Regulations. (See over)

14. 署名又は押印 Signature	15. 認定事業場番号 Approval Reference Number	19. 署名又は押印 Signature	20. 認定事業場番号 Approval Reference Number
			0 4 2
16. 記名 Name	17. 確認の年月日 Date(d/m/y)	21. 記名 Name	22. 確認の年月日 Date(d/m/y)
		Takaki Nakazono	02/DEC/2021

IHI

IHI Corporation
MIZUHO AERO-ENGINE WORKS
229, Tonogaya, Mizuho-machi,Nishitama-gun, TOKYO 190-1297, JAPAN

ENGINEERING REPORT

No.: INV-21-294 DATE: 24-Nov-21

1. DETAIL OF UNIT

UNIT NAME	:	FUEL DIVERTER AND RETURN VALVE
ENGINE TYPE	:	V2500
VENDER P/N	:	17300G09
IAE P/N	:	5L0076
UNIT S/N	:	2838
CUSTOMER	:	AJ WALTER AVIATION
ARRIVAL DATE	:	2021/10/13
TSN/TSO	:	UNK Hr / UNK Hr
CSN/CSO	:	UNK / UNK

2. CONTRACT & REFERENCE
OPERATOR ORDER No. : R387300

3. REASON FOR RETURN : MOD TO G12
(R.F.R.)

4. WORK CLASSIFICATION : REPAIR, MODIFICATION AND FINAL TEST

5. FINDING
MAIN VALVE SCHEDULE

RATIO:	MAX	LIMIT [pph]
L1 :	4109	3478～4010
L2 :	4109	3478～4010

THE MATING SURFACE OF LP UNION HAD CONTACT MARK.THE METERING PORT OF MAIN VALVE WAS DAMAGED.THE PUSHING PISTON WAS REPLACED FOR SB17300-73-009.THE ROD WAS SCRATCHED.THE RETAINER WAS STEP WORN.THE RESISTANCE OF MICRO SWITCH(3-75A) WAS UNSTABLE.THE PUSHER ASSY WAS STEP WORN.THE INSULATOR OF CONNECTORS(1-30A, 1-115A) WERE DAMAGED.THE TEFLON TUBE OF TORQUE MOTOR WAS WET.THE MATING SURFACE OF HP UNION WAS DAMAGED.

6. CONCLUSION

FINDING CAUSE WAS THAT THE METERING PORT OF MAIN VALVE WAS DAMAGED.
THE DEFECTIVE PARTS WERE REPLACED.

7. AREA OF DISASSEMBLY
■ FRV ■ FDV ☐ EXTERNAL

8. MODIFICATION
■ APPLIED ☐ NOT APPLIED
VENDOR SB No. : SB 17300-73-008,-009
IAE SB No. : V2500-ENG-73-0240,-73-0247
VENDOR P/N AFTER MODIFICATION : 17300G12
IAE P/N AFTER MODIFICATION : -

UNIT IS SHIPPED IN SERVICEABLE CONDITION AFTER ABOVE WORK.

Prepared by	Checked by	Approved by
T.Kumagai	Y.Toyohara	T.Tajiri
T.KUMAGAI	Y.TOYOHARA	T.TAJIRI
ENGINEER	ENGINEER	MANAGER

ACCESSORIES