



1. Approving Civil Aviation Authority/ Country: <b>FAA/UNITED STATES</b>	2.	3. Form Tracking Number:  <b>MA/FAA-23-0358</b>
<b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		

4. Organization Name and Address:  <b>IHI</b> 229, Tonogaya, Mizuho-machi, Nishitama-gun, Tokyo 190-1297, Japan, FAA REPAIR STATION No. GA4Y199M	5. Work Order/Contract/Invoice Number:  4324649-6122 P/O No. R419655
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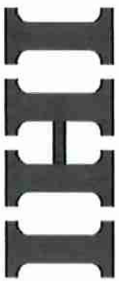

6. Item:  001	7. Description:  FUEL DIVERTER & RETURN VALVE	8. Part Number:  17300G12	9. Quantity:  1 EA	10. Serial Number:  7683	11. Status/Work:  REPAIRED
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12. Remarks:  Inspected and Repaired in accordance with CMM 73-18-52 Rev. 18 Dated Apr. 30/2023 Final Test : Accepted IHI SB 17300-73-008 Rev. 0 (LAE SB V2500-ENG-73-0240 Rev. 0) and IHI SB 17300-73-009 Rev. 0 (LAE 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.
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13a. Certifies the items identified above were manufactured in conformity to:  <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.	14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> 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.
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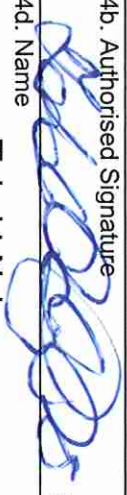
13b. Authorized Signature:  	13c. Approval/Authorization No.:  GA4Y199M	14b. Authorized Signature:  	14c. Approval/Certificate No.:  GA4Y199M
13d. Name (Typed or Printed):  Takaki Nakazono	13e. Date (dd/mm/yyyy):  18 DEC 2023	14d. Name (Typed or Printed):  Takaki Nakazono	14e. Date (dd/mm/yyyy):  18 DEC 2023

<b>User/Installer Responsibilities</b>  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.
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1. Approving Competent Authority / Country		2. AUTHORISED RELEASE CERTIFICATE			3. Form Tracking Number	
EASA		EASA FORM 1			MA/EASA-23-0331	
4. Organisation Name and Address:		IHI Corporation 229, Tonogaya, Mizuho-machi, Nishitama-gun, Tokyo 190-1297, Japan			5. Work order/Contract/ Invoice 4324649-6122 P/O No. R419655	
						
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work	
001	FUEL DIVERTER & RETURN VALVE	17300G12	1 EA	7683	Repaired	
12. Remarks Inspected and Repaired in accordance with CMM 73-18-52 Rev. 18 Dated Apr. 30/2023 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:		14a. <input checked="" type="checkbox"/> Part-145 A.50 Release to Service <input type="checkbox"/> Other regulation specified in block 12				
<input type="checkbox"/> approved design data and are in a condition for safe operation <input type="checkbox"/> 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 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. EASA. 145.0084		
13d. Name	13e. Date (dd mmm yyyy)	14d. Name Takaki Nakazono		14e. Date (dd mmm yyyy) 18 DEC 2023		

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. Approving Competent Authority/Country <b>CAA/UK</b>		2. AUTHORISED RELEASE CERTIFICATE <b>CAA FORM 1</b>			3. Form Tracking Number <b>MA/CAAUK-23-0071</b>	
4. Organisation Name and Address:  <div style="text-align: center;">  </div> IHI Corporation 229, Tonogaya, Mizuho-machi, Nishitama-gun, Tokyo 190-1297, Japan				5. Work Order/Contract/Invoice  4324649-6122 P/O No. R419655		
6. Item	7. Description	8. Part No	9. Qty.	10. Serial No	11. Status/Work	
001	FUEL DIVERTER & RETURN VALVE	17300G12	1 EA	7683	Repaired	
12. Remarks  Inspected and Repaired in accordance with CMM 73-18-52 Rev. 18 Dated Apr. 30/2023 Final Test : Accepted IHI SB 17300-73-008 Rev. 0 (LAE SB V2500-ENG-73-0240 Rev. 0) and IHI SB 17300-73-009 Rev. 0 (LAE 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:  <input type="checkbox"/> approved design data and are in a condition for safe operation <input type="checkbox"/> non-approved design data specified in block 12		14a. <input checked="" type="checkbox"/> Part 145.A.50 Release to Service <input type="checkbox"/> 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 UK.145.01615	
13d. Name	13e. Date		14d. Name Takaki Nakazono		14e. Date 18 DEC 2023	

**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.

## ENGINEERING REPORT

No.: INV-23-333

DATE: 2023/12/8

### 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 : 7683  
CUSTOMER : A J Walter(Aviation) Ltd  
ARRIVAL DATE : 2023/11/14  
TSN / TSO : 23,662:49 Hr / UNK Hr  
CSN / CSO : 15141 / UNK

### 2. CONTRACT & REFERENCE

OPERATOR ORDER No. : R419655

3. REASON FOR RETURN : VALVE STUCK OPEN  
(R.F.R.)

4. WORK CLASSIFICATION : REPAIR, MODIFICATION AND FINAL TEST

### 5. FINDING

#### MAIN VALVE SCHEDULE

RATIO:	0.27	LIMIT	[cc/min]
L1 :	1100	147 MAX.	
L2 :	1000	147 MAX.	

THE METERING PORT OF MAIN VALVE WAS DAMAGED.THE MATING SURFACE OF LP UNION HAD CONTACT MARK.THE LVDT WAS REPLACED FOR INVESTIGATION.THE PUSHING PISTON WAS REPLACED FOR SB17300-73-009.THE RUBBER OF MICRO SWITCH(3-75A) WAS BROKEN.THE PISTON OF CPV WAS WORN. THE INSULATOR OF CONNECTOR(1-115A) WAS DAMAGED.THE TEFLON TUBE OF TORQUE MOTOR WAS WET.THE THREAD OF HP UNION WAS DAMAGED.

### 6. CONCLUSION

☐ R.F.R. WAS CONFIRMED

☒ R.F.R. WAS NOT CONFIRMED

THE MAIN VALVE WASN'T FAILED OPEN AT SHOP IN.THEREFORE R.F.R. WASN'T CONFIRMED.BUT MAIN VALVE MIGHT NOT MOVE SMOOTHLY BECAUSE 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

Y. Wada

2023.12.8

Y.WADA

ENGINEER

Checked by

T. Ishibashi

2023.12.8

T.ISHIBASHI

ENGINEER

Approved by

N. Kamisaka

2023. Dec. 8

N.KAMISAKA

MANAGER

ACCESSORIES

## PACKING LIST

Date : 14-Dec-2023

[illegible]

IHI Corporation



IHI Corporation



229, TONOGAYA, MIZUHO-MACHI, NISHITAMA-GUN,  
TOKYO, 190-1297, JAPAN

**SHIPPING INVOICE**

**NO. V F A 2 3 3 3 3**

Date: 14-Dec-2023

INVOICE of V2500 FUEL DIVERTER & RETURN VALVE

Sold by order and for account and risk of

HS CODE : 8411.91

Messer.: B AND H WORLDWIDE INC DORAL

Address: 1523 NW 82nd Avenue., DORAL, FL 33126, USA

Shipped: From NARITA TO DORAL Per

MARKS & Nos.	Q'TY	DESCRIPTION	PRICE	AMOUNT
	1EA	AIRCRAFT PARTS V2500 ENGINE PARTS ( A5/D5 ) FUEL DIVERTER & RETURN VALVE P/N 17300G12 S/N 7683 REPAIR CHARGE	<b>F.O.B.</b> US\$35,000.00	US\$35,000.00  US\$26,800.00
		TOTAL: 1 BOX		
		<b><u>RETURN CARGO FOR REPAIR</u></b> - NO COMMERCIAL VALUE -  THE ABOVE UNIT WAS REPAIRED ACCORDING TO THE PURCHASE ORDER No. R419655  COUNTRY OF ORIGIN: JAPAN E. & O. E.  T.BANDAI / MANAGER Accessories, Production Group Mizuho Aero-Engine Maintenance Works Life Cycle Solution Division Aero Engine, Space & Defense Business Area IHI Corporation		

IHI Corporation



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IHI Corporation



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IHI Corporation **IHI**  
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## PACKING LIST

Date : 14-Dec-2023

[illegible]

IHI Corporation

SHIP DATE: 18DEC23  
ACTWTGT: 9.00 KG  
CAD: 101840976/NET/4535  
DIMS: 61x35x30 CM

**TO BAND H WORLDWIDE INC DORAL**

**B&H WORLDWIDE INC. DORAL  
1523 NW 82ND AVENUE**

**DORAL FL 33126**  
/305/ 474 0444

(305) 471-0444  
INV.

REF: PO# R419655

DEP1

(US)

583J2/7C14/9AE3



1231021101502000

TRK# 7744 7424 0047  
0430

5:00P  
IP EOD

# XGCTYA

33126  
MIA  
FL-US



このラベルの印刷後、

荷受人用コピー - パウチの手前に入れてください

1. 水平ラインに沿ってページを折ります
2. ラベルをパウチに入れて貨物に貼付します

[illegible]