


		1491426	Mat. Class R
Installation / Serviceable			
Description FUEL METERING UNIT			
Partnumber FMU702-03		ATA Chapter 73-21	
Serial- / Batchnumber FAC13-268		Condition OH	
Plate Mod Status			
Manuf. Date 31.Jul.2013	TSN 20112:00	CSN 2846	
Owner EY		Shelf Life Expiry 07.Nov.2029	
Remarks Req: SD (SPECIAL DETAILED INSPECTION) 6 YR / YR (SD)			
Certifying Company			
Certifying Number EASA# 010753631		Certifying Date 07.Nov.2023	
Supplier ETIHAD AIRWAYS ENGINEERING LLC			
Ordernumber R22124423	Received at Station / Store / Location AUH/AUH-BS/BS-STAGE		
 Etihad Airways United Arab Emirates	Receiving Date 28.Nov.2023	Certifying Stamp 	
	Received by EY50539		

Green : Workpack/Workorder/ATL Page

		1491426
Removal / Unserviceable		
Description		
Partnumber		
Serial- / Batchnumber		
Action performed on A/C or Assembly		
Aircraft		
Position		
Total A/C Hours	Total A/C Cycles	Spec. Counter 1
Workorder Number		Spec. Counter 2
Reason for Removal <input type="checkbox"/> Scheduled <input type="checkbox"/> Unscheduled <input type="checkbox"/> T/S		
Removal Text		
Date	Station	Certifying Stamp
Name		

Pink : Removed Component

1. Approving Civil Aviation Authority / Country: FAA / UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 00000000000010753626 Page 1 of 1	
4. Organization Name and Address:		Goodrich Aerospace Pte Ltd 39 Changi North Crescent Singapore 499642 Tel: +65 6545 9975 Fax: +65 6545 9965 Reg No: 199300882N				5. Work Order/Contract/Invoice Number: 45743736 1400131623-300032269-STD-ES	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:		11. Status/Work:	
01	FUEL METERING UNIT	FMU702-03	1	FAC13-268		OVERHAULED	
12. Remarks: WORK COMPLETED: UNIT OVERHAULED IAW CMP 73-21-44 PROGRAMME 2 ISSUE NO: 2 DATED: 30 JUL 2015. ALL WORK CARRIED OUT IAW CMM: 73-21-44 REV: 4 DATED: 12 MAY 2022. STRIP REPORT: REFER TO SALES ORDER NO. 120912044. MODS EMBODIED THIS TIME: SBFMU702-73-8472 REV:0 DATED:16 SEP 2015 (RR SB 73-H990). REMARKS: UNIT HAS A SHELF LIFE OF SIX YEARS FROM THE INHIBITED DATE (06 NOV 2023). IT IS RECOMMENDED THAT INHIBITING OIL LEAKAGE CHECK IS DONE EVERY SIX MONTHS. TSN: 20112 TSO: 0.00 HOURS CSN: 2846 CSO: 0.00 CYCLES							
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.				
13b. Authorized Signature:		13c. Approval / Authorization No.		14b. Authorized Signature:		14c. Approval / Certificate No.:	
						ULCY444L	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):	
				ONG KIAN CHEONG		07 NOV 2023	
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 <div style="text-align: center;">EASA</div>		2. <div style="text-align: center;"> <h1 style="margin: 0;">AUTHORISED RELEASE CERTIFICATE</h1> <h2 style="margin: 0;">EASA FORM 1</h2> </div>			3. Form Tracking Number 00000000000010753631 <div style="text-align: right;">Page 1 of 1</div>	
4. Organisation Name and Address: Goodrich Aerospace Pte Ltd 39 Changi North Crescent Singapore 499642 Tel: +65 6545 9975 Fax: +65 6545 9965 Reg No: 199300882N			5. Work Order/Contract/Invoice 45743736 1400131623-300032269-STD-ES			
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work	
01	FUEL METERING UNIT	FMU702-03	1	FAC13-268	OVERHAULED	
12. Remarks WORK COMPLETED: UNIT OVERHAULED IAW CMP 73-21-44 PROGRAMME 2 ISSUE NO: 2 DATED: 30 JUL 2015. ALL WORK CARRIED OUT IAW CMM: 73-21-44 REV: 4 DATED: 12 MAY 2022. STRIP REPORT: REFER TO SALES ORDER NO. 120912044. MODS EMBODIED THIS TIME: SBFMU702-73-8472 REV:0 DATED:16 SEP 2015 (RR SB 73-H990). REMARKS: UNIT HAS A SHELF LIFE OF SIX YEARS FROM THE INHIBITED DATE (06 NOV 2023). IT IS RECOMMENDED THAT INHIBITING OIL LEAKAGE CHECK IS DONE EVERY SIX MONTHS. TSN: 20112 TSO: 0.00 HOURS CSN: 2846 CSO: 0.00 CYCLES						
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. EASA.145.0032		
13d. Name		13e. Date (dd mmm yyyy)		14d. Name		
				ONG KIAN CHEONG		
				14e. Date (dd mmm yyyy) 07 NOV 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.						

FINAL STRIP REPORT

Goodrich Aerospace Pte Ltd
39 Changi North Crescent
SINGAPORE 499642
SINGAPORE



UTC Aerospace Systems

Customer	TURBINE SERVICES AND SOLUTIONS AEROSPACE		Cust PO	1400131623-300032269-STD-ES	
Input Part	FMU702-03	Input Serial	FAC13-268	Qty	1.000
Output Part	FMU702-03	Output Serial	FAC13-268	Workscope	OVERHAUL
Cust Part		Cust Serial		Status/Work	OVERHAULED
Description	FUEL METERING UNIT	Removal Code		Failure Date	
Aircraft		Engine Type	TRENT 700		
Incoming NSN	N/A	Outgoing NSN	N/A	Tail No	A6-EYI
Date Rec'd	24.08.2023	Quote Date	15.09.2023	Accept Date	13.10.2023
Ship Date		DOM			
Sales Order	120912044	Work Order	45743736	Notification	305343590
Certification Type					
EASA , FAA					
Customer Reason for Return					
OVERHAUL / RECONDITION PROGRAMME 2					
Preliminary Inspection					
<p>NMSB LABEL: 73-103 RECORDED, WRONGLY POSITIONED. UNIT IN DIRTY AND OILY CONDITION. MULTIPLE SCRATCHES NOTED AT THE TOP. MOUNTING HOLE NOTED WITH NICK MARKS NEAR TO DUMP VALVE. IMPROPER DUST CAPS ATTACHED. (P/N: GTS169-4 QTY:02, GTS169-6 QTY:01) IMPROPER PROTECTIVE CAPS ATTACHED. (P/N: GTS176-21 QTY:02, GTS176-22 QTY:01) SHIM WASHER NOT ATTACHED. (P/N: GTS51-9H QTY:01) LANE 'A' RECEPTACLE NOTED WITH MINOR NICK MARK AT TOP LID. LANE 'A/C' RECEPTACLE NOTED WITH BLACK DEPOSIT ON PIN 1 INSULATOR BASE. NICK MARKS NOTED ON ADJUSTER HOUSING ASSEMBLY. NICK MARK NOTED ON CONNECTOR BRACKET TO LANE 'B' RECEPTACLE.</p> <p>INPUT MEASURING POINTS:</p>					
TSN: 20112 HOURS		CSN: 2846 CYCLES			
TSR: 6829 HOURS		CSR: 1137 CYCLES			

FINAL STRIP REPORT

Goodrich Aerospace Pte Ltd
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SINGAPORE 499642
SINGAPORE



UTC Aerospace Systems

Work Order	45743736	Description	FUEL METERING UNIT			Date Rec'd	24.08.2023
Input Part	FMU702-03	Input Serial	FAC13-268				
Cust Part		Cust Serial					
45743736	77879689	T O S SERVO VALVE	1	1	Comply CMP Program 2	OVH1	
45743736	77878839	SOV SERVO VALVE	1	1	Comply CMP Program 2	OVH1	
45743736	77879588	MV SERVO VALVE	1	1	Comply CMP Program 2	OVH1	
45743736	86634261	CMP LABEL	1	1	Comply CMP Program 2	NEW1	
45743736	77879802	POSITION INDICATOR	1	1	Comply CMP Program 2	NEW1	
45743736	AS43013-014	SEALING RING	1	1	Expendable	NEW1	
45743736	STD658-5-2	INSULATION SLEEVING	7	7	Expendable	NEW1	
45743736	STD658-5-2	INSULATION SLEEVING	7	7	Expendable	NEW1	
45743736	77875117	PIN CONTACTS	18	18	Expendable	NEW1	
45743736	GTS169-4	DUST CAP	2	2	CID - Improper Attached	NEW1	
45743736	GTS169-6	DUSTCAP ASSEMBLY	1	1	CID - Improper Attached	NEW1	
45743736	GTS176-21	PLUG	2	2	CID - Improper Attached	NEW1	
45743736	GTS176-22	DUST CAP	1	1	CID - Improper Attached	NEW1	
45743736	GTS51-9H	SHIM WASHER	1	1	CID - Not Attached	NEW1	
45743736	77875149	RECEPTACLE	1	1	Insulator Base Torn Pin 9	NEW1	
45743736	77875150	RECEPTACLE	1	1	Insulator Base Worn Pin 1	NEW1	
45743736	77138823	SPRING	1	1	Failed Load Test	NEW1	
45743736	86633707-01	LABEL	1	1	Wrongly Positioned	NEW1	
45743736	AS43013-118	RING SEALING	2	2	Expendable	NEW1	
45743736	AS43013-018	RING SEALING TOROIDAL	1	1	Expendable	NEW1	
45743736	AS43013-011	RING SEALING TOROIDAL	2	2	Expendable	NEW1	
45743736	77870796	SHAMBAN STEPSEAL	1	1	Expendable	NEW1	
45743736	AS43013-015	RING SEALING TOROIDAL	3	3	Expendable	NEW1	
45743736	AS43013-128	RING SEALING TOROIDAL	3	3	Expendable	NEW1	
45743736	AS20626	NUT, DOUBLE HEX, SELF LOCK, 12 PT	1	1	Expendable	NEW1	

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SINGAPORE 499642
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UTC Aerospace Systems

Work Order	45743736	Description	FUEL METERING UNIT			Date Rec'd	24.08.2023
Input Part	FMU702-03	Input Serial	FAC13-268				
Cust Part		Cust Serial					
45743736	AS43013-126	RING SEALING	1	1	Expendable	NEW1	
45743736	77878583	SEALING RING	1	1	Expendable	NEW1	
45743736	77879250	BALTEC SEAL	1	1	Expendable	NEW1	
45743736	77879228	SEAL	2	2	Expendable	NEW1	
45743736	AS43013-121	RING SEALING	3	3	Expendable	NEW1	
45743736	AS43013-009	RING SEALING TOROIDAL	1	1	Expendable	NEW1	
45743736	77139496	CAP, TAMPER PROOF	1	1	Expendable	NEW1	
45743736	GTS149-2	CAP NUT	1	1	Expendable	NEW1	
45743736	AS43013-131	RING SEALING TOROIDAL	2	2	Expendable	NEW1	
45743736	77879826	MV DYNAMIC SEAL	1	1	Expendable	NEW1	
45743736	AS43013-129	RING SEALING TOROIDAL	3	3	Expendable	NEW1	
45743736	77870775	SHAMBAN STEPSEAL	1	1	Expendable	NEW1	
45743736	AS43013-120	O-RING	1	1	Expendable	NEW1	
45743736	AS43013-127	RING SEALING	1	1	Expendable	NEW1	
45743736	AS43013-125	RING SEALING TOROIDAL	1	1	Expendable	NEW1	
45743736	AS43013-122	RING SEALING	1	1	Expendable	NEW1	
45743736	77874586	BALTEC SEAL	1	1	Expendable	NEW1	
45743736	GTS297-2	NUT KAYLOCK	1	1	Expendable	NEW1	
45743736	AS43013-114	GASKET, O RING	2	2	Expendable	NEW1	
45743736	AS43013-013	RING SEALING TOROIDAL	13	13	Expendable	NEW1	
45743736	AS43013-010	RING SEALING TOROIDAL	1	1	Expendable	NEW1	
45743736	AS43003-904	SEAL	3	3	Expendable	KBN1	
45743736	GTS297-4	NUT KAYLOCK	1	1	Expendable	NEW1	
45743736	AS43013-008	RING SEALING TOROIDAL	7	7	Expendable	NEW1	
45743736	AS43003-905	RING SEALING TOROIDAL	2	2	Expendable	NEW1	
45743736	AS43003-907	GASKET, O RING	1	1	Expendable	NEW1	
45743736	AS63237-5	CABLE, SAFETY, BERGEN	2	2	Expendable	KBN1	
45743736	AS63239	CABLE, SAEFTY, FERRULE	2	2	Expendable	KBN1	
45743736	77879205	CONTACT PIN	7	7	Expendable	NEW1	
45743736	GTS326-6	INSERT	2	2	Expendable	NEW1	
45743736	77855829	CABLE TIE	12	12	Expendable	NEW1	

FINAL STRIP REPORT

Goodrich Aerospace Pte Ltd
39 Changi North Crescent
SINGAPORE 499642
SINGAPORE



UTC Aerospace Systems

Work Order	45743736	Description	FUEL METERING UNIT	Date Rec'd	24.08.2023
Input Part	FMU702-03	Input Serial	FAC13-268		
Cust Part		Cust Serial			

Work Performed

INITIAL TEST:
ELECTRICAL INSULATION AND RESISTANCE CHECK CARRIED OUT ON ALL EIDs
(INCLUDING POSITION INDICATOR) AT AMBIENT TEMPERATURE AND FOUND ALL CHECK
POINTS WITHIN SPECIFICATION LIMITS.

'AS RECEIVED' FUNCTIONAL RIG TEST NOT REQUIRED DUE TO SCHEDULED REMOVAL.

DISASSEMBLY DEFECTS:

1. LANE 'B' RECEPTACLE FOUND INSULATOR BASE TORN AT PIN 9.
2. LANE 'A/C' RECEPTACLE FOUND INSULATOR BASE WORN AT PIN 1.
3. METERING VALVE COVER CHAMBER WITH SEAL DEBRIS.
4. METERING SERVOVALVE S/N: E1231 SUPPLY PORT FILTER INSPECTED FOUND
96.6% OF FILTER AREA BLOCKED.
5. REFER TO COMPONENT REPLACEMENT LIST BELOW.

ACTION TAKEN:

1. NICK MARKS NOTED ON MOUNTING HOLE NEAR TO DUMP VALVE WITH NO IMPACT
ON FORM, FIT AND FUNCTION OF UNIT.
2. UNIT MODIFIED IAW SB FMU702-73-8472 (RR SB 73-H990)
REV.0 DATED: 16 SEP 2015.
3. UNIT OVERHAULED IAW CMP 73-21-44 PROGRAMME 2 ISSUE NO: 2
DATED: 30 JULY 2015.
4. ALL WORK CARRIED OUT AS PER CMM:73-21-44 REV.4 DATED: 12 MAY 2022.

CONCLUSION:

THE MODIFICATION PLATE MARKED WITH MODIFICATION NUMBER CP8472.

Engine Serial Number
41470

Components :

Order	Material	Description	Req Qty	Issued	Reason Code	Stor Loc
45743736	77850637	GASKET	1	1	Expendable	NEW1
45743736	77855909	GASKET	1	1	Expendable	NEW1
45743736	GTS169-4	DUST CAP	1	1	Inhibiting	NEW1
45743736	GTS169-6	DUSTCAP ASSEMBLY	1	1	Inhibiting	NEW1