

1. Approving Civil Aviation Authority/Country:

FAUNITED STATES

AUTHORIZED RELEASE CERTIFICATE
FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

COPIED

5. Work Order/Contract/Invoice Number:

E66313

11. Status/Work:

REPAIRED

4. Organization Name and Address:
Air Services Intl. 1025 E. Sailer Drive, Phoenix, AZ USA 85024 CRS# TU3R880L

6. Item:

1 ENGINE ASSY, M250-C47B

7. Description:

8. Part Number:
23063392

9. Quantity:
1

10. Serial Number:
CAE-847057

12. Remarks:

250-C47B
CAE-847057

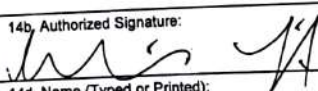
ALLISON MODEL 250 ENGINE LOG

Allison Engine
Company



AEROSPACE
GROUP

COPY

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 259578		
4. Organization Name and Address: Air Services Intl. 1025 E. Salter Drive, Phoenix, AZ USA 85024 CRS# TU3R880L					5. Work Order/Contract/Invoice Number: E66313		
6. Item: 1		7. Description: ENGINE ASSY, M250-C47B		8. Part Number: 23063392	9. Quantity: 1	10. Serial Number: CAE-847057	11. Status/Work: REPAIRED
12. Remarks: Performed engine repair and 150 hr. engine inspection. Installed inspected ignition exciter PN:6899093, SN UY02201088 Complied with CEB-73-6054 Rev.2. Note: Turbine SN: CAT-44096 #1 wheel PN: 23053299, SN: X143339, 305 20 hrs. and 160 cycles remain for required 500 hr./ 500 cycle FPI. Ref: R.R. OMM CSP21001, Ed 2, Rev.20, dated 1 Sep 2017, T.R. E2R20-72-1, dated 20 Dec 2017, and R.R. OHM CSP 22001, Ed.2, Rev.18, dated 16 Sep 2017. TSN: 2148.90 TSO: TSN CSN: 3489 CSO: CSN							
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: N/A		13c. Approval Authorization No.: N/A		14b. Authorized Signature: 		14c. Approval/Certificate No.: TU3R880L	
13d. Name (Typed or Printed): N/A		13e. Date (dd/mm/yyyy): N/A		14d. Name (Typed or Printed): Jozsef Novak		14e. Date (dd/mm/yyyy): 16/Jan/2018	
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the 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. Statement 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 Civil Aviation Authority/Country:
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3. Form Tracking Number:
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5. Work Order/Contract/Invoice Number:
E66313

4. Organization Name and Address:
Air Services Intl. 1025 E. Saller Drive, Phoenix, AZ USA 85024 CRS# TU3R880L

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	ENGINE ASSY, M250-C47B	23063392	1	CAE-847057	REPAIRED

12. Remarks:
 Performed engine repair and 150 hr. engine inspection.
 Installed inspected ignition exciter PN:6899093, SN:UY02201088
 Complied with CEB-73-6054 Rev.2.

Note: Turbine SN: CAT-44096 #1 wheel PN: 23053299, SN: X143339, 305.20 hrs. and 160 cycles remain for required 500 hr./ 500 cycle FPI.
 Ref: R.R. OMM CSP21001, Ed.2, Rev.20, dated 1 Sep 2017, T.R. E2R20-72-1, dated 20 Dec 2017, and R.R. OHM GSP 22001, Ed.2, Rev.18, dated 16 Sep 2017.

TSN: 2148.90 TSO: TSN CSN: 3489 CSO: CSN

13a. Check the items identified above that are manufactured in conformity to:

Approved design data and drawings 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.

Non-approved design data specified in Block 12.

13b. Authorized Signature: *[Signature]*

13c. Approval/Certificate No.: N/A

13d. Name (Typed or Printed): N/A

13e. Date (dd/mm/yyyy): N/A

14a. 14 CFR 43.9 Return to Service Other regulation specified in Block 12

14b. Authorized Signature: *[Signature]*

14c. Approval/Certificate No.: TU3R880L

14d. Name (Typed or Printed): Jozsef Novak

14e. Date (dd/mm/yyyy): 16/Jan/2018

It is important to understand that the existence of this document alone does not automatically constitute authority to install the 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) from the airworthiness authority of the country specified in Block 1.

Statement 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.

ASI LIFE LIMITED PARTS STATUS REPORT

WORK ORDER #	E66313			Hours				Cycles			
				Description	Part Number	Serial Number	Model	Total	Life Limit	Since O/H	Remaining
ENGINE	23063392	CAE-847057	C47	2,148.90	N/A	TSN	ON COND.	3,489	N/A	CSN	N/A
COMPRESSOR	23065593	CAC-45026		6,205.30	N/A	5,911.10	ON COND.	7,184	N/A	CSN	N/A
IMPELLER	23065591	JY102047		6,205.30	12,500.00	5,875.30	6,294.70	7,184	25,000	6,798	17,816
GEARBOX	23063393	CAG-47077		3,437.00	ON COND.	TSN	ON COND.	N/A	N/A	N/A	N/A
TURBINE	23063354	CAT-44096		3,555.90	2,000.00	1,519.90	480.10	5,122	N/A	2,015	N/A
1ST STG WHEEL	23053299	X143339		1,413.60	2,025.00	TSN	611.40	2,442	3,000	CSN	558
2ND STG WHEEL	23032280	X83185		1,604.40	2,025.00	TSN	420.60	2,384	3,000	CSN	616
3RD STG WHEEL	6898663	HX78073		3,961.00	4,550.00	TSN	589.00	4,781	6,000	CSN	1,219
4TH STG WHEEL	6892764	HX59504		3,961.00	4,550.00	TSN	589.00	4,781	6,000	CSN	1,219
HMU	23078031	JGALM0547		1,744.80	2,500.00	TSN	755.20	N/A	N/A	N/A	N/A
ECU	NOT RECEIVED				ON COND.		ON COND.	N/A	N/A	N/A	N/A
FUEL NOZZLE	23077067	1RL02581		UNK	2,000.00	91.10	1,908.90	N/A	N/A	N/A	N/A
BLEED VALVE	23073353	FF 40310		UNK	1,500.00	319.00	1,181.00	N/A	N/A	N/A	N/A
CURRENT ENGINE FIELD INSPECTION STATUS											
INSPECTION				T.S.I.	LIMIT		Remaining				
150 HOUR					150.00		150.00		ON COND.		ON COND.
300 HOUR					300.00		300.00		ON COND.		ON COND.
600 HOUR					600.00		600.00		ON COND.		ON COND.
2000 HOUR					2,000.00		2,000.00		ON COND.		ON COND.



FAA TUS3889X
Air Services International

Date of Revision 21 SEPTEMBER 2017
Air Services International Since 1948
1025 E. Saller Drive, Phoenix, AZ 85024 USA
Phone +1 623.516.8818 Fax +1 623.516.8838
www.asiaircraft.com
MRO Services for Rolls-Royce M250 Engines and Bell Helicopter Components

RENTAL ENGINE / MODULE TEST RUN RECORD

Anti-Ice	On / Off	<u>OFF</u>	On / Off	Cabin	Heat	<u>OFF</u>
Snow Kit	On / Off	<u>ON</u>	On / Off	Air	Bleeds	<u>OFF</u>
Generator	On / Off	<u>ON</u>	On / Off	Particle	Separator	<u>YES 514-</u>
Load	<u>N/A</u>		mps			

Power Check Per Flight Manual	Pres.	OAT
M1 <u>91</u> No <u>120</u> Torq. (lbs) <u>64.2</u> TOR (lbs) <u>528</u> Alt. <u>8000</u> C- <u>8</u>		
Aspwnd _____ Target Torq. Or TOR _____	Perf. Margin <u>+30</u>	(**)

Discrepancies (Vibration, Power, Smoke, Etc.):

None

COPY



Attachment "A"
RENTAL ENGINE/MODULE TEST RUN RECORD

PLEASE NOTE: ENGINE MUST BE RUN PRIOR TO REMOVAL

THE RENTAL ENGINE AGREEMENT SPECIFIES THAT BEFORE A RENTAL ENGINE/MODULE IS REMOVED FROM SERVICE, IT MUST BE RUN BY THE LESSEE/OPERATOR AND CERTIFIED AS SERVICEABLE FOR RE-USE. RUN SHEETS IN THE LOG BOOKS MUST BE COMPLETED AND SO CERTIFIED ON RETURN TO THE LESSOR. AIR SERVICES INTERNATIONAL, THE ENGINE/MODULE IS GIVEN A TIME TO CONTINUE INSPECTION. IF A TEST RUN WAS NOT ACCOMPLISHED AND/OR THE RUN SHEET NOT COMPLETED, THE LESSOR WILL CERTIFY THE ENGINE/MODULE IN A TEST CELL TO CERTIFY IT FOR RE-USE. THIS TEST CELL RUN WILL BE BILLED TO THE LESSEE/OPERATOR. PLEASE COMPLY WITH TO AVOID UNNECESSARY EXPENSES.

Engine Model: 250-C47B Engine TSO: 2148.9
 Engine/Module SN: 21E-847057 Engine Position: _____
 Aircraft Type: Bell 407

[Signature]
 Signature

11/20/17
 Date

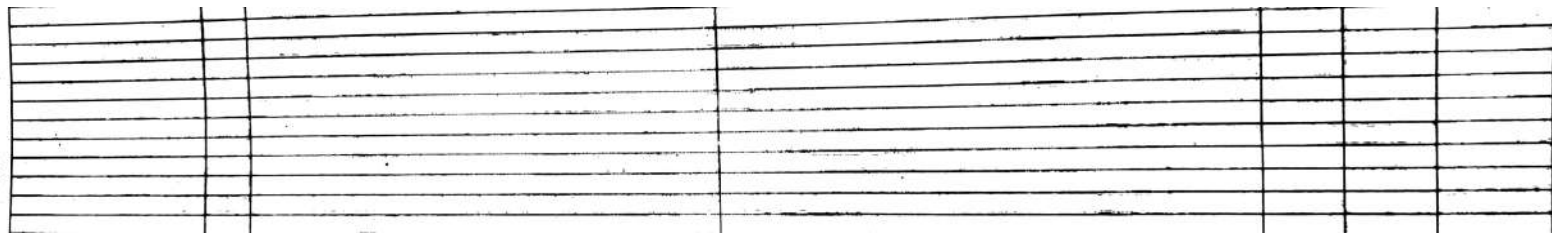
Kevin White
 Printed Name

COPY

Page 22 of 23
 ENGINE AND EQUIPMENT LEASE AGREEMENT Lessee / Lessor Officer Initials: SW

STRATEGIC PARTNERS







CERTIFICATE OF CONFORMANCE

Allison Engine Company, Inc. certifies that the 250 Series Turboshaft Engine shipped herewith was manufactured in accordance with all applicable specifications, drawings and procedures. This certificate shall be of no force or effect upon expiration of the warranty provision applicable to the purchase order.

Engine Serial No. CAE-847057

W.P. P...

Quality Assurance Department

JUNE 16, 1996

Date



DELIVERY NOTIFICATION

There are pink cards included in this section which notify Allison when an owner has taken delivery of a new aircraft or when a new owner accepts delivery of a used aircraft. These cards are postage paid guaranteed (if mailed in the United States), pre-addressed, and only require completing and forwarding to Allison Engine Company as addressed. By sending in a completed card, you will allow Allison's support organization to serve you better. When the new owner card is received, Allison will notify the Allison 250 Authorized Maintenance Center (AMC) in your geographical area who is capable of providing all operation, maintenance, and service for your Model 250 engine. Your participation will be greatly appreciated and will help us ensure you of the best service possible.



INSTRUCTIONS

1. The pages in this engine log book are color coded as follows:
 - White – Engine Assembly
 - Blue – Compressor Assembly
 - Canary – Gearbox Assembly
 - Cherry – Turbine Assembly
 - Green – Propeller Reduction Gearbox Assembly (Turbo Prop Engines only)
 - Beige – Engine Accessories
 - Orange – Individual TBO Extension Records (Supplied by Distributor when Applicable)
2. Keep the pages that have entries upon them in the front of the book in the order mentioned above. Keep the spare blank pages in the back of the book behind the engine test log envelope.
3. As new pages are added, number them in numerical order.
4. There is no Part V for the Gearbox Assembly.

IMPORTANT

5. All records must stay with a given assembly as follows:
 - a. When an engine assembly is transferred to any activity for overhaul, repair, warranty claim, etc., the entire log book must accompany the engine assembly.
 - b. When a compressor assembly, gearbox assembly, or turbine assembly is transferred to another activity for overhaul, repair, warranty claim, etc., all pages for that assembly that have entries upon them must be removed from the log book and accompany that assembly to its destination.
 - c. The replacement assembly received will be accompanied by its own log book data. (A complete log book will accompany each engine assembly; appropriate log book pages will accompany each replacement compressor, gearbox, or turbine assembly shipped from Allison Engine Company.)
 - d. The applicable TBO extension page (orange) must always accompany the unit being returned for overhaul at the end of its extension period.
6. Make all log book entries promptly.
7. Additional log book pages can be ordered from your authorized Allison Engine Company distributor.

WARRANTY



ALLISON MODEL 250-C40/C47 SERIES NEW ORIGINAL EQUIPMENT ENGINE WARRANTY AND DISCLAIMER SUMMARY



Allison Engine Company, Inc., warrants that Allison through an authorized Allison facility will repair or replace (at Allison option) any Model 250-C40/C47 series new engine or new engine part sold by Allison to an aircraft manufacturer for installation in a new aircraft which is returned to an authorized Allison facility with transportation charges prepaid to and from an authorized Allison facility and which has failed or malfunctioned, or at time of delivery, is deficient in material or workmanship or not in conformity with the applicable model specification effective at time of delivery to the aircraft manufacturer, subject, however, to each of the following limitations and exclusions:

1. The period of this warranty for each model is limited as follows:
 - A. For new engines installed in new aircraft sold by the aircraft manufacturer as new (except for normal aircraft acceptance testing), twenty-four (24) months after date of delivery from the aircraft manufacturer or one thousand (1000) hours of operation or cycle limitation as defined in the appropriate Operations and Maintenance Manual, whichever period expires first.
2. Optional equipment not manufactured by Allison and not a part of the basic engine assembly such as Engine Air Particle Separator is excluded from this warranty. The only warranty applicable to these type components are those offered by the manufacturer of the component.
3. A notice in writing of a warranty claim must be given to Allison or an authorized Allison facility not later than 30 days after the claimed failure, malfunction or non-conformity is discovered and the new engine or new engine part must be returned to Allison or an authorized Allison facility not later than 90 days after such notification is made.
4. This warranty shall not apply to failures, malfunctions, or non-conformities of engine or engine parts attributable in whole or in part to the failure to preserve, install, operate, maintain, repair, replace or alter the same in accordance with applicable recommendations by Allison or attributable in whole or in part to misuse, corrosion, erosion, neglect, or accident including foreign object damage whether in operation, in transit, or in storage; the replacement of maintenance items made in connection with normal maintenance, labor for removal and reinstallation of failed or malfunctioning engine or engine parts; any such engine or engine part which has been repaired by other than an authorized Allison facility so as in any way to adversely affect the engine or part performance or reliability.
5. The installation of a new surplus Allison military part resold by the United States Government to the general public which meets all Federal Aviation Administration requirements will not void this warranty. However, if a failure or malfunction of an engine is attributable in whole or in part to such part(s), this warranty is voided unless the Optional New Surplus Allison Military Part Warranty has been purchased from Allison.
6. THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY NON-CONTRACTUAL LIABILITIES INCLUDING PRODUCT LIABILITIES BASED UPON NEGLIGENCE OR STRICT LIABILITY. ANY ADDITIONAL OR DIFFERENT LIABILITIES ASSUMED BY ALLISON MUST BE CONTAINED IN A WRITING SIGNED BY AN AUTHORIZED EMPLOYEE OF ALLISON.
7. The obligations of Allison under this warranty are limited to repair or replacement (at Allison option) of engines or engine parts as provided herein and do not include any remedy or liability for incidental or consequential damages of any kind, whether for damage to airframe or other property, for costs or expenses of operation of engines, for commercial losses or lost profits due to loss of use or grounding of engines or aircraft or otherwise.

In no event, whether as a result of breach of contract or warranty, alleged negligence or otherwise, shall Allison be liable for special or consequential damages including, but not limited to, loss of profits or revenue, loss of use of the engine or engine parts or other equipment, cost of capital, cost of substitute equipment, facilities or services, downtime costs, or claims of customers of buyer(s) for such damages.

WARRANTY



ALLISON MODEL 250-C40/C47 SERIES NEW SPARE ENGINE AND NEW SPARE PART WARRANTY AND DISCLAIMER



Allison Engine Company, Inc., warrants that Allison through an authorized Allison facility will repair or replace (at Allison option) any Model 250-C40/C47 series new engine or new engine part sold by an authorized Allison facility for installation in a certified aircraft which is returned to an authorized Allison facility with transportation charges prepaid to and from an authorized Allison facility and which has failed or malfunctioned, or at time of delivery, is deficient in material or workmanship or not in conformity with the applicable model specification effective at time of delivery to an authorized Allison facility, subject, however, to each of the following limitations and exclusions:

1. The period of this warranty for each model is limited as follows:
 - A. New spare engines and new spare engine parts which have been preserved in accordance with published Allison procedures twenty-four (24) months from date of installation or one thousand (1000) hours of operation or cycle limitation as defined in the appropriate Operations and Maintenance Manual, whichever period expires first, if installed within three (3) months after date of shipment from an authorized Allison facility. Installations occurring after more than three (3) months from date of shipment from an authorized Allison facility will be twenty-seven (27) months from date of shipment or one thousand (1000) hours of operation or cycle limitation as defined in the appropriate Operations and Maintenance Manual, whichever period expires first.
 2. Optional equipment not manufactured by Allison and not a part of the basic engine assembly such as Engine Air Particle Separator is excluded from this warranty. The only warranty applicable to these type components are those offered by the manufacturer of the component.
 3. A notice in writing of a warranty claim must be given to Allison or an authorized Allison facility not later than 30 days after the claimed failure, malfunction or non-conformity is discovered and the new engine or new engine part must be returned to Allison or an authorized Allison facility not later than 90 days after such notification is made.
 4. This warranty shall not apply to failures, malfunctions, or non-conformities of engine or engine parts attributable in whole or in part to the failure to preserve, install, operate, maintain, repair, replace or alter the same in accordance with applicable recommendations by Allison or attributable in whole or in part to misuse, corrosion, erosion, neglect, or accident including foreign object damage whether in operation, in transit, or in storage; the replacement of maintenance items made in connection with normal maintenance, labor for removal and reinstallation of failed or malfunctioning engine or engine parts; any such engine or engine part which has been repaired by other than an authorized Allison facility so as in any way to adversely affect the engine or part performance or reliability.
 5. The installation of a new surplus Allison military part resold by the United States Government to the general public which meets all Federal Aviation Administration requirements will not void this warranty. However, if a failure or malfunction of an engine is attributable in whole or in part to such part(s), this warranty is voided unless the Optional New Surplus Allison Military Part Warranty has been purchased from Allison.
 6. THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY NON-CONTRACTUAL LIABILITIES INCLUDING PRODUCT LIABILITIES BASED UPON NEGLIGENCE OR STRICT LIABILITY. ANY ADDITIONAL OR DIFFERENT LIABILITIES ASSUMED BY ALLISON MUST BE CONTAINED IN A WRITING SIGNED BY AN AUTHORIZED EMPLOYEE OF ALLISON.
 7. The obligations of Allison under this warranty are limited to repair or replacement (at Allison option) of engines or engine parts as provided herein and do not include any remedy or liability for incidental or consequential damages of any kind, whether for damage to airframe or other property, for costs or expenses of operation of engines, for commercial losses or lost profits due to loss of use or grounding of engines or aircraft or otherwise.
- In no event, whether as a result of breach of contract or warranty, alleged negligence or otherwise, shall Allison be liable for special or consequential damages including, but not limited to, loss of profits or revenue, loss of use of the engine or engine parts or other equipment, cost of capital, cost of substitute equipment, facilities or services, downtime costs, or claims of customers of buyer(s) for such damages.

GT-1703 (B) (1/96)

Revised January 1996

Upon receipt of the attached, completed card, Allison will ship, without charge, one (1) copy of the appropriate series of Model 250 engine publications (as shown below) to new owners/operators of Allison-powered aircraft (new engine deliveries only):

- 1) Illustrated Parts Catalog (IPC)
- 2) Operation & Maintenance Manual (OMM)
- 3) Complete Set, Commercial Engine Bulletins (CEB)
- 4) Complete Set, Commercial Service Letters (CSL)

Additionally, free of charge revision service for all future CEBs & CSLs will also be initiated by Allison upon receipt of this card.

The attached card may be mailed (postage free in the U.S.), or sent by facsimile to 317-230-4932.

Note:

Annual revision service for the IPC and the OMM must be purchased by the owner/operator through the Allison Parts Distribution Center (PDC). The PDC may be contacted by telephone 502-933-6198 or toll free in the United States at telephone 1-800-232-7321.

NOTE: ALL PUBLICATIONS FOR USED AIRCRAFT MUST BE PURCHASED THROUGH THE PDC.



PUBLICATIONS AND REVISIONS

CSL Is a Commercial Service Letter. Contains information to supplement the O & M Manual. (MOST CSL'S ARE FAA APPROVED.)

CEB Is a Commercial Engine Bulletin. Contains information to inspect or modify engine hardware in conjunction with O & M Manual. (CEB'S ARE FAA APPROVED.)

O & M MANUAL Is the Operation and Maintenance Manual. Per FAR 43-13, each person performing maintenance shall use the methods, techniques, and practices prescribed in the current manufacturer's maintenance manual. (THE O & M MANUAL IS FAA APPROVED.)

IPC Is the Illustrated Parts Catalog. (IPC IS BASED ON FAA APPROVED DATA.)
To Operate as well as to maintain your engine properly and safely, you must refer to all of the above publications.

**IT IS THE OWNER'S/OPERATOR'S RESPONSIBILITY TO CONTACT ALLISON TO INITIATE AND MAINTAIN DISTRIBUTION OF THESE PUBLICATIONS AND THEIR REVISIONS.
THEY ARE NOT DISTRIBUTED AUTOMATICALLY!**



ALLISON MODEL 250 SERVICE PROTECTION PLAN



SPP

OVERVIEW

Optional to the standard Allison engine warranty is our Service Protection Plan (SPP). The purpose of the SPP is to: (1) provide you with a fixed engine cost over extended periods of time; (2) allow for a more accurate cost prediction; and (3) avoid unplanned costs associated with unscheduled maintenance events. As such, SPP provides the following basic coverage by Allison:

- Line maintenance replacement parts (e.g., igniters, fuel nozzles, etc.).
- Scheduled and unscheduled maintenance, including shop labor, parts and consumables.
- Life-limited parts.
- Incorporation of alert service bulletins as soon as possible and recommended bulletins at time of next repair; includes labor, parts and consumables.
- Loaner engines available (at plan rate).
- Availability of unit exchange line replaceable units.
- Continuous spare parts replenishment.

Typically, these services would be provided through the Allison Authorized Maintenance Center (AMC).

Your responsibilities include:

- Line maintenance/inspection labor.
- Removal and installation labor, for scheduled and unscheduled removals.
- Support equipment and tools as specified in Allison technical manuals.
- Submittal of plan reports.

LINE MAINTENANCE AND INSPECTIONS

Labor
Part Replenishment Including Consumable Parts
Shipment Cost of Engine Units

— X
X —
X —

REPAIR, HSI, AND OH AT AMC

Labor
Parts Replenishment - Including Consumable Parts
Life Limited Parts Replenishment
Parts Repair & Modification
Shipment Cost of Engine Units

X X
X X
X X
—
X —

RECOMMENDED CEB'S

Parts - Including Consumable Parts
Labor

X X
X —

OVERHAUL RECORD

VICE RECORD LINE ASSEMBLY

Part I
Page No. 1

Engine Model 250-C47B

REMOVED

Date	Engine Time		Reason
	Since OH	Total	
4-24-00	NEW	424.9	was on #1 by sent shaft + nut
6-7-01	NEW	650.4	Rental Return
050 Arel 5 FEB 02	859.0 859.0	859.0	199 CYCLES RENTAL RETURN
5/10/02	TSN	1,158.1	Rental Return

TRANSFERRED / SHIPPED					RECEIVED	
Date	From	To	Engine Time		Date	Organization
			Since OH	Total		
6-16-96	ALLISON	BELL	NEW	0.0	JUNE 1996	BHTC
23 MAR 01	A.S.I	OCSD	NEW	424.9	5 Jul 00	A.S.I
6-7-01	OCSD	ASI	NEW	650.4	11-01-01	ASI
11-02-01	ASI	OCSD - AVIATION ARRANGES NY	NEW	650.4	7 MAY 01	OCSD AIR 2
5 FEB 02	OCSD	ASI 1	NEW	859.0	7 FEB 02	ASI
11 FEB 02	ASI		TSN	859.0	2/12/02	OCSD
					5/15/02	ASI
6/17/02	ASI	OCSD	NEW	1158.1	6/18/02	ABUE/OCSD
9/12/02	OCSD	ASI	NEW	1447.3	1/8/03	ASI
11/10/03	ASI	ABUE/OCSD	NEW	1525.4	4/2/03	ASI
30 DEC 10	ASI	Air Center	NEW	1829.9	07 FEB 10	Air Center



GT-2786DT

AD NOTE COMPLIANCE AND CEB MODIFICATION RECORD ENGINE ASSEMBLY

Part III Page No. 1

Engine Serial Number CAE-847057

Engine Model 250-C47B

AD #	Applicable CEB #	Date		Method of Compliance	One Time	Recurring	Next Comp. Date		Signature and Certificate Number
		Hours @ Comp.	Comp.				Next Comp. @ Hrs	Next Comp. @ Hrs	
AD 96-24-09	CEB-A-73-6010 CEB-A-73-6012	21 NOV 96	11.3		X				Burns, Bert MMF-E19-101 Type of Coating # GS1R17K
(AD 407-97-9)	CEB-A-73-6015 (Synchrodes A-73-6014)	7-17-97	118.6	New configuration engine FADEC	X				Ed Steubler CRSDELR158D
AD 97-21-09	CEB-A-73-6010 CEB-A-73-6015	11-28-97	175.6	Para (A), (B) and (C) P.C.W. plus Para (D), (E), (F), (G), (H), (I), (J), (K), (L), (M), (N), (O), (P), (Q), (R), (S), (T), (U), (V), (W), (X), (Y), (Z)	X				Bob Stodoloff CRSDELR158D
CEB-A-73-6017	CEB-A-73-6010 CEB-A-73-6015 CEB-A-73-6017	3-26-98	207.3	INSTALLED INSIDE EMC-35A FADEC	X				Tom Rizzo AP5002551E Kum Borgny CRSDELR158D
AD 98-10-03	CEB-A-73-6030	1-4-99	238.2	Inspection of HMU drive splines		X			Kum Borgny CRSDELR158D
	CEB-A-73-6032	2-4-00	297.2	UPGRADE FADEC					Kum Borgny CRSDELR158D
	CEB-A-73-6035	406.4	406.4	ELC # 23076144	X				Tom Borgny CRSDELR158D
		2-8-00	406.5	UPGRADE HMU	X				Bob Wren AP 495704074
				# 23072725	X				AP 495704074



GT-2786DT

AD NOTE COMPLIANCE AND CEB MODIFICATION RECORD ENGINE ASSEMBLY

Engine Serial Number CAE-847057

Engine Model 250-C47B

AD #	Applicable CEB #	Date		Method of Compliance	One Time	Recurring	Next Comp. Date	
		Hours	⊗ Comp.				Next Comp. ⊗	Hrs
	<i>CEB A-72-6032</i>	<i>2/24/02</i>		<i>N/A By plan of engine</i>				
		<i>4/10/02</i>		<i>Chap de pistons usés</i>				
	CEBA72-6037	23MAR01		1st Nozzle shield				T/C: 2447
	CEB73-6018	424.9		insp@TC1447		X		
		23MAR01		PMA replace				
		424.9				X		
	CSL-A-6010	23MAR01		Comp. Rotor and				
		424.9		spline Insp.		X		@2424.9
	CSL-A-6012	23MAR01		NI shafting Insp.		X		@2424.9
		424.9						
	CEB72-6009	23MAR01		Model 250 ENG		X		
		424.9		conversion auth.				
		10-30-01						
	CEB A72-6030	631.2		HMU SPLINE INSP.		X		@ 950.4
		2-11-02						
	CEB A73-6030	859.0		HMU SPLINE INSP.		X		1159.0
	<i>CEB A73-6030</i>							



GT-2786D

AD NOTE COMPLIANCE AND CEB MODIFICATION RECORD ENGINE ASSEMBLY



Part III
Page No. 3

Engine Serial Number CAE- 847057 Engine Model 250- C47

AD #	Applicable CEB #	Date		Method of Compliance	One Time	Recurring	Next Comp. Date Next Comp. @ Hrs	Signature and Certificate Number
		Hours	@ Comp.					
2003-13-10	A73-6030	03 July 03		IAW CEB para 2(b)		X	2129.9	<i>[Signature]</i> AST-CRS#TU3R880L
2004-24-04	A-6030	1829.9		N/A by HMU P/N				CRS# TU3R880L
2004-24-09	A-73 6041	23 FEB 2006		N/A by nozzle P/N		X		
	73-6036	23 FEB 2006		Release of new ECU		X		
	73-6039	1829.9		HMU screened P1 nozzle		X		
	CSL A-6012	23 FEB 2006		N1 Shafting Inspection		X		
	A-73-6042	1829.9		HMU dual element Potentiometer		X		
	A-73-6040	23 FEB 2006		HMU PLA signal		X		
		1829.9						



Air Services International

ENTER										
	74-6002	8/26/13	2057.80	REPLACE FADEC EXCITER IN	X					ETOR
	72-6008 Rev3	12 Oct 2015	2113.10	Relase new acces. hard and anti-ice tube	X					
	72-6016 Rev2	12 Oct 2015	2113.10	Self-sealing, quick disc fuzz burn.chip detector.						
	A72-6050 Rev2	12 Oct 2015	2113.10	Insp.#3 turb. wheels	X					


MAINTENANCE OVERHAUL RECORD

MODIFICATION RECORD ENGINE ASSEMBLY

Part III Page No. 5.

847057

Engine Model 250-C47B

Title	Signature	Organization
Torque the metering head regulator cover bolts.		TU3R880L

Organization

SON

APP.1-86

APP.1-86

APP.1-86



GT-2784AT

INSPECTION - MAINTENANCE - OVERHAUL RECORD INSPECTION - MAINTENANCE - OVERHAUL RECORD ENGINE ASSEMBLY

Part IV
Page No. 3

Engine Serial Number CAE- 847057

Engine Model 250- C47B

Part IV
Page No. 1

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
6-16-96	NEW	0.0	FUEL SYSTEM PRESERVED WITH MIL-0-6081 OIL.		
8-7-96	NEW	0.0	FUEL SYSTEM DEPRESERVED	<i>[Signature]</i>	ALLISON
8-7-96	NEW	0.0	Accessory Harness Jumper Leads installed	<i>[Signature]</i>	AMTC CO APP. 1-96
			Qty (2) P/N 23065391		AMTC CO APP. 1-96

DATE: 21 Nov 96
 WORK ORDER(s): 6152 / 6383
 ENGINE S/N: CAE-847057
 ENGINE TT: 11.3
 TSO: 11.3
 The following work was accomplished: Removed ECU P/N 23064650 S/N JG6ALK0120 and installed ECU P/N 23064650 S/N JG6ALK0210.
 Removed Harness P/N 23062796 S/N NX0066 and installed Harness P/N 23065805 S/N NX0061.
 Cycles: 68

AD 96-24-09
 Para A Compliance with CEB-A-73-6010: Install Harness.
 Para B Compliance with CEB-A-73-6011: Disable Overspeed Solenoid -- Compliance performed by Chandler Evans.
 Para C Compliance with CEB-A-73-6012: Inspect ECU
 Performed ground run, leak check and test flight. Power status +15. Engine approved for return to service. Reviewed all Airworthiness Directives through issue 96-23. Refer to work order numbers 6152 and 6383 for details.
 Robert Castin / Chief Inspector for: HAS Corporation, P.O. Box 1117, Mount Pleasant, PA 15666 FAA CRS #GSIR177K



INSPECTION - MAINTENANCE - OVERHAUL RECORD ENGINE ASSEMBLY

GT-2784A (5/95)

Part IV
Page No. 3

Engine Serial Number CAE- 847057 Engine Model 250- C47B

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
7-10-97		113.9	Replace scavange O.Y.F.H. PLW 2306344 + overing- C/W Engine Compressor Wash Grand leak check. Oil serviced with Aeroshell 560 Turbine Oil. certify that the item identified above was repaired and/or inspected in accordance with current FEDERAL AVIATION REGULATIONS and is approved for return to service.	<i>[Signature]</i>	
7-17-97		118.6	Removal of HMD PLW ALCIT. 118.6 hrs	<i>[Signature]</i>	
23067960	s/n J6ALM0132	PLW 23064650	Removal of HMD PLW Just installed PLW 23068651 s/n J6ALM064 T.S.N. 23.015		
Removal of ECU	PLW 23064650	s/n J6ALK0210	Just installed PLW 23068348 Removal of HMD PLW		
s/n J6ALK0175	T.S.N. - 52.0 hrs.	All work and rigging of HMD done			
PLW CEB A-73-6015	Model 250-247B	Maint. replaced. Leak ops checks good			

Particulars of the work performed are
at this agency under work order number 18875

FOR JEICORP FAA CERTIFICATED REPAIR STATION NO. 18875
18152 EDISON AVENUE, CHESTERFIELD, MO 63005

certify that the item identified above was repaired and/or inspected in accordance with
current FEDERAL AVIATION REGULATIONS and is approved for return to service.
[Signature] DATE 7-18-97

10-3-97	1534	Completed with 150HRC Inspection per Allison 950-24728 Maint/Operation Manual guidelines, #6007 Being Oil Flow check = 175cc. Serviced with Aeroshell 11		
FOR JETCORP FAA CERTIFICATED REPAIR STATION 18152 EDISON AVENUE, CHESTERFIELD, MO 63005		560 Turbine Oil Screen Drain Leak checked OK I certify that the item identified above was repaired and/or inspected in accordance current FEDERAL AVIATION REGULATIONS and is approved for return to service.		
partinent details of the work performed are	number	signature	DATE	
the at this agency under work order number	1756	1013		
11-28-97	1756	Completed with A.D. 97-21-09 by verifying para (a)(b) and (c)(d) were P.C.U'd, then chg Para (c)(2) by re-writing pages from Batteries at FM add & record of AD 96-24-09. I certify that the item identified above was repaired and/or inspected in accordance current FEDERAL AVIATION REGULATIONS and is approved for return to service.		
FOR JETCORP FAA CERTIFICATED REPAIR STATION 18152 EDISON AVENUE, CHESTERFIELD, MO 63005				
partinent details of the work performed are	number	signature	DATE	
the at this agency under work order number	1756	1013		



GT-2784A (5/95)

INSPECTION - MAINTENANCE - OVERHAUL RECORD ENGINE ASSEMBLY

Part No. 5
Page No. 5

Engine Serial Number CAE-847057

Engine Model 250-C47B

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
3-26-98		207.3	REMOVED FADDC CONTROL SUIT JG6ALK 0175 INSTALLED SUIT JG6ALK 0026 COMPARE WITH ALLISON CER-A-73-6017 ALL WORK DONE IN ACCORDANCE WITH ALLISON SPECS	MONTE EME 35A	MONTE EME 35A
4-10-98		216.7	Replaced o-ring and gaskets on Acc. 818 vent line fitting. Checked diffuser vent orifice line pressure found to be at 2.5 inHg		
			At Idle and 7.8 inHg at 100% RPM. For Jet Compressor Station No. 18152 EDISON AVENUE, CHESTERFIELD, MO. 63005		
			certification details of the work performed are		
			DATE <u>4-1-10</u> <u>9865</u>		

Signature: *[Handwritten Signature]*

DATE 4-1-10

Signature: *[Handwritten Signature]*

9865

6-01-98	228.5	ADJUSTED ENGINE OIL PRESSURE TO 122 PSI AT 79% - 94% N1 SPEED WITHIN SPECS FOR ALLISON MAINTENANCE MANUAL - LEAK CHECKED AND SECURED - END -	122 PSI
		fuel lines AP 495704074	
7-7-98	238.2	sampled with AD. 98-10-03 by verifying para (a), (b), (c), (d), and (e) has been completed with in full	
FOR JETCORP FAA CERTIFICATED REPAIR STATION NO. DELR153974 that the items identified above, was required and/or inspected in accordance with 18152 EDISON AVENUE CHESTERFIELD, MO. 63005 DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION and is approved for return to service maintenance details of the work performed are <u>59730</u> <u>SEARCHED</u> <u>INDEXED</u> <u>SERIALIZED</u> <u>FILED</u> DATE <u>7-7-98</u> performed at this agency under work order number <u>59730</u> <u>SEARCHED</u> <u>INDEXED</u> <u>SERIALIZED</u> <u>FILED</u> DATE <u>7-7-98</u>			

- MAINTENANCE - OVERHAUL RECORD ENGINE ASSEMBLY

057 Engine Model 250- C47B

Remarks	Signature and Certificate No.	Organization
ENGINE SEARCHLIGHT OIL FILTER INDICATES BYPASS WHEN OIL IS LOW, RETURNING FILTER INDICATED FOUND TO BE NORMAL		
INSTALLED NEW FILTER PART 23063144 WITH NEW SPARK GROUND RUN CHECK FOR AIR LEAKS CHECK COMPARED WITH AIRC WORK DONE IAW WITH MILS SPECS SCHEDULED WITH APPROXIMATE \$600.00		

[Signature]
AP300705638

Engine Time

Since OH

Total

Remarks

Signature and Certificate No.

297.2

Complied with 150/300HR inspection per All

Maint Manual Table 603 and 604, Replaced

vent tube with new style plw 23068212, Repl

igniter with new plw 6899084. work d

250-247B M.M. All applicable leak & ops cks

Serviced with Aeroshell 560 turbine oil

FAA CERTIFICATED REPAIR STATION NO DELR1588
CHESTERFIELD, MO 63005

certify that the item identified above was repaired and/or inspected
CURRENT FEDERAL AVIATION REGULATIONS and is approved for return

work performed are
work order number

51289

SIGNED

Karin Borgny

DATE

7

Remarks

Signature and Certificate No.

Organization

Removed and Replaced CEFA oil 1 Filter
due to investigation oil metal debris 1AUJ
Allison 250-C47B M.M 72-60-00, leak check

good Serviced LOT Aeroshell 5600
10-18-99

parts of the work performed are
the at this agency under work order number

✓ 2093

Removed & Replaced CEFA & pressure oil filters, found
1 small metal silver end necessary gear box chip detector.
Q. W 30 minute ground, inspected both engine chip
detectors, ~~found~~ no metal found. All work done
D.A.W manufacturer maint. ~~found~~ in manufacturer's
approved to return to service. Donald D. Kruza
30666321

Date	Engine Time		Remarks
	Since OH	Total	
16760		396.4	Complies with 150 H Allison 250-C47B M/W T Internal oil filter w P/N 6870032. Remover oil filter P/N 2305645 Filter P/N 23063144. Ground checks good. Service 8 500 oil. T certifi was been inspected in hour inspection and was for JETCO APPROVED REPAIR STATION 18152 EDISON AVENUE, CHESTERFIELD MO 63005 MO 63005 J 2499

Date

Engine Time

Since OH

Total

Remarks

16760

396.4

FOR JETCO APPROVED REPAIR STATION
18152 EDISON AVENUE, CHESTERFIELD

MO 63005

Important details of the work performed are
on file at this agency under work order number

J 2499



INSPECTION - MAINTENANCE - OVERHAUL RECORD ENGINE ASSEMBLY

GT-2784A (5/95)

Part IV
Page No. 11

Engine Serial Number CAE-847057

Engine Model 250-C47B

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
2/01/00		405.2	Removed engine chip detector on accessory gearbox chip detector complied with 30 minute green run, reinspected both engine chip detectors, no metal both engine engine with 1 qt Aeroshell 500 oil. Engine 75 approved for return to service. All work done in AW Allison 250-C47B M/m	Richard Plattus PSHEL155A	2/01/00

FOR JETCORP FAA CERTIFIED REPAIR STATION NO. DELR1580
 1852 LINDEN AVENUE, CHESTERFIELD MO 63005
 Department details of the work performed are
 on file at this agency under work order number 58648

Approving National Aviation Authority / Country

	Particular details of the work performed are	JOB NO
	Kevin Boyer	2-4-00
2-08-00	COMPLETED WITH CER A-73-6035 BY REMOVING FIRM	
	PW 23068651 SW 36 ALM 0264 AND INSTALLING	095
	PW 23074644 SW 56 ALM 0549 LEAK AND OPS	
	CHECK GOOD - END	
	see below	AP 495704074 2-
		09-00

2/24/00	410.2	Complish with CEB A-72-6032 Inspecter engine chip detectors and found this CEB A-72-6032 to be replaced by plan of engine chip detectors installed. No further action required.	Retained Detectors
FUH JC 18152 EDISON AVENUE CHESTERFIELD, MO 63005 Pertinent details of the work performed are			
4/24/00	424.9	Remove Valve Control Assy (CTSN 531.6) SN T66AK0128 for use on Eng SN CPE 842281	2/24/00
4/24/00	424.9	Remove Eng from the SN 53098 due to wear on the bag skirt + metal from turning over	



GT-2784A (S/S)

INSPECTION - MAINTENANCE - OVERHAUL RECORD ENGINE ASSEMBLY

Part IV
Page No. 15

Engine Serial Number CAE-847057

Engine Model 250-C47M

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
23MAR01	NEW	424.9	Converted engine per CEB72-6009 from C47B to C47M, performed 300 hour inspection and tested, all work performed IAW Rolls-Royce Manuals CSP 21004/ CSP22001	<i>[Signature]</i>	A.S.I
4/5/01	NEW	424.9	Remove Exciter Pn# 23064130 SN# 82326 For installation N1855D		<i>[Signature]</i> IWA5090358
4/5/01		424.9	Install Engine in motor Helicopters N1855D SN# 23064130 SN# 82326		<i>[Signature]</i> IWA5090358
4/10/01		424.9	Reinstall Exciter Pn# 23064130 SN# 82326 CERTIFY THAT THIS REASSEMBLED ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH ISO hr. INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.		<i>[Signature]</i> IWA5090358
5/1/01		522.9			<i>[Signature]</i> IWA5090358

SIGNED

[Signature] IWA5090358

Remarks	Signature and Certificate No.	Organization
<p>CERTIFY THAT THIS AIRCRAFT/FERRETTE HAS BEEN INSPECTED IN ACCORDANCE WITH 150 hr. INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p>	<p>SIGNED <i>Males</i></p>	<p><i>IA 550901356</i></p>
<p>Install New N² Probe 23054164</p>	<p><i>R Santos</i> S/N# 388</p>	<p><i>IA 550901356</i></p>
<p>Removed Engine from MD600N</p>	<p>N184SD SN RN 017</p>	<p><i>IA 550901356</i></p>
<p>@ A/c Time of 42100 hrs</p>	<p><i>[Signature]</i></p>	<p><i>IA 550901356</i></p>
<p>PERFORMED 300 HOUR INSPECTION</p>	<p><i>[Signature]</i></p>	<p><i>IA 550901356</i></p>
<p>(POST RENTAL) AND CONVERTED TO</p>	<p><i>[Signature]</i></p>	<p><i>ASI</i></p>
<p>C47B ALL WORK DEPENDENT ON ...</p>	<p><i>[Signature]</i></p>	<p><i>[Signature]</i></p>

GT-2784A

Inspection-Maintenance-Overhaul Record

Rolls-Royce

Engine Assembly

Part IV

Page No.

11

Engine Serial Number **CAE-947057**

Engine Model **250 C47B**

Date	Engine Time		Cycles	Remarks	Signature / Certificate	Facility
	New	Since OH				
7-Nov-01	650.4	TSN	1,660	Installed engine assy into Bell 407, S#63330, N407SD, Act:1960.0		
	Performed the following:					
				Ceb-A-72-6037 Nozzle Shield Insp Next Due: @ 2,447 cycles		
				Ceb-A-73-6030R2 HMI Spine Insp Next Due: @ 950.4 Etsn		
				Ceb-A-73-6032 ECU modifications are complied with		
				Ceb-A-73-6035 HMI modifications are complied with		
				CSP-21001 O&M Table 603 & 604, 150 & 300 Hr Insp's were complied with by ASI		
				Serviced oil with Aeroshell #560		
				Bled the eng oil system to #8 Jet Tube	CP Schematic	OCS
				Ground run up, leak & functional checks	A&P109502996	OCS
8-Nov-01	652.5	TSN	1,670	After 3 hr chip detector insp's-checked ok.	CP Schematic	OCS
				Performed the CSP-21001 O&M Ch 72-30-00, pg 231 Compressor wash		
9-Jan-02	800.6	TSN	1,851	CSP21001 Table 603 150 Hour Inspections	CP Schematic	OCS
				CSP21001 Table 603 150 items 21 thru 25 Operational checks & tests were completed	A&P109502996	OCS
5-Feb-02	859.0	TSN	1,919	Removed Engine Assembly as Time Continued Serviceable, from N407SD, s#53330@Act 2158.6	CP Schematic	OCS
				Removed Time Continued Serviceable, Fuel Nozzle s#1RL02581, for use on CAE-947370	A&P109502996	OCS

Date	Engine Time		Cycles	Remarks	Signature / Certificate	Facility
	New	Since OH				
2-11-02	859.0	TSN	1919	Performed 300hr / Post Rental inspection and converted to CYTM I/A/W Rolls Royce Manual CSP 21004 and CER 72-6009. Details on file under AST W/O's 80611-2 and 80725	[Signature]	AST
2-15-02	859.0	TSN	1919	Installed Engine in M0600N - N18550	[Signature]	
3/18/02	959.0	TSN	100hr.	CERTIFIED THAT AIRFRAME HAS BEEN INSPECTED IN ACCORDANCE WITH INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.	[Signature]	TSN
2/20/02				SIGNED <u>[Signature]</u> PH550901356		
4/15/02	1109.0	TSN	150hr	"T" Fitting for #647 oil nozzle - leaking & welded. Installed Serviceable "T" Fitting INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.	[Signature]	TSN
				SIGNED <u>[Signature]</u> PH550901356		



INSPECTION - MAINTENANCE - OVERHAUL RECORD ENGINE ASSEMBLY

GT-2784A (5/95)

Part IV
Page No. 19

Engine Serial Number CAE-8417057 Engine Model 250-

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
5/10/02	TSN cycles	1158.1	Removed Engine from N185SD @ Accumulated 299.1 hrs. this installation.	4399.1 hrs. A/c T11	DCSD MAG IA 55080358
6-14-02	NEW	2175	Complied with 300hr/Post Rental inspection T/H/W		AST
		TC: 2175	Rolls Royce Manual RSP 21004. Details on file		TU3A8801
6/20/02		1158.1 hrs.	Installed Engine in M0600N N185SD @ 4508.9 A/c T11		Mag IA 55080358
7/9/02	TC ECU cycle ENG AIF	2175 1930 1295.9 4646.7	Installed HMU 23072725 TGALM0078 - 1610.0 hrs on HMU TESTED THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH 150 hrs. INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.		

SIGNED

ce



GT-2784A (5/95)

INSPECTION - MAINTENANCE - OVERHAUL RECORD ENGINE ASSEMBLY

Part IV
Page No. 19

Engine Serial Number CAE-8417057

Engine Model 250-

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
5/10/02	TSN cycles	1158.1	Removed Engine from N185D @ 4399.1 hrs. A/c T11 Accumulated 2991 hrs. this installation.	<i>[Signature]</i>	DCSD MAG. Dept TA 55050356
6-14-02	NEW	1158.1	Complied with 300hr/Rest Rental inspection T/A/W	<i>[Signature]</i>	AST
		TC: 2175	Rolls Royce Manual (RSP)		
			21004. Details on file		TU3A8801
			Under ASI W/D 80725		
6/20/02		1158.1 hrs.	Installed Engine in MD600N N185D @ 4508.9 A/c T11	<i>[Signature]</i>	MAE Dept IAS0901556
	TC	2175			
	ECU cycle	1930	Tested Hmu 23072725 TGALM0078 - 1610.0hrs on Hmu		
	ENG	1295.9	TESTED THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH		
7/9/02	AIF	4646.7	150hr INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.		

SIGNED

[Signature]

ce

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
9/12/02	ECU cycles 2187 Total cycles 2432	ENS 1447.3 hr. AIE 4798.1 hr.	Removed Engine from N18550.	<i>Mark S. [Signature]</i> 550901358	ASD
9/24/02	NEW	1447.3 TC 2432	Completed Post Rental & 300 Hr. Engine Inspection DETAILS on file under ASI w/o 80495 80725 RB	<i>R. J. [Signature]</i>	ASZ
9-30-02	NEW	1447.3 TC: 2432	Converted to C47B IJAW CEB 72-6009 and Rolls Royce Manua / CSP 22001. Details on file under ASI w/o 80767	<i>[Signature]</i>	ASZ
10-03-02	NEW	TT: 1447.3 CSN 8432	INSTALLED Engine in BELL 407 S/N 53380 TT 1925.9 AEC: 2983 IJA/W 05HT407 W/W-9 CHAPTER 91-00-00 PARA 71.21 T/W 71-25. GROUND SWY, DRAC CHECK OPERATIONAL CHECKS OKAY.	<i>[Signature]</i> 1143368457	TU32880L AZ. DPS W# 521002.

Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV
Page No. 21

Engine Serial Number CAE- 847057

Engine Model 250- C47B

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
1/10/03	NEW	1525.4	Converted to C47M JAW		ASI
		TC: 2613	CEB 72-6009 and Rolls Royce Manual CSP 21004, Complied with Post Rental Inspection JAW CSP 21004, Details on file under ASI W/O 80767		
1/17/03	NEW	1525.4	Installed Engine in M/D 6000	N18450 SN# RV017 of ALTT. 6000	
		TC: 2613	Install 0750 combustion liner SN# 355	Charles R. Easter	TR550901576
1/29/03		1605.3	Exciter ring - Remove Exciter	RN# 23064130 SN# B-23261	Charles R. Easter
			Install Exciter	RN# 23064130 SN# B-E5039	TR550901356

GT-2784A (12/98)

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
2-7-03	NEW	1625.4	I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH <u>150 hr</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.	<u>Mark R. Senter</u>	550901356
3-6-03	NEW	1725.4	I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH <u>150 hr</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.	<u>Mark R. Senter</u>	550901356
4-2-03	NEW	1829.9	Removed Engine from N184SD @ 6504.5 A/C hours	<u>Mark R. Senter</u>	550901356
4-17-03	NEW	1829.9 472 2874	Completed with post Removal 300 H INSP. of eng. In Awd C.S.P. - 21004 Revision #5 No Defects NOTED AT THIS Time * TOP INFORMATION See ASI w/o # 41707	<u>Mark R. Senter</u>	550901356

GT-2784A (12/98)



Inspection - Maintenance - Overhaul Record Engine Assembly



Part IV
Page No. 23

Engine Serial Number CAE-847057 Engine Model 250-47B

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
03 July 2003	NEW	1829.9	Engine converted from C47M to C47B in accordance with CEB-72-6009.	 CRS# TU3R880L	ASI
9/23/03	NEW	1829.9	Complied with eng. conversion from C47B to C47M I/A/W rolls royce manual CSP-21001 & 21004 with CEB-72-6009. details on file under A.S.I W/O #41786	 	TU3R880L
10/16/03	NEW	1829.9	Remove bleed valve P/N# 23005366 S/N# FF23585	 550 901356	725.0W. TSO ABLE
11/12/03	NEW	1829.9	Installed bleed valve S/N # FF40310 I/A/W RR-OPS, manual details on W/O#41786-2	 	A.S.I TU3R880L

GT-2784A (12/98)

Inspection - Maintenance - Overhaul Record Engine Assembly



Engine Serial Number CAE-847057 Engine Model 250-47B

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
23FEB2006	TSN	1829.9	Completed with an off airframe 150/2000 hour inspection. Installed overhauled S/N CAT-44083. - Not tested. AD's 2006-03. All work accomplished in accordance with Rolls Royce manuals CSP 22001, 2nd ed., 6th rev, and CSP 21001 2nd ed., 8th rev. ASI work order 80820		CRS# TU3R880L A.S.I.
		TC: 2874			
07DEC10	TSN	1829.9	Assembled engine in "B" configuration with serviceable tested compressor S/N serviceable gearbox S/N CAG-47077 and serviceable tested turbine S/N CAT-44096. Current accessories installed listed in Part VI, page 3.		CRS# TU3R880L A.S.I.
		TC: 2874			
			Not tested. All work accomplished in accordance with CSP21001, temp. rev E2R13-72-1. W/O E66015-2.		ASI Service



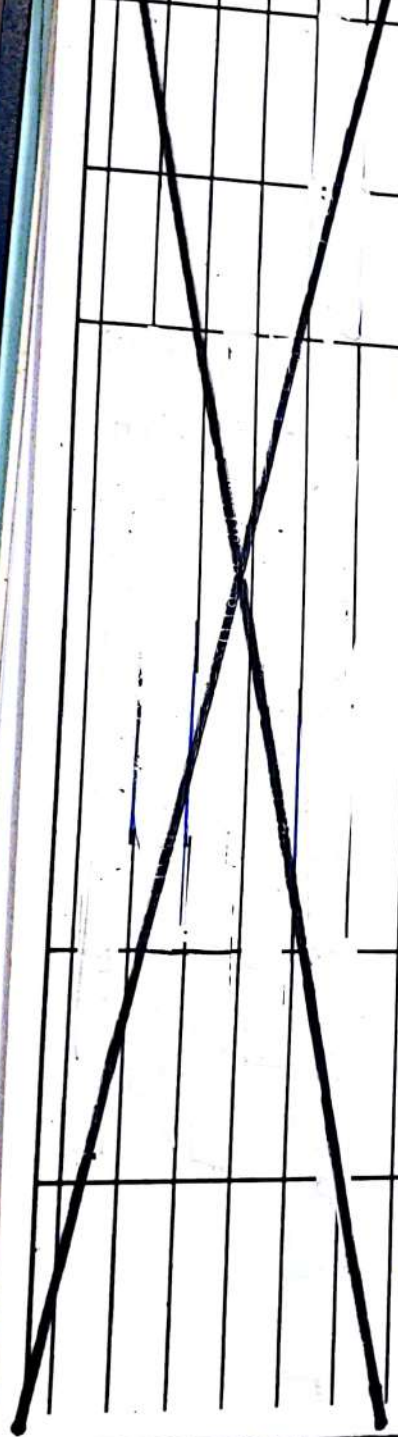
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INSPECTION — MAINTENANCE — OVERHAUL RECORD ENGINE ASSEMBLY

Part IV 25
Page No. _____

Royce

Date	Since OH	Engine Time		Remarks	Signature	Organization
		Total				
12-8-10	TSN	1829.9		Installed in Bell 407	<i>[Signature]</i>	Air Center
B/M/11	TSN	1876.1		Removed Engine from Bell 407	<i>[Signature]</i>	APP
15AUG11	TSN	1876.1		S/N 53354 @ AITTI 32920	<i>[Signature]</i>	CRS# TU3R889L
		TC: 2919		(off airframe) in accordance with Rolls Royce manual CSP 21001, T.R. E2R13-72-2, E2R13-77-1, dated 08APR11.	<i>[Signature]</i>	ASI Services
Work order E66123						



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Inspection - Maintenance - Overhaul Record Engine Assembly






Rolls-Royce

Part IV
Page No. 28

Engine Serial Number CAE847057

Engine Model 250-C-47B

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
6 Aug 2014	TSN	2113.10	Visually inspected and tested engine		ASI
	CSN	3440	Passed. All work performed IAW RR OHM CSP22001 2nd Ed. 14th Rev. dated 15 Sep 2013 through T.R. E2R14-72-2 dated 15 May 2014.		
			Note: Prior to use CEFA, upper and lower chip detectors and 2 (ea) CEFA to HMU fuel tube assemblies, ignition exciter must be installed.		
			Details on file under ASI WO: F66235		CRS# TU3R880L

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
12 Oct 2015	TSN	2113.10	Repaired engine IAW R.R OHM GSP22001 Ed.2 Rev.16 dated 15 Sep 2015.		A S I
			Details on file under ASI WO:E66254.		TU3R880L
1/15/13	TSN cycle	2148.90 3489	performed 150 hr. inspection. Completed with CEB-73-6054 Rev.2. Installed inspected ignition exciter PN:6899093, SN:UY02201088. Turoine SN:CAT-44096 #1 wheel PN:23053299, SN:X143339, 305.20 hrs and 160 cycles remain for required 500hr/500 cycle FPI. Ref:R.R.OMM GSP21001 Ed.2 Rev.20 dated 1 Sep 2017, T.R.E2R20-72-1		A S I
					TU3R880L

GT-2784A (12/98)

Inspection - Maintenance - Overhaul Record Engine Assembly



Part IV
Page No. 30.

Engine Serial Number CAE- 847057 Engine Model 250-C-47B

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
1/15/18	TSN cycle	2148.90 3489	dated 20 Dec 2017, and R.R. DHM CSP22001 Ed.2 Rev.18 dated 16 Sep 2017. Details on file under ASI WO:E66313.		AS I TU3R880L

GT-2784A (12/98)

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Inspection - Maintenance - Overhaul Record Engine Assembly

Engine Serial Number CAE- 847057

Engine Model 250-47B

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
8/26/13	TSN	2057.80	C/W TIME CONTINUED SERVICEABILITY INSPECTION		A.S.I.
CYCLES	CSN	3387	AND REPAIR DUE TO SHIPPING DAMAGE. C/W 150/300 HR. N.O. E66134 OFF AIRFRAME INSPECTION REQUIREMENTS I/A/W		
			RRM CSP21001, 2ED.REV.15 DATED SEPTEMBER 1ST.2012		
			THRU TEMP.REV. TR E2R15-72-1 DATED MARCH 22ND.2013.		
			C/W 3500 HR. MPI INSPECTION OF G/B MODULE.		
			C/W FPI INSPECTION OF 1ST.STG. TURBINE WHEEL S/N X14B3339.		
			WHEEL IS ACCEPTABLE FOR LIMITED USE WITH F.P.I.		
			INSPECTION DUE IN 500 HOURS OR 500 CYCLES.		
			NEXT DUE AT ENGINE TOTAL TIME 2557.80/3387 CYCLES		
			WHICHEVER COMES FIRST. ALL WORK DONE I/A/W ROLLS ROYCE		
			MANUAL CSP22001, 2ND.ED.REV.12 DATED 9/15/11 THRU TEMP.REV.		
			E2R13-72-1 DATED 7/5/13.		ASI TU3R880L



Rolls-Royce

Part IV Page No. 27

Inspection - Maintenance - Overhaul Record Engine Assembly

Engine Serial Number CAE- Q17057 Engine Model 250- C47B

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
28 JUL 13	2057.8		Installed engine in ACFT S/N 53023 @ 2057.8 ETR		
			Installation performed 1/14/13 RR MM & BHT MM.		
			Post installation Maint. operations check performed		
			Next insp due @ 2207.8		
				ET (150 (the 1st)).	
				AP 5891933	Helo Air, Inc
10 OCT 2013	2113.10 CSN	2113.10	Removed engine from ACFT SN 53023 @ 2113.1 ETR.		
		3440 C-1.	Removed per forward 1/14/13 RR MM & BHT MM. Engine		
			Prepared for shipment		
			2113.1 ETR		
			3440 cyc.		
				AP 8391933	Helo Air Inc.



F-2785A (5/95)

ASSEMBLY RECORD ENGINE ASSEMBLY

Part V
Page No. 1

Engine Serial Number CAE-847057

Engine Model 250-C47B

Nomenclature	Part Number	Serial Number	INSTALLED			REMOVED			Reason
			Date	Eng	TT	Date	TSO	TT	
GEARBOX	23063393	CAG-47056	6-16-96	0.0	NEW	30OCT07	1829.9	TSN	Convenience
COMPRESSOR	23063379	CAC-44084	6-16-96	0.0	NEW	4-14-00	424.9	NEW	NO. 1 BRG FAILURE
TURBINE	23063354	CAT-44083	6-16-96	0.0	NEW	4-14-00	424.9	NEW	M.I.O.
TURBINE	23063354	CAT-44083	23 MAR 01	424.9	NEW	6/21/04	1829.9	TSN	RENTAL
COMPRESSOR	23063379	CAC-44084	23 MAR 01	424.9	NEW	4/17/03	1829.9	TSN	ENB: 1829.9 Conv.
COMPRESSOR	23063379	CAC-44084	03 July 03	1829.9	NEW	05OCT06	1829.9	TSN	Convenience
TURBINE	23063354	CAT-44083	09 FEB 06	0.0	NEW	29.9	1953.8-1829.9	TSN	Convenience
Turbine	23063354	CAT-44096	06DEC10	1829.9	CSN: 2874	14 Aug 14	2113.10	TSN	CSN: 3440
Gearbox	23063393	CAG-47077	"	1829.9	TSN				
Compressor	23065593	CAC-45026	"	1829.9	TSN				



GT-2786C

ASSEMBLY RECORD ENGINE ACCESSORIES

Part VI
Page No. 1

Engine Serial Number CAE-847057

Engine Model 250-C47B

Nomenclature	Part Number	Serial Number	INSTALLED		REMOVED		Reason
			Date	TT TSO	Date	Eng TT Comp TSO	
HYDROMECHANICAL UNIT (HMU)	23057883	JGALM0111	6-16-96	0.0 NEW	8/96	0.0 NEW	CEB A-73-6007
FADEC CONTROL ASSY (ECU)	23064650	JG6ALK0120	"	0.0 NEW	21 NOV 96	11.3 NEW	CEB A-73-6012
FUEL NOZZLE	6899001	IRL02581	"	0.0 NEW	5 FEB 02	859.0 1910 Cye	For use on S49390
BLEED VALVE	23005366	FF57017	"	0.0 NEW	11-07-02	1500.6 1500.6	COE24444
HMU	23057883	JGALM0132	8-5-96	0.0 NEW	7-17-97	118.6 New	CEB A-73-6015
ECU	23064650	JG6ALK0210	21 NOV 96	11.3 NEW	7-17-97	118.6 New	CEB A-73-6015
HMU	23068651	JGALM0264	7-17-97	23.0 NEW	2-08-00	310.7 NEW	CEB 73-6035
ECU	230683482.A	JG6ALK0175	7-17-97	5.2 NEW	3-26-98	288.3 NEW	CEB A-73-6017
ECU	23070354	JG6ALK026	3-26-98	824.1 NEW	2-4-00	1023.2 NEW	CEB A-73-6017
ECU	23071644	JG6ALK0188	2-4-00	513.02 NEW	4-24-00	424.9 531.52	CEB A-73-6017

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ASSEMBLY RECORD ENGINE ACCESSORIES



Part VI 2
Page No. 2

Engine Model 250-CA7B

Serial Number	INSTALLED		REMOVED		Reason
	Date	Eng. TT Comp. TSO	Date	Eng. TT Comp. TSO	
JGALM057	2-08-00	291.6 NEW	23MAR01	291.6 new	CEB 473-6030
JGALM0547	23 MAR 01	310.0 NEW	19JUN02	1158.1 T.S.N. 1043.2	CEB
JG7ALW0068	23 MAR 01	424.9 NEW	9-12-01	631.2 NEW	73-6036
96090063	23 MAR 01	424.9 NEW			
0053	23 MAR 01	424.9 NEW	10-03-02	1447.3 1022.4	Convenience
JG6ALK0128	02 NOV 01	424.9 NEW	2/11/02	859.0 TSN	CONVENIENCE
JG7ALW0068	2/11/02	859.0 TSN	9-30-02	1447.3 NEW	CONVENIENCE
1UG02898	2/15/02	859.0	UNK	—	NOT INSTALLED
1RL02581	6/17/02	1158.1 TSN: 881.1	8/10/04	1829.9 1552.9	RENTAL
JGALM0078	6/20/02	1158.1 1610.0 TSO	9/12/02	1447.3 1899.2	Remove from Rental Eng



GT-2786C

ASSEMBLY RECORD ENGINE ACCESSORIES

Part VI
Page No. 3

Engine Serial Number CAE- 847057

Engine Model 250- C47 B

Nomenclature	Part Number	Serial Number	INSTALLED		REMOVED		Reason
			Date	Qty TT	Date	Qty TT	
H M U	23072725	56ALM0547	9/23/02	COMP. ISO 1425.8 NEW 1043.2	1/10/03	1525.4 NEW	CEB
ECU <small>PROBLY OF AZ OPS</small>	23071644	JG6ALK0128	9-30-02	1447.3 NEW	1/10/03	1525.4 NEW	10V VANCE
CEFA	23066681	JT-10200	10-03-02	105 1925.2 TSN	Removed		
Bleed Valve	23005366	FF 23585	11/7/02	1500.6 595.7	10/16/03	1829.9 725.0 lbs	USE ON another Engine
E.C.U.	23070259	JG7ALW0068	1/10/03	1525.4 1219.8	7/3/03	1829.9 1524.0	Conversion
E.C.U.	23071644	JG6ALK0128	7/3/03	1829.9 937.1	2/7/05	1829.9 937.1	CEB
BLEED VALVE	23073353	FF40310	11/12/03	1829.9 0.0			
FUEL NOZZLE	23077067	IRL02581	23 FEB 06	1829.9 0.0			
Hydromechanical Unit	23078031	JGALM0547	23 FEB 06	1829.9 1425.8 TT			
E.C.U. <small>FA0LC 0/C</small>	23072790	JG6ALK0128	23 FEB 06	1829.9 937.1 TT	8-26-13	4057.80 1165.00	X_FER

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Service Record Compressor Assembly



Part I
Page No. 1

Compressor Serial Number CAC- 45026 Engine Model 250- C47B

Aircraft S/N Engine S/N	Date	Installed		Removed		Reason
		TT	TSO	TT	TSO	
53471 CAE-847516	01-30-01	0.0	New	8-15-02	321.2	
CAE- 847270	9-29-02	321.2	-0-	10-24-03	1491.5 1170.3	Hard landing of sudden stoppage. Eng. making metal.
CAE- 847270	10-26-03	1491.5	1170.3	5-10-04	1631.0	Conc.
CAE 847064	8-3-04	1952.2	TSI-0-	8-4-04	1952.2	VRS at WHIVE ON TEST CELL
CAE-847532	9-10-04	TSI-0-	1952.2	5-21-06	3928.9	Time since (TSO = 3607.42) 3000 HR WSP-
SUBC / 53190	7-Sept-05	3928.9	TSI-0-	3-8-08	5913.3	3000 HR WSP
CAE 847018		5913.3	6141.20	1/28/12	6141.20	3000 HR WSP
CAE-847057	06DEC10	5592.1	5820.00		5820.00	REPAIR (TOT CYLS. 7082)
CAE- 847057	8/26/13	6141.20	5820.00			

F-2782BT (5/99)

Service Record Compressor Assembly

Rolls-Royce

Part I
Page No. 1

Compressor Serial Number CAC- 45026

Engine Model 250- C47B

Aircraft S/N	Installed		Removed		Reason
	Date	TT	Date	TT	
Engine S/N		TSO		TSO	
53471		0.0		321.2	
CAE-847516	01-30-01	New	8-15-02		Hard landing & sudden stoppage.
		321.2		1491.5	
CAE- 847270	9-29-02	-0-	10-24-03	1170.3	Eng. making metal.
		1491.5		1952.2	
CAE- 847270	10-26-03	1170.3	5-10-04	1631.0	Conv.
		1952.2		1952.2	
CAE 847064	8-3-04	TSI-0-	8-4-04	TSI-0-	VIBS of WHINE ON TEST CELL
		1952.2		3928.9	
CAE-847532	9-10-04	TSI-0-	5-27-06	(1996.9)	Time since (TSO = 3607.42) 2000 HR WESP
SNBEO / 53190		3928.9		5913.3	
CAE 847018	7-Sept-06	1976.70	3-8-08	TSI 1984.4	2000 HR insp
		5913.3		6141.20	
CAE-847057	06DEC10	5592.1	1/28/12	5820.00	REPAIR (TOT CYLS. 7082)
	8/26/13	6141.20			
CAE- 847057		5820.00			

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ATTENTION

AD Note Compliance and CEB Modification Record Compressor Assembly

Rolls-Royce

Part III
Page No. 1

Compressor Serial Number CAC- 45026

Engine Model 250- C47B

AD #	Applicable CEB #	Date Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. Date	Signature and Certificate Number
						Next Comp. @ Hrs	
None Applicable	See enclosed list	01-30-01	Incorporated at manufacturer	X		N/A	Rolls-Royce
		0.0				N/A	
	CSL-A6010	9-16-02 321.2	inspect rotor and spline adapter		✓		Sonya Hudry AL W/P # 3052
	CSL-A6012	9-16-02 321.2	N1 shafting inspection		✓		Sonya Hudry AL W/P # 3052
	DIL-199	9-16-02 321.2	indexing of spur gear.		✓		Sonya Hudry AL W/P # 3052
	CSL-A6012	10-24-03 1491.5	N1 shafting insp.		✓		DJ Bond AL W/P # 13845
	CSL-A6010	6-11-04 1952.2	inspect rotor and spline adapter.		✓		J. Hudry AL W/P # 20065
	CSL-A6012	6-11-04 1952.2	N1 shafting insp.		✓		J. Hudry AL W/P # 20065
	IL-199	6-11-04 1952.2	indexing of spur gear.		✓		J. Hudry AL W/P # 20065
	CSL-A6012	8-6-04 1952.2	N1 shafting insp.		✓		DJ Bond AL W/P # 22531

GT-2786ET (5/00)

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AD Note Compliance and CEB Modification Record Compressor Assembly

Compressor Serial Number CAC- 45026 Engine Model _____

AD #	Applicable CEB #	Date	Method of Compliance	One Time	Recurring
		Hours @ Comp.			
	CSL-A6012	8-20-04 1952.2	N1 SHAFTING INSP.		✓
	CSL A6010	29 Aug. 06 3928:54	Compressor Rotor and Splined Adapter - Inspect.		✓
	CSL A6012	29 AUG: 06 3928:54	N1 Shafting Inspection		✓
	CEB 72-6055 R2	29 Aug. 06 3928:06	Inspect N#2 Brg. lock Key slot radii.	✓	
	CEB-72-6075	8/26/13 5913.30	VERIFIED AS N/A BY P/N 23009670 BEARING INST.		X
	72-6067 Rev 1	12 Oct 15 2113.10	Replac. #2 bearing	X	



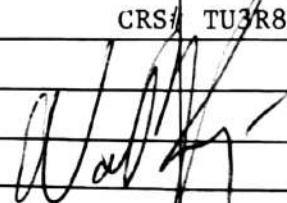
Inspection - Maintenance - Overhaul Record Compressor Assembly



Part IV
Page No. 1

Compressor Serial Number CAC- 45026 Engine Model 250- C47B

Date	Compressor Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
9-16-02	TSE 321.2	321.2	Overhauled + 1/2 2000 hr. inspect. 100 FAW m+OH manuals. FINAL INSPECTION COMPLETE. APPROVED FOR RETURN TO SERVICE REPAIR STATION ALGR151C INSPECTOR <i>[Signature]</i>	<i>[Signature]</i>	AL 46 3052
10-24-03	TSE 1170.3	1491.5	REPAIRED IAW M. + OH MAN. FINAL INSPECTION COMPLETE. APPROVED FOR RETURN TO SERVICE REPAIR STATION ALGR151C INSPECTOR <i>[Signature]</i>	<i>[Signature]</i>	AL 46 13845
6-11-04	TSE -0-	1952.2	1/2 2000 hr. inspection + 3500hr. In-Condition insp. IAW m+OH man. FINAL INSPECTION COMPLETE. APPROVED FOR RETURN TO SERVICE REPAIR STATION ALGR151C INSPECTOR <i>[Signature]</i>	<i>[Signature]</i>	AL 46 20065
8-6-04	TSE -0-	1952.2	REPAIRED IAW M. + OH MAN. FINAL INSPECTION COMPLETE. APPROVED FOR RETURN TO SERVICE REPAIR STATION ALGR151C INSPECTOR <i>[Signature]</i>	<i>[Signature]</i>	AL 46 22531
8-20-04	TSE -0-	1952.2	REPAIRED IAW M. + OH MAN. FINAL INSPECTION COMPLETE. APPROVED FOR RETURN TO SERVICE REPAIR STATION ALGR151C INSPECTOR <i>[Signature]</i>	<i>[Signature]</i>	AL 46 22985

Date	Compressor Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
29 Aug. 06	3907:42	3928:54	Compressor Repaired - Not Tested. 2000 hour inspection of Rotor & Splines Adapts carried out in acc. CS A3010. H+S Aviation Project 6255024 r.p.p.	 H&S 1028	
15 JAN 09	5592.1	5913.3	Complied with a 2000 hour inspection and functionally tested in accordance Rolls Royce manuals CSP21004, 1st ed., 11th rev., CSP22001, 2nd ed., 9th rev. ASI work order E66058.	 CRS#	TU3R880L ASI Services
	CSO: 6183	TC: 6569			

F-2784C (12/98)

Inspection - Maintenance - Overhaul Record Compressor Assembly



Part IV 3
Page No. _____

Compressor Serial Number CAC- 45026 Engine Model 250-C47B

Date	Compressor Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
8/26/13	5820.00 6696CYLS.	6141.20 7082 CYLS.	COMPLIED WITH TIME CONTINUED SERVICEABILITY INSPECTION AND REPAIR FOR SHIPPING DAMAGE. UNIT PERFORMANCE TESTED. ALL WORK DONE I/A/W ROLLS ROYCE MANUAL CSP22001 2ND.ED.REV.12 DATED 9/15/11. DETAILS OF WORK PERFORMED ARE ON FILE UNDER A.S.I. WORK ORDER E66134.		A.S.I.
12 Oct 15	5875.30	6196.50	Repaired IAW R.R OHM CSP22001 Ed2 Rev.15 dated 15 Sep 2014. Details on file under ASI W0: E66254		A.S. I. Tu3R880L

**ASSEMBLY RECORD
COMPRESSOR ASSEMBLY**



Part V
Page No. 1

Compressor Serial Number CAC-45026

Engine Model 250- C47B

Nomenclature	Part Number Serial Number	Date	INSTALLED		Date	REMOVED	
			Compressor	Component		Compressor	Component
			TT CYCLES	TT CYCLES		TT CYCLES	TT CYCLES
IMPELLER	23065591 JY102047	01-30-01	0.0	0.0			
Spur Gear	23073520 KU 502649	10-24-03	1491.5	NEW	6-11-04	1952.2	410.7
Spur Gear	23073520 KU 130307	6-11-04	1952.2	new	29 Aug. 06	3928.54 4622	1976.42
Spur Adapter	23073520 U523034	29 Aug. '06	3928.54	NEW	15 JAN 09	5913.3 6569	1984.7 N/A
S.A.G.S.	E23073520 SG27-650	15 JAN 09	5913.3 6569	New	8/26/13	6141.20 7082	227.90 513
S.A.G.S.	E23073520 SG27-876	8/26/13	6141.20 7082	0.00 0			
#2 BEARING	M250-10354 FAG146172	10/12/15					

GT-2785B (10/98)

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Cycle Record Compressor Assembly



Part VI
Page No. 1

Compressor Serial Number CAC- 45026

Engine Model 250- C47B

Aircraft S/N Engine S/N	Installed				Removed			
	Date	Compressor TT	Cycle Count	Engine Cycles at Installation	Date	Compressor TT	Cycle Count	Engine Cycles at Removal
			Current Cycles				Current Cycles	
			Cycle Limit				Cycle Limit	
<u>53471</u> <u>CAE-847516</u>	<u>01-30-01</u>	<u>0.0</u>			<u>8-15-02</u>	<u>321.2</u>	<u>386</u>	<u>386</u>
<u>CAE-847270</u>	<u>9-29-02</u>	<u>321.2</u>	<u>386</u>		<u>10-24-03</u>	<u>1491.5</u>	<u>1812</u>	<u>1426</u>
<u>CAE-847270</u>	<u>10-26-03</u>	<u>1491.5</u>	<u>15000</u>		<u>5-10-04</u>	<u>1952.2</u>	<u>2494</u>	<u>682</u>
<u>CAE-847532</u>	<u>9-10-04</u>	<u>1952.2</u>	<u>15000</u>		<u>5-27-06</u>	<u>3928.9</u>	<u>4622</u>	<u>2128</u>
<u>CAE-847018</u>	<u>9-7-06</u>	<u>3928.9</u>	<u>4622</u>		<u>3-8-08</u>	<u>5913.3</u>	<u>6569</u>	<u>1947</u>
<u>CAE-847057</u>	<u>06DEC10</u>	<u>5913.3</u>	<u>6569</u>	<u>2874</u>	<u>1/28/12</u>	<u>6141.20</u>	<u>7082TOT.CYL</u>	<u>3387</u>
<u>CAE-847057</u>	<u>8/26/13</u>	<u>6141.20</u>	<u>7082 TOT.CYL</u>	<u>3387</u>				

F-9387T (5/99)

Approving National Aviation Authority / Country:
 AUTHORIZED REPRESENTATIVE



GT-2787T

AD NOTE COMPLIANCE AND CEB MODIFICATION RECORD GEARBOX ASSEMBLY



Part III
Page No. 1

Gearbox Serial Number CAG- 47077 Engine Model 250- C47B

AD #	Applicable CEB #	Date	Method of Compliance	One Time	Recurring	Next Comp. Date	Signature and Certificate Number
		Hours @ Comp.				Next Comp. @ Hrs	
			SEE ENCLOSED LIST				
	72-6016	1 OCT 98 846.1	FOUND EMBODIED				<i>A. Knight</i> HELITEC
	72-6006	05.12.02 1775,6	improved No. 3+4 bearings	x			Helicopter Technik GmbH A.S.I. BA.0094
	72-6014	8/26/13 3345.90	PTO G/S GROOVES	X			TU3R880L
	72-6019	8/26/13 3345.90	OIL ADD BUSHINGS/FILTER	X			A.S.I. TU3R880L
	72-6028	8/26/13 3345.90	INSTALL HTG NEW STYLE	X			A.S.I. TU3R880L
	72-6052	8/26/13 3345.90	REPL. BREATHER SEAL	X			A.S.I. TU3R880L



F-2784B (5/95)

INSPECTION - MAINTENANCE - OVERHAUL RECORD GEARBOX ASSEMBLY

Part IV 1
Page No. _____

Gearbox Serial Number CAG- 47077 Engine Model 250- C47B

Date	Gearbox Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
25 FEB 98	N/P	744.4	PERFORMED A SERVICEABILITY INSPECTION in accordance with the latest Allison's maintenance manual CSP 21001 2nd ED. 1st AUG 97 All mandatory modifications & Airworthiness Directives were complied with. The unit is released serviceable for return to service. SAL w/o B174503	<i>A Knight</i>	SAL-AMO-22-58
20 JUL 98	NEW	744.4	PERFORMED A SERVICEABILITY INSPECTION in accordance with the latest Allison's maintenance manual CSP 21001 2ND ED. 08/01/97 All mandatory modifications & Airworthiness Directives were complied with. The unit is released serviceable for return to service. SAL w/o B174818	<i>A Knight</i>	SAL-AMO-22-58

Approving National Aviation Authority / Country:

AUTHORITY

were complied with. The unit is released serviceable for

return to service. W/O B191008

At night

SAL-AMO-22-58

18 APR/00 NEW 1101.0

Gearbox assy had an external visual serviceability inspection and tested in A/W the latest maintenance rules of the Canadian Aviation Regulations, the current FAA Regulations, the current Rolls-Royce Allison Overhaul Manual, CSP 22001, 2nd ED., 1st REV., dated 15/NOV/99 and the current Rolls-Royce Allison Maintenance Manual, CSP 21001, 2nd ED., 1st REV., dated 01/OCT/99. This unit is released serviceable for return to service in A/W CAR Sub-Part 571 and FAA Regulation Part 43.17. All current mandatory modifications and Airworthiness Directives were complied with. All pertinent details of the work performed are filed at this organization under SAL W/O TCN B278357.

S.A.L.
329 Q.I.

At night

SAL-AMO-22-58



F-2784B (5/95)

INSPECTION - MAINTENANCE - OVERHAUL RECORD GEARBOX ASSEMBLY

Part IV
Page No. 3

Gearbox Serial Number CAG- 47077 Engine Model 250- C47B

Date	Gearbox Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
05.12.02	new	1775,6	gearbox inspected and repaired CEB 72-6006 complied with, for details see HELITEC w/o 102553		
5-23-08	NEW	3118.0	Gearbox INSPECTED & REPAIRED SEE SUMMIT WO# 3935		Helicopter Technik GmbH JAR / I BA.0094

Maintenance Release

SUMMIT HELICOPTERS, INC. 595 Cougar Dr./PO Box 39 Coverdale, VA 24077

Cert. #DHHR447C

"The Article(s) identified above was repaired or overhauled in accordance with Current F.A.A regulations and is approved for return to service only for the work performed."

Pertinent details of the repair are on file under WO# 3935

Signed

Authorized Signature

Date

5-23-2008

DO NOT SIGN
S/N
23

Authority / Country:



AUTHORITY

TSN	3345.00	COMPLIED WITH TIME CONTINUED SERVICEABILITY	A.S.I.
		INSPECTION AND REPAIR FOR SHIPPING DAMAGE.	
		UNIT PERFORMANCE TESTED. ALL WORK DONE I/A/W	
		ROLLS ROYCE MANUAL CSP22001 2ND.ED. REV. 12	
		DATED 9/15/11.DETAILS OF WORK PERFORMED	
		ARE ON FILE UNDER A.S.I. WORK ORDER	
		E66134.	TU3R880L

Aircraft S/N	Date	TT	Date	TT
Engine S/N		TSO		TSO
		0.0	24 FEB 98	744.4
CAE-847077	8-15-96	NEW		N/P
		744.4		764.4
XAE-847816	02-27-98	N/P	MARCH 10, 1998	N/P
53033		764.4		785.6
CAE-847021	20 Mar 98	N/P	8 Apr 98	N/P
		785.6		2036
CAE-847077	20 JUL 98	N/P	20.0ct.03	N/P
53001		2036.0		3128.2
CAE 847077	08. Feb. 04	0.0	11-19-07	1092.2
		3133.2		3361.10
CAE-847057	06DEC10	1097.2	1/28/12	325.10
	8/26/13	3361.10		3416.40
CAE-847057		1325.10	15 Aug 2014	1380.40
		3416.40		3520.10
CAE-847057		1380.40	15 AUG 2015	1484.10
		3520.10		
CAE-847057	12 Oct 2015	1484.10		

Date	From	To	Turbine Time		Date	Organization
			Since O/H	Total		
8-15-96	ALLISON	STANDARD HEAD	NEW	0.0		S.A.L.
24 FEB 98	S.A.L.	MADONA	N/P	744.4		MADONNA
	MADONNA	S.A.L.	N/P	764.4	16 MARCH 98	S.A.L.
18 MAR 98	S.A.L.	NIAGARA	NEW	764.4	20 JUL 98	S.A.L.
OCT 23/03	AVIATRADER	S.A.L.	NEW	2036.0	23 OCT. 03	S.A.L.
JAN 12 2004	S.A.L.	AVIATRADER	0.0	2036.0	15 Aug. 14	ASI
14 Aug 2014	ASI	Essential Turbine	-1380.40	3416.40	15 AUG 15	ASI

Method of Compliance	One Time	Recurring	Next Comp. Date Next Comp. @ Hrs
SEE ENCLOSED LIST			
FOUND EMBODIED	1		

<p>All mandatory modifications & Airworthiness Directives were complied with. The unit is released serviceable for</p>	
<p>return to service. SAL w/o B174503</p>	<p><i>J. Knight</i></p>
<p>PERFORMED A SERVICEABILITY</p>	
<p>INSPECTION in accordance with the latest Allison's</p>	
<p>maintenance manual CSP 21001 2nd ED.</p>	<p>1 AUG 97</p>
<p>All mandatory modifications & Airworthiness Directives were complied with. The unit is released serviceable for</p>	
<p>return to service. SAL w/o B174420</p>	<p><i>J. Knight</i></p>



AD NOTE COMPLIANCE

INSPECTION - MAINTENANCE - OVERHAUL RECORD

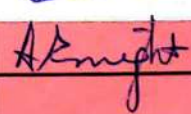
TURBINE ASSEMBLY

Part IV
Page No. 2

F-2784D (5/95)

Turbine Serial Number CAT- 44096 Engine Model 250- C47B

Date	Turbine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
20 JUL 98	NEW	785.6	PERFORMED A SERVICEABILITY		
	CSO= NEW	CSN= 854	INSPECTION in accordance with the latest Allison's maintenance manual CSP 21001 2ND ED. 08/01/97 All mandatory modifications & Airworthiness Directives were complied with. The unit is released serviceable for return to service. SAL w/o B174818	<i>Adnight</i>	SAL-AMO-22-58
1 OCT 98	NEW	887.3	PERFORMED A SERVICEABILITY INSPECTION		
	CSO= NEW	CSN= 1103	AND TESTED in accordance with the latest Allison's overhaul manual CSP 22001 1ST ED. 04/15/96 All mandatory modifications & Airworthiness Directives were complied with. The unit is released serviceable for return to service. W/O B191008	<i>Adnight</i>	SAL-AMO-22-58

Turbine Time		Remarks	Signature and Certificate No.	Organization
Since OH	Total			
NEW	1142.2	<p>Turbine assy had an external visual serviceability inspection and tested in A/W the latest maintenance rules of the Canadian Aviation Regulations, the current FAA Regulations, the current Rolls-Royce Allison Overhaul Manual, CSP 22001, 2nd ED., 1st REV., dated 15/NOV/99 and the current Rolls-Royce Allison Maintenance Manual, CSP 21001, 2nd ED., 2nd REV., dated 01/OCT/99. This unit is released serviceable for return to service in A/W CAR Sub-Part 571 and FAA Regulation Part 43.17. All current mandatory modifications and Airworthiness Directives were complied with. All pertinent details of the work performed are filed at this organization under SAL W/O B278357.</p>		SAL-AMO-22-58
CSO= NEW	CSN= 1610			

Turbine assy had an external visual serviceability inspection and tested in A/W the latest maintenance rules of the Canadian Aviation Regulations, the current FAA Regulations, the current Rolls-Royce Allison Overhaul Manual, CSP 22001, 2nd ED., 1st REV., dated 15/NOV/99 and the current Rolls-Royce Allison Maintenance Manual, CSP 21001, 2nd ED., 2nd REV., dated 01/OCT/99. This unit is released serviceable for return to service in A/W CAR Sub-Part 571 and FAA Regulation Part 43.17. All current mandatory modifications and Airworthiness Directives were complied with. All pertinent details of the work performed are filed at this organization under SAL W/O B278357.

S.A.L.
329 Q.I.

AKnight

SAL-AMO-22-58

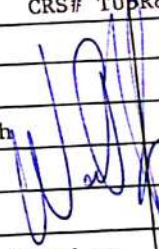
Inspection - Maintenance - Overhaul Record

TURBINE ASSEMBLY



Part IV
Page No. 5

Turbine Serial Number CAT- 44096 Engine Model 250- C47B

Date	Turbine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
06DEC10	1097.2	3133.2	Repaired for evertemp in excess of 999C. Functionally tested. Tiebolt P/N 23008030, S/N NC83174 length 7.3705", stretch .016". All work in accordance with Rolls Royce manual CSP22001, 2nd ed., 11th rev., dated 15SEP10. ASI work order E66015-5.		CRS# TUBR880L ASI Services
**1st stage whl P/N23053299, S/N XI43339 limited to 500 hours from this entry.		TC: 4269			



DO NOT WRITE IN THESE SPACES

Authority / Country:

**Inspection - Maintenance - Overhaul Record
Turbine Assembly**

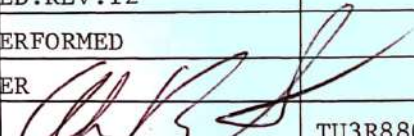


Rolls-Royce

Part IV
Page No. 6

Turbine Serial Number CAT-44096

Engine Model 250-C47B

Date	Turbine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
8/26/13	1325.10	3361.10	COMPLIED WITH TIME CONTINUED SERVICEABILITY		A.S.I.
CYCLES	1675	4782	INSPECTION AND REPAIR. REPLACED TIE BOLT P/N 23008030 DUE TO WEAR ON STEP. INSTALLED OVERHAUL UNIT S/N NC75068 FREE LENGTH 7.370" STRETCH .017". UNIT PERFORMANCE TESTED. ALL WORK DONE I/A/W ROLLS ROYCE MANUAL CSP22001 2ND. ED. REV. 12 DATED 9/15/11. DETAILS OF WORK PERFORMED ARE ON FILE UNDER A.S.I. WORK ORDER E66134.		TU3R880L

Turbine Time		Remarks	Signature and Certificate No.	Organization
Since OH	Total			
1380.40	3416.40	Turbine removed from engine S/N:		CES#TU3R880L
1728	4835	CEA-847057 and visually inspected.		
		No time in turbine since last repaired.		
		All work IAW RR manual CSP22001 2nd Ed.		
		14th Rev. dated 15 Sep 2013 thru T.R. E2R14-		
		72-2 dated 15 May 2014.		
		Details on file under ASI WO# E66254		ASI
1484.10	3520.10	Turbine installed for engine S/N		A.S.I
1966	5073	CAE-847057 and repaired IAW R.R		
		OHM CSP22001 Ed.2 Rev.15 dated		
		15 Sep 2014.		
		Details on file under ASI WO:E66254		TU3R880L



F-2785DT

ASSEMBLY RECORD TURBINE ASSEMBLY



Part V
Page No. 1

Turbine Serial Number CAT- 44096

Engine Model 250-C47B

Nomenclature	Part Number Serial Number	Date	INSTALLED		Date	REMOVED	
			Turbine	Component		Turbine	Component
			TT CYCLES	TT CYCLES		TT CYCLES	TT CYCLES
1ST STG. WHL.	23053299 X139156	8-15-96	0.0	0.0	01/12/04	2036.0 3107	2036.0 3107
2ND STG. WHL.	23032280 HX124189	"	0.0	0.0	01/12/04	2036.0 3107	2036.0 3107
3RD STG. WHL.	6898663 HX86657	"	0.0	0.0	01/12/04	2036.0 3107	2036.0 3107
4TH STG. WHL.	6892764 HX66620	"	0.0	0.0	01/12/04	2036.0 3107	2036.0 3107
1ST STG. DNL.	23053299 7513297	01/12/04	2036.0 3107	0.0 0	09SEP09	3133.2 4269	1092.2 1162
2ND STG. WHL.	23032280 X519314	01/12/04	2036.0 3107	0.0 0	"	3133.2 4269	1092.2 1162
3RD STG. WHL.	6898663 X514894	01/12/04	2036.0 3107	0.0 0	"	3133.2 4269	1092.2 1162
4TH STG. WHL.	23066744 HX66620	01/12/04	2036.0 3107	2036.0 3107	"	3133.2 4269	3133.2 4269
1ST STG. NOZZLE SHIELD	23062752 27846	01/12/04	2036.0 3107	2036.0 3107	"	3133.2 4269	
TIE BOLT.	23008030 NL74936	01/12/04	2036.0 3107	FREE 7.383	"	3133.2 4269	

FAA/UNIVERSITY
Authority / Country:
APPROVING National Aviation
AUTHORIZED RELEASE



CYCLE RECORD TURBINE ASSEMBLY

Part VI
Page No. 1

F-9386T

Turbine Serial Number CAT- 44096

Engine Model 250- C47B

Aircraft S/N Engine S/N	Date	Turbine TT	INSTALLED		Engine CYCLES at Installation	Date	Turbine TT	REMOVED		Engine CYCLES at Removal
			Cycle Count	Cycle Limit				Current Cycles	Cycle Limit	
		0.0	0		0	24 FEB 98	744.4	773 AE	3000	773 (17)
CAE-847077	8-15-96		3000					2227 3000		
		744.4	773		236	MARCH 10 98	764.4	790	3000	253 (17)
XCAE-847816	02-27-98		2227 3000					AE 2210 3000		
53033	20 Mar 98	764.4	790		869	8 Apr 98	785.6	854	3000	933 (17)
CAE-847021			AE 2210 3000					2146 3000		
		785.6	854			20.06.03	2036	3107		3026
CAE-847077	20 JUL 98		AE 2146 3000					3000		
						01/12/04		C SN		3107
								C SN		0
						11-19-07	3128.2	4269		
CAE-847057	06DEC10	3133.2	4269		2874	1/28/12	3361.10	TOT.CYL. 4782		3387
			4769 (1st whl)					CSO: 1675		
	8/26/13	3361.10	TOT.CYL. 4782		3387	15 Aug 14	3416.40	TC: 4835		3387
CAE-847057			CSO: 1675					SCO: 1728		
			TC: 4835					TC: 5073		
CAE-847057		3416.40	SCO: 1728			15 AUG 15	3520.10	SCO: 1966		
			TC: 5073							
CAE-847057	12 Oct 15	3520.10	SCO 1966							

Approving National Aviation Authority / Country:

AUTHORIZED



Rolls-Royce

LIFE LIMITED PART LOG CARD

LIFE LIMITED PART NAME		PART NUMBER				SERIAL NUMBER		Signature And Certificate #
3rd Stage Wheel		6898663				HX76073		
Date Installed	Date Removed	Engine and Module S/N	Engine Model	Hours Turb.	Cycles Turb.	Overspeed Events * (as app)	Comments TT CYC	
09SEP09		CAT-44096	C47	3133.2	4269		Whl. 3538.3 / 3928	TU3R880E
	28Aug2015			3520.1	5073		WHL. 3925.2 / 4732	TU3R880E
12 Oct 15		CAT-44096	C47	3520.1	5073		Embodied CEB-A-72-6050 & CEB-A-72-6079	SAL-AMO-22-51

*For PT Wheel Overspeed Cycles, record event date and event maximum % on the Comments Line.

*This card should accompany the part when removed from engine or module.



Rolls-Royce

LIFE LIMITED PART LOG CARD

This card is to accompany every life limited part of the engine for proper tracking of component life.


The card is to be completely filled out with all necessary information as follows:

- ▶ Page Number - (if more than one card is needed for the component all pages should be retained for history purposes)
- ▶ Life Limited Part Name
- ▶ Part Number - (if part number is changed at some point during the life of the component a new card should be started and the old card retained for history purposes)
- ▶ Serial Number
- ▶ Date Installed
- ▶ Date Removed
- ▶ Engine and Module Serial Number
- ▶ Engine Model
- ▶ Hours - (to correspond with the date installed or removed, depending on entry being recorded)
- ▶ Cycles - (to correspond with the date installed or removed, depending on entry being recorded)
- ▶ Overspeed Events (as app) – (this column is only to be filled out for Power Turbine Wheels that are required to be tracked by events exceeding specified Event Thresholds)
- ▶ Comments – (any important information regarding the history of the component, i.e. reason for removal, inspection, CEB compliance, repair, scrap date, etc.)
- ▶ Signature and Certificate #



Rolls-Royce

LIFE LIMITED PART LOG CARD

LIFE LIMITED PART NAME 4th Stage Wheel			PART NUMBER 6892764			SERIAL NUMBER HX59504		
Date Installed	Date Removed	Engine and Module S/N	Engine Model	Hours Turb.	Cycles Turb.	Overspeed Events * (as app)	Comments TT CYC	Signature And Certificate #
09SEP09		CAT-44096	C47	3133.2	4269		Whl. 3538.3 / 3928	TU3R880L  06 AST

*For PT Wheel Overspeed Cycles, record event date and event maximum % on the Comments Line.

*This card should accompany the part when removed from engine or module.

**Rolls-Royce****LIFE LIMITED PART LOG CARD**

This card is to accompany every life limited part of the engine for proper tracking of component life.

The card is to be completely filled out with all necessary information as follows:

- ▶ Page Number - (if more than one card is needed for the component all pages should be retained for history purposes)
- ▶ Life Limited Part Name
- ▶ Part Number - (if part number is changed at some point during the life of the component a new card should be started and the old card retained for history purposes)
- ▶ Serial Number
- ▶ Date Installed
- ▶ Date Removed
- ▶ Engine and Module Serial Number
- ▶ Engine Model
- ▶ Hours - (to correspond with the date installed or removed, depending on entry being recorded)
- ▶ Cycles - (to correspond with the date installed or removed, depending on entry being recorded)
- ▶ Overspeed Events (as app) - (this column is only to be filled out for Power Turbine Wheels that are required to be tracked by events exceeding specified Event Thresholds)
- ▶ Comments - (any important information regarding the history of the component, i.e. reason for removal, inspection, CEB compliance, repair, scrap date, etc.)
- ▶ Signature and Certificate #



ASSEMBLY RECORD



Rolls-Royce

Inspection - Maintenance - Overhaul - Transfer - AD/CEB Compliance Record Accessory

Part II

Page No. _____

Nomenclature HYDROMECHANICAL UNIT

Component serial number JGALM0547

Engine Model 250- C47

Note 1: Record AD & CEB compliance and transfer information in "Remarks" section.
Note 2: This card must accompany accessory at removal.

Date	P/N	Accy. Time		Remarks	Signature and Certificate No.
		Since OH	Total		
6/8/05	23078031	NEW	1425.8	Repaired and functionally tested IAW Manufacturer's Specifications. Details filed under MGN: SF1388501	<p>The aircraft engine and/or component id above was repaired and inspected in acco with current FAA Regulations and was airworthy for return to service. Pertinent de the repair are on file at this agency unde</p> <p>No. EA122759 Date 6/8/05</p> <p><i>[Signature]</i> Authorized Signature</p> <p>ROLLS-ROYCE ENGINE SERVICES-OAKLAND INC 7200 Eorman Road P O Box 6069 Oakland International Airpo Oakland Calif 94603-0069</p> <p>C.R.S. No. VZ3R937L</p> <p><i>[Signature]</i> TU3R880L</p>
				Complied with: CEB 73-6039 PMI 10020, CEB-A-73-6042 PMI 10024, CEB-73-6044 & CSL 6096 R1	
1/15/18	23078031	TSN	1744.8	Torqued the metering head regulator cover bolts. CEB-73-6054.	

Service Accessory Record



Rolls-Royce

Nomenclature PIEED VALVE
 Component serial number FF40310

Part I
 Page No. 1
 Engine Model 250-C30

Installed					Removed			
Date	Engine S/N	A/C S/N Reg. #	Accy. Time		Date	Accy. Time		Reason
			Since OH	Total		Since OH	Total	
11/12/03	ETT: 1829.9 CAE847057		0.0	UNK				

GT-11778(F) 5/00

AUTHORIZED
 FAA/UNITED STATES
 Authority / Country:
 Approving National Aviation

**Inspection - Maintenance - Overhaul - Transfer -
AD/CEB Compliance Record Accessory**





Rolls-Royce

Part II

Nomenclature NEED VALVE Page No. 1

Component serial number FF 40810 Engine Model 250-C30

Note 1: Record AD & CEB compliance and transfer information in "Remarks" section.
Note 2: This card must accompany accessory at removal.

Date	P/N	Accy. Time		Remarks	Signature and Certificate No.
		Since OH	Total		
NOV 07 2008	23073353	0.0	UNK	The product has been overhauled and tested in accordance with Rolls-Royce Overhaul Manual 14W3 Edition 2 Revision 8 Dated 11/01/01. The product is approved for return to service. All pertinent details of the work are on file at this organization under Work Order: <u>1469230</u> CEB 75-3024: EMPLYED	  SAL-AMO #22-58

		P/N 23077067. (REF Delevan work order 702557).		
		Installed in accordance with Rolls Royce manual		
		CSP 21001, 2nd ed., 8th rev. ASI work order 80820		A.S.I.
0.00	UNK	UNIT OVERHAULD BY DELAVAN		
		SEE ATTACHED 8130-3 FORM	A.S.I.	TU3R880L



AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

1. Approving National Aviation Authority/ Country:
FAA/UNITED STATES

2. **Cert. No. KT2R964K**

3. Form Tracking Number:
11111207

4. Organization Name and Address:
Delavan Inc.
811 4th Street
West Des Moines, IA 50265

5. Work Order /Contract/Invoice Number:
751297

6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch No:	12. Status/Work:
01	FUEL NOZZLE ASSEMBLY	23077067	N/A	1	SERIAL# 1RL02581	OVERHAULED

13. Remarks: FULL DETAILS OF WORK CARRIED OUT PER MFG ORDER # 814236
OVERHAULED To: OM 14W3 SECOND EDITION REV.18 DATED APRIL 1, 2012

To the best of our knowledge, the parts referred to above have not been involved in an incident or accident and have not been subjected to extreme environmental conditions that could jeopardize its airworthiness condition.

This document was signed electronically
Removed from Engine Serial #: **847057**

certifies that the work specified in blocks 12/13 was performed in accordance with EASA 145 and with respect to that work, the aircraft component is considered ready for release to service under EASA Acceptance Certificate Number: **EASA.145.4378***

*The part number marked on a part may include an alpha suffix. This alpha suffix denotes the part's revision level. All revision levels for a given part number are fully interchangeable. The part's revision level is not required for this certification. DLN P/N **139972-HL**

14. Certifies that items identified were manufactured in conformity to:
 Approved design and are in condition for safe operation
 Non-approved design data specified in Block 13.

19. CFR 43.9 Return to Service
 Other regulation specified in Block 13

15. Authorized Signature:

20. Authorized Signature:
Sandra Wolfe

16. Approval/Authorization No.:

21. Approval/Certificate No.: **KT2R964K**

17. Name (Typed or Printed):

22. Name (Typed or Printed): **SANDBRA WOLFE**

18. Date (m/d/y):

23. Date (m/d/y): **JUL 03 2012**

User/Installer Responsibilities
 It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. 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 accepts parts/components/assembly as from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 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.

*Installer must cross-check eligibility with applicable technical data

inc.
 4th Street
 West Des Moines, IA 50265

INSPECTION AND TEARDOWN REPORT
 FAA REPAIR STATION #: KT2R964K

Serial # As Received: **1RL02581**



ITR #: **11111207**
 DLN M.O. #: **814236** Date Received: **04/02/12**
 Part#: **139972-HL**
 DLN Lot #: **H338674** DLN Sales Order #: **12006348**
 Removed from Engine S/N: **847057**

As Received
 DLN P/N: 139972-HL
 S/N: 1RL02581
 Cust P/N: 23077067

As Shipped
 DLN P/N: 139972-HL
 S/N: 1RL02581
 Cust P/N: 23077067

Customer: ASI SERVICES, LLC \$
 Cust PO #: 751297

Customer:
 Cust PO #:
 Date Ship: **JUL 03 2012**

WORK ACCOMPLISHED
 Overhaul Inspected Tested
 Repaired Modified

Instructions:

PRELIMINARY INSPECTION AS RECEIVED AND HIDDEN DAMAGE INSPECTION (MARK ALL THAT APPLY) (EXPLAIN WHERE APPLICABLE)
 Clean Dirty Contaminated Damaged Other
 Nicks, Dents, Etc. Parts Missing Cracks

Parts Scrapped	Parts Replaced	Part#	Description	Parts Scrapped	Parts Replaced	Part#
		47077	SHIM			47079
		47085	PIN, VALVE STOP			139968
		47104	SHROUD, INNER AIR	1	1	47105
		47108	SPRING			47109

Description	Parts Scrapped	Parts Replaced	Part#	Description
SEAT, SPRING			47080	PISTON & SLEEVE ASSEMBLY
ASSEMBLY, FILTER			47102	BODY, NOZZLE
METERING SET			47107	SPACER
AIR SHROUD ASSEMBLY				

Final Flow	Air	Fuel Temp Test Points	Fuel	Air Temp F Limits PPH	P. Bar HGA Actual PPH	
		60	PSI	24.60 - 28.40	24.9	
		125	PSI	60.00 - 74.00	65.1	
		200	PSI	165.0 - 195.0	188.2	
		550	PSI	430.0 - 470.0	446.2	
		HYSTERESIS CHK	125	PSI	10% OF UP FLOW	65.1
		HYSTERESIS CHK	60	PSI	10% OF UP FLOW	24.9

Angle Required	Actual Angle	Spray Quality	Reflow Inspec
80-100 DEG.	90°	OK	
70-90 DEG.	79°		
60-100 DEG.	93°		

Operator: Date: **7/3/12** Test Stand #: **101**

Process Inspector Approval: _____ Final Inspector Approval:

Procedure Doc #: OM 14W3 Rev: 18 SB #: _____
 OVERHAUL MANUAL 14W3 EDITION 2, REV 18 DATED 1APR2012
 R57980 Generated 06/18/12 #2223-G
 Changes to this form are not allowed without prior Accountable Manager approval.

inc.
 4th Street
 West Des Moines, IA 50265

INSPECTION AND TEARDOWN REPORT
FAA REPAIR STATION # : KT2R964K



Serial # As Received : **1RL02581**



ITR # : **11111207**
 DLN M.O. # : **814236** Date Received : **04/02/12**
 Part# : **139972-HL**
 DLN Lot # : **H338674** DLN Sales Order # : **12006346**
 Removed from Engine S/N : **847057**

As Received
 DLN P/N : 139972-HL
 S/N : 1RL02581
 Cust P/N : 23077067

As Shipped
 DLN P/N : 139972-HL
 S/N : 1RL02581
 Cust P/N : 23077067

Instructions :

PRELIMINARY INSPECTION AS RECEIVED AND HIDDEN DAMAGE INSPECTION (MARK ALL THAT APPLY) (EXPLAIN WHERE APPLICABLE)
 Clean Dirty Contaminated Damaged Other
 Nicks, Dents, Etc. Parts Missing Cracks

Parts Scrapped	Parts Replaced	Part#	Description	Parts Scrapped	Parts Replaced	Part#
		47079	SEAT, SPRING			47079
		47077	SHIM			139968
		47085	PIV, VALVE STOP			47105
		47104	SHROUD, INNER AIR	1	1	47109
		47108	SPRING			

Changes

R C M D
 Customer : ASI SERVICES, LLC \$
 Cust PO # : 751297

S H I P
 Customer :
 Cust PO # :
 Date Ship : **JUL 03 2012**

WORK ACCOMPLISHED
 Overhaul Inspected Tested
 Repaired Modified

Description	Parts Scrapped	Parts Replaced	Part#	Description
SEAT, SPRING			47080	PISTON & SLEEVE ASSEMBLY
ASSEMBLY, FILTER			47102	BODY, NOZZLE
METERING SET			47107	SPACER
AIR SHROUD ASSEMBLY				

Final Flow	Air	Fuel Temp Test Points	Fuel	Air Temp F Limits PPH	P. Bar HGA Actual PPH
		60	PSI	24.60 - 28.40	24.9
		125	PSI	60.00 - 74.00	65.1
		200	PSI	165.0 - 195.0	188.2
		550	PSI	430.0 - 470.0	446.1
HYSTERESIS CHK		125	PSI	10% OF UP FLOW	65.1
HYSTERESIS CHK		60	PSI	10% OF UP FLOW	24.9

Test Fuel : MIL-C 7024C Type II

Angle Required	Actual Angle	Spray Quality	Reflow Inspec
80-100 DEG.	90°	OK	
70-90 DEG.	79°		
85-100 DEG.	93°		

Operator : Date : **7/3/12** Test Stand # : **101**

Procedure Doc # : OM 14W3 Rev : 18 SB # :
 OVERHAUL MANUAL 14W3 EDITION 2, REV 18 DATED 1APR2012

Process Inspector Approval : _____ Final Inspector Approval :

R57980 Generated 06/18/12 #2223-G
 Changes to this form are not allowed without prior Accountable Manager approval.

Approving National Aviation
Authority / Country:
FAA / UNITED STATES

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3 Form Tracking Number:
AS17465

4 Organization Name and Address
ASI SERVICES 21617 N 2nd Avenue, Phoenix, AZ 85027

5 Work Order, Contract, or Invoice Number:
E66123

6 Item	7 Description	8 Part Number	9 Eligibility	10 Quantity	11 Serial/Batch Number	12 Status/Work
1	ENGINE ASSEMBLY	23063392	N/A	1	CAE-847057	INSPECTED

13 Remarks:
COMPLIED WITH A 150/300 HOUR INSPECTION. (OFF AIRFRAME)

IN ACCORDANCE WITH ROLLS ROYCE MANUAL CSP21001, T.R. E2R13-72-2, E2R13-77-1, DATED 08APR11

ASI Services certifies that the work specified in Blocks 12/13 was performed in accordance with EASA Implementation Rule part 145 approval, and with respect to that work, the aircraft component is considered ready for release to service under EASA approval number: 145.4086.

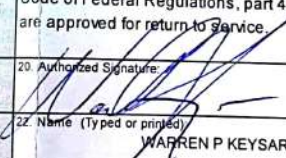
TT: 1876.1 TC: 2919
TSO: TSN CSO: CSN

14. Certifies the items identified above were manufactured in conformity to:

- Approved design data are in a condition for safe operation.
 Non-approved design data specified in Block 13.

- 14 CFR 43.9 Return to Service
 Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 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.

15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature: 	21. Approval/Certificate: TU3R880L
17. Name (Type or printed):	18. Date (m/d/y):	22. Name (Typed or printed): WARREN P KEYSAR	23. Date (m/d/y): AUG 15 2011

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer 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 parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Block 14 and 19 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 can be flown.

PB 702765

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

SF1388501

FAA/United States

4. Organization Name and Address: ROLLS-ROYCE ENGINE SERVICES - OAKLAND INC.
7200 Earhart Road
Oakland, California 94621(VZ3R937L)

5. Work Order, Contract, or Invoice Number:

EA122759

6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	EMC-35 HYDROMECHANICAL UNIT	23078031	250-C47	1 EA	JGALM0547	REPAIRED

13. Remarks: The above unit was repaired and tested in accordance with the manufacturer's specifications. C.M.M. CSP24009, 1st Edition, 7th Revision, Dated 15 June,2004. Records of work performed are on file at this repair station under Monitor Group Number: SF1388501.

Bulletins complied with: PMI'S 10020 (CEB 73-6039), 10024 (CEB A73-6042), CEB 73-6044 & CSL6096 R1.

TSO: NEW TT: 1425.8

Completion date: 8 JUNE,2005

Rolls-Royce Engine Services-Oakland Inc. Certifies that the work specified in block 12/13 was performed in accordance with JAR 145 or EASA IR 145 and with respect to that work, the aircraft component is considered ready for release to service under CAA or EASA Acceptance Certificate Number: EASA.145.4690.

14. Certifies 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 13

19. 14 CFR 43.9 Return to Service Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 13, the work specified in Block 12 and describe in Block 13 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.

15. Authorized Signature

16. Approval/Authorization No.

20. Authorized Signature

21. Approval/Certificate Number:

VZ3R937L

17. Name (Typed or Printed)

18. Date (m/d/y)

22. Name (Typed or Printed)

23. Date (m/d/y):

JESS P CALSO

JUN/09/2005

USER/INSTALLER RESPONSIBILITIES

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. 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 parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 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.

* Installer must cross check eligibility with applicable technical data.

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

1. Organization Name and Address:
UNITED STATES

Delavan Inc
d/b/a Turbine Fuel Technologies
811 Fourth St.
West Des Moines, Iowa 50265

3. Form Tracking Number:

10337864

Cert. No. **KT2R964K**

5. Work Order /Contract/Invoice Number:

702557

6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch No.:	12. Status/Work:
01	FUEL NOZZLE ASSEMBLY	23077067	N/A	1	MFG ORDER# 00333042 SERIAL# 1RL02581	OVERHAULED

13. Remarks: **OVERHAULED TO: OVERHAULED IAW OHM 14W3.
MODIFIED IAW PMI G0005. (IMPROVED FILTER ASSY)**

"Certifies that the work specified in blocks 12/13 was performed in accordance with EASA.IR.145 and with respect to that work, the aircraft component is considered ready for release to service under EASA Acceptance Certificate Number: EASA.145.4378"

DLN P/N 139972-UG

14. Certifies that items identified above were manufactured in conformity to:
 Approved design data and are in condition for safe operation.
 Non-approved design data specified in Block 13.

19. 14 CFR 43.9 Return to Service Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 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.

15. Authorized Signature: 16. Approval/Authorization No.:


20. Authorized Signature: *Anna Cameron* 21. Approval/Certificate No.: **KT2R964K**

17. Name (Typed or Printed): 22. Name (Typed or Printed): **ANNA CAMERON**

23. Date (m/d/y): **JAN 06 2005**

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. 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 accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 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 National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: N/A E7564										
4. Organization Name and Address: Goodrich Pump & Engine Control Systems, Inc. CHARTER OAK BOULEVARD WEST HARTFORD, CT 06133-0651				5. Work Order/Contract/Invoice Number: 124230 702766											
6. Item		7. Description		8. Part Number		9. Eligibility*		10. Quantity		11. Serial/Batch Number		12. Status/Work			
1.		EMC-35A ECU		114395-2A1-5202 23072790		N/A N/A		1		JG6ALK0128		MODIFIED			
13. Remarks 1. Status/Work Description: Modified Time to Continue TSN 937.1 Hours 2. Component Maintenance Manual: 73-25-02 Rev - dated 2/1/97 3. Service Bulletin(s): SB 73-11 Temp. Rev. 4. Comments: Unit updated to 114395-2A1-5202 Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part 145 and in respect to that work the aircraft component is considered ready for release to service under EASA Acceptance Certificate Number EASA.145.4312															
14. 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 13															
19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 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.															
15. Authorized Signature:				16. FAA Authorization No.:				20. Authorized Signature 				21. Approval/Certificate No: SF3R839L			
17. Name (Typed or Printed)				18. Date (m/d/y):				22. Name (Typed or Printed) Robert Martin				23. Date (m/d/y): May 26 2005			
User/Installer Responsibilities															
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer works 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 part/components/assemble from the Airworthiness Authority of the country specified in block 1. Statements in block 14 and 19 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.															

Approving National Aviation
 Authority / Country:
FAA / UNITED STATES

AUTHORIZED RELEASE CERTIFICATE
 FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3 Form Tracking Number

AS17465

5 Work Order, Contract, or Invoice Number

E66123

12 Status/Work:

INSPECTED

CRS# TU3R880L

9 Eligibility:

N/A

10 Quantity:

1

11 Serial/Batch Number:

CAE-847057

12 Status/Work:

INSPECTED

4 Organization Name and Address

ASI SERVICES
 21617 N 2nd Avenue, Phoenix, AZ 85027

7 Description

ENGINE ASSEMBLY

8 Part Number

23063392

6 Item

1

13 Remarks

COMPLETED WITH A 150/300 HOUR INSPECTION (OFF AIRFRAME)

IN ACCORDANCE WITH ROLLS ROYCE MANUAL CSP21001, T.R. E2R13-72-2, E2R13-71-1, DATED 08APR11

TT: 1876.1
 TSO: TSN

TC: 2919
 CSO: CSN

ASI Services certifies that the work specified in Blocks 12/13 was performed in accordance with EASA Implementation Rule part 145 approval, and with respect to that work, the aircraft component is considered ready for release to service under EASA approval number: 145.4086.

- 14 CFR 43.9 Return to Service
 Other regulation specified in Block 13
 Approved design data are in a condition for safe operation.
 Non-approved design data specified in Block 13.

19 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 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.

15. Authorized Signature:

16. Approval/Authorization No.:

20. Authorized Signature:

21. Approval/Certificate:

17. Name (Type or printed):

18. Date (m/d/y):

22. Name (Type or printed):

23. Date (m/d/y):



WARREN P KEYSAR



TU3R880L

AUG 15 2011

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer 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 parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Block 14 and 19 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 can be flown.

* Installer must cross check eligibility with applicable technical data

United States

AUTHORIZED AIRWORTHINESS APPROVAL TAG
 FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

SF1388501

Organization Name and Address:
 ROLLS-ROYCE ENGINE SERVICES - OAKLAND INC.
 7200 Earhart Road
 Oakland, California 94621(VZ3R937L)

5. Work Order, Contract, or Invoice Number:
 EA122759

6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	EMC-35 HYDROMECHANICAL UNIT	23078031	250-C47	1 EA	JGALM0547	REPAIRED

13. Remarks: The above unit was repaired and tested in accordance with the manufacturer's specifications. C.M.M. CSP24009, 1st Edition, 7th Revision, Dated 15 June, 2004. Records of work performed are on file at this repair station under Monitor Group Number: SF1388501.

Bulletins complied with: PMIT'S 10020 (CEB 73-6039), 10024 (CEB A73-6042), CEB 73-6044 & CSL6096 R1.

TSO: NEW TT: 1425.8

Completion date: 8 JUNE, 2005

Rolls-Royce Engine Services-Oakland Inc. Certifies that the work specified in block 12/13 was performed in accordance with JAR 145 or EASA IR 145 and with respect to that work, the aircraft component is considered ready for release to service under CAA or EASA Acceptance Certificate Number: EASA.145.4690.

14. Certifies 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 13

15. Authorized Signature
 16. Approval/Authorization No.

17. Name (Typed or Printed)
 18. Date (m/d/y):

19. 14 CFR 43.9 Return to Service Other regulation specified in Block 13
 Certifies that unless otherwise specified in Block 13, the work specified in Block 12 and describe in Block 13 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.

20. Authorized Signature
 21. Approval/Certificate Number:

22. Name (Typed or Printed)
 23. Date (m/d/y):

* Installer must cross check eligibility with applicable technical data.

USER/INSTALLER RESPONSIBILITIES

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. 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, authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 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.

AUTHORIZED RELEASE CERTIFICATE

3. Form Tracking Number: **10337864**

4. Organization Name and Address:

Delavan Inc
d/b/a Turbine Fuel Technologies
811 Fourth St.
West Des Moines, Iowa 50265

Cert. No. **KT2R964K**

5. Work Order /Contract/Invoice Number:
702557

6. Item:	7. Description:	8. Part Number	9. Eligibility*	10. Quantity:	11. Serial/Batch No.:	12. Status/Work:
01	FUEL NOZZLE ASSEMBLY	23077067	N/A	1	MFG ORDER# 00333042 SERIAL# 1RLO2581	OVERHAULED

13. Remarks: **OVERHAULED TO: OVERHAULED IAW OHM 14W.3
MODIFIED IAW PMI G0005. (IMPROVED FILTER ASSY)**

Certifies that the work specified in blocks 12/13 was performed in accordance with EASA, J.R. 145 and with respect to that work, the aircraft component is considered ready for release to service under EASA Acceptance Certificate Number: EASA.145.4378

DLN P/N 139972-UIG

14. Certifies the items identified in blocks 12 and 13 were manufactured in conformity to:
 Approved design and are in condition for safe operation
 Non-approved design data specified in Block 13.

19 14 CFR 43.9 Return to Service Other regulation specified in Block 13
Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 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.

15. Authorized Signature: **[Redacted]**

16. Approval/Authorization No.:

20. Authorized Signature: *Anna Cameron*

22. Name (Typed or Printed): **ANNA CAMERON**

21. Approval/Certificate No.: **KT2R964K**

23. Date (m/d/y): **JAN 06 2005**

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. 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 accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 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.

United States

AUTHORIZED RELEASE CERTIFICATE

3. Form Tracking Number:
N/A
E7564

4. Organization Name and Address: Goodrich Pump & Engine Control Systems, Inc.
CHARTER OAK BOULEVARD
WEST HARTFORD, CT 06133-0651

APPROVAL TAG
Repair Station Number SF3R839L

5. Work Order/Contract/Invoice Number: 124230
702766

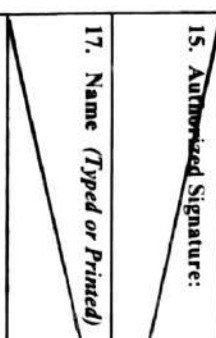

6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work
1.	EMC-35A ECU	114395-2A1-5202 23072790	N/A N/A	1	JG6ALK0128	MODIFIED

13. Remarks

- Status/Work Description: **Modified Time to Continue** TSN **937.1** Hours
- Component Maintenance Manual: **73-25-02 Rev -** dated **2/1/97**
- Service Bulletin(s): **SB 73-11** Temp. Rev.
- Comments: **Unit updated to 114395-2A1-5202**

Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part 145 and in respect to that work the aircraft component is considered ready for release to service under EASA Acceptance Certificate Number EASA.145.A312

14. Certifies 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 13
19. 14 CFR 43.9 Return to Service Other regulation specified in Block 12
- Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 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.

15. Authorized Signature:	16. FAA Authorization No.:	20. Authorized Signature	21. Approval/Certificate No:
			SF3R839L
17. Name (Typed or Printed)	18. Date (m/d/y):	22. Name (Typed or Printed)	23. Date (m/d/y):
		Robert Martin	May 26 2005

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer 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 part/components/assemble from the Airworthiness Authority of the country specified in block 1.

Statements in block 14 and 19 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.

FAA F...
It is importa...
national reg...
engineer's pr...
contains an in...
TECS are...
as EASA...
4. Comm...
3. Serv...
2. Comp...
update...
1. Work...
TSN...
12. Ren...
1. ...
6. Item...
Repair...
4. Org...
1

(247M)

EGU

S/R JGALW0068

R/R 23072949

Service Record Card

MGN: ~~5F1388521~~

DO NOT BEND

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

COPY

1. Approving National Aviation Authority/Country: FAA/United States	2. Organization Name and Address: Goodrich Pump & Engine Control Systems, Inc. CHARTER OAK BOULEVARD WEST HARTFORD, CT 06133-0651	3. Form Tracking Number: N/A E7568
4. Organization Name and Address: (repeated)		5. Work Order/Contract/Invoice Number: 124231 702766

6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work
1.	EMC-35A ECU	113920-4A4-6002 23072949	N/A N/A	1	JG7ALW0068	MODIFIED

13. Remarks

1. Status/Work Description: Modified Time to Continue TSN 1524 Hours dated 2/1/97 Temp. Rev.

2. Component Maintenance Manual: 73-25-02 Rev -

3. Service Bulletin(s): SB 73-11

4. Comments: Unit updated to 113920-4A4-6002

Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part 145 and in respect to that work the aircraft component is considered ready for release to service under EASA Acceptance Certificate Number EASA.145.4312

14. 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 13	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 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.
--	--

15. Authorized Signature:	16. FAA Authorization No.:	20. Authorized Signature: <i>Robert Martin</i>	21. Approval/Certificate No.: SF3R839L
17. Name (Typed or Printed):	18. Date (m/d/y):	22. Name (Typed or Printed): Robert Martin	23. Date (m/d/y): Jun 14 2005

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer 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 part/components/assembly from the Airworthiness Authority of the country specified in block 1.

Statements in block 14 and 19 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.

Part stored with company Asset
 C97 M components

GOODRICH

Pump & Engine Control Systems
Goodrich Corporation
Chrysler Building
Box 330651
West Hartford, CT 06133-0651

INVESTIGATION REPORT NUMBER

E7568

COPY

Customer:	Rolls-Royce	Model:	EMC-35A
End User:	Air Services International	Serial Number	JG7ALW0068
Purchase Order:	702766	Removal Date	
Hours:		Sales Order	72516
TSN	1524	Work Order:	124231
TSO		Part List In:	113920-3A4-6002
TSR		Parts List Out	113920-4A4-6002

Customer's Reason for Removal:
UPDATE

Investigation Results:

Unrelated Damage Yes No N/A

Description

Customer Complaint Confirmed Yes No N/A
By Visual Inspection Test Disassembly

Comments Observations
Updated unit

Unit Disposition

Overhaul Repair Modify Test Only

Action Taken

Update unit to 113920-4A4-6002

List Service Bulletins Incorporated SB 73-11

Written By *Robert Martin*

Date June 14, 2005

					Circle As Received	Test Results	PASS	FAIL - Eng. Review Req
5-14-05	200	11859						
5-23-05	205	11541			Disassemble ECU For Boards Reworks. Record Board S/Ns In ECU Log			
5-23-05	210	11541			Update CPU Brd. As Per TPS 180.			
5-23-05	212	11541			Update IF Brd. to As Per TPS 185			
5-16-05	215	11715			Replace R470 on Power Brd with P/N R478151001AR same as Operations 215 and 220 for OH-58 (113999) ECU Updates Only			
5-16-05	220	11715			EMI Assy: Replace/Clean Any Areas Of Excessive Conformal Coating			
					Replace Nylon EMI Shoulder Washers w/113942-2			
					Operations 225 to 235 for 407 (114395) ECU Updates Only			
5-16-05	225	11715			Remove U411 on Power brd. and replace with P/N 113911-2			
5-16-05	230	11715			Relabel board to P/N "11599ASSY114337-3/A". Confo. Coat U411			
					* ("11599ASSYR1-114337-3/-" if artwork P/N is 113632MD-1 Rev.0)			
5-23-05	235	11541			Remove ECU Nameplate and mark area 114490-2. (R1- for 6B1 Update)			
5-23-05	240	88			Inspect All Reworks Performed			

5-24-05	245	10440	Computer Board & Edge Card Assembly
5-24-05	250	10440	Preliminary ATP - Test software Bell CE , Load Switch Pos. <u>10</u> mA.
6-1-05	255	11841	Bake ECU for 15 Minutes at 50 deg. C
6-1-05	260	11841	Torque of Hold Down Screws
6-1-05	265	11841	Secure Housing Hardware
6-1-05	270	11841	Bake ECU for 45 Minutes at 105 deg. C
6-1-05	275	11841	Cover (Work Horse OH-58 ECU) Assy-Torque External Hardware & J1, J2
6-1-05	280	11841	Inspection

COPY

CERTIFICATE OF CONFORMANCE

THIS IS TO CERTIFY THAT MATERIAL SUPPLIED WITH THIS REPORT WAS MANUFACTURED AND/OR PURCHASED IN CONFORMANCE WITH THE SPECIFICATIONS INVOLVED.

SUCH RESULTS OF CHEMICAL AND PHYSICAL TESTS, AS WELL AS SUCH OTHER EVIDENCE SHOWING ACCEPTABILITY OF MATERIAL FURNISHED ARE ON FILE AND AVAILABLE FOR EXAMINATION.

Goodrich Pump & Engine Control Systems, Inc.

NAME: [Signature]
AUTHORIZED REPRESENTATIVE


TITLE: DIRECTOR QUALITY ASSURANCE

Approval Authority: FAA/CAA
Division Name: Engine Control Systems
Engine Control System Number: []
Description: []
ASSEMBLY: []
Location: []
Performance: []
Interference: []
(S): []
Date: []
Work: []
Maintenance: []

Installed

20010259

A/C S/N		Reg. No.	Engine S/N	Date
Acqy. Time	Since OH			
	New		CAE-847020	02-16-99
	NEW		CAE 847057	2/11/02
	NEW		CAE-847057	1/10/03
1219.5				
651.2				
0.0				
Total				

1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: N/A E7568	
4. Organization Name and Address: Goodrich Pump & Engine Control Systems, Inc. CHARTER OAK BOULEVARD WEST HARTFORD, CT 06133-0651				Repair Station Number SF3R839L		5. Work Order/Contract/Invoice Number: 124231 <u>702766</u>	
6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work	
1.	EMC-35A ECU	113920-4A4-6002 23072949	N/A N/A	1	JG7ALW0068	MODIFIED	
13. Remarks							
1. Status/Work Description: Modified Time to Continue TSN 1524 Hours							
2. Component Maintenance Manual: 73-25-02 Rev - dated 2/1/97 Temp. Rev.							
3. Service Bulletin(s): SB 73-11							
4. Comments: Unit updated to 113920-4A4-6002							
Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part 145 and in respect to that work the aircraft component is considered ready for release to service under EASA Acceptance Certificate Number EASA.145.4312							
14. Certifies the items identified above were manufactured in conformity to:				19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block			
<input type="checkbox"/> Approved design data and are in a condition for safe operation.				Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 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.			
<input type="checkbox"/> Non-approved design data specified in Block 13							
15. Authorized Signature:		16. FAA Authorization No.:		20. Authorized Signature		21. Approval/Certificate No:	
						SF3R839L	
17. Name (Typed or Printed)		18. Date (m/d/y):		22. Name (Typed or Printed)		23. Date (m/d/y):	
				Robert Martin		Jun 14 2005	

GOODRICH

Pump & Engine Control Systems
Goodrich Corporation
Charter Oak Boulevard
Box 330651
West Hartford, CT 06133 0651

INVESTIGATION REPORT NUMBER:

E7568

Customer: Rolls-Royce
End User: Air Services International
Purchase Order: 702766
Hours:
 TSN 1524 **Cycles:**
 TSO **CSN:**
 TSR **CSO:**
 CSR:

Model: EMC-35A
Serial Number JG7ALW0068
Removal Date
Sales Order 72516
Work Order: 124231
Part List In: 113920-3A4-6002
Parts List Out 113920-4A4-6002

Customer's Reason for Removal:
UPDATE

Investigation Results:

Unrelated Damage Yes No N/A

Description

Customer Complaint Confirmed Yes No N/A

By Visual Inspection Test Disassembly

Comments Observations

Updated unit

Unit Disposition

Overhaul Repair Modify Test Only

Action Taken

Update unit to 113920-4A4-6002

List Service Bulletins Incorporated SB 73-11

Written By  Martin, Robert

Date June 14, 2005



Pump & Engine Control Systems
 Goodrich Corporation
 Charter Oak Boulevard
 Box 330651
 West Hartford, CT 06133 0651

Support Engineering/Quality Engineering
EMC-35A ECU DRTM / OS Supply Updates inst. list
 Rev. A 02-06-03

Customer:	Rolls-Royce	Serial Number	JG7ALW0068
Model:	EMC-35A	Part List In:	113920-3A4-6002
Sales Order	72516	Parts List Out	113920-4A4-6002
Work Order:	124231	Assembly Name	ECU
Purchase Order	702766		
Debit Number			

Customer's Reason for Removal:
 update

R470 Status This Unit requires additional work..See Instructions. Date Comp. 5/16/2005

Date	Op. #	Optr #	Description of Work	N/C Date
5/16/05	100	85	As Received Inspect Verify Tamper proof Seal OK <input checked="" type="radio"/> YES <input type="radio"/> NO	
5-16-05	105	11859 ANTEAN	Clean ECU per TPS122	
5-16-05	110	11859 ANTEAN	Maintenance Terminal Download As Per TPS 125	
5-16-05	115	11715	Incoming ATP, Test Software; BELL __, Load Switch Pos. __ mA.	
5/16/05	120	11715	P1 Pressure, Bonding, and R470 Testing Record On PT1540	
			Circle As Received Test Results PASS FAIL - Eng. Review Req'd.	
5-16-05	200	11859 ANTEAN	Disassemble ECU For Boards Reworks. Record Board S/Ns In ECU Log.	
5-23-05	205	11541	Update CPU Brd. As Per TPS 180.	
5-23-05	210	11541	Update IF Brd. to As Per TPS 185	5/16/05
5-23-05	212	11541	Replace R470 on Power Bd with P/N 2W12815/100/FR <i>same old part</i>	11715
			Operations 215 and 220 for OH-58 (113999) ECU Updates Only	
5/16/05	215	11715	EMI Assy: Replace/Clean Any Areas Of Excessive Conformal Coating	
5/16/05	220	11715	Replace Nylon EMI Shoulder Washers w/113942-2	
			Operations 225 to 235 for 407 (114395) ECU Updates Only	
5-16-05	225	11715	Remove U411 on Power brd. and replace with P/N 113911-2	
5/16/05	230	11715	Relabel board to P/N "11599ASSY114337-3/A"*. Confo. Coat U411 * ("11599ASSYR1-114337-3/-" if artwork P/N is 113632MD-1 Rev.0)	
5-23-05	235	11541	Remove ECU Nameplate and mark area 114490-2. (R1- for 6B1 Update)	
5/23/05	240	85	Inspect All Reworks Performed	

Written By AL ELDANAF

Date Initiated

May 16, 2005

Support Engineering/Quality Engineering
EMC-35A ECU DRTM / OS Supply Updates inst. list

Rev. B 09-17-04

REFERENCE THE EMC-35A ECU ASSEMBLY PROCESS SHEETS FOR THE FOLLOWING OPERATIONS
 Actual operation numbers may differ from process sheets

Date	Op. #	Oprtr. #	Description of Work	N/C Date
5-24-05	245	10440	Computer Board & Edge Card Assembly	
5-24-05	250	10440	Preliminary ATP - Test software Bell <u>CS</u> , Load Switch Pos. <u>10</u> mA.	
6-1-05	255	11841	Bake ECU for 15 Minutes at 50 deg. C	
6-1-05	260	11841	Torque of Hold Down Screws	
6-1-05	265	11841	Secure Housing Hardware	
6-1-05	270	11841	Bake ECU for 45 Minutes at 105 deg. C	
6-1-05	275	11841	Cover (Work Horse OH-58 ECU) Assy-Torque External Hardware & J1, J2	
6-1-05	280	11841	Inspection	
6-1-05	285	11872	Vibration Testing (5 Min. Only)	
5-16-05	290	11715	Replace Work Horse Cover if required.	
6-4-05	292	11552	Leak Test as per OEM Process. ***	
JUN 14 2005	294	11552	Test 13 (Q), Temperature Cycling (3 cycles only)	
JUN 14 2005	300	11552	Final ATP	
JUN 14 2005	305	11552	Pedal Pot Testing, if required.	
JUN 14 2005	307	11552	SM VBit / OrDiode TPS186	- RECORD ON PT 1540-
JUN 14 2005	310	11552	P1 Test,	- RECORD ON PT1540 -
JUN 14 2005	315	11552	Bond & R470 Test	- RECORD ON PT1540 -
JUN 14 2005	320	11552	Final Software/On Line Loader	
JUN 14 2005	325	11552	The next Operation requires a CECO Inspector to Witness.	85 6/14/05
JUN 14 2005	330	11552	Load Constants, EE Erase, and Verify	
JUN 14 2005	335	11552	Mark and install nameplate	
JUN 14 2005	340	11552	Lockwire, P1CAP, Vibration Isolators	
6/14/05	345	11214	Generate Engineering Strip report	
6/14/05	350	11214	Advise program administrator of ECU status, disposition & repairs (if any)	
6/14/05	355	11214	Inspection By FAA Repairman Certificate Holder	
6/14/05	360	85	Final Inspection	

Written By AL ELDANAF

Date Initiated

May 16, 2005

23072949

P/C 060 TYPE SM S/I 1.000
S/N JG7ALW0068

1 CARTON @ 18LBS.

MODIFIED, TIME TO CONTINUE
TSN: 1524.0 HRS, S/N: JG7ALW0068

ION	SOURCE	8130-3	FAA	Cert of Conf Fowar
MENTS		Y	FM	

CERTIFICATE OF CONFORMANCE

THIS IS TO CERTIFY THAT MATERIAL SUPPLIED WITH THIS REPORT WAS MANUFACTURED AND/OR PURCHASED IN CONFORMANCE WITH THE SPECIFICATIONS INVOLVED.

SUCH RESULTS OF CHEMICAL AND PHYSICAL TESTS, AS WELL AS SUCH OTHER EVIDENCE SHOWING ACCEPTABILITY OF MATERIAL FURNISHED ARE ON FILE AND AVAILABLE FOR EXAMINATION.

Goodrich Pump & Engine Control Systems, Inc.

NAME: 
AUTHORIZED REPRESENTATIVE

TITLE: DIRECTOR QUALITY ASSURANCE

Inspection - Maintenance - Overhaul
AD/CEB Compliance Record Accessory

Nomenclature FADED ASSY

Component serial number JGZALW0068

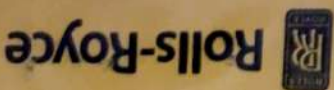
Note 1: Record AD & CEB compliance and transfer information.
Note 2: This card must accompany accessory at return.

Date	P/N	Accy. Time	
		Since OH	Total
02-16-99	23070259	New	0.0

Shipped from Rolls-Royce Allison
 Update per SR 73-11
 Update per SR 73-6034 DMI IODIT
 SF328370

Signature and Certificate No.

on Engine Model 250-C47M



Installed				Removed			
Date	Engine S/N	Reg. No.	A/C S/N		Date	Reason	
			Since	OH		Acy. Time	OH
02-16-99	CAE-847020		New	0.0	09-12-01	NEW	631.2 CEB 73-6036
2/11/02	CAE 847057		NEW	631.2	9-30-02	NEW	1219.5 CONVENTANCE
1/10/03	CAE-847057		NEW	1219.5	7/5/03	TSV	1524.0 CONVENTANCE

1. Approving Civil Aviation Authority/Country: FAA/United States

2. **AUTHORIZED RELEASE CERTIFICATE**
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number: 22187

4. Organization Name and Address: Triumph Engine Control Systems, LLC, Charter Oak Boulevard, West Hartford, CT 06133-0651
Repair Station Number: SF3R839L

5. Work Order/Contract/Invoice Number: 00849447
5000543946

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work
1.	ASSY. ECU PROGRAMMED, EMC-3SR	115220-2A5-24 M250-10696	1	JG6ALK0128	Repaired

12. Remarks
TSN: 2113 10 CSN: UNK Temp. Rev.: 73-5
1. Work Description: Unit was upgraded to P/N 115220-2A5-24, Customer P/N M250-10696. Complied with SB 73-1 & 73-7 as part of the upgrade. Complied with SB 73-2 & 73-10 for the software update. All work performed was in compliance with CMM 73-25-05, Rev.3, May 14,2015. Complied with PMI 10026, 10030, & 10036.

- 2. Component Maintenance Manual: 73-25-05 REV 3 DTD 5/14/15
- 3. Service Bulletin(s): 73-1, 73-2, 73-7, & 73-10
- 4. Comments: Engine Serial Number: CAE847057

TECS 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 [product/article] is considered ready for release to service under EASA Part 145 approval no. EASA.145.4312.

13a. Certifies the items identified in Block 12

Approved design data and/or in a position for approval

Non-approved design data specified in Block 12

13b. Authorized Signature:	13c. Approval/Authorization No:	14b. Authorized Signature <i>Rick Roth</i>	14c. Approval/Certificate No: SF3R839L
13d. Name (Typed or Printed)	13e. Date (dd/mm/yyyy)	14d. Name (Typed or Printed): RICK ROTH	14e. Date (dd/mm/yyyy): 08 Feb 2018

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 block 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.

Inspection - Maintenance - Overhaul - Transfer - AD/CEB Compliance Record - Accessory



Nomenclature FADEC Assy
 Component Serial Number 7664K0128

Part II
 Page No. 1
 Engine Model 250-C47B

Note 1: Record AD & CEB Compliance and transfer information in "Remarks" section.
 Note 2: This card must accompany accessory at removal.

Date	P/N	Accessory Time		Remarks	Signature and Certificate No.
		Since OH	Total		
2/8/18	M250-10696	New	2113.10	Upgraded to P/N 115220-2H5-24 per CMA1585 73-26-05, 73-1, 2, 7, +10, Compliance with PMZ 10026, I0030 & I0036	R. Pott 5E3R839L

GT-11778 (B)-L (7/106)

Duplicate Cards

Service Accessory Record

Nomenclature _____
Component Serial Number 166ALK8128

FADEC Assy



Part I
Page No. 1
Engine Model 250-C47B

Date	Engine S/N	Installed		Accessory Time		Date	Removed		Reason
		A/C S/N	Req. #	Since OH	Total		Since OH	Total	
	CAS 84051			New	937.1	UNC	NEW	2113.1	CEB COMPLIANCE


GT-11778(F)-L (7/06)

MAINTENANCE REPORT

Customer Name: Rolls-Royce Corporation
 Operator Name: ASI SERVICES
 Report Number: 22187.00
 Date Initiated: 02/08/2018

TECS P/N In: 11495-2A1-5202
 TECS P/N Out: 115220-2A5-24
 Customer P/N: M250-10696
 TSO: TSN:2113.10
 Date Received: 1/15/2018
 TECS S/O No: 00536620

Component/Accessory Nomenclature: ASSY, ECU PROGRAMMED, EMC-35R
 CSO: CSN:UNK
 CMI: 73-25-05 REV 3 DTD 5/14/15
 Removal Date: 00849447
 Work Order: 00849447

Serial Number: JG6ALK0128
 Certificate Number: SF3R839L
 Repair Station Air Agency:  Triumph Engine Control Systems

Service Bulletins Incorporated This Visit: 73-1, 73-2, 73-7, & 73-10

Customer Instructions: Confirmed? Yes

Reason for Return:

UPGRADE TO EMC-35R

Component / Accessory Disposition:

Unit requires upgrade to EMC-35R.
 Unit requires 73-1, 73-2, 73-7, & 73-10.

Summary of Work:

Unit was upgraded to P/N 115220-2A5-24, Customer P/N M250-10696.
 Complied with SB 73-1 & 73-7 as part of the upgrade.
 Complied with SB 73-2 & 73-10 for the software update.
 All work performed was in compliance with CMM 73-25-05, Rev.3, May 14, 2015.
 Complied with PMI 10026, 10030, & 10036.

Comments / Warranty Statement:

Rick Roth

Written By: RICK ROTH

Date Completed: 2/8/2018

Nothing in this report shall be deemed to be an admission by the Company of liability for any loss or damage of any kind whatsoever caused directly or indirectly by a defect in material or by any defect in equipment the subject of this report or by any negligence by the Company or any servant or agent of the Company Triumph Engine Control Systems West Hartford CT USA.

THIS REPORT CONTAINS NO EXPORT CLASSIFIABLE TECHNICAL DATA.



Triumph Engine Control Systems



A Triumph Group Company

EMC-35A/R Maintenance Terminal