

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

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

3. Form Tracking Number:  
 RPR36040 rev.1

4. Organization Name and Address  
 Dallas Airmotive, Inc.  
 21625 North Central Avenue  
 Phoenix, AZ 85024  
 Certificate Number: YRR4491L

5. Work Order/Contract/Invoice Number:  
 RPR36040



6. Item	7. Description:	8. Part Number	9. Quantity:	10. Serial Number:	11. Status/Work:
1	Engine	23063392	1	CAE847843	REPAIRED

12. Remarks TT: 2819.8 TSO: NEW CSN: 1394 CSO: NEW

Performed Engine conversion, from C47M to C47B, changed Engine P/N to 23063392, changed Gearbox P/N to 23063393 and removed ECU P/N 23072949 S/N JG8ALW0078 with reference to Rolls Royce manual CSP22001 Edition: 2 Revision: 14 Dated: September 15, 2013 (including up to TRE2R14-72-2 dated May 15, 2014) and other data and methods approved by the administrator. Note #1: ECU was not replaced this visit. Note #2: The following Bulletins and Letters were complied with this visit, CEB-72-6021, CEB-72-6004, CEB-73-6054, CEB-72-6009, CEB-72-6008 and CSL-A-6142.

13a. 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 12

13b. Authorized Signature:  
*Richard Johnson*

13c. Approval/Authorization No.:  
 YRR4491L

13d. Name (Typed or Printed):  
 RICHARD JOHNSON

13e. Date:  
 30-September-2014

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

14b. Authorized Signature:  
*Richard Johnson*

14c. Approval/Certificate No.:  
 YRR4491L

14d. Name (Typed or Printed):  
 RICHARD JOHNSON

14e. Date (dd-mmm-yyyy):  
 30-September-2014

13a. 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 12

13b. Authorized Signature:  
*Richard Johnson*

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 YRR4491L

13d. Name (Typed or Printed):  
 RICHARD JOHNSON

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 30-September-2014

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

14b. Authorized Signature:  
*Richard Johnson*

14c. Approval/Certificate No.:  
 YRR4491L

14d. Name (Typed or Printed):  
 RICHARD JOHNSON

14e. Date (dd-mmm-yyyy):  
 30-September-2014

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.

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  
FAA/United States

2. Organization Name and Address  
Dallas Airmotive, Inc.  
21625 North Central Avenue  
Phoenix, AZ 85024  
Certificate Number: YRR4491L

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:  
RPR36040-1

5. Work Order/Contract/Invoice Number:  
RPR36040

11. Status/Work:  
REPAIRED



6. Item	7. Description:	8. Part Number	9. Quantity:	10. Serial Number:
1	Compressor Module	23063393	1	CAC44413

12. Remarks TT: 2819.8 TSO: NEW CSN: 1394 CSO: NEW

Complied with CEB-72-6067, Bearing installed is P/N M250-10354 S/N FAG136654 with reference to Rolls Royce manual CSP22001 Edition: 2 Revision: 14 Dated: September 15, 2013 (including up to TRE2R14-72-2 dated May 15, 2014) and other data and methods approved by the administrator. Note: The following Bulletins and Letters were complied with this visit, CEB-72-6067, CEB-72-6009 and CSL-A-6142.

13a. 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 12

13b. Authorized Signature:

13c. Approval/Authorization No.:

13d. Name (Typed or Printed):

13e. Date

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

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

14b. Authorized Signature:

*Richard Johnson*

14d. Name (Typed or Printed):

RICHARD JOHNSON

14c. Approval/Certificate No.:

YRR4491L

14e. Date (dd-mm-yyyy)

13-August-2014

User/Installer Responsibilities

## ASI TBO / LIFE LIMITED PARTS STATUS REPORT

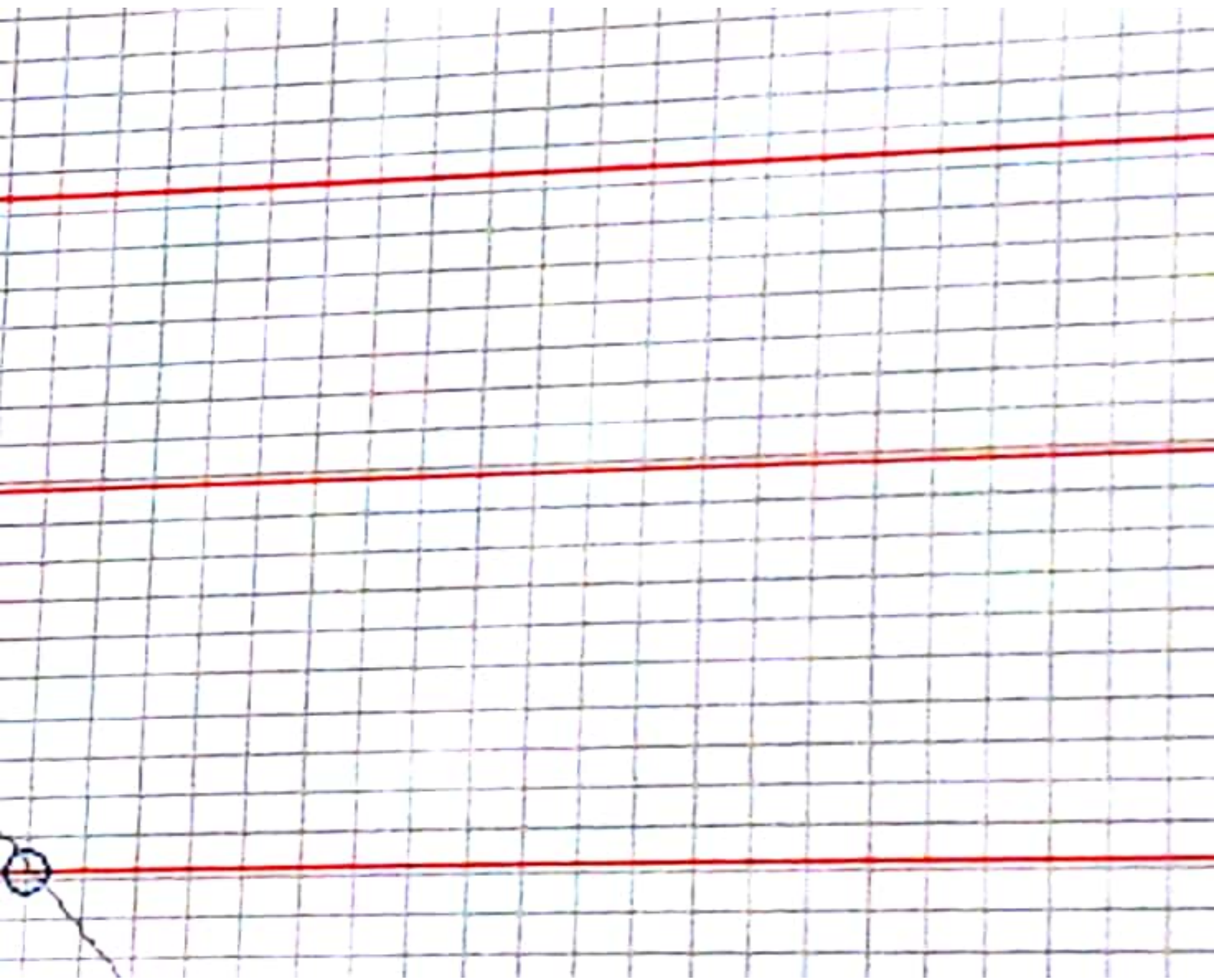
WORK ORDER # Description	Part Number	E6657 Serial Number	Model	Hours Total	Life Limit	Since O/H	Remaining	Cycles			
								Total	Life Limit	Since O/H	Remaining
ENGINE	23063392	CAE-847843	C47B	2,819.80	On Cond	TSN	No Limit	1,394	On Cond	CSN	No Limit
COMPRESSOR	23065593	CAC-44413	C47B	2,819.80	On Cond	TSN	No Limit	1,394	On Cond	CSN	No Limit
IMPELLER	23065591	JY102165		1,468.70	7,500.00	TSN	6,031.30	394	18,000	CSN	14,808
GEARBOX	23063393	CAG-47843	C47B	2,819.80	On Cond	TSN	No Limit	1,394	On Cond	CSN	No Limit
TURBINE	23063354	CAT-44386	C47	2,819.80	2,000.00	0.00	2,000.00	1,394	On Cond	0	No Limit
1ST STG WHEEL	23053299	X566759	C47	0.00	2,025.00	TSN	2,025.00	0	3,000	CSN	3,000
2ND STG WHEEL	23032280	X569674	C47	0.00	2,025.00	TSN	2,025.00	0	3,000	CSN	3,000
3RD STG WHEEL	6898663	HX91771R	C47	2,819.80	4,550.00	0.00	1,730.20	1,394	6,000	0	4,808
4TH STG WHEEL	23066744	HX73975	C47	2,819.80	4,550.00	0.00	1,730.20	1,394	6,000	0	4,808
H M U	23078031	ALM0040	C47	3,345.10	2,500.00	1,178.50	1,321.60	N/A	On Cond	N/A	No Limit
FUEL NOZZLE	6898001	1UM08002	C47	N/A	2,000.00	1,468.70	531.30	N/A	On Cond	N/A	No Limit
BLEED VALVE	23005366E	FF58589	C47	N/A	1,500.00	568.00	932.00	N/A	On Cond	N/A	No Limit
E C U	Not Installed	Not Installed	C47	N/A	On Cond	N/A	No Limit	N/A	On Cond	N/A	No Limit

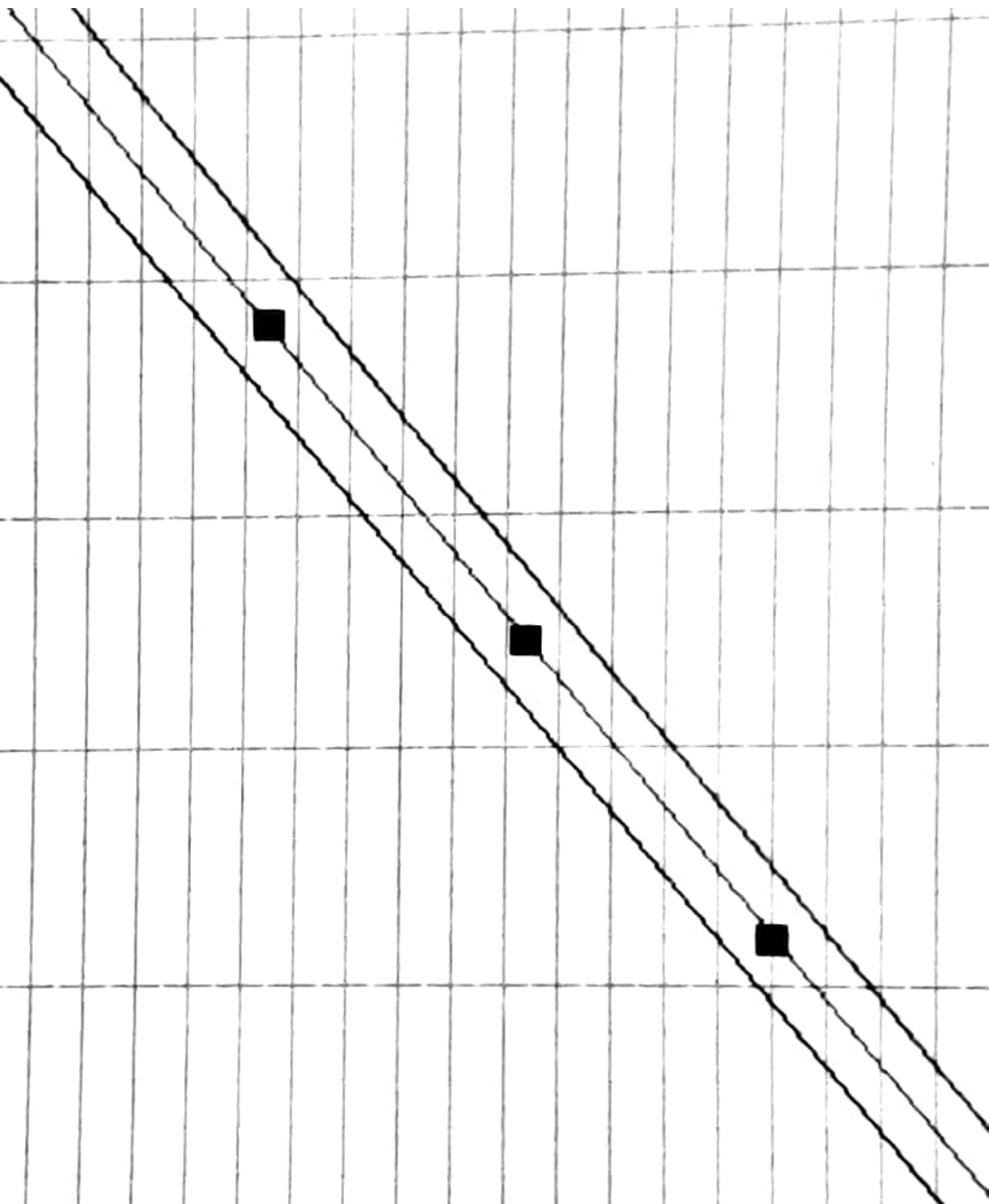
FAA AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD

P/N	S/N	WO#	DESCRIPTION	LAST C/W	ONCE/RECUR	NEXT C/W DUE	COMPLIANCE NOTES
23065460 A.D. NUMBER	CAE-847843 EFF. DATE	E65657 CEB NUMBERS					
82-24-05	11/26/1982	A-229, A-1206, A-99, A-1166	TO PREVENT POSSIBLE ENGINE POWER LOSS, AUTOACCELERATION, OVERSPEEDING, OR POWER TURBINE GOV. FAIL.	N/A	ONCE	N/A	N/A BY P/N (HMU) INSTALLED
98-10-03	5/26/1998	CEB-A73-6010/6015	WIRING HARNESS AND HYDROMECHANICAL UNIT REPLACEMENT	N/A	ONCE	N/A	N/A BY HMU P/N 23078031 INSTALLED, WIRING HARNESS P/N 23072014 INSTALLED ARE NOT APPLICABLE TO A.D. AND NO ECU INSTALLED AT THIS SHOP VISIT.
2003-13-10	N/A	CEB A-73-6030	HMU BACKLASH MEASUREMENT SUPERSEDED BY 2004-24-04		RECUR	N/A	PCW
2004-24-04	1/3/2005	CEB A-73-6030	HYDROMECHANICAL UNIT REPLACEMENT	Initial C/W 4/25/2003 LAST RECURRING INSPECTION 12/14/2007 UNTI TOTAL TIME 3331.80	RECURRING	AT HMU TT 3631.80 (ENGINE TT 3106.50)	PCW BY LOG BOOK ENTRY DATED 12/14/2007. NEXT INSPECTION DUE AT HMU TT 3631.80 (ENGINE TT 3106.50)
2006-16-04	9/7/2006	A-313, A-73-2075, A01394, A-73-3118, A- 73-4056	TO MINIMIZE THE RISK OF SUDDEN LOSS OF ENGINE POWER AND UNCOMMANDED SHUTDOWN OF THE ENGINE DUE TO FUEL NOZZLE.	9/23/2007	ONCE	N/A	PCW BY COMPLIANCE WITH A.D. 2004-24-09 AT NOZZLE TSO 1468.70 ON 9/23/2007. NOZZLE REPLACEMENT DUE AT ENGINE TT3,351.10
2006-20-07	11/2/2006	CEB-A-72-6054	THRESHOLD EVENT RECORDING	11/21/2007	RECUR	AT NEXT OVERSPEED EVENT	PCW AT 2819.80 BY LOG ENTRY DATED 11/21/2007. EVENT RECORDING CARDS IN LOGBOOK NO OVERSPEED EVENTS RECORDED.

The information contained herein has been obtained from sources (previous owners, operators and/or repair agencies), which this company believes to be reliable. The installer / Operator of these parts has ultimate





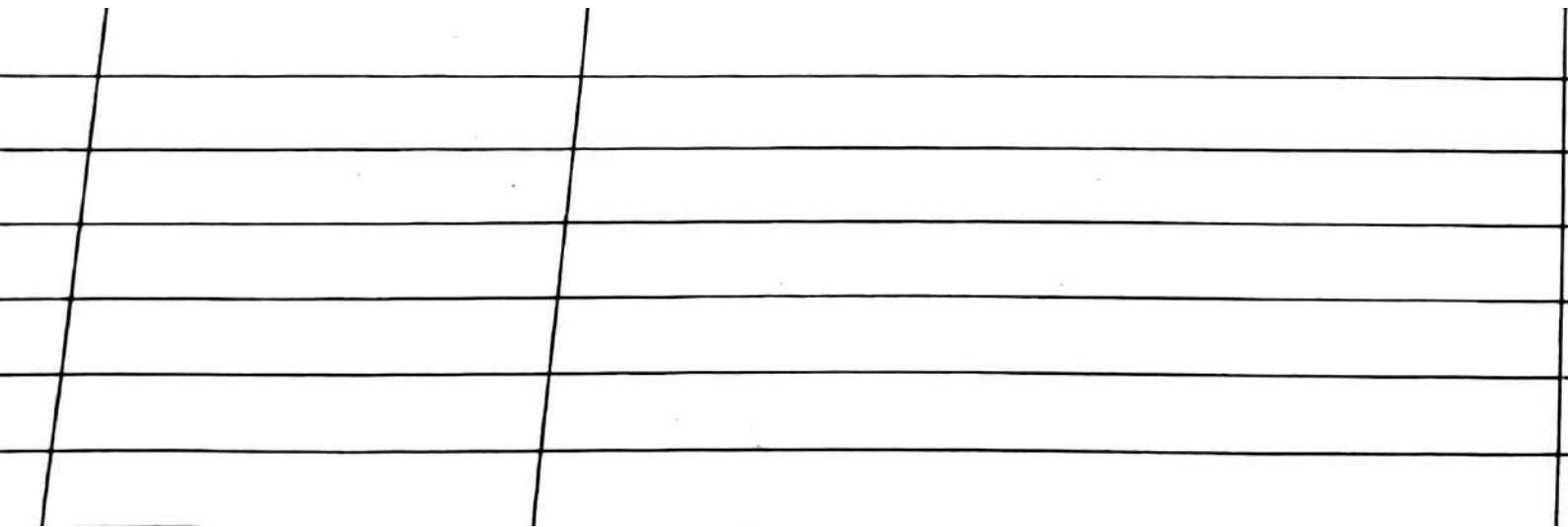


WORK ORDER #	Description	Part Number	E66657	Serial Number	Model	Hours		Life Limit	Since O/H	Remaining	Cycles		
						Total	Life Limit				Total	Life Limit	Since O/H
ENGINE		23063392		CAE-847843	C47B	2,819.80	On Cond	TSN	No Limit	1,394	On Cond	CSN	No Limit
COMPRESSOR		23065593		CAC-44413	C47B	2,819.80	On Cond	TSN	No Limit	1,394	On Cond	CSN	No Limit
IMPELLER		23065591		JY102165		1,468.70	7,500.00	TSN	6,031.30	394	15,000	CSN	14,606
GEARBOX		23063393		CAG-47843	C47B	2,819.80	On Cond	TSN	No Limit	1,394	On Cond	CSN	No Limit
TURBINE		23063354		CAT-44386	C47	2,819.80	2,000.00	0.00	2,000.00	1,394	On Cond	0	No Limit
1ST STG WHEEL		23053299		X566759	C47	0.00	2,025.00	TSN	2,025.00	0	3,000	CSN	3,000
2ND STG WHEEL		23032280		X569674	C47	0.00	2,025.00	TSN	2,025.00	0	3,000	CSN	3,000
3RD STG WHEEL		6898663		HX91771R	C47	2,819.80	4,550.00	0.00	1,730.20	1,394	6,000	0	4,606
4TH STG WHEEL		23066744		HX73975	C47	2,819.80	4,550.00	0.00	1,730.20	1,394	6,000	0	4,606
H M U		23078031		ALM0040	C47	3,345.10	2,500.00	1,178.50	1,321.50	N/A	On Cond	N/A	No Limit
FUEL NOZZLE		6899001		1UM08002	C47	N/A	2,000.00	1,468.70	531.30	N/A	On Cond	N/A	No Limit
BLEED VALVE		23005366E		FF58589	C47	N/A	1,500.00	568.00	932.00	N/A	On Cond	N/A	No Limit
E C U		Not Installed		Not Installed	C47	N/A	On Cond	N/A	No Limit	N/A	On Cond	N/A	No Limit



2004-24-04	1/3/2005	CEB A-73-6030	HYDROMECHANICAL UNIT REPLACEMENT	Initial C/W 4/25/2003 LAST RECURRING INSPECTION 11/14/2007 UNTI TOTAL TIME 3331.90	RECURRING	AT HMU TT 3631.90 (ENGINE TT 3106.50)	PCW BY LOG BOOK ENTRY DATED 11/14/2007. NEXT INSPECTION DUE AT HMU TT 3631.90 (ENGINE TT 3106.50)
2006-16-04	9/7/2006	A-313, A-73-2075, A01394, A-73-3118, A- 73-4056	TO MINIMIZE THE RISK OF SUDDEN LOSS OF ENGINE POWER AND UNCOMMANDED SHUTDOWN OF THE ENGINE DUE TO FUEL NOZZLE.	9/23/2007	ONCE	N/A	PCW BY COMPLIANCE WITH A.D. 2004-24-09 AT NOZZLE TSO 1468.70 ON 9/23/2007. NOZZLE REPLACEMENT DUE AT ENGINE TT3.351.10
2006-20-07	11/2/2006	CEB-A-72-6054	THRESHOLD EVENT RECORDING	11/21/2007	RECUR	AT NEXT OVERSPEED EVENT	PCW AT 2819.80 BY LOG ENTRY DATED 11/21/2007 EVENT RECORDING CARDS IN LOGBOOK NO OVERSPEED EVENTS RECORDED.

The information contained herein has been obtained from sources (previous owners, operators and/or repair agencies), which this company believes to be reliable. The installer / Operator of these parts has ultimate responsibility for use of this information.



250-C4 MP  
-847843

N60413P

# ALLISON MODEL 250 ENGINE LOG

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AEROSPACE  
GROUP

1. Approving national aviation authority/country  
- Autorité de l'aviation du pays  
d'approbation/pays

Transport Canada

**AUTHORIZED RELEASE CERTIFICATE - BON DE SORTIE AUTORISÉE**  
TCCA 24-0078 - TCAC 24-0078

3. Form tracking No. - Numéro de suivi du formulaire  
HSBP1007J17235

4. Approved organization name and address - Nom et adresse de l'organisme agréé  
ACROHELIPRO Global Services Inc.  
4551 Agar Drive  
Richmond, B.C. V7B 1A4

5. Work order/contract/invoice - N° de bon de travail/de  
contrat/de facture  
27-20375

6. Item - Article 1	7. Description Engine Assembly	8. Part No. - N° de pièce 23065460	9. Eligibility - Admissibilité 	10. Qty. - Qtée 1	11. Serial/batch No. - N° de série/de lot CAE-847843	12. Status/work - État/travail Repaired
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13. Remarks - Remarques

**Repaired and Tested** in accordance with CSP 22001, 2<sup>nd</sup> edition, 8<sup>th</sup> revision, dated 15 September 2007.  
150, 300 and 2000 Hour Inspections carried out in accordance with CSP 21004, 1<sup>st</sup> revision, 10<sup>th</sup> revision, dated 15 September 2007.  
CEB A-72-6037 R3, A-72-6054 R2, 73-6036 R3, A-73-6041, AD 2006-16-04, 2006-20-07, CSL 6003 R6, A-6012 R5, 6067 complied with.  
CEB 73-6034, 73-6039, A-73-6042, AD 98-10-03, 2004-24-04 found previously complied with.

TSN: 2819.8 hours / 1394 cycles

\_\_\_\_\_ Last Line

EASA Acceptance Certificate EASA.145.7003 / Brazilian DAC Acceptance Certificate 0270-03

14. Certifies that the items identified above were manufactured in conformity to:  
Le présent bon certifie que les articles indiqués ci-dessus ont été construits conformément à:

Approved design data and are in condition for safe operation.  
Des données de conception approuvées et qu'ils peuvent être utilisés en toute sécurité.

Non-approved design data specified in block 13.  
Des données de conception non approuvées indiquées à la case 13.

X

CAR 571.10 Maintenance release.  
Certification après maintenance en vertu du RAC 571.10.

Other regulations specified in block 13.  
Autre réglementation précisée à la case 13.

19. Certifies that, except where otherwise specified in block 13, the work identified in block 12 and described in block 13 was performed in accordance with CAR 571.  
Le présent bon certifie que, à moins d'indication contraire apparaissant à la case 13, le travail indiqué à la case 12 a été effectué conformément au RAC 571.

15. Authorized signature - Signature autorisée

20. Authorized signature - Signature autorisée

21. Certificate/Approval ref No. - N° d'agrément/de certificat  
AMO 231-91  
T-15  
SCA

17. Name - Nom

22. Name - Nom

Lorne Donald

23. Date (dd/mm/yyyy) - Date (j/mmm/aaaa)  
21 November 2007



**ACROHELIPRO**  
GLOBAL SERVICES

Richmond, BC, Canada

Engine Model: RR250-C47M  
 Test Program Tool #: 4.2.84  
 Test Database Tool #: 1.1  
 Tested IAW: CSP22001  
 Unique Test ID: CAE847843

Oil: MIL-L-23699C  
 Fuel: JET-A-1  
 Test Cell: 1  
 Operator: L. Lim  
 Observer: D. Chan  
 Date: 19/11/2007

Engine	Compressor	Turbine
CAE847843	CAC44413	CAT44386
27-20375	0	0
DOHS	0	0
1	0	0
1	0	0

Serial Number  
 Work Order  
 Owner  
 Test #  
 Run #

Turbine Flow Areas (sq. in)	
High Pressure (GIP)	Low Pressure (PT)
Stator 1	Stator 3
Rotor 1	Rotor 3
Stator 2	Stator 4
Rotor 2	Rotor 4

**PREDICTED DATA**

	TAKEOFF	MAX CONT	CRUISE A	CRUISE B
Spec MGT (F)	1268	1230	1181	1113
Pred Shaft PWR @ Spec MGT (hp)	661	612	551	471
Spec Shaft PWR (hp)	650	600	540	450
Percent Delta From Spec PWR	1.7%	2.0%	2.0%	4.7%
Predicted SFC (lbm/hp-hr)	0.574	0.583	0.597	0.622
Spec SFC (lbm/hp-hr)	0.584	0.594	0.609	0.643
Percent Delta From Spec SFC	-1.7%	-1.9%	-2.0%	-3.3%

TMOP CALIBRATION	94.10	(psi(g))	(hp)
TMOP PTS SPEC	92.60	(psi(g)) +/-	1.86 (psi(g))

N/A	0	(rpm)
N/A	0	(rpm)

**POLYNOMIAL CURVE FIT**

	INTERCEPT	1ST COEFF	2ND COEFF
HP-MGT	-1.615E+02	-1.068E-02	5.202E-04
FUEL-MGT	8.985E+01	-1.486E-01	2.974E-04
FUEL-HP	9.174E+01	4.069E-01	4.306E-05
TMOP-HP	1.359E+00	1.427E-01	-
N1-HP	-	-	-

POINTS USED IN DETERMINING CURVE FIT DATA

7/11/27

ACROHELIPRO Global Services Inc.  
4551 AGAR DRIVE  
RICHMOND, BRITISH COLUMBIA  
CANADA V7B 1A4  
TELEPHONE: (604) 276-7600

GST# 86921 2795 RT0001

WAYBILL NUMBER:

CARRIER COMPANY: BAX

F.O.B.: 210-703-2139

WEIGHT: KGS

PACKAGES

PART NUMBER 23063392 / 23065460 DESCRIPTION C47B ENGINE ASSEMBLY  
CUSTOMER PURCHASE ORDER HSBP1007J17235

SERIAL NUMBER CAE-847843

QTY 1

PREV. CERT. 27-20375

COMMENTS: REPAIR

RDES NOV 27, 2007

COUNTRY OF ORIGIN: UNITED STATES  
CIVIL AIRCRAFT PARTS.

EXPORT CODE:

EXPORT SUPERVISOR:

VALUE FOR CUSTOMS: 150000.00

COST OF REPAIR : 101454.00

REASON FOR EXPORT: RETURN TO CUSTOMER

UNIT RECEIVED BY:

10:49:49

SHIP TO: Dept of Homeland Security  
Customs and Border Protection  
CBP Air

9C Butterfield Trail  
El Paso, TX 79906

VAT/EIN: EIN # 99-0308669

DOCUMENT NUMBER: C0092131

SHIPPING DATE: 7/11/27

CUSTOMER CODE: US BORDER

TERMS OF SHIPMENT:

WORK ORDER: 27-20375



# CERTIFICATE OF CONFORMANCE

Allison Engine Company, Inc. certifies that the 250 Series Turboshift 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-847843

  
Quality Assurance Department

OCTOBER 31, 1997  
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.





## 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.



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



WARRANTY

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 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 substitute equipment facilities or services, downtime costs, or claims of customers of buyer(s) for such damages.

GT-1703 (B) (1/96)

Revised January 1999



### 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.



## 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!**



F-2782AT (F)

### SERVICE RECORD ENGINE ASSEMBLY

Part I  
Page No. 1



Engine Serial Number CAE-847843

Engine Model 250-C47M

INSTALLED				REMOVED			
Date	A/C S/N	Engine Time		Date	Engine Time		Reason
	Reg. #	Since OH	Total		Since OH	Total	
04-22-98	RN034 N605BP	NEW	0.0	11/25/02	N/A	1351.1	FOD Damage to compressor
12-29-2003	RN032 N605BP	NEW	TT: 1351.1 TC: 1000	7/05/07	1408.7	2519.8	ENG OIL EXCEEDED OUT OF LIMITS (128°)
		NEW	2819.8				



**INSPECTION MAINTENANCE - OVERHAUL RECORD**



**AD NOTE AND CEB COMPLIANCE  
MODIFICATION RECORD  
ENGINE ASSEMBLY**

Part III  
Page No. 1

Engine Serial Number CAE847843 Model RR250-C47M

Compliance Date	Bulletin or Directive No.	Title	Signature		Organization
			ONE TIME	Recurring	
APRIL 25, 2003	CEB/CSL BULLETINS AND/OR AIRWORTHINESS DIRECTIVES ACCOMPLISHED TITLE				
APRIL 25, 2003	CEB-A-72-6037 INSPECT/REPLACE 1ST STAGE NOZZLE SHIELD (INSTALLED P/N 23073566 N/A TO REPETITIVE INSPECTION)		X		S.A. Johnson DALLAS AIRMOTIVE #17000401L
APRIL 25, 2003	CEB-A-73-6030 INSPECTION OF HIMU DRIVE SPLINES		X		S.A. Johnson DALLAS AIRMOTIVE #17000401L
APRIL 25, 2003	CSL-A-6010 INSPECT COMPRESSOR ROTOR AND SPLINED ADAPTER		X		S.A. Johnson DALLAS AIRMOTIVE #17000401L
APRIL 25, 2003	CSL-A-6012 N1 SHAFTING INSPECTION		X		S.A. Johnson DALLAS AIRMOTIVE #17000401L

DALLAS AIRMOTIVE RR-250CEB/CSL/AD NOTE ACCOMPLISHMENT RECORD W/O #TR0955 TT:1351.1 DAI 254 CEB CEN. AD Note Form.doc

21NOV07	CEB A72-6037R3	Insp & replacement of #1 nozzle shield				ACROHELIPRO GLOBAL SERVICES
21NOV07	CEB A72-6054R2	New Threshold Event Recording & New Steady State Operation				
		Avoidance Range Limit				



# AD NOTE AND CEB COMPLIANCE MODIFICATION RECORD ENGINE ASSEMBLY

Part III  
Page No. 2

Engine Serial Number CAE847843 Model RR250-C47M

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
21NOV07	AD 2006-20-07	To Prevent Loss of Power, Possible Eng Shutdown or Uncontained Failure	<b>ACROMELIPRO</b> GLOBAL SERVICES	
21NOV07	CSL 6003 R6	Model 250 Reporting		
21NOV07	CSL A-6012 R5	NI Shafting Inspection		
21NOV07	CSL 6067	Release of New Gearbox Vent Tube		
21NOV07	CEB 73-6034, 73-6039, A73-6042, AD 98-10-13, 2004-24-04 - Found Previously	complied with		231-91 SCA 7-15
8/13/14	CEB 72-6021	RELEASE NEW NO.1 BEARING SCAVENGER TUBE		YRR4491L
8/13/14	CEB 72-6004	ELECTRICAL HARNESS CLAMPING		YRR4491L
8/13/14	CEB 72-6009	ENGINE OF MOPHA1 CONVERSION (C47M TO C47B)		YRR4491L
8/13/14	73-6054	ONE TIME TORQUE OF METERING HEAD REQ. COVER BOLTS		YRR4491L
8/13/14	CSL-A-6142	#2 BEARING INSTALLING INFORMATION		YRR4491L
9/30/14	72-6008	NEW HARNESS AND ANTI-ICE TUBE		YRR4491L

WARRANTY

BON DE SORTIE AUTORIS

AC 24-0078





# INSPECTION - MAINTENANCE - OVERHAUL RECORD ENGINE ASSEMBLY



Part IV  
Page No. 1

GT-2784AT

Engine Serial Number CAE-847843 Engine Model 250C47M

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
10-31-97	NEW	0.0	FUEL SYSTEM PRESERVED WITH MIL-0-6081 OIL.	<i>[Signature]</i>	ALLISON
04-17-98	NEW	0.0	ENGINE SERVICED WITH MOBIL JET OIL II PER ALLISON OPERATIONS AND MAINTENANCE MANUALS FOR C-47 SERIES ENGINES	<i>[Signature]</i>	MDHS
04-29-98	NEW	5.0	28 CYCLES COMPLETED DURING PRODUCTION FLIGHT TEST.	<i>[Signature]</i>	MDHS
05-28-99	148	148	Replaced Eng CFPA fuel filter due to bypass indicator button popped, performed fuel System Air purge procedure IAW CSP 21004. Ground check for leaks and bypass OK	<i>[Signature]</i> ARP 430177150	U.S. B.P

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
6-6-99	148	148	Replaced Engine Lube filter CEFA PN 23063144 due to bypass indicator button popped. MOC OK	Michael A. Egan 430177150 APP	U.S.B.P
6-30-99	149.9	149.9	Replaced burner can due to stripped out threads for drain valves	EAC f.f. 421049895 APP	USBP
7-16-99	149.9	149.9	Performed a 150 hour inspection Allison inspection guide. Burner can was not for repair due to stripped out drain fittings. Replaced replacement burner can. Replaced drain shims SN VGALM0486 with burner SN VGAW0050. EAC f.f. 421049895 APP	EAC f.f. 421049895 APP	



GT-2784A (5/95)

# INSPECTION - MAINTENANCE - OVERHAUL RECORD ENGINE ASSEMBLY



Part IV  
Page No. 3

Engine Serial Number CAE- 847843

Engine Model 250- C47M

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
5-2-00	300.4	300.4	Performed a 150 hour inspection in accordance with Allison inspection guide. Changed oil, performed compressor washer. E.C.F. AP421049495		
6-13-00	371.8	371.8	Complied with CEB 73-6029 CEFA upgrade, by installing upgraded CEFA PN: 23P 66481 SN: VK-0377. E.C.F. AP421049495		
6-16-00	371.8	371.8	Replaced Hull Assy due to RUVS. SW: J6A1M0377 PN: 25072725 RUVS. SW: J6A1M0377 PN: J6A1M0377. E.C.F. AP421049495		
2-21-01	751.6	751.6	Performed a 150 hour inspection in accordance with Allison inspection guide. E.C.F. AP421049495		



GT-2784A (5/95)

# INSPECTION - MAINTENANCE - OVERHAUL RECORD ENGINE ASSEMBLY



Part IV  
Page No. - 4

Engine Serial Number CAE-847843

Engine Model 250-C47

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
12 DEC 00	600.7	600.7	Performed a 150/300 hr inspection w/ w/o Allison		Allison
			Inspection guides replaced Oil filter, CIFA filters, Compressor Wash Performed Oil Drain/Flyshed Serviced.		
			w/ # 9001-0311		
13 Feb 01	738	738	Replaced Exciter unit PHN: 23064130 installed		
			Exciter unit SN B-C-5341 Michael H Green		ASP48017250
2-21-07	751.6		<del>other side</del>		

WARRANTY

BON DE SORTIE AUTORISÉ

24-0078

Date	Engine S/N	Reg. #	Since OH	Total	Date	Since OH	Total	Reason

GT-11778(F) 9/98

... to USA per contract ...  
 Michael H. ...  
 ADP 43017150



# INSPECTION - MAINTENANCE - OVERHAUL RECORD ENGINE ASSEMBLY

Part IV 4  
Page No. - 4



GT-2784A (5/95)

Date	P/N	Accy. Time		Remarks	Signature and Certificate No.
		Since OH	Total		
17 Aug 00		449.9	449.9	150 hrs inspection completed I/A/G/A Allison inspection guide.	
				<b>MAINTENANCE RELEASE FORM (MCA-MREL)</b> The aircraft, airframe, aircraft engine identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulation and is approved for return to service.	
				Pertinent details of the repair are on file at this repair station under work order no. <u>9001-0221</u>	
				Date <u>Aug 8 - 2000</u>	
				Signed <u>Michael P. Green</u>	
				for <u>McAllen Air Operations-Certificate No. QMNR873L</u> <u>United States Border Patrol</u> <u>2601 Hangar Lane Hangar 32-B</u> <u>McAllen, Texas 78503</u> <u>(956) 630-0806</u>	

GT-11778(B)




# INSPECTION-MAINTENANCE OVERHAUL RECORD ENGINE ASSEMBLY

Engine Serial Number CAE847843 Model RR250-C47M

Date	TSN		TSO		Remarks	Signature	Organization
	CSN	CSN	CSO	CSO			
7/25/01	900.00	900.00	900.00	900.00	150 hour inspection completed in accordance with Roll-Rite's C47M inspection checklist. Changed oil. Engine was inspected in accordance with a 150 hour inspection and was determined to be in an airworthy condition. E.C.F. RR4204988		
7/31/01	903.3				Replaced bleed valve assy. E.C.F. RR4204988		
10/16/01	1018.0		1018.0		Removed FADEC Harness assy, Engine Electrical P/N 23064230		P/N 23064230
					S/N 0076 as a precaution after System Hand fault.		
						Michael H. Son	ADP43017150



# INSPECTION-MAINTENANCE OVERHAUL RECORD ENGINE ASSEMBLY

Engine Serial Number CAE847843 Model RR250-C47M

Date	TSN		TSO		Remarks	Signature	Organization
	CSN		CSO				
					<i>Missing? Greases 410 4/10/96 SHT</i>		
							)
							)



# INSPECTION-MAINTENANCE- OVERHAUL RECORD ENGINE ASSEMBLY

250- C47M  
Engine Model

Serial Number ( CAE-847843

Eng. TT	TSO	Remarks	Signature	Organization
Eng. TC	CSO			
1199.1	1199.1	e/w 150 hr. inspection in accordance with Rolls Royce inspection check list. changed oil, added 254 oils. I certify that this engine has been inspected in accordance with bid - 150 hour inspection & was determined to be in airworthy condition. Sooty IA38866320		
1351.1	1351.1	Engine removed from RN 034 (N105BP) due to excessive impeller compressor blade damage.		
		<del>No further entries this page</del>		



# INSPECTION-MAINTENANCE- OVERHAUL RECORD ENGINE ASSEMBLY

Part IV  
Page No. 8

Engine Serial Number CAE 847842 Engine Model 250-c47m

Date	Eng. TT		TSO		Remarks	Signature	Organization
	Eng. TC	TSN	CSO	CSN			
APRIL 25, 2003		1351.1	NEW		<p style="text-align: center;">WORK ACCOMPLISHED</p> <p>INSPECTED AND REPAIRED FOR EROSION AND FOD TO COMPRESSOR, ACCOMPLISHED A TURBINE AND COMBUSTION SECTION OVERHAUL, ENGINE FUNCTIONALLY TESTED AND PRESERVED I.A.W. CURRENT ROLLS ROYCE OVERHAUL MANUAL #CSP22001, 2<sup>nd</sup> EDITION, 3<sup>rd</sup> REVISION. INSTALLED FAA-PMA N1 SPLINED ADAPTER, P/N E23030974, S/N DG6-059; SPLINE LOCK NUT P/N E6896408, S/N LOT #5351; N1 COUPLING, P/N E23032345, S/N SG1-139; N2 COUPLING, P/N E6889069, S/N SG11-127; FLAT WASHER, P/N E6848996-2, S/N LOT #5489; SPANNER NUT, P/N E6840406, S/N LOT #5567; HELICAL GEAR, P/N E6893672, S/N SG12-074; AND SERRATED SEAL, P/N E23030978-1, S/N LOT #3712. PERTINENT DETAILS OF THIS REPAIR ARE FILED AT THIS REPAIR STATION UNDER WORK ORDER #TR0955.</p>	<p><i>S. Johnson</i></p>	<p>DALLAS AIRMOTIVE, INC. YRRR491L</p>
		1000	NEW				
12-29-2003	1351.1				INSTALLED IN N6043P - A/c 7/H = 2099.3		
10-31-2005	2251.8				HMU S/N JGALM0701 Removed E INSTALLED - mnd Brinn		S/N JGALM0701 7562491

DALLAS AIRMOTIVE RR-250CEBICSLAD NOTE ACCOMPLISHMENT RECORD



# INSPECTION-MAINTENANCE-OVERHAUL RECORD

## ENGINE ASSEMBLY

Engine Serial Number **CAE 842843** Engine Model **250-C42M**

Date	Eng. TT	Eng. TC	TSO	Remarks	Signature	Organization
------	---------	---------	-----	---------	-----------	--------------

DATE	TSN	CSN	CSO	WORK ACCOMPLISHED	SIGNATURE	ORGANIZATION
APRIL 25, 2003	NEW 1351.1	NEW 1000	NEW	<p>INSPECTED AND REPAIRED FOR EROSION AND FOD TO COMPRESSOR, ACCOMPLISHED A TURBINE AND COMBUSTION SECTION OVERHAUL. ENGINE MANUALLY TESTED AND PRESERVED I.A.W. CURRENT ROLLS ROYCE OVERHAUL MANUAL #CSP22001, 2<sup>nd</sup> EDITION, 3<sup>rd</sup> REVISION. INSTALLED FAA-PMA N1 SPUNED ADAPTER, P/N E23030874, S/N DG8-059; SPLINE LOCK NUT P/N E6886408, S/N LOT #5351; N1 COUPLING, P/N E23032345, S/N SG1-139; N2 COUPLING, P/N E6889069, S/N SG1-127; FLAT WASHER, P/N E6848996-2, S/N LOT #5489; SPANNER NUT, P/N E6840408, S/N LOT #5507; HELICAL GEAR, P/N E6893672, S/N SG12-074; AND SERRATED SEAL, P/N E23030878-1, S/N LOT #3712. PERTINENT DETAILS OF THIS REPAIR ARE FILED AT THIS REPAIR STATION UNDER WORK ORDER #TR0855.</p>	<p><i>S. Johnson</i></p>	<p>DALLAS AIRMOTIVE, INC. YRRR491L</p>

DALLAS AIRMOTIVE RR-250CEB/CS/LAD NOTE ACCOMPLISHMENT RECORD						
DATE	TSN	CSN	CSO	REMARKS	SIGNATURE	ORGANIZATION
12-29-2003	1351.1	1000	1000	<p>INSTALLED IN N604BP - ALC TT = 2099.3</p>	<p><i>[Signature]</i></p>	<p>DALLAS AIRMOTIVE, INC.</p>
10-31-2005	2257.8			<p>HML S/N E6ALM CIVL REPAIRED &amp; S/N J6ALM CIVL 76/2 2491</p>	<p><i>[Signature]</i></p>	<p>DALLAS AIRMOTIVE, INC.</p>

DAL 250 CEB CIL AD Note Form.doc



# INSPECTION-MAINTENANCE OVERHAUL RECORD ENGINE ASSEMBLY

Date	TSN	CSN	CSO	Remarks	Signature	Organization
01-13-2002	2351.8			Performed 100 Hr. inspection (hrs falls below C47m inspection check list. Replaced oil with motor oil. I believe that the engine is in excellent condition. Oil 100 Hr insp - as due	<i>[Signature]</i>	ACROHELICOPTERS
7 Nov 02	2652.0			Repaired & Tested IAW CSP22001, E2, R8, dated 15SEP07. 150, 300 & 2000 Hour Inspections c/o IAW CSP 21004, E1, R10, dated 15SEP07. AHSS W/O# 27-20375.	<i>[Signature]</i>	ACROHELICOPTERS
21NOV07	2819.8	1394	NEW			
			NEW			

NEXT PAGE

Engine Serial Number CAE847843 Model RR250-C47M

Date: 30-Sep-2014

W/O #: RPR36040 Signed: RICHARD JOHNSON

*Richard Johnson*

For Dallas Airmotive, Incorporated CRS YR4491L

on file at this FAA Certified Repair Station.

This certifies that the work requested by the customer and described on the sales order listed below was accomplished and inspected with reference to instructions for continued airworthiness, other data acceptable to the FAA and current FAA regulations, and with respect to the work performed, is approved for return to service. Pertinent details of this repair are

Performed Engine conversion, from C47M to C47B, changed Engine P/N to 23063392, changed Gearbox P/N to 23063393 and removed ECU P/N 23072949 S/N JG8ALW0078 with reference to Rolls Royce manual CSP22001 Edition: 2 Revision: 14 Dated: September 15, 2013 (including up to TRER14-72-2 dated May 15, 2014) and other data and methods approved by the administrator. Note #1: ECU was not replaced this visit. Note #2: The following Bulletins and Letters were complied with this visit, CEB-72-6021, CEB-72-6004, CEB-73-6054, CEB-72-6009, CEB-72-6008 and CSL-A-6142. (Entry revised 30-Sep-2014.)

21625 N. Central Avenue, Ste 104  
Phoenix, Arizona 85024  
(623) 824-7961



**DallasAirmotive**  
A BBA Aviation company

Engine Model M250-C47B  
Engine S/N CAE847843  
TC: 1394  
TT: 2819.8  
TSO: NEW  
CSO: NEW

# INSPECTION-MAINTENANCE OVERHAUL RECORD ENGINE ASSEMBLY



**INSPECTION-MAINTENANCE  
OVERHAUL RECORD  
ENGINE ASSEMBLY**

Engine Serial Number CAE847843

Model RR250-C47R B

CRS# TU3R880L

Date	TSN	CSO	TSN	Remarks	Signature	Organization
	TSN	CSN	TSN			
17 Sep 14	2,819.80	CSN	1,394	Performed Acceptance Test, Passed.		
				All work I/A/W R.R. O/H/M GSP22001		
				2nd Ed. 14th Rev. dated 15 Sep 2013		
				thru T.R. E2R14-72-2 dated 15 May 2014.		
				Performed Engine Preservation Exceeding		
				45 days. All work I/A/W R.R. O/M/M		
				GSP21001 2nd. Ed. 17th Rev. dated		
				I Sep 2014. Section 72-00-00 Engine-		
				Storage Para. 2. B. and 2. C. details		
				on file under A.S.I. W.O. # E65657.		A.S.I. Services

**INSPECTION-MAINTENANCE  
OVERHAUL RECORD  
ENGINE ASSEMBLY**

Engine Serial Number CAE847843 Model RR250-C47R-B

Date	TSN	Remarks	Signature	Organization
	CSN			

BON DE SORTIE AUTORISE  
1. Copier le numéro de série du moteur de la fiche de maintenance









F-2785AT

**ASSEMBLY RECORD  
ENGINE ASSEMBLY**

Part V  
Page No. 1

Engine Serial Number CAE-847843 Engine Model 250-C47M

Nomenclature	Part Number	Serial Number	Date		Reason
			EMTT	TSO	
			INSTALLED	REMOVED	
GEARBOX	23066745	CAG-47843	10-31-97	0.0	MARCH 5, 2003 NEW
COMPRESSOR	23065593	CAC-44413	"	0.0	MARCH 5, 2003 NEW
TURBINE	23063354	CAT-44386	"	0.0	MARCH 5, 2003 NEW
COMPRESSOR	23065593	CAC44413	APRIL 25, 2003	1351.1	6/18/2014 NEW
TURBINE	23063354	CAT44386	APRIL 25, 2003	1351.1	13AUG07 2819.8 CONVEN- 1468.7
GEARBOX	23066745	CAC47843	APRIL 25, 2003	1351.1	6/18/2014 NEW
Turbine	23063354	CAT-44386	21NOV07	0.0	6/18/2014 2819.8 CONVEN- 1468.7
<i>NEXT PAGE</i>					



# ASSEMBLY RECORD ENGINE ACCESSORIES



GT-2786C

Part VI  
Page No. 1

Engine Serial Number CAE- 847843      Engine Model 250-C47M

Nomenclature	Part Number	Serial Number	Engine	
			Date	Reason
FADEC ASSY	23068338	JG6ALW0018	10-31-97	NEW
HYDROMECHANICAL UNIT <i>Removal</i>	23068651	JGALM0486		NEW
FUEL NOZZLE	6899001	IOM006705		NEW
BLEED VALVE	23005366	PF57409		NEW
FADEC Assy	23070259	JGALW0030	9-29-98	NEW
Hydromechanical Unit (Lower)	23072208	JGALM0377	7-15-99	NEW
Combined Engine Filter Ass'y (CEFA)	23066691	JK-0377	6-13-00	NEW
HYDROMECHANICAL UNIT	23072725	JGALM0319	3-15-02	NEW
BLEED VALVE	23005366	PF36837	7/31/01	NEW
FADEC Assy	23070259	JG6ALW0061	2/13/02	NEW
FADEC Assy	23070259	JG6ALW0061	11/22/06	NEW
Alc Transfer	1357.1		11/15/2003	NEW
	1095.3		11/13/02	NEW
	1155.4		3-15-02	NEW
	921.8		6-16-00	NEW
	921.8		6-13-00	NEW
	1018.3		6-13-00	NEW
	1018.3		6-13-00	NEW
	12.9		9-29-98	NEW
	903.3		7-31-01	NEW
	149.8		7-16-99	NEW
	149.9		7-16-99	NEW
	5.0		9-29-98	NEW
Reason	ENG TT		Date	Reason
	ENG TT		Date	Reason
ENG REMOVED				FOUND NOT INSTALLED MARCH 5, 2008 TT: 1351.1
				NO FUEL OUT LET INSTALLED
				ENGINE SURGES
				WARRANT WORK PRT
				FOR REVISION IMPROVEMENT



GT-2786C

**ASSEMBLY RECORD  
ENGINE ACCESSORIES**

Part VI  
Page No. 2

Engine Model 250-C47M

Engine Serial Number CAE-847843

BON DE SORTIE AUTORISÉ

Nomenclature	Part Number	Serial Number	Date		Reason
			Instal	Remov	
Hydro-mechanical	23072725	JGALM0176	11/5/02	NEW	2251.8
FUEL NOZZLE	6899001	1UM08002	APRIL 25, 2003		
FADEC (ECU)	23070259	F67ALW0061	12/15/2003	1840.1	1840.1
Bleed Valve	23070259	FF23603	1/13/02	1095.3	2251.8
FADEC (ECU)	23070259	JG6ALW0002	29 Sept 2004	1840.1	2971.9
BLEED VALVE	23005366	FF58509	11 Nov 2005	2251.8	
Hydro-mechanical	23078031	JGALM0112	7 Oct 2005	2253.4	2253.4
Hydro-mechanical	23078031	JGALM0461	31 Oct 2005	2253.4	2253.4
H M U	23078031	ALM0040	21 NOV 07	2819.8	2819.8
ECU	23072949	JG6ALM0078	21 NOV 07	2819.8	2819.8
				1037.4	
				17 Aug 12	
				05/25/07	
				31 Oct 2005	
				17 Aug 12	
				05/25/07	
				1037.4	







Date	TSO	Date	Reason
10-31-97	0.0	MARCH 5, 2003	TC: 1000 REPAIR EROSION/FOD
APRIL 25, 2003	1351.1	13AUG07	NEW 2819.8
21NOV07	2819.8	6/18/14	NEW 2819.8
8/13/14	2819.8		NEW

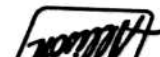
Oil Temp Exceedance  
C/W CFB-72-6067





X		D ADAPTER
Recurring	ONE TIME	RECTIVES ACCOMPLISHED TITLE
	SEE ENCLOSED LIST	
One Time	Method of Compliance	





**INSPECTION - MAINTENANCE - OVERHAUL RECORD**  
**COMPRESSOR ASSEMBLY**

Compressor Serial Number CAC- 44413 Engine Model 250-C47M B

Date	Compressor Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
APRIL 25, 2003	1351.1	NEW	INSPECTED AND REPAIRED FOR EROSION AND FOD TO COMPRESSOR, ENGINE FUNCTIONALLY TESTED AND PRESERVED I.A.W. CURRENT ROLLS ROYCE OVERHAUL MANUAL #CSP22001, 2 <sup>nd</sup> EDITION, 3 <sup>rd</sup> REVISION, PERTINENT DETAILS OF THIS REPAIR ARE FILED AT THIS REPAIR STATION UNDER WORK ORDER #TR0955.	<i>B.A. Johnson</i>	ACRONHURR
21NOV07	2819.8	NEW	Repaired & Tested IAW CSP 22001, E2,		
			CSN: 1394		
			RB, dated 15SEP07, AHGS W/O# 27-20376		

NEXT PAGE

ACRONHURR  
 231-91  
 8CA  
 1-18

Date: 13-Aug-2014

W/O #: RPR36040

Signed: RICHARD JOHNSON

*Richard Johnson*

For Dallas Airotive, Incorporated CRS YR4491L

Complied with CEB-72-6067, Bearing installed is P/N M250-10354 S/N FAG136654 with reference to Rolls Royce manual CSP22001 Edition: 2 Revision: 14 Dated: September 15, 2013 (including up to TR2R14-72-2 dated May 15, 2014) and other data and methods approved by the administrator. Note: The following Bulletins and Letters were compiled with this visit, CEB-72-6067, CEB-72-6009 and CSL-A-6142.

This certifies that the work requested by the customer and described on the sales order listed below was accomplished and inspected with reference to instructions for continued airworthiness, other data acceptable to the FAA and current FAA regulations, and with respect to the work performed, is approved for return to service. Pertinent details of this repair are on file at this FAA Certified Repair Station.

21625 N. Central Avenue, Ste 104  
 Phoenix, Arizona 85024  
 (623) 824-7961



Engine Model M250-C47B  
 Compressor S/N CAC-44413  
 Compressor Times  
 TT: 2819.8 TSO: NEW  
 TC: 1394 CSO: NEW

Date	Compressor Time Since OH	Compressor Time Total	Remarks	Signature and Certificate No.	Organization

Compressor Serial Number CAC-44413  
 Engine Model 250-C47B  
 Part IV Page No. 3

**Inspection - Maintenance - Overhaul Record**  
**Compressor Assembly**  
 **Rolls-Royce**

# Inspection - Maintenance - Overhaul Record

## Compressor Assembly

Part IV  
Page No. \_\_\_\_\_

Engine Model 250- (47B)

CAC-44413

Compressor Serial Number \_\_\_\_\_

Date	Compressor Time		Remarks	Signature and Certificate No.
	Since OH	Total		











# CYCLE RECORD COMPRESSOR ASSEMBLY

Part VI  
Page No. \_\_\_\_\_

Serial Number CAC- 44413 Engine Model 250- C47M

INSTALLED				REMOVED			
Date	Compressor TT	Cycle Count		Date	Compressor TT	Cycle Count	
		Current Cycles	Cycle Limit			Current Cycles	Cycle Limit
		Engine CYCLES at Installation				Engine CYCLES at Removal	
10-31-97	0.0			MARCH 5, 2003	1351.1	1000	1000
APRIL 5, 2003	1351.1	1000	1000	13AUG07	2819.8	CSN: 1394	
21NOV07	2819.8	CSN: 1394 CYC rem: 1406					

M  
1-17  
23

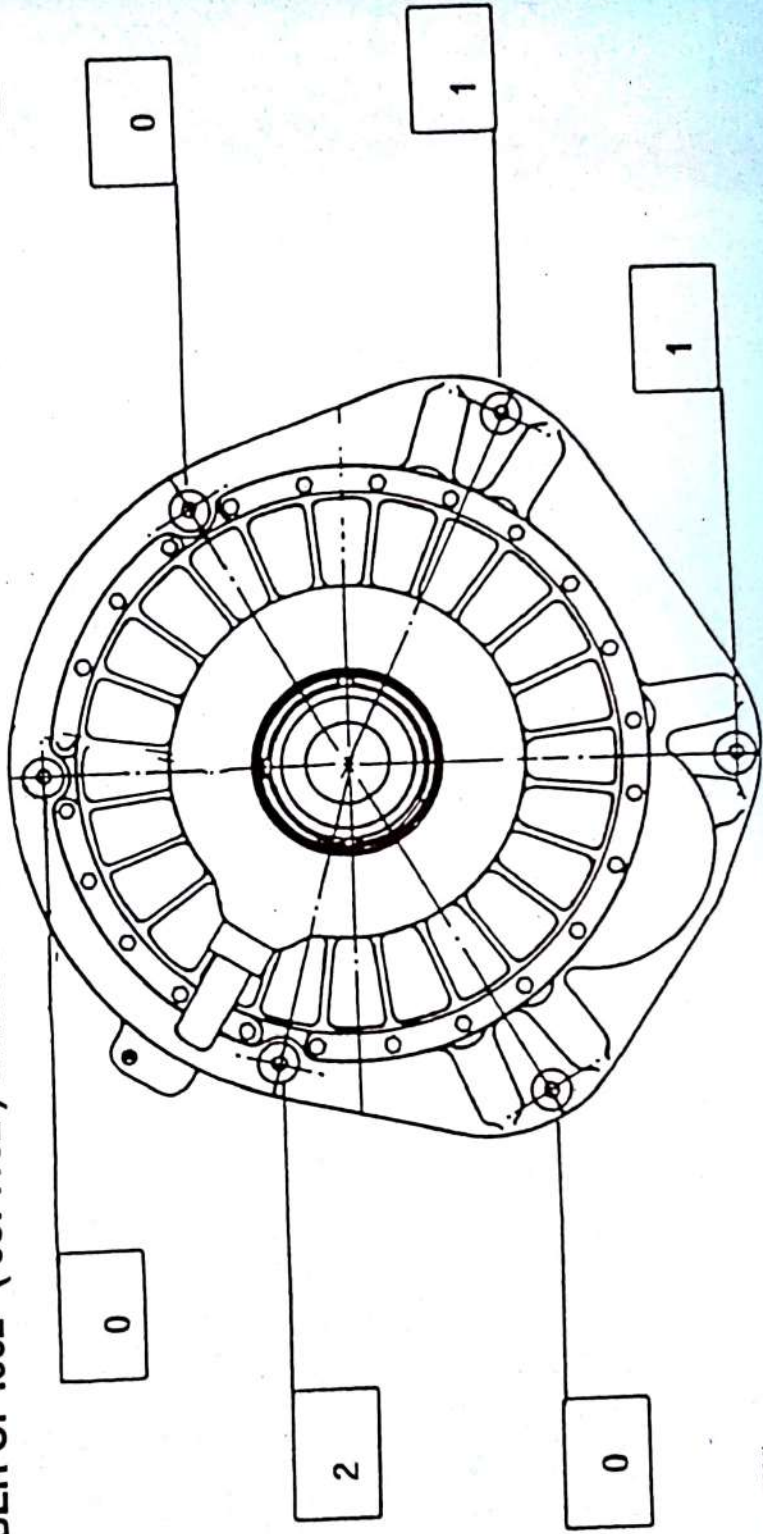


**ACROHELIPRO Global Services Inc.**  
**SHIM RECORD CARD**  
**SERIES III & IV COMPRESSOR ASSEMBLY**



Compressor Serial Number CAC-44413 Engine Model 250-C47M  
AGS W/Off 27-20376 (21NOV07) 231-91  
SCA  
I-15

**NUMBER OF .002" ( 6871162 ) SHIMS REQUIRED.**



ALLED

TT

TSO

0.0

NEW

1351.1

NEW

2819.8

NEW

2819.8

new



COMPLIANCE DATE		CEB/CSL BULLETINS AND/OR AIRWORTHINESS DIRECTIVES ACCOMPLISHED TITLE	ONE TIME	RECURRING
APRIL 25, 2003	CEB-72-6028	NEW HELICAL TORQUEMETER GEARSHAFT AND RETAINING RINGS		
APRIL 25, 2003	CEB-72-6043	RELEASE OF REWORK AND RE-IDENTIFIED LIP SEALS		
APRIL 25, 2003	CSL-6082	HYDRODYNAMIC LIP SEALS INSPECTION		
DALLAS AIRMOTIVE RR-250CEB/CSL/AD NOTE ACCOMPLISHMENT RECORD				
	W/O #TR0955	TT:1351		
	8/13/14	ENGINE OR MOTOR (CONVERSION)		
	2819.8	6473		X

11/CEB  
~~72-6043~~-72-6009

ENGINE OR MOTOR  
 CONVERSION (47M TO)  
 6473





DATE ACCOMPLISHED	TSN	TSO	WORK ACCOMPLISHED	SIGNATURE	DATE
APRIL 25, 2003	1351.1	NEW	INSPECTED AND REPAIRED FOR EROSION AND FOD TO COMPRESSOR, ENGINE FUNCTIONALLY TESTED AND PRESERVED I.A.W. CURRENT ROLLS ROYCE OVERHAUL MANUAL #CSP22001, 2 <sup>ND</sup> EDITION, 3 <sup>RD</sup> REVISION. INSTALLED FAA-PMA HELICAL GEAR, P/N E6893672, S/N SG12-074. PERTINENT DETAILS OF THIS REPAIR ARE FILED AT THIS REPAIR STATION UNDER WORK ORDER #TR0955.	<i>D. Johnson</i>	

DAI 250 WORK ACCOMPLISHED

DALLAS AIRMOTIVE RR 250 CERTIFICATE OF WORK ACCOMPLISHED

21NOV07	NEW	2819.8	Repaired & Tested IAW CSP 22001, E2, R8, dated 15SEP07. AHGS W/O# 27-20377.	<i>James [Signature]</i>


ACROHELIPRO

1094 STURKEY







AD #	Applicable CEB #	Date		Method of Compliance	One Time	Recurring	Next Comp. Date		Signature and Certificate Number
		Hours @ Comp.	@ Comp.				Next Comp. @ Hrs	Hrs	
SEE ENCLOSED LIST									
COMPLIANCE DATE	CEB/CSL BULLETINS AND/OR AIRWORTHINESS DIRECTIVES ACCOMPLISHED TITLE	ONE TIME	Recurring	NEXT COMP. DATE/HOURS	SIGNATURE AND ORGANIZATION				
APRIL 25, 2003	CEB-72-6023 RECOATING OF INNER POWER TURBINE SHAFT				S.A. Johnson DALLAS AIRMOTIVE #YD0001451L				
APRIL 25, 2003	CEB-A-72-6037 INSPECT/REPLACE 1ST STAGE NOZZLE SHIELD (INSTALLED P/N 23073566 N/A TO REPETITIVE INSPECTION)		X	N/A	S.A. Johnson DALLAS AIRMOTIVE #YD0001451L				
APRIL 25, 2003	CSL-A-6012 N1 SHAFTING INSPECTION		X	TT: 3351.1	S.A. Johnson DALLAS AIRMOTIVE #YD0001451L				
DALLAS AIRMOTIVE RR-250CEB/CSL/JAD NOTE ACCOMPLISHMENT RECORD W/O #TR0955 TT:1351.1									
	CEB 72-6020 R1	21NOV07 2819.8		GP Turbine Support - Replace	X				AGROHELIPRO SUBSIDIARY SERVICES 
	CEB A72-6037 R3	21NOV07 2819.8		Insp & Replacement of #1 Nozzle Shield	X				



# AD NOTE COMPLIANCE AND CEB MODIFICATION RECORD TURBINE ASSEMBLY



Turbine Serial Number CAT- 44386 Engine Model 250- C47M

AD #	Applicable CEB #	Date Hours @ Comp.	Method of Compliance	Recurring		Next Comp. Date Next Comp. @ Hrs	Signature and Certificate Number
				One Time			
	CEB A72-6048 R3	21NOV07 2819.8	Insp of #4 Turbine wheels (230655744)	<input checked="" type="checkbox"/>			<b>ACROHELIPRO</b> GT-2788AT-44386
	CEB A72-6050 R2	21NOV07 2819.8	Insp of RR Model 250-C47B #3 Turb wheels (6898663)	<input checked="" type="checkbox"/>			
	CEB 72-6051	21NOV07 2819.8	Release of New #2 Turbine Splined Adapter & Splined Lock Nut	<input checked="" type="checkbox"/>			
	CEB A72-6054 R2	21NOV07 2819.8	New Threshold Event Recording & New Steady-State Operation Avoidance Range Limit	<input checked="" type="checkbox"/>			
2006-20-07		21NOV07 2819.8	To Prevent Loss of Power, Possible Eng Shutdown or Uncontained Failure	<input checked="" type="checkbox"/>			
	CSL A-6012 R5	21NOV07 2819.8	M1 Shafting Inspection	<input checked="" type="checkbox"/>			

231-97  
SCA  
T-15

*[Handwritten Signature]*

*accro*

# Ad Note Compliance And Ceb Modification Record Turbine Assembly



## Rolls-Royce

Part III  
Page No. 3

Turbine Serial Number CAT-44386 Engine Model 250-C47M

AD #	Applicable CEB #	Date		Method of Compliance	Recurring		Signature and Certificate Number
		Hours @ Comp.	Next Comp. Date Next Comp. @ Hrs		One Time	Next Comp. Date Next Comp. @ Hrs	
	CEB A72-6060 R2	21NOV07		N/A to shaft fitted (KU95542)		X	<i>[Signature]</i> 2314 SCA 7-15
	CEB 72-6009	8/13/14		ENGINE OR MODULE CONVERSION (E47M To E47B)		X	422491L <i>[Signature]</i>
		2819.8					

**AD NOTE COMPLIANCE AND  
CEB MODIFICATION RECORD  
TURBINE ASSEMBLY**



**Rolls-Royce**

Part III

Page No. \_\_\_\_\_

Turbine Serial Number \_\_\_\_\_ CAT- \_\_\_\_\_ Engine Model 250-

AD #	Applicable CEB #	Date		Method of Compliance	Recurring		Next Comp. Date		Signature and Certificate Number
		Hours @ Comp.	Hours @ Comp.		One Time	Next Comp. @ Hrs	Next Comp. @ Hrs		





F-2784D (5/95)

# INSPECTION - MAINTENANCE - OVERHAUL RECORD TURBINE ASSEMBLY



Part IV

Page No. \_\_\_\_\_

Turbine Serial Number CAT- 44386

Engine Model 250- C47M

Date	Turbine Time			Remarks	Signature and Certificate No.	Organization
	Since OH	TSO	Total			
APRIL 25, 2003	TSN CSN 1351.1 1000	TSO CSO 00.0 ZERO		WORK ACCOMPLISHED  ACCOMPLISHED A TURBINE AND COMBUSTION SECTION OVERHAUL, ENGINE FUNCTIONALLY TESTED AND PRESERVED I.A.W. CURRENT ROLLS ROYCE OVERHAUL MANUAL #CSP22001, 2 <sup>ND</sup> EDITION, 3 <sup>RD</sup> REVISION. TIE BOLT P/N 23008030, S/N NC75460, FREE LENGTH: 7.377, ACTUAL STRETCH: 7.393. INSTALLED FAA-PMA N1 SPLINED ADAPTER, P/N E23030974, S/N DG6-059; SPLINE LOCK NUT P/N E6896408, S/N LOT #5351; N1 COUPLING, P/N E23032345, S/N SG1-139; N2 COUPLING, P/N E6889069, S/N SG11-127; FLAT WASHER, P/N E6848996-2, S/N LOT #5489; SPANNER NUT, P/N E6840406, S/N LOT #5567. PERTINENT DETAILS OF THIS REPAIR ARE FILED AT THIS REPAIR STATION UNDER WORK ORDER #TR0955.	<i>S.A. Johnson</i>	ORGANIZATION
DALLAS AIRMOTIVE RR 250 CERTIFICATE OF WORK ACCOMPLISHED						
21NOV07	0.0	2819.8		Overhauled & Tested IAW CSP 22001, E2, R8, dated 15SEP07. AHGS W/O# 27-20378.		
		csn: 1394				

DAI 250 WORK ACCOMPLISHED CERTIFICATE.00C

231-91  
3CA  
7-15

**ACROMHELEPRO**  
GLOBAL SERVICE

*James D. ...*



F-2784D (5/95)

# INSPECTION - MAINTENANCE - OVERHAUL RECORD TURBINE ASSEMBLY



Part IV  
Page No. 4

Turbine Serial Number CAT-44386 Engine Model 250-C47XB

Date	Turbine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			

2ND STG. WHL.	23032280	"	0.0	0.0
	HX127108			
3RD STG. WHL.	6898663	"	0.0	0.0
	HX91771R			
4TH STG. WHL.	23066744	"	0.0	0.0
	HX73975			
1ST STAGE WHEEL	23053299	APRIL 25, 2003	1000	NEW
	X512840			
2ND STAGE WHEEL	23032280	APRIL 25, 2003	1351.1	NEW
	X518770			
3RD STAGE WHEEL	6898663	APRIL 25, 2003	1351.1	1351.1
	HX91771R			
4TH STAGE WHEEL	23066744	APRIL 25, 2003	1000	1000
	HX73975			









**Rolls-Royce**

# LIFE LIMITED PART LOG CARD

LIFE LIMITED PART NAME		3RD STAGE WHEEL		PART NUMBER		SERIAL NUMBER			
Date Installed	Date Removed	Engine and Module S/N	Engine Model	Hours	Cycles	Overspeed Events * (as app)	Comments	Signature And Certificate #	
31 OCT 97		CAE-847843 CAT-44386	250- C47M	NEW	0				

\*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.  
 GT-12017 (4-05)



**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			SERIAL NUMBER		
Date Installed	Date Removed	Engine and Module S/N	Engine Model	Hours	Cycles	Overspeed Events * (as app)	Comments	Signature And Certificate #		
31 OCT 97		CAE-847843 CAT-44386	250-C47M	NEW	0					

\*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.  
 GT-12017 (4-05)



**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 #

Date	Engine S/N	A/C S/N		Accy. Time	
		Reg. #	Since OH	Total	Total
5-23-96	XCAE-847019	R1004	NEW	0.0	
4/28/97	CAE844013	49007		31.2	
2/16/99	CAE-847838	RN038	NEW	244.2	
11-04-99	CAE-847848	Rn-035 N606BP	NEW	455.5	
5-9-5	CAE-847848	RN-036 N607BP	0	2166.6	

~~NOT~~

Total

0.0

244.2

455.5

455.5

"

# Service Accessory Record



Rolls-Royce



Part I  
Page No. 2

Nomenclature HYDROMECHANICAL UNIT  
 Component serial number ALM0040

Engine Model 250-C47

Installed				Removed					
Date	Engine S/N	A/C S/N		Accy. Time		Date	Accy. Time		Reason
		Reg. #	Since OH	Since OH	Total		Since OH	Total	
5-9-05	CAE 847848	RJ036	0.0	0.0	2166.6	10-15-07	1165.2	3331.8	FAILED BACKWASH INSR. (BF GOODRICH 73-13)
21NOV07	CAE-847843	Not Inst. Not Inst.	1165.2 <del>3331.8</del> www	3331.8	3331.8	17AUG2012	1165.2	3331.8	Bench test required, unit out-for rental
<del>NOT USED</del>									

GT-11778(F) 5/00

Date	P/N	Accy. Time		Remarks	Signature and Certificate No.
		Since OH	Total		
4/29/05	23078031	0.0	2166.6	Overhauled and functionally tested IAW Manufacturer's Specifications. Details filed under MGN: SF1376001	ROLLS-ROYCE ENGINE SERVICES-OAKLAND, INC 7200 EARHART ROAD OAKLAND, CA 94621 REP. STA. NO VZ3R937L
				W/O: EA121760	<i>Jim R. Calzo</i>
				Complied with: CEB 73-6035 PMI-10013, CEB 73-6039 PMI I0020, CEB-A-73-6042	 5-3-05
				PMI I0024, CEB-73-6044 & CSL 6096 RI	
Nov. 14/07	23078031	1165.2	3331.8	<del>Backlash within Serviceable Limits. Function tested</del>	<del>_____</del>
				Serviceable IAW CMM CSP24009 Rev. 7 on AHG Sw/o 27-28180.	 <i>W. Wright</i>



**Service Accessory Record**

Part I

Nomenclature HYDRO MECHANICAL UNIT

Page No. 3

Component Serial Number ALM 0040

Engine Model 250- C47

Installed				Removed				
Date	Engine S/N	Engine TT	Accessory Time		Engine TT	Accessory Time		Reason
			Since OH	Total		Since OH	Total	
AUG. 31, 12	CAE - 847728	529.5 (529+33)	1165.2	3331.8	542.9 (542+54)	1178.5	3345.1	For removal
13 Aug 14	CAE- 847843	2,819.8	1178.5	3345.1				

Date	P/N	Accessory Time		Remarks	Signature and Certificate No.
		Since OH	Total		
AUG 21 2012	23078031 (114070-03A12)	11652	3331.8	<p>The product has been repaired and tested in accordance with Rolls-Royce Component Maintenance Manual CSP 24009 Edition 1 Revision 7 Dated 15/Jun/04. The product is approved for return to service. All pertinent details of the work are on file at this organization under W/O: <b>L254019</b></p> <p><b>CEB 73-6054R2: EMBODIED.</b></p>	<p><i>Ray Jensen</i> SAL-AMO #22-58</p> <p>SAL 858 QI</p>

GT-11778(B) 7/03













# SERVICE RECORD ACCESSORY

Part 1  
Page No. \_\_\_\_\_

P/N 6899001

Nomenclature \_\_\_\_\_ FUEL NOZZLE \_\_\_\_\_ Serial Number 1UM08002 Model RR250

INSTALLED				REMOVED			
Date	Installed on Engine S/N	ENG TSN	ACCY TSN	Date	ENG TSN	ACCY TSN	Reason
		ENG TSO	ACCY TSO		ENG TSO	ACCY TSO	
JUNE 5, 2003	CAE847843	1351.1 NEW	UNK 00.0	Aug. 13 2007	2819.8 New	N/K 1468.7	AD 2004-24-09 ✓






# AD NOTE AND CEB COMPLIANCE MODIFICATION RECORD ACCESSORY

Part III  
Page No. \_\_\_\_\_

P/N 6899001

Nomenclature \_\_\_\_\_ FUEL NOZZLE \_\_\_\_\_ Serial Number 1UM08002 \_\_\_\_\_ Model RR250

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization
Sept. 23 2007	ADJ004-27-09 A-73-66/1R1	New Filter Assy	 201-51 SPA 111	AHGS



# AD NOTE AND CEB COMPLIANCE MODIFICATION RECORD ACCESSORY

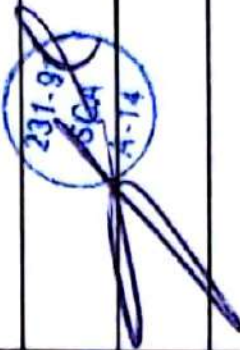
Part III  
Page No. \_\_\_\_\_

P/N 6899001

Nomenclature \_\_\_\_\_ FUEL NOZZLE \_\_\_\_\_ Serial Number 1UM08002 \_\_\_\_\_ Model RR250

Compliance Date	Bulletin or Directive No.	Title	Signature	Organization



TSN	TSO	Remarks	Signature
UNK	00.0	OVERHAULED AND TESTED I/A/W ROLLS ROYCE MANUAL	
		14W3. DELAVAN EXCHANGE. DETAILS ON FILE	
		UNDER DALLAS AIRMOTIVE, INC. W/O: C556664	<i>Robert Wright</i>
N/K	1468.7	Repaired and Tested JAW GMM CSP	
		22001 Rev. 8 on w/o 27-23630.	



# INSPECTION-MAINTENANCE OVERHAUL RECORD ACCESSORY

P/N 6899001

Nomenclature \_\_\_\_\_ FUEL NOZZLE \_\_\_\_\_ Serial Number 1UM08002 Model \_\_\_\_\_ RR: \_\_\_\_\_

Date	TSN	TSO	Remarks	Signature

377

Engine A

Method of Compliance

Replaced CEFA with  
upgraded CEFA



# Service Accessory Record

# H.E.R.O.S. Inc.

Part I

FAA CRS HEFR202K

Nomenclature :

Bleed Valve Assy

Page No. 1

Component Serial Number

FF 58589

Engine Model :

Rolls-Royce 250 - C30

Installed				Removed					
Date	Engine S/N	A/C S/N		Accy. Time		Date	Accy. Time		Reason
		Reg. #	Since OH	Since OH	Total		Since OH	Total	
11 Aug 2005	CAE 847P43	RN032 N60YBP	0.0		Unk	7-5-2007			OH TEMP EXCEEDED (136) 9

Date	Part Number	Accessory Time		Remarks	Signature and Certificate No.
		Since OH	Total		
26-Jun-02	23005366	0.0	Unk	Overhauled and functional tested in accordance with Overhaul Manual 14W3 under Work Order # 222280	H.E.R.O.S., Inc. FAA CRS HEFR202K
				<i>James M. Sauer</i>	<i>HEROS QA</i>

1. Approving National Aviation Authority/Country:

**UNITED STATES**

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

4. Organization Name and Address:

H.E.R.O.S., Inc.  
7117 Arlington Ave  
Unit "E"  
Riverside, CA 92503

Repair Station: HEFR202K

5. Work Order/Contract/Invoice Number:

**222280**

6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/Batch Number	12. Status/Work
001	Bleed Valve Assy	23005366	TBV BY Installer	1	FF 58589	OVERHAULED

13. Remarks \*\* In accordance with manual No. 14W3 2ND EDITION Rev:8 Date:Nov01-2001

Overhauled and functional tested.

TT: Unk TSO: 0.0

Work performed by Randy Laws

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 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:

21. Approval/Certificate No:

HEFR202K

17. Name (Type or Printed):

Heros Kajberouni Quality Assurance

22. Name (Typed or Printed):

23. Date (m/d/y):

Jun26-2002

## 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.

Statement 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.







TIME	TRAB BAR	TIME	DATE	TRAB BAR	DATE	DATA REQUIRED		GENERAL				HORSEPOWER				TEST			TURNS	COMPRESSION			CYLINDERS			OIL	VEHICLE	OIL CONSUMPTION					START	FINISH		
						TIME	TIME	MIN	IN	MIN	IN	MIN	IN	MIN	IN	MIN	IN	MIN		IN	MIN	IN	MIN	IN	MIN			IN	MIN	IN	MIN	IN			MIN	IN
10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00	10:00
<p><b>ALISON ENGINE COMPANY</b>                  P O Box 420                  Indianapolis, Indiana 46206-0420</p>																																				

**ENGINE TEST LOG**  
**250 SERIES**

TEST NO. \_\_\_\_\_

ENGINE SN: 549133  
 MODEL: C17M

LOG SHEET NO. 1  
 TYPE TEST DATE: 10-23-97

P.T.S. NO. 2499  
 OR TYPE 2388

DATE OF ACCEPT: \_\_\_\_\_

LOG SHT: \_\_\_\_\_

NO. STARTS: \_\_\_\_\_

TOTAL TIME: \_\_\_\_\_

OPER: \_\_\_\_\_  
 ROUTED TO: Nest Street

COMP. SEAL VENT ORIF DASH NO. \_\_\_\_\_

FUEL DRAINAGE  
 FUEL R.P.M. DRAIN \_\_\_\_\_  
 BURGER DRAIN VALVE \_\_\_\_\_  
 TOTAL FUEL GAL. \_\_\_\_\_  
 OK

F/C S/N \_\_\_\_\_  
 FABEG. S/N \_\_\_\_\_  
 C/T (T) S/N \_\_\_\_\_

COMP. B/W \_\_\_\_\_  
 CON. B/W \_\_\_\_\_  
 FIRE SHIELD DRAIN \_\_\_\_\_

T.M. CAL. \_\_\_\_\_  
 TYPE \_\_\_\_\_

COMP. W. \_\_\_\_\_  
 SPEC. EXHAUSTION \_\_\_\_\_  
 SPEC. MANIFOLD \_\_\_\_\_  
 SPEC. VALVE \_\_\_\_\_

RUN COMP. \_\_\_\_\_  
 OPER. \_\_\_\_\_  
 ROUNDED TO: Nest Street

RETURNING: General 1 No Speed  
Oil 0.1 In/h  
Exhaust 0.1 In/h

CUSTOMER MON. N1 N2 \_\_\_\_\_  
 COIL \_\_\_\_\_  
 IDLE \_\_\_\_\_  
 CC \_\_\_\_\_  
 TO \_\_\_\_\_

SP GR. \_\_\_\_\_  
 LHM \_\_\_\_\_

REMARKS:  
 1 0 0 1  
 2 0 0 1  
 3 0 0 1

MAG PLUG \_\_\_\_\_  
 COIL \_\_\_\_\_  
 LOCK \_\_\_\_\_  
 COND \_\_\_\_\_  
 ACTION \_\_\_\_\_

1. UNITED STATES

**FAA Form 8130-3**  
AIRWORTHINESS APPROVAL TAG  
U. S. Department of Transportation  
Federal Aviation Administration

3. System Tracking Ref. No. 459

4. Organization

Rolls-Royce Corporation  
P. O. Box 420  
Indianapolis, Indiana 46206-0420 USA

5. Work Order, Contract, Invoice Number  
R-9321

6. Item	7. Description	8. Part Number	9. Eligibility *	10. Qty	11. Serial/Batch Number(s)	12. Status/Work
001	Harness Assy, Engine Electrical	23064230	250 Series	1	0076	<input type="checkbox"/> Reworked to Print <input type="checkbox"/> Modified/Upgraded <input type="checkbox"/> Repaired <input checked="" type="checkbox"/> Reinspected/Retested

Note: Limited life parts must be accompanied by maintenance history including total time/total cycles since new.

13. Remarks

Unit reinspected/retested per print requirements and documented via DQR signature.

14.

New  Newly Overhauled

Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness.  
Note: In case of parts to be exported, the special requirements of the importing country been met.

19. Return to Service in Accordance with FAR 43.9

Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed, the part(s) is (are) approved for return to service.

15. Signature

16. FAA Authorization No

20. Authorized Signature

21. Certificate Number: MMF #3776

17. Name (Typed or printed):

18. Date:

22. Name (Typed or printed): Gayle D. Wheeler

23. Date: 07/06/2001

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 may be flown.  
(Note: The FAA Form 8130-3 and JAA Form One are equivalent. Other countries such as Canada also have equivalent documents.