

Engine Receiving & Shipping Inventory

Work Order: _____ Customer: *DANOTA AIR PARTS* Date: *4 JUN 2018*
 Model: *C47B Engine* Part No: *23063392* Serial No: *CAE-847868*

Nomenclature	Incoming			Outgoing		
	Qty	Part No.	Serial No.	Qty	Part No.	Serial No.
Engine	1	23063392	CAE-847868			
Compressor	1	23063379	CAC-44195			
Bleed Valve	1	23073353	FF23607			
Air Tube, Scroll to Bleed Valve/Jumper	1					
Fitting, 90°, Scroll to Bleed Valve	Ø					
Fitting, 90°, Scroll to P _c Filter Tube	Ø					
PMA/PC Safety Valves	Ø					
Anti-Ice Valve	1					
Anti-Ice Tube RH	Ø					
Anti-Ice Tube LH	1					
Anti-Ice Tube (Valve to Solenoid)	1					
Anti-Ice Tube Metal Cap	1					
P _c Filter	Ø					
Air Tube, Scroll to P _c Filter	Ø					
#1 Bearing, Oil Pressure Reducer	1					
#1 Bearing Oil Pressure Tube	1					
#1 Bearing Oil Scavenge Tube	1					
Scroll Bleed Port Plugs/ Cover Plates	1					
Seal Vent Tube Metal Cap	1					

*ENGINE
INVENTORY
FOR COMPANY
REFERENCE
NO NEED TO SEND
WITH RECORDS*

Gearbox	1	23063393	CAG-47868			
Gearbox Oil Inlet Fitting	Ø					
Oil Outlet Fitting	1					
Tank Vent Fitting	Ø					
Torquemeter Fitting	1					
Oil Pressure Fitting	Ø					
Overboard Vent Fitting	1					
#1 Scavenge Fitting	1					
#8 Scavenge Fitting	1					
90° Elbow Fitting	1					
#6 & 7 Scavenge Fitting	1					
Oil Pressure, #1 Bearing Fitting	1					
Fuel Pump	Ø	N/A	N/A			
Fuel Pump Inlet Fitting	Ø					
Fuel Control	Ø	N/A	N/A			
Fuel Control Fittings (HMU)	✓					

Fadec Engines

Electronic Control Unit 'ECU'	Ø	N/A	N/A
Hydro-Mechanical Unit 'HMU'	1	23078031	56-ALM0450
Permanent Magnet Alternator 'PMA'	1	23064128	95420005
CEFA	1	23066681	UNK
CIT Probe	Ø		

Engine Receiving & Shipping Inventory

Nomenclature	Incoming			Outgoing		
	Qty	Part No.	Serial No.	Qty	Part No.	Serial No.
Fuel Nozzle, Fuel Line	/					
Fuel System Check Valve/ <u>Union</u>	/					
Igniter	/					
Igniter Lead	/					
Accumulator 6 in ³	Ø					
Accumulator 3 in ³	Ø					
Double Check Valve	Ø					
Burner Drain Valve	2					
Burner Drain Plug/ <u>Igniter Dummy</u>	/					
Anti-Ice Solenoid Valve	/					
N2 Overspeed Solenoid Valve	Ø					
Bleed Valve Solenoid Valve	Ø					
B17/ B17F Engines						
Propbox	NA	NA	NA	NA	NA	NA
Coordinator Assembly	NA	NA	NA	NA	NA	NA
Combined Governor	NA	NA	NA	NA	NA	NA
Prop Overspeed Governor	NA	NA	NA	NA	NA	NA
External Sump (Near Frt Support)	NA			NA		

**AUTHORIZED RELEASE CERTIFICATE
FORM ONE**

COPY

1. Approving Civil Aviation Authority/Country
TRANSPORT CANADA

4. Organization Name and Address

Essential Turbines Inc.
443 Malochie Avenue
Dorval
H9P 2W2
Canada

Tel: 514-833-4456
Fax: 514-833-8301
Email: info@essentialturbines.com
Web: www.essentialturbines.com

AMO 37-94

5. Work Order/Contract/Invoice
WO31920

3. Form Tracking No.
AC19051

6. Item 1
7. Description Engine Assy, Turbohaft, C47B
8. Part No. 23063392
9. Qty. 1
10. Serial/Batch No. CAE-647968
11. Status/Work Inspected/Tested

12. Remarks
A 300 hour inspection was completed IAW the Rolls-Royce 250-C47 Series CSP21001 Operation and Maintenance Manual, 2nd Edition, 20th Revision.
The engine was functionally tested IAW the Rolls-Royce 250-C47 Series CSP22001 Overhaul Manual, 2nd Edition, 17th Revision.

TSN: 2561.40, TSO: New, CSN: 1724.00, CSO: New

13a. Certifies that the 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 12

Other regulations specified in block 12

CAR 571.10 maintenance release

14a.

Certifies that, except where otherwise specified in block 12, the work identified in block 11 and described in block 12 has been performed in compliance with the Canadian Aviation Regulations.

13b. Signature

13c. Approved Organization Number

14b. Signature

14c. Approved Organization Number
AMO 37-94

14d. Name

14e. Date (dd/mm/yyyy)
19/Oct/2017

ETI 4

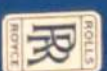


Model	250-C47B	Compressor SN	CAC-4195	Accel	X
Serial Number	CAC-47868	Compressor SN	CAC-47868	Brake	X
Run Number	W031920	Turbine SN	CAT-44535	Alt Chk	X
Run Date	4/3/2018	Fuel Control SN	NA	Reserved	X
Customer	ASI	Governor SN	NA	Comment	X
Operator	Kris V	Fuel Temp	72	Starts	0
Assistant	Koornen Z	SG all Fuel Temp	0.82	Coastin	0
Oil Flow in CCA	0	LHV (BTLULB)	18400	Office	0
Run Comments		Engine IT	2425.60		
Date	4/3/2018	Time	2:28:25 PM	1st PPT	4/3/2018
Setting	2:21:41 PM	Idle	2:34:55 PM	2nd PPT	4/3/2018
Start			2:44:09 PM	3rd PPT	4/3/2018
			2:46:07 PM	4th PPT	4/3/2018
Performance Graph					
NTI RPM	RPM	32256	47144	48660	49604
NTI PCT	%	0.0	92.4	95.4	97.3
NTI RPM Corrected	RPM	32437	47560	48942	50005
Peak N1	RPM	32295	47553	48916	50044
N2 RPM	RPM	20836	32141	32223	32120
N2 PCT	%	0.0	64.7	98.9	99.8
Minimum N2 (Transient Test)	RPM	21021	32322	32322	32322
BALD	HGA	3	3	3	3
Dyno Torque	lbs-ft	28.98	28.98	28.93	28.93
Dyno RPM	rpm	3.5	374.7	448.2	459.4
Smart Horse Power	HP	0.0	6308	6324	6304
Smart Horse Pressure	HP	0.0	450.0	539.7	600.3
Exhaust Static Prg	psi	1.8	35.8	54.5	60.6
Exhaust Static Prg	psi	0.5	6.2	71.3	79.3
Dyno Water Inlet Temp	F	29.99	29.99	29.95	29.91
Dyno Water Outlet Temp	F	48	49	67	74
Fuel Flow Observed	gph	47.2	50.2	98.3	109.4
FW Corrected	gph	0.1	117.1	286.8	360.3
Fuel SG		-0.2	117.7	292.2	333.1
Fuel Sample Temp	F	0.8200	0.8200	0.8200	0.8200
Fuel Temp Observed	F	46.2	72.0	72.0	72.0
Fuel Pressure	psi	88	53.2	58.2	51.2
SFC	lbs/MHP-HR	0.1399	0.0410	0.100	0.100
Test Cell Ambient Temp	F	53	51	52	51
Inlet Exhaust Delta Pts	H2O	29.91	29.91	29.89	29.87
CIT	F	1.1	1.1	0.6	0.8
Bleed Temp	F	59.0	53.2	51.0	50.7
Main Oil Pressure	psig	50	50	50	50
Oil In Temp	F	-0.7	122.6	124.2	124.0
Oil Inlet Pressure	psi	62	83	122	140
Oil Out Temp	F	58	97	189	209
Savange Oil Pressure	psig	1	20	13	215
COT	F	60	220	457	508
COT Normalized	F	0	0	0	0
CDP	Hg	0.0	57.3	190.2	207.7
CDP Normalized	psia	0.0	0.0	0.0	0.0
GPTOT	F	72	815	1070	1157
GPTOT Corrected	F	71	829	1096	1182
Peak T5	F	361	1333	1333	1241
Air Ice Line Temp	F	4790	4791	4785	4783
Comp Seal Vent Press	psig	-12.0	153.0	509.0	425.0
Gear Box Static Pts	H2O	0.86	6.19	11.15	6.63
Compressor Vibration	ips	0.01	0.46	0.36	0.35
Turbine Vibration	ips	0.07	0.50	0.69	0.69
Peak Turbine Vibration	ips	-0.03	-0.01	0.04	0.03
Generator Vibration	ips	0.08	0.10	0.16	0.18
Peak Generator Vibration	ips	-0.01	0.07	0.11	0.11
Dyno Vibration	ips	0.83	0.09	0.13	0.13
Peak Dyno Vibration	ips	-0.01	0.07	0.13	0.13
Amber Corrected	ppm	-0.02	0.08	0.08	0.11
Total Run Time	HH:MM:SS	1:15	1:29	0:55	0:81
Start to Idle Time	Seconds	00:00:17	00:02:44	00:09:14	00:15:24
Acceleration Time	Seconds	7758.0	8031.8	8031.8	8031.8
NT Coast Down Time	seconds	0.0	0.0	0.0	0.0
N2 Coast Down Time	seconds	5170.5	0.0	0.0	0.0
Fuel Used	gallon	0.0	0.0	0.0	0.0
Performance Temperature Margin		0.6	0.7	4.3	9.2

EXPORT CONTROLLED
The information on this data sheet is proprietary and is subject to the non-disclosure agreement between Rolls-Royce and the Authorized Maintenance Center.

June 12, 2018											
Description	Part Number	Serial Number	Model	Total	TBO/Life Limit	Since O/H	Remaining	Total	Life Limit	Since O/H	Remaining
hours											
Cycles											
ENGINE	23063392	CAE-847868	C47B	2,561.40	On Cond	TSN	No Limit	1724	On Cond	C5N	No Limit
COMPRESSOR	23063379	CAC-44195	C47B	2,844.70	On Cond	TSN	No Limit	3670	On Cond	C5N	No Limit
ADAPTER COUPLING	23051117-1	260861	C47B	N/A	On Cond	N/A	No Limit	3670	On Cond	C5N	No Limit
S.A.G.	23073520	KU505692	C47B	2,844.70	On Cond	TSN	No Limit	3670	On Cond	C5N	No Limit
IMPELLER	23064613	QB96898	C47B	2,844.70	On Cond	TSN	4,655.30	3670	On Cond	C5N	15000
GEARBOX	23063393	CAG-47868	C47B	2,561.40	On Cond	TSN	No Limit	1724	On Cond	C5N	No Limit
TURBINE	23063354	CAT-44635	C47B	2,561.40	(TBO)	812.40	1,187.60	1724	On Cond	750	No Limit
1ST STG WHEEL	23053299	X557237	C47B	1,011.40	2,025.00	TSN	1,013.60	2467	3000	C5N	533
2ND STG WHEEL	23032280	X548928	C47B	812.40	2,025.00	TSN	1,212.60	750	3000	C5N	2250
3RD STG WHEEL	6898663	HX93012	C47B	2,561.40	4,550.00	677.60	1,988.60	1724	6000	601	4276
4TH STG WHEEL	23066744	HX75016	C47B	2,561.40	4,550.00	677.60	1,988.60	1724	6000	601	4276
H M U	23078031	JGALM0450	C47B	3,322.10	2,500.00	810.20	1,689.80	N/A	On Cond	N/A	No Limit
FUEL NOZZLE	23077067	1WP08422	C47B	2,561.40	2,000.00	812.40	1,187.60	N/A	On Cond	N/A	No Limit
BLEED VALVE	23073353	FF23607	C47B	N/A	1,500.00	134.80	1,365.20	N/A	On Cond	0	No Limit
E C U	NOT INSTALLED	NOT INSTALLED	C47B	N/A	ON COND	N/A	N/A	N/A	On Cond	N/A	No Limit
P M A	23064128	95420005	C47B	N/A	ON COND	N/A	N/A	N/A	On Cond	N/A	No Limit
C E F A	23066681	JK-0393	C47B	N/A	ON COND	N/A	N/A	N/A	On Cond	N/A	No Limit
CURRENT ENGINE FIELD INSPECTION STATUS											
INSPECTION											
150 HOUR	0.00	150.00	T.S.I.	LIMIT	Remaining						
300 HOUR	0.00	300.00									
600 HOUR	134.80	600.00									
900 HOUR	134.80	2,000.00									
1,865.20	1,865.20										

**Rolls-Royce Allison
Model 250**



Rolls-Royce

250-C47H
CAE-847868

605

Engine log

ME11BP



W. R. D. on 11/26/99

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-847868

Purchase Order No. _____

Truell G. Hayes
Quality Assurance Department

NOVEMBER 26, 1999

Date

GT-9538T (11/87)

ON OTHER PRODUCTS, IT IS THE CUSTOMER'S RESPONSIBILITY TO OBTAIN THE WARRANTY INFORMATION.
LIABILITY WHATSOEVER IS EXPRESSLY ASSUMED BY ROLLS-ROYCE IN THE WARRANTY.

Rolls-Royce Allison Model 250-C40/C47 Series New Original Equipment Engine Warranty and Disclaimer Summary



Allison Engine Company, Inc. dba Rolls-Royce Allison, warrants that Rolls-Royce Allison through an authorized Rolls-Royce Allison facility will repair or replace (at Rolls-Royce Allison option) any Model 250-C40/C47 series new engine or new engine part sold by Rolls-Royce Allison to an aircraft manufacturer for installation in a new aircraft which is returned to an authorized Rolls-Royce Allison facility with transportation charges prepaid to and from an authorized Rolls-Royce 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 Rolls-Royce Allison and not a part of the basic engine assembly such as Engine Air Particle Separator and Auto Relighting Controls are 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 Rolls-Royce Allison or an authorized Rolls-Royce 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 Rolls-Royce Allison or an authorized Rolls-Royce 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 Rolls-Royce 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 of an engine is attributable in whole or in part to such part(s); this warranty is voided unless the Optional New Surplus Rolls-Royce Allison Military Part Warranty has been purchased from Rolls-Royce Allison.
5. The installation of a new surplus Rolls-Royce 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 Rolls-Royce Allison.
6. (PURCHASER) ACCEPTS AND AGREES THAT THE WARRANTIES GRANTED TO THE (PURCHASER) UNDER CLAUSE 5 OF THE PURCHASE CONTRACT AND, SO FAR AS THEY RELATE TO THE SUPPLIES AND EQUIPMENT, THE PRODUCT ASSURANCE GUARANTEES GRANTED TO THE (PURCHASER) UNDER CLAUSE 4 HEREOF ARE EXCLUSIVE AND ARE EXPRESSLY IN LIEU OF AND THE (PURCHASER) HEREBY WAIVES, RELEASES AND DISCLAIMS (I) ALL OTHER CONDITIONS AND WARRANTIES ARISING EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS, AND ANY IMPLIED WARRANTY ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING OR USAGE OF TRADE; (II) ALL OTHER OBLIGATIONS AND LIABILITIES WHATSOEVER OF ROLLS-ROYCE WHETHER IN CONTRACT, WARRANTY OR TORT (INCLUDING WITHOUT LIMITATION, NEGLIGENCE, ACTIVE, PASSIVE OR IMPUTED LIABILITY OR STRICT LIABILITY) OR BY STATUTE OR OTHERWISE FOR ANY NON-CONFORMANCE, DEFECT, DEFICIENCY, FAILURE, MALFUNCTIONING, OR FAILURE TO FUNCTION OF ANY ITEM OF THE SUPPLIES OR OF THE EQUIPMENT REFERRED TO IN CLAUSE 5.2 OF THE PURCHASE CONTRACT; (III) STRICT LIABILITY OR PRODUCT LIABILITY, AND (IV) ALL DIRECT, INDIRECT, SPECIAL, CONSEQUENTIAL AND INCIDENTAL DAMAGES OF ANY NATURE WHATSOEVER, AND THE (PURCHASER) AGREES THAT ROLLS-ROYCE SHALL NOT BE LIABLE TO THE (PURCHASER) UPON ANY CLAIM THEREFOR OR UPON ANY CLAIM HOWSOEVER ARISING OUT OF THE MANUFACTURE OR SUPPLY OR INSPECTION BY ROLLS-ROYCE OR ANY OF ITS AFFILIATES OF ANY ITEM OF THE SUPPLIES OR OF THE EQUIPMENT REFERRED TO IN CLAUSE 5.2 OF THE PURCHASE CONTRACT WHETHER IN CONTRACT, WARRANTY OR TORT (INCLUDING WITHOUT LIMITATION, NEGLIGENCE, ACTIVE, PASSIVE OR IMPUTED LIABILITY OR STRICT LIABILITY) OR BY STATUTE OR OTHERWISE, EXCEPT AS EXPRESSLY PROVIDED IN THE WARRANTIES, AND THE (PURCHASER) ASSUMES ALL RISK AND LIABILITY WHATSOEVER EVER NOT EXPRESSLY ASSUMED BY ROLLS-ROYCE IN THE WARRANTIES.

Rolls-Royce Allison Model 250-C40/C47 Series New Spare Engine and New Spare Part Warranty and Disclaimer



Rolls-Royce

Allison Engine Company, Inc. dba Rolls-Royce Allison, warrants that Rolls-Royce Allison through an authorized Rolls-Royce Allison facility will repair or replace (at Rolls-Royce Allison option) any Model 250-C40/C47 series new engine or new engine part sold by an authorized Rolls-Royce Allison facility for installation in a certified aircraft which is returned to an authorized Rolls-Royce Allison facility with transportation charges prepaid to and from an authorized Rolls-Royce 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 Rolls-Royce 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 Rolls-Royce 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 Rolls-Royce Allison facility. Installations occurring after more than three (3) months from date of shipment from an authorized Rolls-Royce 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 Rolls-Royce Allison and not a part of the basic engine assembly such as Engine Air Particle Separator and Auto Recognition Controls are 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 Rolls-Royce Allison or an authorized Rolls-Royce 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 an authorized Rolls-Royce 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 Rolls-Royce 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 ~~any such engine or engine parts; and such engine or engine part which has been repaired by other than an authorized Rolls-Royce Allison~~

(66901) (F) 3071-1G

customers of claims or damages. The obligations of Rolls-Royce Allison under this warranty are limited to repair or replacement (at Rolls-Royce 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 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 THE CASE OF ANY CONFLICT BETWEEN THIS CLAUSE 6 AND CLAUSE 5 OF THE PURCHASE CONTRACT, THE PROVISIONS OF THIS CLAUSE 6 SHALL PREVAIL.

THE EXCLUSIONS, WAIVERS AND LIMITATION SET FORTH IN CLAUSE 6.1 ABOVE.

THE EXPRESS WARRANTIES OF ROLLS-ROYCE AND THE PURCHASER(S) RIGHTS THEREUNDER; AND

1 2 9

ROLLS-ROYCE AND THE PURCHASER AGREE THAT THIS CLAUSE HAS BEEN THE SUBJECT OF DISCUSSION AND NEGOTIATION, IS FULLY UNDERSTOOD BY THE PARTIES AND THE PRICE OF THE SUPPLIES AND OTHER MUTUAL AGREEMENTS OF THE PARTIES SET FORTH IN THE PURCHASE CONTRACT AND THIS CONTRACT ARE ARRIVED AT HAVING DUE REGARD TO:

2 9

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 317-230-2357.

NOTE:

Annual revision service for the *JPC* and the *OMM* must be purchased by the owner/operator through the Allison Access Center. The Access Center may be contacted by telephone 317-230-6400 or toll free in the United States at telephone 1-888-ALLISON (1-888-255-4766).

NOTE: ALL PUBLICATIONS FOR USED AIRCRAFT MUST BE PURCHASED THROUGH THE ALLISON ACCESS CENTER.

APPLICATION FOR ALLISON MODEL 250 ENGINE OMM, IPC, CEBS AND CSLS

SERIAL NO. 02984 *DO YOU REQUIRE CEB/CSL SETS? YES NO *

I have just purchased a new Allison Model 250 powered aircraft and ask that you send me the appropriate publications based on the series of Model 250 I am operating (see below).

Delivery Date: _____ Delivery No. _____
 Aircraft Model: _____ Airframe Serial No. _____
 Engine Model: _____ Airframe Registration No. _____
 Engine S/N _____ Customer Name, Address & Telephone: _____
 Compressor _____ S/N _____
 Gearbox _____ S/N _____
 Turbine _____ S/N _____
 Prop Gearbox _____ S/N _____
 Fuel Control _____ S/N _____
 P.T. Governor _____ S/N _____
 Prop Governor _____ S/N _____
 Bleed Valve _____ S/N _____
 HMU P/N _____ S/N _____
 ECU P/N _____ S/N _____

EVAL.

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1.

Allison Enri
Model 250
facility with
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New



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:

Write – 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.

F-9825 (5/95)



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!

TRANSFER OF OWNERSHIP CARD

WHEN ENGINE OR AIRCRAFT OWNERSHIP HAS CHANGED (NOT FOR DELIVERY TO NEW, ORIGINAL OWNER) PLEASE COMPLETE THIS CARD AND RETURN TO ALLISON ENGINE COMPANY AS ADDRESSED

New Owner Name, Address, Phone & Fax:

Aircraft Make & Model:

Engine Model	Serial Number
1)	1)
2)	2)

Engine TT and/or TSO:

1)	2)
----	----

GT-11157 (5/98)

THE PROTECTION PLAN



SPP). The purpose of the SPP is to: (1) provide you with a fixed cost prediction; and (3) avoid unplanned costs associated with coverage by Allison:

sumables.

bulletins at time of next repair; includes labor, parts and

Finance Center (AMC).



Program Manager, Speed Code R01B
Model 250 Engines
P.O. Box 420
Indianapolis, IN 46206-0420

POSTAGE WILL BE PAID BY ADDRESSEE

BUSINESS REPLY MAIL

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NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES



Rolls-Royce



Newton





OVERVIEW

ALLISON MODEL 250 SERVICE PROTECTION PLAN

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.

ALLISON MODEL 250 SERVICE PROTECTION PLAN (con't)

For the following coverage, you pay a monthly fee based on the hours flown in a given month multiplied by a specific dollar rate per engine flight hour.

SUPPORT ELEMENTS

- Spare Engine(s)
- Spare Parts
- Support Equipment & Tools
- Maintenance Training (Tuition)
- Technical Publications

ALLISON

OPERATOR

X	—
X	—
—	X
X	—
X	—

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	—

RECOMMENDED CEB'S

- Parts - Including Consumable Parts
- Labor

X	—
X	—

SPP

Transfer Record



Rolls-Royce

Part II
Page No. 1

Engine Serial Number CAE- 847868

Engine Model 250- C47M

Date	From	To	Engine Time		Date	Received Organization
			Since OH	Total		
11-26-99	Rolls-Royce Allison	NAT'L AIR	New	0.0	12/09/02	MCA USBP
12/9/05	Premier Turbines	USBP	NEW NEW	1749.0 974	7/20/05	Premier Turbines
6/27/12	U.S.B.P.	A.S.I.	TSN CSN	2426.60 1575 CYL	12/15/05	U.S.B.P.
	A.S.I. TU3R880L		TSN CSN	2426.60 1575 CYL	6/29/2012	A.S.I. TU3R880L

F-2782AT (5/99)



AD Note Compliance and CEB Modification Record Engine Assembly

Part III
Page No. 1

Engine Serial Number CAE- 847868 Engine Model 250- C47M

AD #	Applicable CEB #	Date		Method of Compliance	One Time	Recurring	Next Comp. Date		Signature and Certificate Number
		Hours @ Comp.					Hrs	@	
None Applicable See enclosed list									
		11-26-99	0.0	Incorporated at Manufacturer	X		N/A	N/A	Rolls-Royce Allison
COMPLIANCE DATE	BULLETIN OR DIRECTIVE ACCOMPLISHED	TITLE							
17-JULY-02	CEB-A-72-6037	INSPECT/REPLACE 1ST STAGE NOZZLE SHIELD (REPETITIVE Insp. DUE AT TC: 1531)							
17-JULY-02	CEB-73-6036	RELEASE OF NEW ELECTRONIC CONTROL UNIT (ECU)							
17-JULY-02	CSL-A-6010	INSPECT COMPRESSOR ROTOR AND SPLINED ADAPTER							
17-JULY-02	CSL-A-6012	N1 SHAFTING INSPECTION							
DALLAS AIRMOTIVE RR-250CEB/CSL/AD NOTE ACCOMPLISHMENT RECORD									
					W/O #TR0870				
AD 2003-13-10	A73-6030	12/9/05	NEW	HMU backlash measurement not to exceed max					P.N. Meredith NZUR892 Premier Turbines
AD 2004-24-09	A-73-6041 TT: 1749.0	12/9/05	NEW	Fuel nozzle-installation of new fuel screen.					P.N. Meredith NZUR892 Premier Turbines
	CSL-A-6012	12/9/05	NEW	N1 shafting inspection.					P.N. Meredith NZUR892 Premier Turbines
	CSL-A-6010	12/9/05	NEW	Required every 2000 hours.					P.N. Meredith NZUR892 Premier Turbines
	CSL-A-6012	12/9/05	NEW	Inspect compressor rotor & splined adapter. Required every 2000 hours.					P.N. Meredith NZUR892 Premier Turbines

AD Note Compliance and CEB Modification Record Engine Assembly



Part III
Page No. 2

Engine Serial Number CAE- 847868 Engine Model 250- C47M

AD #	Applicable CEB #	Date		Method of Compliance	One Time	Recurring	Next Comp. Date		Signature and Certificate Number
		Hours @ Comp.					Next Comp. @ Hrs		
	73-6039	12/9/05		HMU-incorporate screened P1		nozzle			P.M. Meredith NZORR892 Premier Turbines
	73-6042	NEW		HMU-incorporate dual element					P.M. Meredith NZORR892 Premier Turbines
	TT: 1749.0	12/9/05		PLA potentiometer.					
	TT: 1749.0	NEW							
	CEB-72-6021	10/17/13	2426.60	#1 BEARING SCAVANGE TUBE REPLACE	X		N/A N/A		A.S.I. TU3R880L
	CEB-72-6009	10/17/13	2426.60	ENGINE CONVERSION TO C47-B CONFIG.	X		N/A N/A		A.S.I. TU3R880L
	CEB-72-6008	10/17/13	2426.60	ACCV. HARNNESS ANTI ICE TUBE	X		N/A N/A		A.S.I. TU3R880L
	CEB-74-6002	10/17/13	2426.60	REPLACE FADEC EXCITER WITH P/N 6899093	X		N/A N/A		A.S.I. TU3R880L
	CSL-A-6012	10/17/13	2426.60	N1 SHAFTING INSPECT		X	4426.60		A.S.I. TU3R880L



GT-2786D

SPP

AD NOTE COMPLIANCE AND CEB MODIFICATION RECORD ENGINE ASSEMBLY



Part III
Page No. _____

Engine Serial Number CAE- _____ Engine Model 250- _____

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

GT-2786DT (5/99)

Inspection - Maintenance - Overhaul Record Engine Assembly



Part IV
Page No. 1

Engine Serial Number CAE- 847868 Engine Model 250- C47M

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
11-26-99	New	0.0	Fuel system preserved with MIL-0-6081 oil.	<i>[Signature]</i>	Rolls-Royce Allison
WORK ACCOMPLISHED					
DATE ACCOMPLISHED	TSN	TSO	INSPECTED AND REPAIRED FOR F.O.D. AND EROSION, ENGINE REASSEMBLED, TESTED AND PRESERVED I.A.W. CURRENT ROLLS ROYCE MANUAL #CSP22001 AND DALLAS AIRMOTIVE CURRENT WORK SPECIFICATIONS. PERTINENT DETAILS OF THIS REPAIR ARE FILED AT THIS REPAIR STATION UNDER WORK ORDER #TR0870.		
17-JULY-02	1000.3	NEW			
	531	NEW			
DALLAS AIRMOTIVE RR-250CEB/CS/LAD NOTE ACCOMPLISHMENT RECORD					
13 Dec 02	1000.3		Repl'd exciter box, and ignition exciter	<i>[Signature]</i>	DALLAS AIRMOTIVE, INC. YRRR491L
			On Helicopter RNO34 ACFT HR 1351		
			Obs. Check good	<i>[Signature]</i>	452439233
28 Dec 02	1007.4	1007.4	Replace CEFH oil filter - PR 23063144	<i>[Signature]</i>	
			due to by pass indict - bottom pol. (no metal noted in filter)		
			no on	<i>[Signature]</i>	App 450179150

Inspection - Maintenance - Overhaul Record

Engine Assembly



Rolls-Royce

Part IV
Page No. 2

Engine Serial Number CAE- 847868

Engine Model 250- C47M

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
4/9/03	TOTAL AIRFRAME	1502.6	Inspected an annual 1300h inspection in accordance with Allison Engine Co.		
12-13-04	TOTAL AIRFRAME	1151.5	250-C47M operation and maintenance manual. Changed oil. Annual inspection and oil filter. Checked chip detectors. Changed inspected fuel nozzle and nozzle. All CofG by that this engine was inspected in accordance with our annual 1300h inspection and was determined to be in airworthy condition.	<i>[Signature]</i>	Rolls-Royce

GT-2784AT (5/99)

GT-2786DT (5/99)

SPP

Inspection - Maintenance - Overhaul Record Engine Assembly



Engine Serial Number CAE-847868

Engine Model 250-247M

Part IV
Page No. 3

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
7-30-03	total AIRFRAME	1551.0	CLW AD 2003-13-10 1A01	2. B. CEB	A-73-6030
12-13-04	total ENGINE	1199.9	INITIAL ELECTRICAL SIGNAL INSPECTION PL TEST FRAME ACCEPTABLE FOR RETURN TO SERVICE DIA GOOD RICH SB. 73-13 BACKLASH INSPECTION. BACKLASH .25 DEGREES. REMOVED & REINSTALLED HMC WITH NEW OILS. LEAK TEST GOOD.		
11-12-03	total A/F	1451.7	REMOVED ENGINE FORGIVE	<i>Paul Dye</i>	AEP VAL 56555
12-13-04	total ENGS	1251.6	AND REPLACED WITH SV. 5857.7-510	MOE DE	6123-1-635
11-12-03	total A/F	1451.7	PERFORMED A 150 HR. ENGINE INSPECTION	<i>gr</i>	REP. VAL 56555
12-13-04	total ENGS	1251.6	ACCORDANCE WITH OILMAN ENG. CO. 250-247M AND MOUNT MOUNTED		OPERATION

GT-2784A (12/98)

over

Inspection - Maintenance - Overhaul Record Engine Assembly



Part IV
Page No. 5

Engine Serial Number CAE-847868 Engine Model 250-

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
8-3-04			TACH-14581 PERFORMED AN ANNUAL/300 HR. INSPECTION LAW ALLISON ENGINE COMPANY 250-C47M MAINTENANCE MANUAL SEP WORK ORDER NUMBER 4118-9001 I CERTIFY THIS ENGINE WAS INSPECTED IAW AN ANNUAL BOND INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION. ANGELA S. PAVANER AP456832331		
11-01-04			Total Time Airframe 1849.3 AD2003-13-10 CIV by removal of HMU and Total Time Engine 1498.5 Inspection of splines & electrical signals CIV CEP A-79, 6032 electrical signal inspection of HMU PLA test trace acceptable for return to service. CIV Goodrich SB 93-13 back lsh inspection. Back lsh 25 degrees. Re-installed HMU with New O-rings & Ground Pen Ault. E-mail test trace to Gregory Nelson @ Goodrich.com. M. Kelly from APP 430179150		USAR

Inspection - Maintenance - Overhaul Record Engine Assembly



Part IV
Page No. 6

Engine Serial Number CAE- Engine Model 250-

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
01/16/05	Total Air Run Time	1946.5	Performed 150hr engine inspection I/ATA's Allison		
	Total Eng time	1516.4	Roll-Royce 250-C47M operation and Maintenance Table 603 150 hour inspection 92-00-00. Performed ECU fail		
			Log test, 150 hour manual mode operation functioning NGT IUD		
			System check with in 4", Torque IUD system check ACPT		
			Find 131 MT 215. I card that this engine has been		
			inspected I/ATA's with an 150hr inspection guides and		
			was found to be in an air worth condition Model 603 150		
7/7/05	TT: AIRFRAME	2100.0	Substive Assy Rebuilt from ACFT N60583		
	TT: ENGINES:	1749	0 FOR COMPLIANCE WITH AD 2004-24-04		
			AUD AD 2004-24-09		

Inspection - Maintenance - Overhaul Record Engine Assembly



Part IV
Page No. 7

Engine Serial Number CAE- 847868 Engine Model 250-

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
12/9/05	NEW	1749.0	Repaired and functional tested IAW Rolls-Royce		
	NEW	974	O/H/M CSP 22001, 2nd 3ddition; revision 5, dated September 15, 2004 (including TRs dated up to April 7, 2005). AECIFCA 03-001 revision IR, dated 01-10-03. T-054 revision D, issued 05-28-03. Time continued repaired compressor & gearbox & overhauled turbing. Complied with 2000 hour inspection & A73-6030, A-73-6041, CSL-A-6012, CSL-A-6012, 73-6039, & 73-6042. Installed PMA parts: roller bearing pn 23066716AL sn TA16-0510012; gearshaft assy. pn E23073520 sn SG27-209; coupling pn E23032345 sn UM7-262; Omega ring seat pn E23060104		

Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV
Page No. 8

Engine Serial Number CAE- 847868

Engine Model 250-

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
12/9/05	NEW	1749.0	In 6610; outer race & roller bearing pn 23007202AL sn TA4-0512362, pn 23007202AL		
cont....	NEW	974	sn TA4-0512363; bearing sleeve assy. pn 23058131 sn TA13-0510153; segment damper pn E6844422 In 6874, pn E6844422 In 6874; inner race bearing pn 6870031AL sn TA14-0511981;		
			Details on file at this work station under wo# 4913.	<i>Meredith</i>	
				P.N. Meredith	NZUR892L Premier Turbines
10-06-06	Aft T	2935.8	Rmvd HMU PN 23078031 S/N TGALM0112 and installed HMU		
	Eng T	1751.2	PN 23078031 S/N TGALM0450. Replaced Fuel line		
			PN 23064649. MDC & leak check OK. <i>Meredith</i>		<i>APR 2006 155327A</i>

GT-2784A (12/98)

GT-2784A (12/98)

Inspection - Maintenance - Overhaul Record Engine Assembly



Part IV
Page No. 9

Engine Serial Number CAE- 847868 Engine Model 250-

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
1-29-07	T-30499		Completed 150 hr inspection I.A.W. C-47M operation and maintenance certify this engine has been inspected I.A.W. 150hr inspection and was determined to be in airworthy condition.	Angela S. Paucers AP 456832331	
6-4-07	H-3094.6		Completed 150/300 hr inspection I.A.W. Allison Rolls-Royce AET-31952 250 C-47 M operation and maintenance table 603 72-01-00	Angela S. Paucers AP 456832331	
			And table 604, complied with AD 2000-08-22 T.O. Due every 300 hrs. I certify this engine has been inspected I.A.W. AnnuaI 150/300 hr inspection and was determined to be in airworthy condition.	Angela S. Paucers AP 456832331	

Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV
Page No. 10

Engine Serial Number CAE- 847868 Engine Model 250- 441 M

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
22 Nov 07	A. 3209.9	3502.5 ARTT	PERFORMED ISO HE ENGINE INSPECTION AND ALLISON ROLLS-ROYCE C250 C47M MAINTENANCE & OPERATION MANUAL TABLE 602 75-00-00 AND TAKE LOG REMOVED AND REPLACED OVERLAPPING OLDS. NEEDED RESEARCHED ENGINE OIL WITH 4 QLS OF MOTIL 254. I CERTIFY THIS ENGINE HAS BEEN INSPECTED WITH ISO/9001 INSPECTION CHECK LIST AND WAS RETURNED TO BE IN ANEWORTHY CONDITION.	<i>[Signature]</i>	ALLISON ROLLS-ROYCE
29 APR 08	A. 3305.	ARTT #107.9	RETURNED ISO HE ENGINE INSPECTION IN ACCORDANCE WITH ALLISON ENGINE CASE 250-C47M OPERATION AND MAINTENANCE MANUAL. CHANGED OIL AND WAS RECHECKED INTERNAL OIL FILTER, OIL DETACHERS, THROAT AND TAPERED GAIL AND AND SPINETS. BALANCED THE FUTURE SYSTEM AS TEST. BALANCED PWT SYSTEM. & CHECKING PWT THIS ENGINE WAS RECHECKED IN ACCORDANCE WITH ISO HE INSPECTION AND WAS DELIVERED TO BE IN AN ANEWORTHY CONDITION.	<i>[Signature]</i>	ALLISON ROLLS-ROYCE

Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV
Page No. 11

Engine Serial Number CAE-847868 Engine Model 250-C47M

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
17 July 06	H-3309.5	AFT-3410.1	Performed 150 hr Annual Inspection in accordance with Allison Rolls-Royce engine maintenance procedures and maintenance manual. changed oil level and inspected internal oil filler, chip detector, oil level and inspected fuel nozzle and igniter. Reformed oil tank. System gas test performed per SAE E100. Replaced Starter Generator. Reformed and replaced compressor bleed valves. I certify that this engine was inspected in accordance with 150 hr Annual Inspection and is determined to be in and airworthy condition.	<i>[Signature]</i> 33092-06	Rolls Royce APT-A

Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV
Page No. 12

Engine Serial Number CAE-9478658

Engine Model 250-C47M

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
11-10-08	Assy: 3408.4	AFTT: 3503.0	Completed 150/300 HR inspection i.A.W operation and maintenance manuals complied with AIR 2000-08-02. TOT over every 300 HRS. Replaced CERA lube and Fuel filters. Luvd and Replaced carbonyl filter Assy. Clean and inspected engine cup detectors reinstalled. Luvd and cleaned and inspected fuel nozzle and injector reinstalled. Drained and serviced engine. Returned Feder. ECU System ops test. I certify this engine has been inspected with and is determined to be in Airworthy condition.	Allison Rolfs-Royce 250C-47M	255992
3-12-09	3412.4 3448.4	3503.0 3548.4	Completed 150/300 HR inspection i.A.W operation and maintenance manuals complied with AIR 2000-08-02. TOT over every 300 HRS. Replaced CERA lube and Fuel filters. Luvd and Replaced carbonyl filter Assy. Clean and inspected engine cup detectors reinstalled. Luvd and cleaned and inspected fuel nozzle and injector reinstalled. Drained and serviced engine. Returned Feder. ECU System ops test. I certify this engine has been inspected with and is determined to be in Airworthy condition.	Allison Rolfs-Royce 250C-47M	255992
	TSM CSN	2426.60 1575 CYL	HR compressor Remove Eng from aircraft N619BP		2777638

Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV 13
Page No. _____

Engine Serial Number CAE- 847868

Engine Model 250-C47B

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
10/17/13	TSN	2426.60	C/W TIME CONTINUED SERVICEABILITY INSPECTION		A.S.I.
	CSN	1575 CYLS.	AND REPAIR FOR OIL LEAK. UNIT CONVERTED TO C47B		
			CONFIG. AND TESTED. REPLACED COMPRESSOR MODULE		
			WITH SERVICEABLE UNIT P/N 23063379 S/N CAC-44195.		
			C/W ENGINE PORTIONS OF 150/300/2000 HR. INSPECTIONS INCLUDING NI SHAFTING INSPECTION.		
			ALL WORK DONE I/A/W ROLL ROYCE MANUALS CSP22001		
			2ND.ED.REV.13 DATED 9/15/12 SECTIONS 72-00-00		
			72-30-00, 72-50-00, 72-60-00, AND CSP21001, 2ND.ED.REV.		
			16 DATED 9/1/13 FOR 150/300/2000 INSPECTIONS.		
			DETAILS OF WORK PERFORMED ARE ON FILE UNDER		
			A.S.I. WORK ORDER #E65608.		TU3R880L




Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV
Page No. 14

Engine Serial Number CAE- 847868 Engine Model 250-C47B

Date	Engine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
19/Oct/17	New	2561.4	A 300-hour Inspection was completed IAW RR250-C47 Series Operation and Maintenance Manual		E.T.I. AMO 37-94
	New	1724	CSP21001, 2nd Ed., 20th Rev. The Engine was functionally tested IAW RR250-C47 Series O/H Manual CSP22001, 2nd Ed., 17th Rev., on ETI W031920.	 	E.T.I. AMO 37-94

Inspection - Maintenance - Overhaul Record Engine Assembly



Rolls-Royce

Part IV
Page No. _____

Engine Serial Number CAE- _____ Engine Model 250- _____

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

Serial Number	Installed		Removed		Reason
	Date	TT TSO	Date	TT TSO	
CAG-44853 **CAG-47868	11-26-99	0.0 New	10/17/13	2426.60 TSN	MOD TO -47B CONFIG.
CAC-44853	"	0.0	26-JUN-02	1000.3	F.O.D. & EROSION REP
		New		NEW	
CAT-44635	"	0.0	26-JUN-02	1000.3	F.O.D. & EROSION REP
		New		NEW	
		New		NEW	
CAC44853	17-JUL-02	1000.3	12/9/05	1749.0	REPAIR
		NEW		TT: 1749.0	
		1000.3		1749.0	
CAT44635	17-JUL-02	NEW	12/9/05	TT: 1749.0	REPAIR
		NEW		TT: 1749.0	
		NEW		TT: 1749.0	
CAT 44635	12/9/05	1749.0	10/17/13	2426.60	MOD TO C47B
		0.0		677.60	
		1749.0		2426.60/1575 CYLS	
CAC 44853	12/9/05	1749.0	10/17/13	2426.60/1575	REPAIR
		NEW		TSN/CSN	
		NEW		TSN/CSN	
CAC-44195	10/17/13	2709.90			
		TSN			
		TSN			
CAG-47868	10/17/13	2426.60			
		TSN			
		TSN			
CAT-44635	10/17/13	2426.60/1575			
		677.60/601			
		677.60/601			

Assembly Record Engine Assembly



Rolls-Royce

Part V
Page No. _____

Engine Serial Number CAE- 847868

Engine Model 250- C47M

Nomenclature	Part Number	Serial Number	Installed		Removed		Reason				
			Date	TT	Date	TT					
				TSO		TSO					

ASSEMBLY RECORD ENGINE ACCESSORIES



Part VI 1
Page No. _____

Number CAE-847868 Engine Model 250-C47M

Part Number	Serial Number	INSTALLED		REMOVED		Reason
		Date	ENG TT NEW/TSO	Date	ENG. TT NEW/TSO	
23070259	JG8ALW0083	11-26-99	0.0 NEW	26-JUN-02	1000.3 NEW	CEB-73-6036
23072208	JGALM0708	"	0.0 NEW	7/27/01	1272.9	Starting problems
6899001	1WP08422	"	0.0 NEW	26-JUN-02	1000.3 NEW	STREAKING REPAIR
23005366	FF58728	"	0.0 NEW	12/9/05	1749.0	
23072725	JGALW04Y3	"	12/16/04 TT: 1604.1	7/28/05	1749.0 TT: 2080.2	



GT-2786C

ASSEMBLY RECORD ENGINE ACCESSORIES

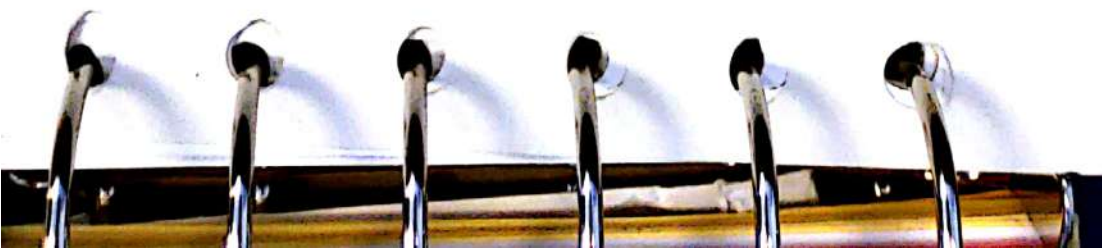


Part VI 2
Page No. _____

Engine Serial Number CAE-847868

Engine Model 250-C47M

Nomenclature	Part Number	Serial Number	INSTALLED		REMOVED		Reason
			Date	Eng TT Align TSO	Date	TT TSO	
ECU TT: 1866.6	23072949	JG6ALW0030	12/9/05	1749.0 NEW	10/18/13	2544.20 TSN	CONVERT TO C47B
HMU TT: 2511.9	23078031	JGALM0450	10-06-06	1751.2 0.00			
Bleed Valve TT: 3410.1	23073353	FF58476	7-11-08	1500.0 0.0	10/18/13	UNKN UNKN	OVERHAUL
BLEED VALVE	23073353	FF23607	10/18/13	UNKN 0.00			





GT-2786ET

AD NOTE COMPLIANCE AND CEB MODIFICATION RECORD COMPRESSOR ASSEMBLY



Part III
Page No. 1

Compressor Serial Number ^{3MB} XCAC- 44195

Engine Model 250-~~443M~~- 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					
	CSL-A-6010	4-6-04	2007.6	Inspect Compressor rotor & splined adater every 2000 hours.					D.K. Schell NUR892L Premier Turbines
	CSL-A-6012	4-6-04	2007.6	N1 shafting inspection. Every 2000 hours.					
	CSL 3016 R6	21 July 08	2709.9	Model 250 Reporting					
	CEB-72-6067	10/17/13	2709.90/3521	REPLACE #2 BEARING W/ P/N M250-10354 S/N FAG12597	X		N/A	N/A	ASI TU3R880L
	CEB-72-6055	10/17/13	2709.90	REAR SUPPORT #2 BEARING LOCK KEY SLOT	X		N/A	N/A	ASI TU3R880L
	CEB-72-6025	10/17/13	2709.90	REPLACE #1 BEARING TO REDUCE 1 HERTZ WHINE	X		N/A	N/A	ASI TU2R880L
	CSL-A-6010	10/17/13	2709.90	SPLINE ADAPTER	X		N/A	N/A	ASI TU3R880L

AT Access




231-91
SCA
129

INSPECTION - MAINTENANCE - OVERHAUL RECORD COMPRESSOR ASSEMBLY

Part IV 1
Page No.



Serial Number ^{608B} CAC-44195 Engine Model 250-C47M

Compressor Time		Remarks	Signature and Certificate No.	Organization
Since OH	Total			
New	2007.6	Performed 150, 300 and 2000 hour	 D.V. Schall NZUR892L	Premier Turbines
CSO: 0	CSN: 3010	Inspection. Details under W/O 2213.		
NEW	2709.9	Repaired & Tested for "Low Power & Oil	 D.V. Schall NZUR892L 	
	csn: 3521	leak" IAW Rolls Royce O/H Manual CSP22001		
		2E, R8 dated 15 Sept 07. 150 & 300 Hr		
		Inspections C/O IAW Rolls Royce Ops &		
		Maint Manual CSP 21004 1E R10 dated		
		15 Sept 07.		
		Vector W/O# 28-08948		

VECTOR AEROSPACE HELICOPTER SERVICES INC.



F-2784C (5/95)

INSPECTION - MAINTENANCE - OVERHAUL RECORD COMPRESSOR ASSEMBLY

Part IV 2
Page No.



Compressor Serial Number 3521 CAC-44195 Engine Model 250-C47^B

Date	Compressor Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
10/17/13	TSN/CSN	2799.90 3521 TOT CYL	COMPLIED WITH TIME CONTINUED SERVICEABLE INSPECTION AND REPAIR FOR OIL LEAK. UNIT TESTED UNIT CONVERTED TO C47B CONFIGURATION. REPLACED # 1 BEARING WITH P/N M250-10393		A.S.I.

CYCLE RECORD COMPRESSOR ASSEMBLY

Part VI 1
Page No. _____

Serial Number ^{BMB} ~~CAC-44195~~ _____

Engine Model 250-C47M _____

INSTALLED				REMOVED					
Date	Compressor TT	Cycle Count		Engine CYCLES at Installation	Date	Compressor TT	Cycle Count		Engine CYCLES at Removal
		Current Cycles	Cycle Limit				Current Cycles	Cycle Limit	
1-27-97	0.0				4-6-04			CSN: 3010	
	2709.9	3521		3521	10/17/13	2709.90	3521	3521	
						(NOT USED THIS INSTALL.)			
10/17/13	2709.90	3521	3521 TOT CYCLES	1575					

Service Record Gearbox Assembly



Rolls-Royce

Part I 1
Page No. 1

Gearbox Serial Number CAG-~~44868~~ 47868 ^{**}
Engine Model 250- C47M B

**TYPING ERROR

Aircraft S/N	Date	Installed		Removed		Reason
		TT	TSO	TT	TSO	
CAE-847868	11-26-99	New	0.0	12/9/05	1749.0	MOD TO C47B CONFIGURATION P/N 23063393
CAE 847868	12/9/05	NEW	1749.0	10/17/13	2426.60 TSN	
CAE-847868	10/17/13	2426.60 TSN				

F-2782CT (5/99)

Transfer Record



Rolls-Royce

Part II
Page No. 1

Gearbox Serial Number CAG- ~~44888~~ 47868 Engine Model 250- C47M

Date	From	To	Gearbox Time		Date	Received Organization
			Total	Since O/H		
11-26-99	Rolls-Royce Allison	NAT'L AIR	0.0	New		
6/27/12	U.S.B.P. A.S.I.	A.S.I.	2426.60 2426.60	TSN TSN	6/29/12	ASI TU3R880L

AD Note Compliance

and

CEB Modification Record

Gearbox Assembly



Rolls-Royce

Part III 1

Page No. _____

Gearbox Serial Number CAG-44858 ~~47868~~ ^{**} Engine Model 250-C47M B

** TYPING ERROR

AD #	Applicable CEB #	Date		Method of Compliance	One Time	Recurring	Next Comp. Date		Signature and Certificate Number
		Hours @ Comp.	11-26-99				Next Comp. @ Hrs	N/A	
None applicable	See enclosed list	11-26-99	0.0	Incorporated at manufacturer	X		N/A	N/A	Rolls-Royce Allison
	CEB-72-6009	10/17/13	2426.60	CONVERSION TO C47B	X		N/A	N/A	ASI TU3R880L
	CEB-72-6053	10/17/13	2426.60	BREATHER GEAR COAT	X		N/A	N/A	ASI TU3R880L
	CEB-72-6071	10/17/13	2426.60	IMPROVED BEARING T/M	X		N/A	N/A	ASI TU3R880L
	CSL-6134	10/17/13	2426.60	N2 GEAR INSPECTION	X		N/A	N/A	ASI TU3R880L



Rolls-Royce

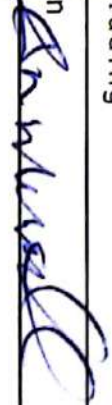
AD Note Compliance and CEB Modification Record Gearbox Assembly

Part III
Page No. _____

Gearbox Serial Number CAG- 44868 47868
Engine Model 250- C47M

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

I-2787T (5/99)

Date	Gearbox Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
12/9/05	NEW	1749.0	Time continued repaired and functional tested		
			IAW Rolls-Royce O/H/M CSP 22001, 2nd edition;		
			revision 5, dated September 15, 2004 (including		
			TRs dated up to April 7, 2005). Details on		
			file at this work station under wo# 49131		NZUR892L
			Complied with 2000 hour inspection.	P.N. Meredith	Premier Turbines

~~NOT USED~~

Inspection - Maintenance - Overhaul Record Gearbox Assembly



Rolls-Royce

Part IV 2
Page No. _____

Gearbox Serial Number CAG- ~~44868~~ 47868

Engine Model 250- C47M B

Date	Gearbox Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
10/17/13	TSN/CSN	2426.60	COMPLIED WITH TIME CONTINUED SERVICEABILITY INSPECTION AND REPAIR. CONVERTED TO C47B CONFIGURATION P/N UPDATED TO P/N 23063393.UNIT TESTED.		A.S.I.
			ALL WORK DONE I/A/W ROLLS ROYCE 2ND.ED.REV.13 DATED 9/15/2012 SECTIONS 72-00-00, 72-30-00, 72-50-00, 72-60-00. DETAILS OF WORK PERFORMED ARE ON FILE UNDER A.S.I. W.O.# E66608.		A.S.I TU3R880L

F-2784B (12/98)

INSPECTION — MAINTENANCE — OVERHAUL RECORD
GEARBOX ASSEMBLY

2784C (11-77)

Gearbox Serial Number _____ Engine Model _____

Date	Gearbox Time		Remarks	Signature	Organization
	Since OH	Total			

C47B

Transfer Record



Rolls-Royce

Part II
Page No. 2

Turbine Serial Number CAT- 44635

Engine Model 250-C47M

1 / B

TRANSFERRED/SHIPPED

RECEIVED

Date	From	To	Turbine Time		Date	Organization
			Total	Since O/H		
11-26-99	Rolls-Royce Allison	NAT'L AIR	0.0	New		
6/27/12	U.S.B.P.	A.S.I.	2426.60	677.60	6/29/12	A.S.I. TU3R880L
	A.S.I.		2426.60	677.60		

Service Record Turbine Assembly



Turbine Serial Number CAT- _____ Engine Model 250- _____

Part I
Page No. _____

Aircraft S/N	Engine S/N	Installed		Removed		Reason
		Date	TT TSO	Date	TT TSO	

GT-2782D (12/98) (F)

Transfer Record



Rolls-Royce

Part II
Page No. _____

Turbine Serial Number CAT- Engine Model 250-

TRANSFERRED/SHIPPED				RECEIVED		
Date	From	To	Turbine Time		Date	Organization
			Total	Since O/H		



Rolls-Royce

AD Note Compliance and CEB Modification Record Turbine Assembly

Part III Page No. 2

Number CAT- 44635

Engine Model 250- C47M/B

Applicable CEB #	Date Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. Date		Signature and Certificate Number
					Next Comp. @ Hrs		
See enclosed list	11-26-99 0.0	Incorporated at manufacturer	X		N/A N/A		Rolls-Royce Allison
NON COMPLIANT OR DIRECTIVE		TITLE			SIGNATURE		ORGANIZATION
-72-6037		INSPECT/REPLACE 1ST STAGE NOZZLE SHIELD (REPETITIVE INSP. DUE AT TC: 1531)			<i>A. Johnson</i>		DALLAS AIRMOTIVE YRRR491L
-6012		N1 SHAFTING INSPECTION					DALLAS AIRMOTIVE YRRR491L
-250CEB/CSLAD NOTE ACCOMPLISHMENT RECORD		W/O #TR0870		DAI 258 CEB CSL AD Note Form.doc			
A-72-6050	09-09-04	N/A by Engine S/N	X		N/A	N/A	Meredith
CEB-A-72-6037	12/9/05	Inspection & replacement of 1st stage nozzle shield pn 23062752. Required every				1000 cycles.	P.N. Meredith NZUR892L Premier Turbines
TT: 1749.0	0.0	Inspection of 4th stage wheel					P.N. Meredith NZUR892L Premier Turbines
CEB-A-72-6048	12/9/05	Inspection of 4th stage wheel pn 23066744					P.N. Meredith NZUR892L Premier Turbines
TT: 1749.0	0.0	Inspection of 3rd stage wheel pn 6898665.					P.N. Meredith NZUR892L Premier Turbines
CEB-A-72-6050	12/9/05	Inspection of 3rd stage wheel pn 6898665.					P.N. Meredith NZUR892L Premier Turbines
TT: 1749.0	0.0	Inspection of 3rd stage wheel pn 6898665.					P.N. Meredith NZUR892L Premier Turbines
CSL-A-6012	12/9/05	N1 shafting inspection. Required every 2000 hours.					P.N. Meredith NZUR892L Premier Turbines
TT: 1749.0	0.0						

AD Note Compliance



Rolls-Royce

and CEB Modification Record Turbine Assembly

Part III
Page No. 2

Turbine Serial Number CAT- 44635

Engine Model 250- C47M / B

AD #	Applicable CEB #	Date		Method of Compliance	One Time	Recurring	Next Comp. Date		Signature and Certificate Number
		Hours @ Comp.	12/9/05 0.0				Next Comp. @ Hrs	Hrs	
	72-6051 TT: 1749.0	12/9/05	0.0	Release of new 2nd stage spline adapter and lock nut.					P.N. Meredith AZUR892 Premier Turbines 4426.60 TU3R880L
	CSL-A-6012	10/17/13	2426.60	NI 2000 HR. SHAFTING		X	4426.60		

GT-2788AT (5/99)

GT-2782D (12/98) (B)

Inspection - Maintenance - Overhaul Record TURBINE ASSEMBLY




Rolls-Royce

Part IV
Page No. 2

Turbine Serial Number CAT- 44635

Engine Model 250-C47M

Date	Turbine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
17-JULY-02	TSN	TSO	INSPECTED AND REPAIRED FOR F.O.D. AND EROSION, ENGINE REASSEMBLED, TESTED AND PRESERVED I.A.W. CURRENT ROLLS ROYCE MANUAL #CSP22001 AND DALLAS AIRMOTIVE CURRENT WORK SPECIFICATIONS. TIE BOLT P/N 23008030, S/N NCT78266, FREE LENGTH: 7.370, ACTUAL STRETCH: 7.386. PERTINENT DETAILS OF THIS REPAIR ARE FILED AT THIS REPAIR STATION UNDER WORK ORDER #TR0870.	 DALLAS AIRMOTIVE, INC. YRRR491L	DALLAS AIRMOTIVE, INC. YRRR491L
	CSN	CSO			
	1000.3	NEW			
	531	NEW			
DALLAS AIRMOTIVE RR 250 CERTIFICATE OF WORK ACCOMPLISHED					
12/9/05	0.0	1749.0	Overhauled and functional tested IAW Rolls-Royce O/H/M CSP 22001, 2nd edition; revision 5, dated September 15, 2004 (including TRs dated up to April 7, 2005). Complied with 2000 hour inspection & CEB-A-72-6037, CEB-A-72-6048, CEB-A-72-6050, CSL-A-6012, 72-6051. Replaced 1 & 2 turbine		

DALLAS AIRMOTIVE RR 250 CERTIFICATE OF WORK ACCOMPLISHED

Inspection - Maintenance - Overhaul Record Turbine Assembly



Rolls-Royce

Part IV
Page No. 2

Turbine Serial Number CAT- 44635 Engine Model 250- C47M/B

Date	Turbine Time		Remarks	Signature and Certificate No.	Organization
	Since OH	Total			
12/9/05	0.0	1749.0	wheels. Tie bolt pn 23008030 sn NC78266		
cont....	0.0	974	free length: 7.369; actual stretch length:		
			7.386. Details on file at this work station	<i>in m... St</i>	NZUR892L
			under wo# 4913.	P.N. Meredith	Premier Turbines
10/17/13	677.60	2426.60	C/W TIME CONTINUED SERVICEABILITY	INSPECTION.	A.S.I.
			UNIT MOD TO -47B CONFIGURATION AND TESTED.		
CYCLES:	601	1575	REPLACED #1 WHEEL WITH SERVICEABLE P/N 23053299.		
			C/W CSL-A-6012 2000 HR. NI SHAFTING INSPECTION.		
			TIE BOLT P/N 23008030 S/N NC78266	FREE LENGTH 7.3697"	
			STRETCH .0165. ALL WORK DONE I/A/W ROLLS ROYCE		
			MANUAL CSP22001 2ND.REV.13 DATED 9/15/12. DETAILS OF		WORK
			ON FILE A.S.I. W.O. E65608.		TU3R880L

Assembly Record Turbine Assembly



Part V
Page No. 1

Turbine Serial Number CAT- 44635 Engine Model 250-C4ZWB

Nomenclature	Part Number	Serial Number	Date	Installed		Component		Removed					
				Turbine	Cycles	TT	TC	Turbine	Cycles	TT	TC		
1st STG. WHL.	23053299		11-26-99		0.0		0.0	26-JUNE-02	1000.3	531	1000.3	531	
	X146166				0.0		0.0	26-JUNE-02	1000.3	531	1000.3	531	
2nd STG. WHL.	23032280		"		0.0		0.0	12/9/05	1749.0	974	1749.0	974	
	HX128576				0.0		0.0	12/9/05	1749.0	974	1749.0	974	
3rd STG. WHL.	6898663		"		0.0		0.0	12/9/05	1749.0	974	1749.0	974	
	HX93012				0.0		0.0	12/9/05	1749.0	974	1749.0	974	
4th STG. WHL.	23066744		"		0.0		0.0	12/9/05	1749.0	974	1749.0	974	
	HX75016				0.0		0.0	12/9/05	1749.0	974	1749.0	974	
INSTALLED NOMENCLATURE	Part Number	Serial Number	Turbine	TC	Nomen. TT	Nomen. TC	Removal Date	Turbine	TC	Nomen. TT	Nomen. TC	Turbine	TC
1st Stage Wheel	23053299	X512473	1000.3	531	NEW	NEW	12/9/05	1749.0	974	748.7	443	443	
2nd Stage Wheel	23032280	X518342	1000.3	531	NEW	NEW	12/9/05	1749.0	974	748.7	443	443	
Dallas Airmotor RR-250 Life Limited Component Received/Installed Record W/O #TR0870													
3rd stage wheel	6898663		12/9/05		1749.0		1749.0						
	HX93012				974		974						
4th stage wheel	23066744		12/9/05		1749.0		1749.0						
	HX75016				974		974						
1st stage wheel	23074691		12/9/05		1749.0		NEW					2426.60	677.60
	X550803				974		NEW					1575	601

F-2785DT (5/99)

DAL RR-250 Component Life Record file

Cycle Record Turbine Assembly



Rolls-Royce

Part VI
Page No. / B

2

Turbine Serial Number CAT- 44635

Engine Model 250- C47M

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				Cycle Count	Cycle Limit	
			Current Cycles					Current Cycles		
CAE-847868	11-26-99	0.0	531	531	26-JUNE-02	1000.3	531	531		
CAE847868	17-JUL-02	1000.3	CSN: 974	531	12/9/05	1749.0	CSN: 974	974		
CAE 847868	12/9/05	1749.0	CSO: 0.0	974	10/17/13	2426.60	CSO: NEW	974		
CAE-847868	10/17/13	2426.60 TSO:677.60	1575/601	1575/601		1749.0	1575/601	1575		

Cycle Record Turbine Assembly



Rolls-Royce

Part VI
Page No. _____

Turbine Serial Number CAT- 44635 Engine Model 250- C47M

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				Cycle Count	Cycle Limit	



Rolls-Royce

LIFE LIMITED PART LOG CARD

LIFE LIMITED PART NAME		#3 TURBINE WHEEL		PART NUMBER		6898663		SERIAL NUMBER		HX93012	
Date Installed	Date Removed	Engine and Module S/N	Engine Model	Hours	Cycles	Overspeed Events * (as app)	Comments	Signature And Certificate #			
11/26/99	12/9/05	CAE-847868 CAT-44635	C47M	0.00	0		ORIGINAL INSTALL				
12/9/05		CAE-847868 CAT-44635	C47M	1749.00	974		NEW ENGINE				
				1749.00	974						

*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 #4
PART NAME TURBINE WHEEL

PART NUMBER 23066744

SERIAL NUMBER HX75016

Date Installed	Date Removed	Engine and Module S/N	Engine Model	Hours	Cycles	Overspeed Events * (as app)	Comments	Signature And Certificate #
11/26/99		CAE-847868 CAT-44635	C47M	0.00	0		ORIGINAL INSTALL	
12/9/05	12/9/05	CAE-847868 CAT-44635	C47M	1749.00	974		NEW ENGINE	

*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

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- ▶ 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 #

Service Accessory Record



Rolls-Royce

Part I

Page No. _____

Nomenclature HYDROMECHANICAL UNIT

Engine Model 250-C47M

Component serial number JGALM0450

Installed						Removed			
Date	Engine S/N	A/C S/N	Reg. #	Accy. Time		Date	Accy. Time		Reason
				Since OH	Total		Since OH	Total	
10-06-06	CAE-847868	RND41	N611BP	0.00	2511.90				



Rolls-Royce

16. Ap
18. Da



Overhaul - Transfer -
rd Accessory

Part II 1

Page No. _____

Model JEALM 0450 Engine Model 250- C47

AD & CEB compliance and transfer information in "Remarks" section.
card must accompany accessory at removal.

P/N	Accy. Time		Remarks	Signature and Certificate No.
	Since OH	Total		
23078031		2511:90	FROM: VEHICLE TOOLS TO H+S APPROV	R 6242726-01
23078031	Nil	2511:90	OVERHAULS I. A. W. MANUAL CSF 24009	
			ED: 1. REV: 7. CEB'S SATISFIED :-	
			73-6020, 6024, 6025, 6044, PH1 10011	 H+S 1498
			(73-6033), PH1 10013 (73-6035).	
			PH1 10020 (73-6039), PH1 10007 (73-10),	
			PH1 10024 (73-6042).	
23078031	675.40	3187.30	COMPLIED WITH CEB-73-6054 ONE TIME TORQUE OF METERING HEAD REG. COVER BOLTS.	A.S.T. TU3R8801 

AUTHORISED RELEASE EASA FORM

1. Approving Competent Authority/Country
CAA/United Kingdom

2.

4. Approved Organisation Name and Address

H+S Aviation Limited
Airport Service Road
Portsmouth
Hampshire PO3 5PJ England

Telephone +44 (0)23 9230 2300
Facsimile +44 (0)23 9230 2301
E-mail post@hsaviation.co.uk
www.hsaviation.co.uk



6. Item

0001

7. Description

HYDROMECHANICAL UNIT

8. Part Number

23078031

SIGN AND RETURN

SIGNATURE

PRINTED NAME

DATE

10/17/13	23078031	675.40	3187.30	COMPLIED WITH CEB-73-6054 ONE TORQUE OF METERING HEAD REG. CC
----------	----------	--------	---------	---

Service Accessory Record



Rolls-Royce

Nomenclature _____

HYDROMECHANICAL UNIT

Part I

Page No. _____

Component serial number _____

JGALM0450

Engine Model

250.C47

Date	Engine S/N	Installed		Accy. Time		Date	Removed		Reason
		A/C S/N	Reg. #	Since OH	Total		Since OH	Total	
9-16-04	CAE 847834	RU035	New BP	NEW	1711.90	2-6-06		2511.9	OVERHAUL / PERKIN

GT-11778(F) 5/00

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

Part II



Nomenclature HYDROMECHANICAL UNIT

Page No. _____

Component serial number JGALM0450

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		
8/11/04	23078031	NEW	11711.90	Repaired and functionally tested IAW Manufacturer's Specifications. Details filed under MGN: SF1350601 Complied with: CEB A 73-6030 R4, PMI-T0013 R2, PMI T0020, PMI T0024, CSL 6096 R1 *CEB A 73-6030 c/w Drive Spline Insp. only.	The aircraft engine and/or component shown above was repaired and inspected in accordance with current FAA Regulations. The repair is satisfactory for return to service. Repairs and the repair are on file at this location. No. FA119319 Date 8/11/04 [Signature] Authorized Signature ROLLS-ROYCE ENGINE SERVICES-OAKLAND, INC. P O Box 4100 Oakland International Airport Oakland Calif 94631-4100 C.R.S. No. W789931

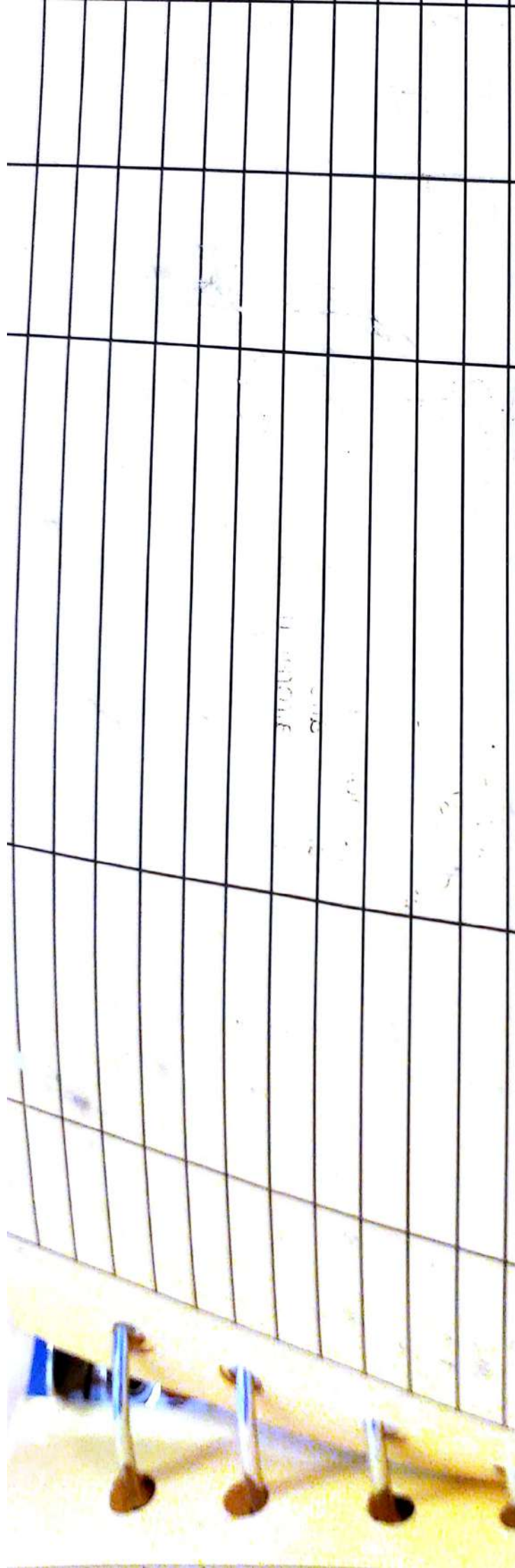
INSTALLED

REMOVED

A/C S/N	Accy. Time		Date	Accy. Time		Reason
	Since OH	Total		Since OH	Total	
RND40	NEW	0.0	2-12-99	NEW	100.6	AS PER CHANDLER EMM'S SPOOL DOWN NOISE
N1609BP	NEW REPAIRED	100.6	8-21-01	NEW	165.53	REPAIRS REPAIRS
RND40						
N1609BP						
RND40						
N1609BP						
RND38						
N1609BP	NEW	165.53	6-17-04	NEW	1711.96	Repair off upgrade
RND35						
N1609BP	NEW	1711.9	2-7-06	NEW	2511.9	High Time

TRANSFERRED / SHIPPED

From	To	Accy. Time		Date
		Since OH	Total	
ALLISON	MCDONNELL	NEW	0.0	
USBP LRT AIR OPS	CHANDLER ERNUS	NEW	150.6	
CECO	U.S. BP AIR OPS.	NEW	100.6	
Premier Turbines	Rolls- Royce	NEW	1711.935 1700.75	





AD NOTE COMPLIANCE AND CEB MODIFICATION RECORD ACCESSORY

HYDROMECHANICAL UNIT

Part III
Page No. _____

Component Serial Number JGALM0450 Engine Model 250-C47M

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					
	A-73-6021 PMI (10005)								
	A-73-6030	8-11-99		CECO S.B. 73-8					SFB2889C
	A-73-6033	100.6		73-9, 73-13, 73-14	X				J. J. Hoagland
	A-73-6030	11-28-00		IAW. CEB A-73-6030		X		1200.1	J. J. Hoagland
	A-73-6030	900.1				X			J. J. Hoagland
	A-73-6030	6-18-01							J. J. Hoagland
	A-73-6030	1201.3		IAW CEB A-73-6030		X		1501.3	J. J. Hoagland
									HP632A12759EM

One Time	Recurring	Next Comp. Date Next Comp. @ Hrs	Signature and Certificate Number

Service Accessory Record



Rolls-Royce

Nomenclature FUEL NOZZLE

Part I
Page No. _____

Component serial number 1WP08422

Allison Engine Model 250-C47M

Installed						Removed			
Date	Engine S/N	A/C S/N		Accy. Time		Date	Accy. Time		Reason
		Reg. No.		Since OH	Total		Since OH	Total	
11-26-99	CAE-847868			New	0.0	26-JUN3-02	NEW	1000.3	STREAKING REPAIR
17-JULY-02	CAE847868			NEW	1000.3	12-9-05	NEW	1749.0	
12/9/05	CAE 847868			0.0	1749.0				

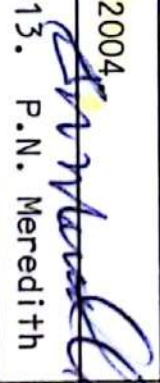
GT 11778T (10/98)

Date	P/N	Accy. Time		Remarks	Signature and Certificate No.
		Since OH	Total		
11-26-99	6899001	New	0.0	Shipped from Rolls-Royce Allison to: NAT'L AIR	Rolls-Royce Allison
DATE	TSN	TSO	WORK ACCOMPLISHED		
17-JULY-02	1000.3	NEW	INSPECTED AND REPAIRED FOR STREAKING, REASSEMBLED ON ENGINE, ENGINE TESTED AND PRESERVED I.A.W. CURRENT ROLLS ROYCE MANUAL #CSP22001. PERTINENT DETAILS OF THIS REPAIR ARE FILED AT THIS REPAIR STATION UNDER WORK ORDER #TR0870.		
DALLAS AIRMOTIVE RR 250 CERTIFICATE OF WORK ACCOMPLISHED			SIGNATURE		
DALLAS AIRMOTIVE RR 250 CERTIFICATE OF WORK ACCOMPLISHED			ORGANIZATION		
02/14/05	6899001		1651.1	COMPLETED ADDRESS-2409 SECT (E) RETIREMENT DUE 2008. DO NOT SIGNATURE	DALLAS AIRMOTIVE, INC. Y99R491L
					DALLAS AIRMOTIVE, INC. Y99R491L

DAL 250 Work Accomplished Certificate 2000

INSPECTION-MAINTENANCE OVERHAUL RECORD ACCESSORY

ature FUEL NOZZLE Serial Number 1WP08422 Model RR250-C47M

TSN	TSO	Remarks	Signature	Organization
1749.0	0.0	Overhauled IAW Rolls-Royce Manual CSP 22001, 2nd edition; revision 5, dated September 15, 2004 (including TRs dated up to April 7, 2005). Complied with CEB-A-73-6041, revision 1, dated August 30, 2004		NZUR892L Premier Turbines
		Details on file at this work station under wo#	4913. P.N. Meredith	

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

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

3. Form Tracking Number:
22333

4. Organization Name and Address: **Accurate Accessories**
14400 Veterans Way
Moreno Valley, CA 92553
USA
Ph: 951.656.0144, Fax: 951.656.0177
FAA Approval Holder: FAA ZR9R067X

5. Work Order, Contract or Invoice Number:
120387

6. Item	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	Valve, C30/C47, Compressor Bleed	23073353	N/A	1	FF 23607	OVERHAULED

13. REMARKS
 Unit was inspected, overhauled and tested IAW Rolls-Royce OHM 14W3, Section 75-10-02 and standard shop practices. A general description of work performed is attached as Work Order Form 001; under the part description listed in blocks 6, 7, 8, 10 & 11 as applicable. A complete description of work performed is on file under the Work Order tracking number in Block 3 & 5.
 T.T.: UNK T.S.O.: 0.00
 Complied with the following AD's and/or CEB's: CEB 75-3024
 Accurate Accessories, LLC certifies that the work specified in Block 12/13 was carried out in accordance with EASA 145 and in respect to that work the aircraft component is considered ready for release to service under EASA Part-145 Approval Certificate No: 145.5920

Unit received in poor condition. No ports capped and all safety tube.

Faults:

RUN-AS-RECEIVED TEST:

Confirmed functionality of unit.

TEARDOWN INSPECTION:

Disassembly found bellows assembly does not measure within due to protective coating being worn. Small orifice stuck due to components show normal wear and are within overhaul limits.

23073353.

Bin#:168

Corrective Actions:

CORRECTIVE ACTION:

Unit was inspected, overhauled and tested IAW Rolls-Royce C

REMARKS:

Scrap parts, airframe fitting and tube returned for customer dis

Rolls-Royce

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

ENGINE TEST LOG 250 SERIES

TEST NO. 29016

ENGINE SN 84968

MODEL 471A

TYPE TEST 511.8

DATE 11-24-89

LOG SHEET No. 2

STAND 147

P.T.S. No. 879

OIL TYPE 22669

TYPE FUEL J-1

SP. GR. 1.815

TIME	TRUE BAR	OUTSIDE HUMIDITY	DATA REQUIRED	TIME MIL CLOCK	POWER SETTING	GAS PRODUCER SPEED (N1)	DYNE SPEED	DYN FORCEMETER	DYN TORQUEMETER	ENGINE TORQUEMETER	CORR. SHAFT HORSEPOWER																																		
12:55	24.51	47																																											
GENERAL												1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25									
HORSEPOWER																																													
TURB																																													
OIL CONSUMPTION																																													
COMB CHAM																																													
FUEL DRAINAGE																																													

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

SEAL LEVEL - STATIC (UNITARY RAMP PERFORMANCE)	WFC MAX/CORR	CORR #	SEAL LEVEL - MAX/CORR	WFC MAX/CORR	CORR #	SEAL LEVEL - MIN ALLOW	WFC MAX/CORR	CORR #	SEAL LEVEL - % VAR	WFC MAX/CORR	CORR #
11.8	181	1730	21.0	175	1730	50.5	175	1730	11.8	175	1730
21.0	175	1730	50.5	175	1730	11.8	175	1730	11.8	175	1730
50.5	175	1730	11.8	175	1730	21.0	175	1730	21.0	175	1730
11.8	175	1730	21.0	175	1730	50.5	175	1730	50.5	175	1730
21.0	175	1730	50.5	175	1730	11.8	175	1730	11.8	175	1730
50.5	175	1730	11.8	175	1730	21.0	175	1730	21.0	175	1730

GT-6953-1 (2/89)

ENGINE SN 84968
MODEL 471A
TYPE TEST 511.8
DATE 11-24-89
LOG SHEET No. 2
STAND 147
P.T.S. No. 879
OIL TYPE 22669
TYPE FUEL J-1
SP. GR. 1.815

TEST NO. 29016

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

ENGINE TEST LOG
250 SERIES

TEST NO. 29016

ENGINE SN 84968
MODEL 471A
TYPE TEST 511.8
DATE 11-24-89
LOG SHEET No. 2
STAND 147
P.T.S. No. 879
OIL TYPE 22669
TYPE FUEL J-1
SP. GR. 1.815

CUSTOMER MON. N1 N2

COL. N1 N2
IDLE CC TO

REMARKS:

LOG SH. 2
No. STARTS 5
TOTAL TIME 3:33
DATE OF ACCEPT 11-24-89

MAG. PLUG	LOC.	COND.	ACTION
1			
2			
3			
4			

LOG SH. 2	No. STARTS 5	TOTAL TIME 3:33	DATE OF ACCEPT 11-24-89

ECU SN	T.M. CAL	COMP SEAL VENT ORIF DASH NO.
0083	850	3

ECU SN	T.M. CAL	COMP SEAL VENT ORIF DASH NO.
0083	850	3

TD ENGINE TEST

Part Name	Part No.	S/N	Part Name	Part No.
FADEC CONTROL ASSY (ECU)	23070257 23070264 23070259	JG8ALW0083	FUEL NOZZLE	6899001
PERMANENT MAGNET ALTERNATOR (PMA)	23064128 23064129	95420005	BLEED VALVE	23005366
HYDROMECHANICAL UNIT (HMU)	23072207 23072208	JGALM0708	N1 PICKUP	23054163
COMBINED ENGINE FILTER ASSY (CEFA)	23066682 23066681	JK0393	N2 PICKUP	23054164
ELECTRICAL HARNESS	23064230 23064230 23064230	0102	ANTI-ICE VALVE	6899080
CIT PROBE	23056915	01094	N2 O/S VALVE ASSY	23007827

288

07-28-97

PACKING ROOM CHECK SHEET

GEAR BOX

250-C40B, C47B, C47M

GEAR BOX S/N CAG- 44868

~~250-C40B P/N 23066745~~

~~250-C47M P/N 23066745~~

250-C47M P/N 23066745

DATE 11-26-99 CONTRACT OR P/O _____

DATE SHIPPED _____ DESTINATION _____ S.O. _____

SHIPPED WITH: ENGINE CAE- 847868 TSLO NEW TT NEW

PART NAME	PART NO.	S/N
-----------	----------	-----

1289
Rev. 05-14-99

PACKING ROOM CHECK SHEET
COMPRESSOR
250-C40B, C47B, C47M

COMPRESSOR S/N CAC-44853
~~250-C40B P/N 23065593~~
~~250-C47B P/N 23065593~~
250-C47M P/N 23065593

Date 11-26-99 Contract or P/O _____

Date Shipped _____ Destination _____ S.O. _____

Shipped with: Engine S/N CAE- 847868 TSLO NEW TT NEW

PART NAME	PART NO.	S/N
Compressor Rotor	23065592	31208
Impeller Assembly	23065591	JY100698
Spur Adapter Gearshaft	23056634	CG125053

NEW (X) OVERHAUL () REPAIR () MODIFICATION ()

Inspector R. Kloma

Certified Inspector _____

PACKING

INVOICE-P/L # 100045101

PACKING ROOM CHECK SHEET
TURBINE UNIT
250-C40B, C47B, C47M

TURBINE S/N CAT-44635
~~250-C40B P/N 23066274~~
~~250-C47B P/N 23066274~~
250-C47M P/N 23063354

1290
REV. 10-15-97

DATE SHIPPED 11-26-99 CONTACT OR P/N _____ TSLO NEW TT NEW
DESTINATION _____ S.O. _____
SHIPPED WITH: ENGINE CAE-847868

PART NAME	PART NO.	S/N	PART NAME	PART NO.	S/N
GAS TURBINE ROTOR ASSY.	23064610	33744	POWER TURBINE ROTOR ASSY.	23064627	46138
1ST STAGE WHEEL	23053299	X146166	3RD STAGE WHEEL	6898663	Hx93012
2ND STAGE WHEEL	23032280	Hx128576	4TH STAGE WHEEL	23066744	Hx75016

NEW (X) OVERHAUL () REPAIR () MODIFICATION ()
Inspector R. H. Heman Certified Inspector _____

95	95	93	92	95
----	----	----	----	----

CEB Compliance

Engine Series: Model 250- C47M

		CEB Number	Title	Date	Incorporated	Published?
Module:	Engine		Module Serial Number: CAE-847868			
		73-6003	Engine, Electrical System, Install New Clamping	10/31/96	Incorporated	Published
		73-6019	Engine, Fuel & Control, Revised Main and Accessory Harness Clamping		Incorporated	Not Published
		73-6029	Engine, Fuel & Control, Release of New CEFA with Increased Bypass Valve, Increased Thermal Lockout Temperature, and New Filter Element	5 /7 /99	Incorporated	Published

intent of the above Commercial Engine Bulletins have been incorporated.

s the original configuration of Engine Serial No.847868 as of 11/26/1999 shipped from Allison Engine Com

CEB Compliance

Engine Series: Model 250- C47M

<i>Module:</i>	<i>CEB Number</i>	<i>Title</i>	<i>Date</i>	<i>Incorporated</i>	<i>Published?</i>
ECU	A-73-6024	<i>Module Serial Number:</i> JG8ALW0083 Engine, Fuel & Control, One-Time Inspection of Internal Components of the ECU (C47M Only)	2 /23/98	Incorporated	Published

Content of the above Commercial Engine Bulletins have been incorporated.

in the original configuration of Engine Serial No.847868 as of 11/26/1999 shipped from Allison Engine Company

Module: HMU

Module Serial Number: JGALM0708

73-6004	Engine, Fuel and Control, HMU to CEFA Tube Assembly, Replace	01/31/97	Incorporated	Published
73-6021	Engine, Fuel & Control, Hydromechanical Unit Assembly - Incorporation of a Screened Standpipe	11/26/97	Incorporated	Published
73-6025	Engine, Fuel & Control, Release of New HMU for C47M Engines	3 /8 /99	Incorporated	Published

EB Compliance

Engine Series: Model 250- C47M

CEB Number Title

Date Incorporated Published?

Module: Bleed Valve

Module Serial Number: FF58728

Bleed Valve

None Applicable

Incorporated Not Published

of the above Commercial Engine Bulletins have been incorporated.

Original configuration of Engine Serial No. 847868 as of 11/26/1999 shipped from Allison Engine Com

Engine Series: Model 250- C47M

Compliance

CEB Number	Title	Date	Incorporated	Published?
Fuel Nozzle	Module Serial Number: 1WP08422		Incorporated	Not Published
Fuel Nozzle	None Applicable			

The intent of the above Commercial Engine Bulletins have been incorporated.

This is the original configuration of Engine Serial No.847868 as of 11/26/1999 shipped from Allison Engine Company.

Compliance

Engine Series: Model 250- C47M

<i>Module:</i>	CEB Number	Title	Date	Incorporated	Published?
Gearbox	Module Serial Number: CAG-47868				
	72-6006	Engine, Accessory Gearbox Assembly, Improved No. 3 & No. 4 Bearings, Install	1 /15/98	Incorporated	Published
	72-6012	Engine, Gearbox Assembly, Pinion Gear Roller Bearings, Replace		Incorporated	Not Published
	72-6014	Engine, Power & Accessory Gearbox, PTO Gearshaft Grooves - Add	6 /10/98	Incorporated	Published
	72-6022	Engine, Gearbox Assembly, Replace #3 & 4 Roller Bearing		Incorporated	Not Published

**The intent of the above Commercial Engine Bulletins have been incorporated.
This is the original configuration of Engine Serial No.847868 as of 11/26/1999 shipped from Allison Engine Co**

Compliance

Engine Series: Model 250- C47M

CEB Number	Title	Date	Incorporated	Published?
Compressor				
Module Serial Number: CAC-44853				
72-6002	Engine, Compressor, Scroll Assembly, Replacement	7 /30/97	Incorporated	Published
72-6007	Engine, Compressor Assembly, Release of New Number One Bearing Housing to Reduce One Hertz Whine	12/21/98	Incorporated	Published
72-6011	Engine, Compressor Assembly, Compressor Rear Support, New Stationary Seal Coating	2 /27/98	Incorporated	Published
72-6015	Engine, Compressor Assembly, Removal of Compressor Vent Gaskets	2 /15/98	Incorporated	Published
72-6025	Engine, Compressor Assembly, Release of New Number One Bearing Assembly	12/14/98	Incorporated	Published

**The intent of the above Commercial Engine Bulletins have been incorporated.
This is the original configuration of Engine Serial No.847868 as of 11/26/1999 shipped from Allison Engine Company.**

Compliance

Engine Series: Model 250- C47M

CEB Number	Title	Date	Incorporated	Published?
Turbine				
Module Serial Number: CAT-44635				
72-6001	Engine, Turbine, Release of #5 Labyrinth Seal Air Tube Slip Joint - Modification	10/31/96	Incorporated	Published
72-6013	Engine, Turbine Assembly, Release and Reidentification of Fourth Stage Turbine Wheel	12/15/97	Incorporated	Published
72-6017	Engine, Turbine Assembly, Replace Horizontal Fireshield	4 /30/98	Incorporated	Published
72-6024	Engine, Turbine Assembly, Modification of Horizontal Fireshield for Commonality		Incorporated	Not Published

The intent of the above Commercial Engine Bulletins have been incorporated.
This is the original configuration of Engine Serial No.847868 as of 11/26/1999 shipped from Allison Engine Company.



P.O. Box 420
Indianapolis, Indiana 46208-0420



PACKING LIST

INVOICE-P/L # 1000651016

PLEASE REFER TO THIS INVOICE WHEN REMITTING AND ON ALL CORRESPONDENCE

PAGE 1
SHIP DATE 12/05/98 12:54
PARTIAL Y FINAL

SHIP TO 00001
ARIZONA ROTORCRAFT, INC.
4927 EAST FALCON DRIVE
MESA, AZ 85215

SOLD TO 50179
ARIZONA ROTORCRAFT, INC.
4927 EAST FALCON DRIVE
MESA, AZ 85205

SPECIAL NOTES
FED EXP ACCT # 2145-3081-3

CUSTOMER P.O.	401013	# OF PKGS	0
B/L NO.	401815080032	GROSS WT	0
SHIP VIA	FEDERAL EXP-PRIOR 1	PKG TYPE	011
SHIP METHOD	COLLECT AIR		
SHIPMT TERMS	S		
RYMT TERMS	NET 30 DAYS		

LINE NO.	ITEM NUMBER	KEYWORD	PROD	HS #	QTY	UM	UNIT PRICE	EXTENDED PRICE
***** ** WARNING: MANUFACTURED WITH 1,1,1-TRICHLOROETHANE, A SUB ** PUBLIC HEALTH AND ENVIRONMENT BY DESTROYING OZONE IN T *****								
ITEMS LISTED BELOW ARE IN COMPLIANCE WITH ALL APPLICABLE CONTRACT, SPECIFICATIONS, AND DRAWING REQUIREMENTS AND ARE AS STATED IN THE APPLICABLE DOCUMENTATION ON FILE WHICH IS AVAILABLE UPON REQUEST. BY: T. J. MCGRATH DIRECTOR, ASSET MANAGEMENT								
02	23063144	LUBE FIL	38W4	8411.99		EA		
		EXPORT CONTROL - ZB5						
	0.00	X (REQUIRES A DEPARTMENT OF STATE LI						
	0.00	Y (COMMERCE CONTROL LIST ITEM)						
	1,230.30	Z (COMMERCE CONTROL LIST ITEM)						
							TOTAL	
END OF INVOICE								

Export License Number / Expiration Date: /

S/W 1000651010

YOU AS EXPORTER MUST OBTAIN ANY LICENSE REQUIRED FOR THESE COMMODITIES SENT TO FOREIGN DESTINATIONS OTHER THAN U.S. POSSESSIONS OR CANADA.

DO NOT DESIGNATE ALLISON ENGINE COMPANY AS EXPORTER.

MAY 13 1998

LOC9

This certifies that parts listed here have been manufactured in accordance with all applicable drawings and specifications. Their quality is controlled by conformance to MIL-Q-9858A specification and they have been produced under the surveillance of the U.S. Government in residence.

T. J. MCGRATH
DIRECTOR, ASSET MANAGEMENT

ALLISON ENGINE COMPANY

PACKING LIST

1. Approving national aviation authority/country

Transport Canada

2.

AUTHORIZED RELEASE CERTIFICATE
TCCA 24-0078

3. Form tracking No.

ARC #104156

4. Approved organization name and address

Standard Aero Limited, 33 Allen Dync Road, Winnipeg, MB R3H 1A1 Canada
AMO Approval No. 22-58

5. Work order/contract/invoice

L576441

P.O. #123661

6. Item	7. Description	8. Part No.	9. Eligibility*	10. Qty.	11. Serial/batch No.	12. Status/work
01	Scroll Assy., Compressor	23074076A	N/A	1	FU40941	OVERHAULED

13. Remarks

The product identified above has been overhauled in accordance with Rolls-Royce 250-C47 Overhaul Manual CSP22001 Edition 2, Revision 5 dated September 15, 2005 and the current maintenance rules of the Canadian Aviation Regulations. The product is approved serviceable for return to service in compliance with CAR 571, FAR Part 43.17, and EASA Part-145 (Reference EASA Acceptance Certificate EASA.145.7059). All pertinent details of the work performed are on file at this organization under Work Order No. (TCN) L576441.

T.T.S.N. Unk. Hrs. T.S.O. 0.0 Hrs.

CEB-A-72-6033 R2 (PMI B0010 R3)- EMBODIED

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

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.

- Approved design data and are in condition for safe operation.
- Non approved design data specified in block 13.

- CAR 571.10 Maintenance Release.
- Other regulations specified in block 13.

15. Authorized signature

16. Certificate/Approval ref. No.

20. Authorized signature

21. Certificate/Approval ref. No.

N/A

N/A

Ma. Teresa Batalla



AMO 22-58
EASA.145.7059

18. Date (dd/mm/yy)

22. Name

23. Date (dd/mm/yy)

N/A

N/A

Ma. Teresa Batalla

14 September, 2005

17. Name

1. Approving national aviation authority/country

Transport Canada

2.

AUTHORIZED RELEASE CERTIFICATE
TCCA 24-0078

3. Form tracking No.

ARC #104123

4. Approved organization name and address

Standard Aero Limited, 33 Allen Dyne Road, Winnipeg, MB R3H 1A1 Canada
AMO Approval No. 22-58

5. Work order/contract/invoice

L576440
P.O. #123659

6. Item	7. Description	8. Part No.	9. Eligibility*	10. Qty.	11. Serial/batch No.	12. Status/work
1	Nozzle Assy., Turbine, 1st Stage	23062061	N/A	1	E247519	OVERHAULED

13. Remarks

The product identified above has been overhauled in accordance with the Rolls-Royce 250-30R Overhaul Manual CSP22001 Edition 2 Revision 5 dated September 15, 2004, Parts Repair Procedures Letter PRPL 2-D005 dated January 1, 2004, Transport Canada approved Major Repair Certificate # C-RE99-51/D and the current maintenance rules of the Canadian Aviation Regulations. The product is approved serviceable for return to service in compliance with CAR 571, FAR Part 43.17 and EASA Part-145 (Ref. EASA Acceptance Certificate EASA.145.7059). All pertinent details of the work performed are on file at this organization under Work Order No. (TCN) L576440.

T.T.S.N. Unk. Hrs. T.S.O. 0.0 Hrs.

Flow Area: 4.49

14. Certifies that the 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. 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.

- CAR 571.10 Maintenance Release.
- Other regulations specified in block 13.

15. Authorized signature	16. Certificate/Approval ref. No.	20. Authorized signature	21. Certificate/Approval ref. No.
N/A	N/A	<i>Ma. Teresa Batalla</i>	AMO 22-58 EASA.145.7059
17. Name	18. Date (dd/mm/yy)	22. Name	23. Date (dd/mm/yy)
N/A	N/A	Ma. Teresa Batalla	9 September, 2005

PROPELLER				
APPLIANCE	Type			
	Manufacturer			

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
STANDARD AERO LIMITED 33 ALLEN DYNE ROAD WINNIPEG, MANITOBA, CANADA R3H 1A1	U.S. Certificated Mechanic	AMO 22-58
	Foreign Certificated Mechanic	
	<input checked="" type="checkbox"/> Certificated Repair Station	
	Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 9 / September / 2005	Signature of Authorized Individual <i>Ma. Teresa Batalla</i> Ma. Teresa Batalla
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is **APPROVED** **REJECTED**

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Person Approved by Transport Canada Airworthiness Group	

Date of APPROVAL 9 / September / 2005	Certificate or Designation No. AMO 22-58	Signature of Authorized Individual <i>Ma. Teresa Batalla</i> Ma. Teresa Batalla
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•• Value 15000 cannot be displayed using >>>9. (74)

		ISSUE RELEASE		ORIGINAL
x	- FOREST PARK	Lot : 807140		DATE 07/03/02 TIME 10:42
		WO TR0870 IC#	1 LINE	12

23065591 IMPELLER 1 FN a EA

CAE847868 25 037 ••>JY102221 <•• 7500 ????

•da U. S. BORDER PATROL 807140 ohm 290968

TIME CONTROLLED PART
CUSTOMER OWNED PROPERTY



INTAG 00762419 5FX

edwame8 RECEIVED TIME JUL. 3. 9:32AM PRINT TIME JUL. 3. 9:33AM

OPERATION	MECH. & DATE	VERIFY. & DATE															
<p>Confirm the impeller part number and serial number.</p> <p>Impeller P/N: <u>28065591</u> Impeller S/N: <u>JY102221</u></p> <p>Confirm that the impeller leading edge radius and blending have been complied with.</p> <p>Glass bead peen per DOIL2, Item C.</p>	<p>PT 5314 EMT</p> <p>9-22-05</p>	<p>PT 5388 EMT</p> <p>9-22-05</p>															
<p>Perform a tolerance inspection on the labyrinth seals:</p> <table border="0"> <thead> <tr> <th>Seal</th> <th>Seal Bore</th> <th>Seal Knives</th> <th>Clearance Desired</th> <th>Clearance</th> </tr> </thead> <tbody> <tr> <td></td> <td><u>6.316</u></td> <td><u>6.308</u></td> <td>Large 0.0035" - 0.0045"</td> <td><u>.004</u></td> </tr> <tr> <td></td> <td><u>1.5605</u></td> <td><u>1.556</u></td> <td>Small 0.0025" - 0.0035"</td> <td><u>.00225</u></td> </tr> </tbody> </table>	Seal	Seal Bore	Seal Knives	Clearance Desired	Clearance		<u>6.316</u>	<u>6.308</u>	Large 0.0035" - 0.0045"	<u>.004</u>		<u>1.5605</u>	<u>1.556</u>	Small 0.0025" - 0.0035"	<u>.00225</u>	<p>PT 5314 EMT</p> <p>9-22-05</p>	<p>PT 5388 EMT</p> <p>9-22-05</p>
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	<u>1.5605</u>	<u>1.556</u>	Small 0.0025" - 0.0035"	<u>.00225</u>													
<p>Measure and record the fit of splines adapter in the impeller.</p> <p><i>Fits will be measured at 3 axial planes and each plane will be measured at 3 radial planes.</i></p>																	

Dupuis, Carl

From: Rege.E.Hall@rolls-royce.com
Sent: Friday, July 19, 2002 4:33 PM
To: CDupuis@dallasairmotive.com
Subject: RE: Gearbox Serial Number

CNA0871-REH-0702

Dear Carl:

A search of manufacturing records indicates the gearbox serial number should be CAG 47868. The log cards are in err. Please use this message as your authorization to make an appropriate entry/correction in the engine log book pages.

Thanks for your assistance with this matter.

Regards

Rege Hall
Rolls-Royce
Model 250 Customer Support
ph: 317-230-2716 fax: 317-230-3381

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> -----Original Message-----

> From: CDupuis@dallasairmotive.com
> [mailto:CDupuis@dallasairmotive.com]
> Sent: Thursday, July 18, 2002 3:59 PM
> To: Rege.E.Hall@Rolls-Royce.com
> Cc: Gary.Gentz@Rolls-Royce.com
> Subject: Gearbox Serial Number
>

> << File: Gearbox Serial Number.doc >>

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