



Rolls-Royce

Life Limited Parts Record

ENGINE TYPE: TAY	ENGINE MARK: 650-15	ENGINE SERIAL No. 17419
ENGINE TSN: 34839	ENGINE CSN: 33471	DESPATCH TO : CLICK MEXICANA

CODE FOR REBUILD	
A = Replacement part fitted	D = Part No. Error Corrected
B = Part Modified - Refitted	E = Serial No. Error Corrected
C = Part Not Changed	

COMPONENT DESCRIPTION	ATA SECTION ITEM No.	PART No.	SERIAL No.	REBUILD CODE	TSN	CSN	DEC. LIFE	RES. LIFE
LP Compressor Rotor Disc	72.31.11 01-100	JR31198	STDK16894/A*	C	4152	3443	20000	16557
IP Comp. Rotor Disc Stage 1	72-33-31 01-025	JR28921	CTDK2705*	C	6900	6072	20000	13928
IP Comp. Rotor Disc Stage 2	72-33-32 02-025	JR28922	CTDK2772*	C	6900	6072	20000	13928
IP Comp. Rotor Disc Stage 3	72-33-33 03-025	JR29568	STDK12664*	C	6900	6072	20000	13928
LP/IP Comp. Drive Shaft	72-33-40 04-100	JR32465	PAVN3194*	C	6900	6072	20000	13928
HPC Rotor Rear Drive Shaft & Sleeve Assy	72-37-31 01-005	JR57309A	RRDSFTPABX25494	A	0	0	20000	20000
LP Comp. Rotor Drive Shaft	72-37-32 02-085	JR32466	SEABX574*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 1	72-37-33 03-165	JR18049	DETP4136*	C	6900	6072	19600	13528
HP Comp. Rotor Disc Stage 2	72-37-33 03-250	JR18742	SETP04227*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 3	72-37-33 03-295	JR18743	DETP4841*	C	6900	6072	19350	13278
HP Comp. Rotor Disc Stage 4	72-37-33 04-340	JR18744	DETP5157*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 5	72-37-33 04-385	JR18746	SETP04362*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 6	72-37-33 04-410	JR18748	SETP04395*	C	6900	6072	19750	13678
HP Comp. Rotor Disc Stage 7	72-37-33 04-435	JR17365	SETP04201*	C	6900	6072	19050	12978
HP Comp. Rotor Disc Stage 8	72-37-33 05-460	JR17367	SETM05627*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 9	72-37-35 05-485	JR17369	SETM05635*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 10	72-37-35 05-510	JR18526	DETM8170*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 11	72-37-35 05-535	JR17373	DETR1282*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 12	72-37-36 06-160	JR31928	DETM19535*	C	1901	1693	19900	18207
HP Comp. Rotor Disc Stage 10/11 Spacer	72-37-35 05-545	JR32298	EA838*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 11/12 Spacer	72-37-36 06-180	JR32213	HJ/Z43*	C	6900	6072	20000	13928

WARNING

RESIDUAL LIFE ONLY VALID AT DATE SHOWN BELOW. IT IS THE OPERATOR'S RESPONSIBILITY TO MONITOR LIFE USAGE DURING SERVICE.

Date: 16.FEB.2010

Print Name: JOE McLAUGHLAN

Signed: *Joe McLaughlan*

Approval Stamp



For Rolls-Royce plc

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



Rolls-Royce

TO WHOM IT MAY CONCERN

THIS PACKAGE CONTAINS AN ENGINE LOG BOOK.

IF IT IS NECESSARY FOR THIS PACKAGE TO BE OPENED OR REMOVED

IT IS ESSENTIAL THAT IT IS REPLACED IN THE SAME POSITION, CHECKING THAT
THE ENGINE SERIAL NUMBER CARRIES THE SAME SERIAL NUMBER AS QUOTED BELOW.


ENGINE SERIAL NUMBER

17419

ENGINE CERTIFICATION DATE: 16.FEB.2010

FOR AND ON BEHALF OF
ROLLS-ROYCE PLC,
AERO REPAIR AND OVERHAUL,
MAVOR AVENUE,
EAST KILBRIDE,
G74 4PY.

Approving Competent Authority/Country CAA/UNITED KINGDOM	AUTHORISED RELEASE CERTIFICATE EASA FORM 1	3. Form Tracking Number CN82266346-0010-001 Page 1 of 1
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4. Approved Organisation Name and Address  Rolls-Royce PARTS SERVICE CENTRE ROLLS-ROYCE PLC PO Box 31 DERBY DE24 8BJ	5. Work Order/Contract/Invoice ECS00534713 Case 2637311
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6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	DISC	JR33838	TAY 650	1 EA	LDQSQ12502	MANUFACTURED

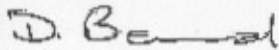
13. REMARKS: Where N/A is quoted in block 11 this indicates that these part(s) are not considered as requiring serial or batch number control by Rolls-Royce. Part(s) may have reference numbers from the manufacturing process.

1 CPO 0096771801 CPI 10

This document has been issued according to an approved computer generated signature procedure.

LAST PAGE

14. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> approved design data and are in condition for safe operation <input type="checkbox"/> non-approved design data specified in block 13	19. <input type="checkbox"/> Part-145A.50 Release to Service <input type="checkbox"/> 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 Part 145 and in respect to that work the items are considered ready for release to service.
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15. Authorised Signature 	16. Approval/Authorisation Number UK.21G.2003	20. Authorised Signature	21. Certificate/Approval Ref.No.
17. Name Donna Barnard	18. Date (d/m/y) 25 JAN 2010	22. Name	23. Date (d/m/y)

USER/INSTALLER RESPONSIBILITIES

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

Where the user/installer works in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts the parts/components/assemblies from the Airworthiness Authority specified in block 1.

Statements 14 and 19 do not constitute installation certification. In all cases the aircraft maintenance record must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

EASA Form 1 - Issue 1

* Installer must cross-check eligibility with applicable technical data

Tay Engine Test Vibration Results



Engine Type: 650

Engine Serial No: 17419

Date: Fri, 12-Feb-2010

Speed%		Broadband		HP Order				LP Order			
HP	LP	Front	Rear	Front		Rear		Front		Rear	
		(IPS)	(IPS)	(IPS)	(Hz)	(IPS)	(Hz)	(IPS)	(Hz)	(IPS)	(Hz)
99.3	92.1	0.23	0.30	0.08	201	0.07	201	0.18	129	0.19	129
98.5	90.4	0.20	0.23	0.08	199	0.07	199	0.13	126	0.14	126
95.9	85.3	0.27	0.31	0.05	194	0.04	194	0.24	119	0.29	119
92.9	80.0	0.22	0.24	0.06	188	0.06	188	0.17	112	0.19	112
90.3	74.9	0.21	0.22	0.05	183	0.04	183	0.08	105	0.10	105
81.9	55.9	0.34	0.31	0.04	166	0.04	166	0.23	78	0.20	78
79.2	49.9	0.22	0.21	0.06	160	0.05	160	0.18	70	0.17	70
77.9	47.8	0.24	0.22	0.09	158	0.08	158	0.20	67	0.18	67
76.9	45.3	0.21	0.22	0.03	155	0.03	155	0.12	63	0.12	63
75.3	42.3	0.19	0.22	0.02	152	0.02	152	0.13	59	0.15	59
74.1	39.7	0.20	0.18	0.04	150	0.04	150	0.15	56	0.14	56
73.1	37.4	0.15	0.14	0.06	148	0.06	148	0.12	52	0.11	52
69.9	35.1	0.13	0.13	0.04	141	0.04	141	0.11	49	0.10	49
65.6	32.0	0.16	0.16	0.03	133	0.03	133	0.15	45	0.15	45
62.7	30.0	0.19	0.18	0.03	127	0.03	127	0.17	42	0.17	42
55.5	25.2	0.08	0.07	0.02	112	0.02	112	0.04	35	0.02	35
52.6	23.3	0.15	0.14	0.01	106	0.01	106	0.14	33	0.13	33

Signed: *M Rev*

Date: 12/02/10

Inspection Stamp: RR K01



Rolls-Royce

Module Log Card Module 03 - HP Compressor

ENGINE TYPE: 650-15	MODULE PART No. M03301AA	MODULE SERIAL No. TM5119*
MODULE TSN: 6900	MODULE CSN: 6072	DESPATCH TO: CLICK MEXICANA

AT RECEIPT	AT DESPATCH
FITTED TO ENGINE 81019 ENGINE TSN: 6900 ENGINE CSN: 6072	FITTED TO ENGINE 17419 ENGINE TSN: 34839 ENGINE CSN: 33471

MODIFICATIONS EMBODIED THIS SHOP VISIT:-

72-1321 72-A1740
 72-1483
 72-1498
 72-1636
 72-1665
 72-A1653

MODIFICATIONS DELETED THIS SHOP VISIT:-

NIL

MODIFICATIONS FOUND THIS SHOP VISIT:-

NIL

WORK ACCOMPLISHED THIS SHOP VISIT:-

LEVEL 2 MAINTENANCE CARRIED OUT IN ACCORDANCE WITH TAY EMP RM1580 ISSUE 7 AND ENGINE MANUAL E-TAY-3RR REVISION 80 DATED JUN.15/09

Maintenance Release



Rolls-Royce

Certifies that the work specified above was carried out in accordance with FAR Part 43 and in respect to that work the part(s) is(are) approved to return to service. Pertinent details of the repair are on file at repair station under Order No. 1114915

Signed *Joe McLaughlan* Date: 16.FEB.2010

For Rolls-Royce plc
Foreign Repair Station Certificate No. DQ5Y814M

Inspection



Stamp

EASA Maintenance Certification



Rolls-Royce

Certifies that, unless otherwise specified, the work described was accomplished in accordance with Part-145 and in respect to that the items are considered ready for release to service.

Signed *Joe McLaughlan*

Print Name: JOE McLAUGHLAN
Approval Reference UK.145.00665

Inspection



Stamp

Date: 16.FEB.2010

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



Rolls-Royce

Life Limited Parts Record Module 03 - HP Compressor

ENGINE TYPE: 650-15	MODULE PART No. M03301AA	MODULE SERIAL No. TM5119*
MODULE TSN: 6900	MODULE CSN: 6072	DESPATCH TO: CLICK MEXICANA

CODE FOR REBUILD	
A = Replacement part fitted	D = Part No. Error Corrected
B = Part Modified - Refitted	E = Serial No. Error Corrected
C = Part Not Changed	

COMPONENT DESCRIPTION	ATA SECTION ITEM No.	PART No.	SERIAL No.	REBUILD CODE	TSN	CSN	DEC. LIFE	RES. LIFE
HPC Rotor Rear Drive Shaft & Sleeve Assy	72-37-31 01-005	JR57309A	RRDSFTPABX25494	A	0	0	20000	20000
LP Comp. Rotor Drive Shaft	72-37-32 02-085	JR32466	SEABX574*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 1	72-37-33 03-165	JR18049	DETP4136*	C	6900	6072	19600	13528
HP Comp. Rotor Disc Stage 2	72-37-33 03-250	JR18742	SETP04227*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 3	72-37-33 03-295	JR18743	DETP4841*	C	6900	6072	19350	13278
HP Comp. Rotor Disc Stage 4	72-37-33 04-340	JR18744	DETP5157*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 5	72-37-33 04-385	JR18746	SETP04362*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 6	72-37-33 04-410	JR18748	SETP04395*	C	6900	6072	19750	13678
HP Comp. Rotor Disc Stage 7	72-37-33 04-435	JR17365	SETP04201*	C	6900	6072	19050	12978
HP Comp. Rotor Disc Stage 8	72-37-33 05-460	JR17367	SETM05627*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 9	72-37-35 05-485	JR17369	SETM05635*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 10	72-37-35 05-510	JR18526	DETM8170*	C	6900	6072	20000	13928

WARNING

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Date: 16.FEB.2010

Print Name: JOE McLAUGHLAN

Signed: *Joe McLaughlan*

Approval Stamp



For Rolls-Royce plc

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925

CODE FOR REBUILD	
A = Replacement part fitted	D = Part No. Error Corrected
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C = Part Not Changed	

COMPONENT DESCRIPTION	ATA SECTION ITEM No.	PART No.	SERIAL No.	REBUILD CODE	TSN	CSN	DEC. LIFE	RES. LIFE
HP Comp. Rotor Disc Stage 11	72-37-35 05-535	JR17373	DETR1282*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 12	72-37-36 06-160	JR31928	DETM19535*	C	1901	1693	19900	18207
HP Comp. Rotor Disc Stage 10/11 Spacer	72-37-35 05-545	JR32298	EA838*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 11/12 Spacer	72-37-36 06-180	JR32213	HJ/Z43*	C	6900	6072	20000	13928

Components highlighted with an * have accumulated service time in another Tay Mark and thus has restrictions on the life remaining (c.f. with 650-15 limits). Remaining life is absolute and cannot be increased by pro rata calculations. See TLM 05-10-01.

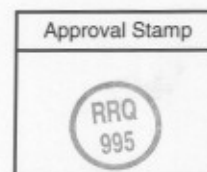
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Date: 16.FEB.2010

Print Name: JOE McLAUGHLAN

Signed: *Joe McLaughlan*



For Rolls-Royce plc

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



Rolls-Royce

Module Log Card

Module 04 - Combustion & HP Turbine

ENGINE TYPE: 650-15	MODULE PART No. M04301AA	MODULE SERIAL No. TM5119*
MODULE TSN: 6900	MODULE CSN: 6072	DESPATCH TO: CLICK MEXICANA

AT RECEIPT	AT DESPATCH
FITTED TO ENGINE 81019	FITTED TO ENGINE 17419
ENGINE TSN: 6900	ENGINE TSN: 34839
ENGINE CSN: 6072	ENGINE CSN: 33471

MODIFICATIONS EMBODIED THIS SHOP VISIT:-

72-1308 Pt1,2
 72-1467
 72-1479
 72-1665

MODIFICATIONS DELETED THIS SHOP VISIT:-

NIL

MODIFICATIONS FOUND THIS SHOP VISIT:-

72-1314 Pt5

WORK ACCOMPLISHED THIS SHOP VISIT:-

LEVEL 3 MAINTENANCE CARRIED OUT IN ACCORDANCE WITH TAY EMP RM1580 ISSUE 7 AND
 ENGINE MANUAL E-TAY-3RR REVISION 80 DATED JUN.15/09

Maintenance Release  **Rolls-Royce**

Certifies that the work specified above was carried out in accordance with FAR Part 43 and in respect to that work the part(s) is(are) approved to return to service. Pertinent details of the repair are on file at repair station under Order No. 1114915

Signed Joe McLaughlan Date: 16.FEB.2010

For Rolls-Royce plc
 Foreign Repair Station Certificate No. DQ5Y814M

Inspection 
 Stamp

EASA Maintenance Certification  **Rolls-Royce**

Certifies that, unless otherwise specified, the work described was accomplished in accordance with Part-145 and in respect to that the items are considered ready for release to service.

Signed Joe McLaughlan

Print Name: JOE McLAUGHLAN
 Approval Reference UK.145.00665

Inspection 
 Stamp

Date: 16.FEB.2010

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



Rolls-Royce

Life Limited Parts Record Module 04 - Combustion & HP Turbine

ENGINE TYPE: 650-15	MODULE PART No. M04301AA	MODULE SERIAL No. TM5119*
MODULE TSN: 6900	MODULE CSN: 6072	DESPATCH TO: CLICK MEXICANA

CODE FOR REBUILD	
A = Replacement part fitted	D = Part No. Error Corrected
B = Part Modified - Refitted	E = Serial No. Error Corrected
C = Part Not Changed	

COMPONENT DESCRIPTION	ATA SECTION ITEM No.	PART No.	SERIAL No.	CODE	TSN	CSN	DEC. LIFE	RES. LIFE
HP Turbine Shaft and Seal Assembly	72-41-31 01-010	JR57310A	RRSFTPAVX1659	A	0	0	21000	21000
Stage 1 HP Turbine Rotor Disc Assembly	72-41-31 02-010	JR33838	LDQSQ12502	A	0	0	18000	18000
Stage 2 HP Turbine Rotor Disc Assembly	72-41-33 03-250	JR33839A	DMQSQ1262/A*	C	6900	6072	20000	13928
Stage 2 HP Turbine Rotor Disc Sleeve	72-41-33 03-260	NPG2269	DMQSQ1381*	C	6900	6072	20000	13928

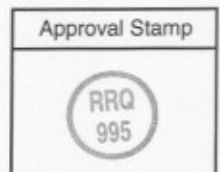
Components highlighted with an * have accumulated service time in another Tay Mark and thus has restrictions on the life remaining (c.f. with 650-15 limits). Remaining life is absolute and cannot be increased by pro rata calculations. See TLM 05-10-01.

WARNING

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Date: 16.FEB.2010

Print Name: JOE McLAUGHLAN

Signed: *Joe McLaughlan*

For Rolls-Royce plc

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



Rolls-Royce

Module Log Card Module 05 - LP Turbine

ENGINE TYPE: 650-15	MODULE PART No. M05300AA	MODULE SERIAL No. TM5119*
MODULE TSN: 6900	MODULE CSN: 6072	DESPATCH TO: CLICK MEXICANA

AT RECEIPT	AT DESPATCH
FITTED TO ENGINE 81019	FITTED TO ENGINE 17419
ENGINE TSN: 6900	ENGINE TSN: 34839
ENGINE CSN: 6072	ENGINE CSN: 33471

MODIFICATIONS EMBODIED THIS SHOP VISIT:-

- 72-1300
- 72-1320 Pt3
- 72-1358 Pt1,2
- 72-1364
- 72-1479
- 72-1589

MODIFICATIONS DELETED THIS SHOP VISIT:-

NIL

MODIFICATIONS FOUND THIS SHOP VISIT:-

NIL

WORK ACCOMPLISHED THIS SHOP VISIT:-

LEVEL 2 MAINTENANCE CARRIED OUT IN ACCORDANCE WITH TAY EMP RM1580 ISSUE 7 AND ENGINE MANUAL E-TAY-3RR REVISION 80 DATED JUN.15/09

Maintenance Release



Rolls-Royce

Certifies that the work specified above was carried out in accordance with FAR Part 43 and in respect to that work the part(s) is(are) approved to return to service. Pertinent details of the repair are on file at repair station under Order No. 1114915

Signed *Joe McLaughlan* Date: 16.FEB.2010 Inspection Stamp

For Rolls-Royce plc
Foreign Repair Station Certificate No. DQ5Y814M

EASA Maintenance Certification



Rolls-Royce

Certifies that, unless otherwise specified, the work described was accomplished in accordance with Part-145 and in respect to that the items are considered ready for release to service.

Signed *Joe McLaughlan* Date: 16.FEB.2010 Inspection Stamp

Print Name: JOE McLAUGHLAN
Approval Reference UK.145.00665

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



Rolls-Royce

Life Limited Parts Record Module 05 - LP Turbine

ENGINE TYPE: 650-15	MODULE PART No. M05300AA	MODULE SERIAL No. TM5119*
MODULE TSN: 6900	MODULE CSN: 6072	DESPATCH TO: CLICK MEXICANA

CODE FOR REBUILD	
A = Replacement part fitted	D = Part No. Error Corrected
B = Part Modified - Refitted	E = Serial No. Error Corrected
C = Part Not Changed	

COMPONENT DESCRIPTION	ATA SECTION ITEM No.	PART No.	SERIAL No.	CODE	TSN	CSN	DEC. LIFE	RES. LIFE
LP Turbine Shaft and Seal Assembly	72-52-21 01-450	JR32471	EAVN971*	C	6900	6072	20000	13928
Stage 1 LP Turbine Rotor Disc Assembly	72-52-22 02-400	JR32318A	EETM8847	A	0	0	18000	18000
Stage 2 LP Turbine Rotor Disc Assembly	72-52-23 03-440	JR32319	EETM4134*	C	6900	6072	20000	13928
Stage 3 LP Turbine Rotor Disc Assembly	72-52-24 03-400	JR32320A	DETM8362/A*	C	6900	6072	20000	13928

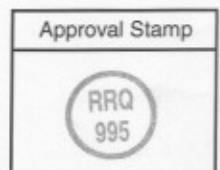
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WARNING

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Date: 16.FEB.2010

Print Name: JOE McLAUGHLAN

Signed: *Joe McLaughlan*

For Rolls-Royce plc

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



Rolls-Royce

Group B Parts Record Module 05 - LP Turbine

ENGINE TYPE: 650-15	MODULE PART No. M05300AA	MODULE SERIAL No. TM5119*
MODULE TSN: 6900	MODULE CSN: 6072	DESPATCH TO: CLICK MEXICANA

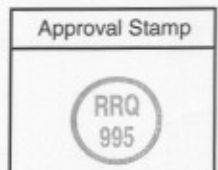
CODE FOR REBUILD	
A = Replacement part fitted	D = Part No. Error Corrected
B = Part Modified - Refitted	E = Serial No. Error Corrected
C = Part Not Changed	

COMPONENT DESCRIPTION	ATA SECTION ITEM No.	PART No.	SERIAL No.	CODE	TSN	CSN
Stage 2 LP Nozzle Guide Vane	72.52.10 01-700	JR34496A	N/A	C	6900	6072

Date: 16.FEB.2010

Print Name: JOE McLAUGHLAN

Signed: *Joe McLaughlan*



For Rolls-Royce plc

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



Rolls-Royce

Module Log Card

Module 06 - High Speed Gearbox

ENGINE TYPE: 650-15	MODULE PART No. M06300AA	MODULE SERIAL No. TM4420
MODULE TSN: 34839	MODULE CSN: 33471	DESPATCH TO: CLICK MEXICANA

AT RECEIPT	AT DESPATCH
FITTED TO ENGINE 17419 ENGINE TSN: 34839 ENGINE CSN: 33471	FITTED TO ENGINE 17419 ENGINE TSN: 34839 ENGINE CSN: 33471

MODIFICATIONS EMBODIED THIS SHOP VISIT:-

72-1401
72-1472

MODIFICATIONS DELETED THIS SHOP VISIT:-

NIL

MODIFICATIONS FOUND THIS SHOP VISIT:-


NIL

WORK ACCOMPLISHED THIS SHOP VISIT:-

LEVEL 4 MAINTENANCE CARRIED OUT IN ACCORDANCE WITH TAY EMP RM1580 ISSUE 7 AND ENGINE MANUAL E-TAY-3RR REVISION 80 DATED JUN.15/09


Maintenance Release Rolls-Royce

Certifies that the work specified above was carried out in accordance with FAR Part 43 and in respect to that work the part(s) is(are) approved to return to service. Pertinent details of the repair are on file at repair station under Order No. 1114915

Signed Joe McLaughlan Date: 16.FEB.2010 Inspection Stamp 
For Rolls-Royce plc
Foreign Repair Station Certificate No. DQ5Y814M

EASA Maintenance Certification Rolls-Royce

Certifies that, unless otherwise specified, the work described was accomplished in accordance with Part-145 and in respect to that the items are considered ready for release to service.

Signed Joe McLaughlan Date: 16.FEB.2010 Inspection Stamp 
Print Name: JOE McLAUGHLAN
Approval Reference UK.145.00665

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



Rolls-Royce

Module Log Card Module 07 - Intermediate Compressor Case

ENGINE TYPE: 650-15	MODULE PART No. M07300AA	MODULE SERIAL No. TM5119*
MODULE TSN: 6900	MODULE CSN: 6072	DESPATCH TO: CLICK MEXICANA

AT RECEIPT	AT DESPATCH
FITTED TO ENGINE 81019	FITTED TO ENGINE 17419
ENGINE TSN: 6900	ENGINE TSN: 34839
ENGINE CSN: 6072	ENGINE CSN: 33471

MODIFICATIONS EMBODIED THIS SHOP VISIT:-

- 72-1399 Pt9
- 72-1480
- 72-1499
- 72-1633 Pt1-3
- 72-1635

MODIFICATIONS DELETED THIS SHOP VISIT:-

NIL

MODIFICATIONS FOUND THIS SHOP VISIT:-

NIL

WORK ACCOMPLISHED THIS SHOP VISIT:-

LEVEL 2 MAINTENANCE CARRIED OUT IN ACCORDANCE WITH TAY EMP RM1580 ISSUE 7 AND ENGINE MANUAL E-TAY-3RR REVISION 80 DATED JUN.15/09

Maintenance Release



Rolls-Royce

Certifies that the work specified above was carried out in accordance with FAR Part 43 and in respect to that work the part(s) is(are) approved to return to service. Pertinent details of the repair are on file at repair station under Order No. 1114915

Signed Joe McLaughlan Date: 16.FEB.2010

For Rolls-Royce plc
Foreign Repair Station Certificate No. DQ5Y814M

Inspection
Stamp



EASA Maintenance Certification



Rolls-Royce

Certifies that, unless otherwise specified, the work described was accomplished in accordance with Part-145 and in respect to that the items are considered ready for release to service.

Signed Joe McLaughlan

Print Name: JOE McLAUGHLAN
Approval Reference UK.145.00665

Inspection
Stamp



Date: 16.FEB.2010

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



Rolls-Royce

Life Limited Parts Record

ENGINE TYPE: TAY	ENGINE MARK: 650-15	ENGINE SERIAL No. 17419
ENGINE TSN: 34839	ENGINE CSN: 33471	DESPATCH TO : CLICK MEXICANA

CODE FOR REBUILD	
A = Replacement part fitted	D = Part No. Error Corrected
B = Part Modified - Refitted	E = Serial No. Error Corrected
C = Part Not Changed	

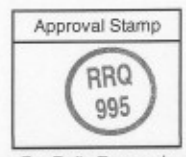
COMPONENT DESCRIPTION	ATA SECTION ITEM No.	PART No.	SERIAL No.	REBUILD CODE	TSN	CSN	DEC. LIFE	RES. LIFE
LP Compressor Rotor Disc	72.31.11 01-100	JR31198	STDK16894/A*	C	4152	3443	20000	16557
IP Comp. Rotor Disc Stage 1	72-33-31 01-025	JR28921	CTDK2705*	C	6900	6072	20000	13928
IP Comp. Rotor Disc Stage 2	72-33-32 02-025	JR28922	CTDK2772*	C	6900	6072	20000	13928
IP Comp. Rotor Disc Stage 3	72-33-33 03-025	JR29568	STDK12664*	C	6900	6072	20000	13928
LP/IP Comp. Drive Shaft	72-33-40 04-100	JR32465	PAVN3194*	C	6900	6072	20000	13928
HPC Rotor Rear Drive Shaft & Sleeve Assy	72-37-31 01-005	JR57309A	RRDSFTPABX25494	A	0	0	20000	20000
LP Comp. Rotor Drive Shaft	72-37-32 02-085	JR32466	SEABX574*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 1	72-37-33 03-165	JR18049	DETP4136*	C	6900	6072	19600	13528
HP Comp. Rotor Disc Stage 2	72-37-33 03-250	JR18742	SETP04227*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 3	72-37-33 03-295	JR18743	DETP4841*	C	6900	6072	19350	13278
HP Comp. Rotor Disc Stage 4	72-37-33 04-340	JR18744	DETP5157*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 5	72-37-33 04-385	JR18746	SETP04362*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 6	72-37-33 04-410	JR18748	SETP04395*	C	6900	6072	19750	13678
HP Comp. Rotor Disc Stage 7	72-37-33 04-435	JR17365	SETP04201*	C	6900	6072	19050	12978
HP Comp. Rotor Disc Stage 8	72-37-33 05-460	JR17367	SETM05627*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 9	72-37-35 05-485	JR17369	SETM05635*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 10	72-37-35 05-510	JR18526	DETM8170*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 11	72-37-35 05-535	JR17373	DETR1282*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 12	72-37-36 06-160	JR31928	DETM19535*	C	1901	1693	19900	18207
HP Comp. Rotor Disc Stage 10/11 Spacer	72-37-35 05-545	JR32298	EA838*	C	6900	6072	20000	13928
HP Comp. Rotor Disc Stage 11/12 Spacer	72-37-36 06-180	JR32213	HJ/Z43*	C	6900	6072	20000	13928

WARNING RESIDUAL LIFE ONLY VALID AT DATE SHOWN BELOW. IT IS THE OPERATOR'S RESPONSIBILITY TO MONITOR LIFE USAGE DURING SERVICE.

Date: 16.FEB.2010

Print Name: JOE McLAUGHLAN

Signed: *Joe McLaughlan*



For Rolls-Royce plc

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



Rolls-Royce

Life Limited Parts Record

ENGINE TYPE: TAY	ENGINE MARK: 650-15	ENGINE SERIAL No. 17419
ENGINE TSN: 34839	ENGINE CSN: 33471	DESPATCH TO : CLICK MEXICANA

CODE FOR REBUILD	
A = Replacement part fitted	D = Part No. Error Corrected
B = Part Modified - Refitted	E = Serial No. Error Corrected
C = Part Not Changed	

COMPONENT DESCRIPTION	ATA SECTION ITEM No.	PART No.	SERIAL No.	REBUILD CODE	TSN	CSN	DEC. LIFE	RES. LIFE
HP Turbine Shaft and Seal Assembly	72-41-31 01-010	JR57310A	RRSFTPAVX1659	A	0	0	21000	21000
Stage 1 HP Turbine Rotor Disc Assembly	72-41-31 02-010	JR33838	LDQSQ12502	A	0	0	18000	18000
Stage 2 HP Turbine Rotor Disc Assembly	72-41-33 03-250	JR33839A	DMQSQ1262/A*	C	6900	6072	20000	13928
Stage 2 HP Turbine Rotor Disc Sleeve	72-41-33 03-260	NPG2269	DMQSQ1381*	C	6900	6072	20000	13928
LP Turbine Shaft and Seal Assembly	72-52-21 01-450	JR32471	EAVN971*	C	6900	6072	20000	13928
Stage 1 LP Turbine Rotor Disc Assembly	72-52-22 02-400	JR32318A	EETM8847	A	0	0	18000	18000
Stage 2 LP Turbine Rotor Disc Assembly	72-52-23 03-440	JR32319	EETM4134*	C	6900	6072	20000	13928
Stage 3 LP Turbine Rotor Disc Assembly	72-52-24 03-400	JR32320A	DETM8362/A*	C	6900	6072	20000	13928

Components highlighted with an * have accumulated service time in another Tay Mark and thus has restrictions on the life remaining (c.f. with 650-15 limits). Remaining life is absolute and cannot be increased by pro rata calculations. See TLM 05-10-01.

WARNING

RESIDUAL LIFE ONLY VALID AT DATE SHOWN BELOW. IT IS THE OPERATOR'S RESPONSIBILITY TO MONITOR LIFE USAGE DURING SERVICE.

Date: 16.FEB.2010

Print Name: JOE McLAUGHLAN

Signed: *Joe McLaughlan*

Approval Stamp



For Rolls-Royce plc

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



Rolls-Royce

Engine Log Card

ENGINE TYPE: TAY	ENGINE MARK. 650-15	ENGINE SERIAL No. 17419
ENGINE TSN: 34839	ENGINE CSN: 33471	DESPATCH TO: CLICK MEXICANA

MODULE FITTED RECORD				
MODULE TYPE	AT RECEIPT		AT DESPATCH	
	PART No.	SERIAL No.	PART No.	SERIAL No.
01 - LP Compressor Rotor	M01300AA	TM4419	M01300AA	TM5119*
02 - IP Compressor Rotor	M02300AA	TM4419	M02300AA	TM5119*
03 - HP Compressor	M03300AA	TM4419	M03301AA	TM5119*
04 - Combustion & HP Turbine	M04300AA	TM4419	M04301AA	TM5119*
05 - LP Turbine	M05300AA	TM4419	M05300AA	TM5119*
06 - Gearbox	M06300AA	TM4420	M06300AA	TM4420
07 - Intermediate Case	M07300AA	TM4419	M07300AA	TM5119*

NON MODULAR MODIFICATIONS EMBODIED THIS SHOP VISIT:-

72-1307 76-1466
72-1357 77-1380
72-1528 77-1454
72-A1643 79-1411
73-1194 Pt2 79-1426 Pt1-8,14,15
73-1710

NON MODULAR MODIFICATIONS DELETED THIS SHOP VISIT:-

NIL

NON MODULAR MODIFICATIONS FOUND THIS SHOP VISIT:-

73-1592

WORK ACCOMPLISHED THIS SHOP VISIT:-


THE ENGINE WAS REPAIRED IN ACCORDANCE WITH WORKSCOPE REFERENCE T2564, RM1580 ISSUE 7 AND TAY ENGINE MANUAL E-TAY-3RR REVISION 80 DATED JUN.15/09

Maintenance Release Rolls-Royce

Certifies that the work specified above was carried out in accordance with FAR Part 43 and in respect to that work the part(s) is(are) approved to return to service. Pertinent details of the repair are on file at repair station under Order No. 1114915

Signed Joe McLaughlan Date: 16.FEB.2010

For Rolls-Royce plc
Foreign Repair Station Certificate No. DQ5Y814M

Inspection Stamp 

EASA Maintenance Certification Rolls-Royce

Certifies that, unless otherwise specified, the work described was accomplished in accordance with Part-145 and in respect to that the items are considered ready for release to service.

Signed Joe McLaughlan

Print Name: JOE McLAUGHLAN
Approval Reference UK.145.00665

Inspection Stamp 

Date: 16.FEB.2010

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



ENGINE TYPE: TAY	ENGINE MARK: 650-15	ENGINE SERIAL No. 17419
ENGINE TSN: 34839	ENGINE CSN: 33471	DESPATCH TO: CLICK MEXICANA

CODE FOR REBUILD	
A = Replacement part fitted	D = Part Not Installed
B = Part Modified & Refitted	E = Part No. Error Corrected
C = Part Not Changed	F = Serial No. Error Corrected

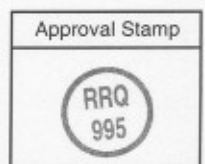
COMPONENT DESCRIPTION	ATA SECTION ITEM	TYPE	SERIAL No.	REBUILD CODE	TSN	TSO	RELEASE DOC REF (If applicable)
LP Fuel Pump	73-11-04	BP230/MK5	4871	A	6900	N/A	
HP Fuel Pump	73-11-05	GD 501	L4120	A	6900	N/A	
HP Fuel Shut Off Valve	73-11-07	SOC 503	B7110	A	6900	N/A	
Fuel Flow Regulator	73-21-01	CASC509	L2112	A	6900	N/A	
LP Shaft Governor	73-21-02	LPG 500	L1176	A	6900	N/A	
AFC RPM Signal Transmitter	75-32-20	ACA 501	L2628	A	1901	N/A	
Airflow Control Regulator & Actuator	75-32-02	JR34181A	KK10298	A	6521	N/A	
Air Starter	80-11-01	NOT	RECEIVED	D			
Air Starter Control Valve	80-11-01	NOT	RECEIVED	D			
Oil Cooler Assembly	79-22-01	JR31848A	FC21747	C	34839	NIL	
Oil Pressure Transmitter	77-47-01	APTE173RT1-75G	5678-1A-493	C	N/K	N/K	
Approach Idle Solenoid	73-21-06	SV 500	L596	A	6900	N/K	
T2.6 Thermal Unit	75-32-40	88-1221-MOD1	28609	A	6900	N/A	

WHERE POSSIBLE PHYSICAL IDENTITY CONFIRMED OTHERWISE INFORMATION IS AS DECLARED BY THE OPERATOR

Date: 16.FEB.2010

Print Name: JOE McLAUGHLAN

Signed: *Joe McLaughlan*



For Rolls-Royce plc

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



Rolls-Royce

Module Log Card

Module 01 - LP Compressor Rotor

ENGINE TYPE: 650-15	MODULE PART No. M01300AA	MODULE SERIAL No. TM5119*
MODULE TSN: 6900	MODULE CSN: 6072	DESPATCH TO: CLICK MEXICANA

AT RECEIPT	AT DESPATCH
FITTED TO ENGINE 81019 ENGINE TSN: 6900 ENGINE CSN: 6072	FITTED TO ENGINE 17419 ENGINE TSN: 34839 ENGINE CSN: 33471

MODIFICATIONS EMBODIED THIS SHOP VISIT:-

72-1442
72-1479
72-1603

MODIFICATIONS DELETED THIS SHOP VISIT:-

NIL

MODIFICATIONS FOUND THIS SHOP VISIT:-

NIL

WORK ACCOMPLISHED THIS SHOP VISIT:-

LEVEL 2 MAINTENANCE CARRIED OUT IN ACCORDANCE WITH TAY EMP RM1580 ISSUE 7 AND
ENGINE MANUAL E-TAY-3RR REVISION 80 DATED JUN.15/09

Maintenance Release



Rolls-Royce

Certifies that the work specified above was carried out in accordance with FAR Part 43 and in respect to that work the part(s) is(are) approved to return to service. Pertinent details of the repair are on file at repair station under Order No. 1114915

Signed *Joe McLaughlan* Date: 16.FEB.2010

For Rolls-Royce plc
Foreign Repair Station Certificate No. DQ5Y814M

Inspection
Stamp



EASA Maintenance Certification



Rolls-Royce

Certifies that, unless otherwise specified, the work described was accomplished in accordance with Part-145 and in respect to that the items are considered ready for release to service.

Signed *Joe McLaughlan*

Print Name: JOE McLAUGHLAN
Approval Reference UK.145.00665

Inspection
Stamp



Date: 16.FEB.2010

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



Rolls-Royce

Life Limited Parts Record Module 01 - LP Compressor Rotor

ENGINE TYPE: 650-15	MODULE PART No. M01300AA	MODULE SERIAL No. TM5119*
MODULE TSN: 6900	MODULE CSN: 6072	DESPATCH TO: CLICK MEXICANA

CODE FOR REBUILD	
A = Replacement Part Fitted	D = Part No. Error Corrected
B = Part Modified - Refitted	E = Serial No. Error Corrected
C = Part Not Changed	

COMPONENT DESCRIPTION	ATA SECTION ITEM No.	PART No.	SERIAL No.	REBUILD CODE	TSN	CSN	DEC. LIFE	RES. LIFE
LP Compressor Rotor Disc	72.31.11 01-100	JR31198	STDK16894/A*	C	4152	3443	20000	16557

Components highlighted with an * have accumulated service time in another Tay Mark and thus has restrictions on the life remaining (c.f. with 650-15 limits). Remaining life is absolute and cannot be increased by pro rata calculations. See TLM 05-10-01.

WARNING

RESIDUAL LIFE ONLY VALID AT DATE SHOWN BELOW.

IT IS THE OPERATOR'S RESPONSIBILITY TO MONITOR LIFE USAGE DURING SERVICE.

Date: 16.FEB.2010

Print Name: JOE McLAUGHLAN

Signed: *Joe McLaughlan*

Approval Stamp



For Rolls-Royce plc

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



Rolls-Royce

Fan Blade Chart

Module 01 - LP Compressor Rotor

ENGINE TYPE: 650-15	MODULE PART No. M01300AA	MODULE SERIAL No. TM5119*
MODULE TSN: 6900	MODULE CSN: 6072	DESPATCH TO: CLICK MEXICANA

CODE FOR REBUILD

A = Replacement part fitted	D = Part No. Error Corrected
B = Part Modified - Refitted	E = Serial No. Error Corrected
C = Part Not Changed	

POS.	PART No.	SERIAL No.	RADIAL POSITION "AB"	AXIAL POSITION "AB"	TAN POSITION "AC"	TSN	CSN	REBUILD CODE
01	JR31911	RGD12463*	672312.00	-4710.00	5570.00	5598	5260	C
02	JR31911	RGD12324*	657677.00	-5838.00	6034.00	5598	5260	C
03	JR31911	RGD12581*	670417.00	-5702.00	5034.00	5598	5260	C
04	JR31911	DGB32369*	666232.00	-6338.00	7172.00	5598	5260	C
05	JR31911	RGD12478*	668417.00	-4902.00	3272.00	5598	5260	C
06	JR31911	DGB32366*	670721.00	-6684.00	6308.00	4152	3443	C
07	JR31911	RGD12264*	661838.00	-4888.00	5552.00	5598	5260	C
08	JR31911	RGD12474*	668395.00	-5414.00	5142.00	5598	5260	C
09	JR31911	RGD12370*	668935.00	-4938.00	4840.00	5598	5260	C
10	JR31911	RGD12432*	666993.00	-5554.00	4912.00	5598	5260	C
11	JR31911	DGB32307*	667263.00	-6758.00	7162.00	5598	5260	C
12	JR31911	RGD12586*	670966.00	-5194.00	4586.00	5598	5260	C
13	JR31911	RGD12123*	661701.00	-4244.00	3784.00	5598	5260	C
14	JR31911	RGD12464*	669557.00	-4268.00	4654.00	5598	5260	C
15	JR31911	RGD12266*	668620.00	-6476.00	6674.00	5598	5260	C
16	JR31911	RGD12387*	666953.00	-6368.00	5910.00	5598	5260	C
17	JR31911	RGD12461*	670460.00	-5232.00	6310.00	5598	5260	C
18	JR31911	RGD12148*	665373.00	-6248.00	4752.00	5598	5260	C
19	JR31911	RGD12545*	667049.00	-5682.00	5712.00	5598	5260	C
20	JR31911	RGD12337*	668898.00	-4834.00	5664.00	5598	5260	C
21	JR31911	RGD12262*	667875.00	-5636.00	6356.00	5598	5260	C
22	JR31911	RGD12327*	667538.00	-5358.00	6184.00	5598	5260	C

Date: 16.FEB.2010

Print Name: JOE McLAUGHLAN

Signed: *Joe McLaughlan*

Approval Stamp



For Rolls-Royce plc

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



Rolls-Royce

Module Log Card Module 02 - IP Compressor

ENGINE TYPE: 650-15	MODULE PART No. M02300AA	MODULE SERIAL No. TM5119*
MODULE TSN: 6900	MODULE CSN: 6072	DESPATCH TO: CLICK MEXICANA

AT RECEIPT	AT DESPATCH
FITTED TO ENGINE 81019 ENGINE TSN: 6900 ENGINE CSN: 6072	FITTED TO ENGINE 17419 ENGINE TSN: 34839 ENGINE CSN: 33471

MODIFICATIONS EMBODIED THIS SHOP VISIT:-
72-1479

MODIFICATIONS DELETED THIS SHOP VISIT:-
NIL


MODIFICATIONS FOUND THIS SHOP VISIT:-
NIL

WORK ACCOMPLISHED THIS SHOP VISIT:-

LEVEL 1 MAINTENANCE CARRIED OUT IN ACCORDANCE WITH TAY EMP RM1580 ISSUE 7 AND ENGINE MANUAL E-TAY-3RR REVISION 80 DATED JUN.15/09


Maintenance Release Rolls-Royce

Certifies that the work specified above was carried out in accordance with FAR Part 43 and in respect to that work the part(s) is(are) approved to return to service. Pertinent details of the repair are on file at repair station under Order No. 1114915

Signed Joe McLaughlan Date: 16.FEB.2010 Inspection Stamp 
For Rolls-Royce plc
Foreign Repair Station Certificate No. DQ5Y814M

EASA Maintenance Certification Rolls-Royce

Certifies that, unless otherwise specified, the work described was accomplished in accordance with Part-145 and in respect to that the items are considered ready for release to service.

Signed Joe McLaughlan Date: 16.FEB.2010 Inspection Stamp 
Print Name: JOE McLAUGHLAN
Approval Reference UK.145.00665

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925



Rolls-Royce

Life Limited Parts Record Module 02 - IP Compressor

ENGINE TYPE: 650-15	MODULE PART No. M02300AA	MODULE SERIAL No. TM5119*
MODULE TSN: 6900	MODULE CSN: 6072	DESPATCH TO: CLICK MEXICANA

CODE FOR REBUILD	
A = Replacement part fitted	D = Part No. Error Corrected
B = Part Modified - Refitted	E = Serial No. Error Corrected
C = Part Not Changed	

COMPONENT DESCRIPTION	ATA SECTION ITEM No.	PART No.	SERIAL No.	REBUILD CODE	TSN	CSN	DEC. LIFE	RES. LIFE
IP Comp. Rotor Disc Stage 1	72-33-31 01-025	JR28921	CTDK2705*	C	6900	6072	20000	13928
IP Comp. Rotor Disc Stage 2	72-33-32 02-025	JR28922	CTDK2772*	C	6900	6072	20000	13928
IP Comp. Rotor Disc Stage 3	72-33-33 03-025	JR29568	STDK12664*	C	6900	6072	20000	13928
LP/IP Comp. Drive Shaft	72-33-40 04-100	JR32465	PAVN3194*	C	6900	6072	20000	13928

Components highlighted with an * have accumulated service time in another Tay Mark and thus has restrictions on the life remaining (c.f. with 650-15 limits). Remaining life is absolute and cannot be increased by pro rata calculations. See TLM 05-10-01.

WARNING

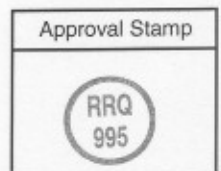
RESIDUAL LIFE ONLY VALID AT DATE SHOWN BELOW.

IT IS THE OPERATOR'S RESPONSIBILITY TO MONITOR LIFE USAGE DURING SERVICE.

Date: 16.FEB.2010

Print Name: JOE McLAUGHLAN

Signed: *Joe McLaughlan*



For Rolls-Royce plc

ENGINE EASA FORM 1 RELEASE CERTIFICATE REFERENCE No. EK 22925

1. Approving Competent Authority/Country

CAA/UNITED KINGDOM

AUTHORISED RELEASE CERTIFICATE

EASA FORM 1

3. Form Tracking Number

CN82259642-0010-001

Page 1 of 1

4. Approved Organisation Name and Address



Rolls-Royce

PARTS SERVICE CENTRE
ROLLS-ROYCE PLC
PO Box 31
DERBY
DE24 8BJ

5. Work Order/Contract/Invoice

ECS00533328

Case 2630472

6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	SHAFT	JR57310	TAY 650	1 EA	RRDSFTPAVX1659	MANUFACTURED

13. REMARKS: Where N/A is quoted in block 11 this indicates that these part(s) are not considered as requiring serial or batch number control by Rolls-Royce. Part(s) may have reference numbers from the manufacturing process.

1 CPO 0097534901 CPI 10

This document has been issued according to an approved computer generated signature procedure.

LAST PAGE

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. Part-145A.50 Release 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 Part 145 and in respect to that work the items are considered ready for release to service.

15. Authorised Signature

16. Approval/Authorisation Number

UK.21G.2003

20. Authorised Signature

21. Certificate/Approval Ref.No.

17. Name

HARBINDER MANN

18. Date (d/m/y)

21 JAN 2010

22. Name

23. Date (d/m/y)

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

USER/INSTALLER RESPONSIBILITIES

Where the user/installer works in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts the parts/components/assemblies from the Airworthiness Authority specified in block 1.

Statements 14 and 19 do not constitute installation certification. In all cases the aircraft maintenance record must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

EASA Form 1 - Issue 1

* Installer must cross-check eligibility with applicable technical data

1. Approving Competent Authority/Country CAA/UNITED KINGDOM	AUTHORISED RELEASE CERTIFICATE EASA FORM 1	3. Form Tracking Number CN82252018-0010-001 Page 1 of 1
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4. Approved Organisation Name and Address Rolls-Royce	5. Work Order/Contract/Invoice ECS00532770 Case 2627893
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6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	SHAFT	JR57309	TAY 650	1 EA	RRDSFTPABX25494	MANUFACTURED

13. REMARKS: Where N/A is quoted in block 11 this indicates that these part(s) are not considered as requiring serial or batch number control by Rolls-Royce. Part(s) may have reference numbers from the manufacturing process.

1 CPO 0097624301 CPI 10

This document has been issued according to an approved computer generated signature procedure. LAST PAGE

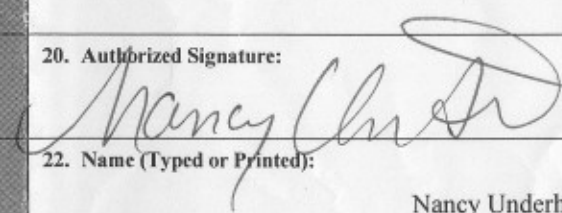
14. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> approved design data and are in condition for safe operation <input type="checkbox"/> non-approved design data specified in block 13	19. <input type="checkbox"/> Part 145A.50 Release to Service <input type="checkbox"/> 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 Part 145 and in respect to that work the items are considered ready for release to service.
--	---

15. Authorised Signature 	16. Approval/Authorisation Number UK. 21G. 2003	20. Authorised Signature	21. Certificate/Approval Ref.No.
17. Name Ama Rasauda	18. Date (d/m/y) 20 JAN 2010	22. Name	23. Date (d/m/y)

It is important to understand that the existence of the Document alone does not automatically constitute authority to install the part / component / assembly.	USER/INSTALLER RESPONSIBILITIES Where the user/installer works in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts the parts/components/assemblies from the Airworthiness Authority specified in block 1.	Statements 14 and 19 do not constitute installation certification. In all cases the aircraft maintenance record must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.
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EASA Form 1 - Issue 1

* Installer must cross-check eligibility with applicable technical data

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2.				3. Form Tracking Number: J000002204	
4. Organization Name and Address: Barnes Aerospace, Windsor Airmotive Division 7 Connecticut South Drive, East Granby, CT 06026 USA FAA Repair Station No. KC1R265K						5. Work Order/Contract/Invoice Number: 4000139674	
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
01	HPT Shaft Airseal	JR31070	N/A	1	N/V	OVERHAULED	
13. Remarks: TSN: UNK CSN: UNK OVERHAULED IAW ROLLS ROYCE OHM SECTION 72-41-31 E.M. P/N E-TAY-3RR REV. 81 DATED: 12/15/2009. CLEANING-00, CLEANING-01, HRS3430, HRS5000 (70-42-11, REPAIR-001), INSP/CHECK-02, INSP/CHECK-07 Records and certifications for subcontracted processes, as applicable to the listed work performed, are on file at Barnes Aerospace/Windsor Airmotive. Certifies that the work specified in block 12 / 13 was carried out in accordance with EASA Part 145 and with respect to that work the aircraft component is considered ready for release to service under EASA Approval Certificate Number EASA.145.5020.							
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.			19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
15. Authorized Signature:		16. Approval/Authorization No.:	20. Authorized Signature: 		21. Approval/Certificate No.: KC1R265K		
17. Name (Typed or Printed):		18. Date (m/d/y):	22. Name (Typed or Printed): Nancy Underhill		23. Date (m/d/y): JAN 17 2010		
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							

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1. Approving Competent Authority/Country CAA/UNITED KINGDOM	AUTHORISED RELEASE CERTIFICATE EASA FORM 1	3. Form Tracking Number CN82259641-0010-001 Page 1 of 1
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4. Approved Organisation Name and Address  Rolls-Royce PARTS SERVICE CENTRE ROLLS-ROYCE PLC PO Box 31 DERBY DE24 8BJ	5. Work Order/Contract/Invoice ECS00533631 Case 2631842
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6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	DISC	JR32318A	TAY 611-8	1 EA	EETM8847	MANUFACTURED

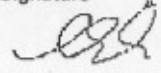
13. REMARKS: Where N/A is quoted in block 11 this indicates that these part(s) are not considered as requiring serial or batch number control by Rolls-Royce. Part(s) may have reference numbers from the manufacturing process.

1 - CPO 0096771901 CPI 10

This document has been issued according to an approved computer generated signature procedure.

LAST PAGE

14. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> approved design data and are in condition for safe operation <input type="checkbox"/> non-approved design data specified in block 13	19. <input type="checkbox"/> Part 145A.50 Release to Service <input type="checkbox"/> 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 Part 145 and in respect to that work the items are considered ready for release to service.
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15. Authorised Signature 	16. Approval/Authorisation Number UK.21G.2003	20. Authorised Signature	21. Certificate/Approval Ref.No.
17. Name Allan Murfin	18. Date (d/m/y) 21 JAN 2010	22. Name	23. Date (d/m/y)

USER/INSTALLER RESPONSIBILITIES

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

Where the user/installer works in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts the parts/components/assemblies from the Airworthiness Authority specified in block 1.

Statements 14 and 19 do not constitute installation certification. In all cases the aircraft maintenance record must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

* Installer must cross-check eligibility with applicable technical data

1. Approving Competent Authority / Country CAA UK		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1				3. Form Tracking Number RV50140001	
4. Approved Organisation Name and Address Goodrich Control Systems		ISSUING SITE: The Radleys Marston Green Birmingham West Midlands B33 0HZ		Telephone: +44 (0) 121 788 5000 Facsimile: +44 (0) 121 779 5712	 GOODRICH		5. Work Order / Contract / Invoice 4000139054
6. Item	7. Description	8. Part No.	9. Eligibility *	10. Qty			11. Serial / Batch No.
01	FUEL FLOW REGULATOR	CASC509	TAY	1.000	L2112		REPAIRED MODIFIED
13. Remarks BUILT AND TESTED TO: CMM 73-21-04 TRANS 9 MODS EMBODIED THIS VISIT: CP6386, CP8303 AND CP6926 LAST MOD INCORPORATED: CP6926 RETURNED AFTER: REPAIR AND MODIFICATION RELEASED FOR BALANCE OF LIFE HOURS RUN: TSN 6900			FAA DUAL RELEASE 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 service.				
			Authorised Signature 		Approval Certificate No. LU6Y506J		
Subject to limitations detailed in the 'Master Definitions agreement' (appendix 4 - Dec 2008), between Rolls-Royce and Goodrich Control Systems							
14. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> approved design data and are in condition for safe operation <input type="checkbox"/> non-approved design data specified in Block 13			19. <input checked="" type="checkbox"/> Part-145.A.50 Release to Service <input checked="" type="checkbox"/> 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 Part-145 and in respect to that work the items are considered ready for release to service.				
15. Authorised Signature N/A		16. Approval/Authorisation Number N/A		20. Authorised Signature 		21. Certificate / Approval Ref. No. UK.145.00857	
17. Name N/A		18. Date (d/m/y) N/A		22. Name M ROBINSON 		23. Date (d/m/y) 19-JAN-2010	

EASA Form 1 Issue 1

*Installer must cross-check eligibility with applicable technical data

Authorised Release Certificate - EASA Form 1
USER/INSTALLER RESPONSIBILITIES

1. It is important to understand that the existence of the Document alone does not automatically constitute authority to install the part/component/assembly.
2. Where the user/installer works in accordance with the national regulations of an Airworthiness Authority different from the Airworthiness Authority 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 specified in block 1.
3. Statements 14 and 19 do not constitute installation certification. In all cases the aircraft maintenance record must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

1. Approving Competent Authority / Country CAA UK		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1				3. Form Tracki RV501400
4. Approved Organisation Name and Address Goodrich Control Systems		ISSUING SITE: The Radleys Marston Green Birmingham West Midlands B33 0HZ	Telephone: +44 (0) 121 788 5000 Facsimile: +44 (0) 121 779 5712	 GOODRICH		5. Work Order / Invoice 4000139054
6. Item	7. Description	8. Part No.	9. Eligibility *	10. Qty	11. Serial / Batch No.	12. Status /
01	FUEL FLOW REGULATOR	CASC509	TAY	1.000	L2112	REPAIRED MODIFIED
13. Remarks BUILT AND TESTED TO: CMM 73-21-04 TRANS 9 MODS EMBODIED THIS VISIT: CP6386, CP8303 AND CP6926 LAST MOD INCORPORATED: CP6926 RETURNED AFTER: REPAIR AND MODIFICATION RELEASED FOR BALANCE OF LIFE HOURS RUN: TSN 6900			FAA DUAL RELEASE 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 service.			
			Authorised Signature 	Approval Certificate No. LU6Y506J		
Subject to limitations detailed in the 'Master Definitions agreement' (appendix 4 - Dec 2008), between Rolls-Royce and Goodrich Control Systems						
14. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> approved design data and are in condition for safe operation <input type="checkbox"/> non-approved design data specified in Block 13			19. <input checked="" type="checkbox"/> Part-145.A.50 Release to Service <input checked="" type="checkbox"/> 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 Part-145 and in respect to that work the items are considered ready for release to service.			
15. Authorised Signature N/A		16. Approval/Authorisation Number N/A	20. Authorised Signature 		21. Certificate / Approval Ref. No. UK.145.00857	
17. Name N/A		18. Date (d/m/y) N/A	22. Name M ROBINSON 		23. Date (d/m/y) 19-JAN-2010	

EASA Form 1 Issue 1

*Installer must cross-check eligibility with applicable technical data

Authorised Release Certificate - EASA Form 1
USER/INSTALLER RESPONSIBILITIES

- It is important to understand that the existence of the Document alone does not automatically constitute authority to install the part/component/assembly.
- Where the user/installer works in accordance with the national regulations of an Airworthiness Authority different from the Airworthiness Authority 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 specified in block 1.
- Statements 14 and 19 do not constitute installation certification. In all cases the aircraft maintenance record must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



Rolls-Royce

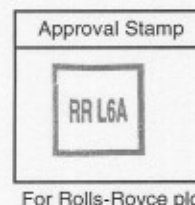
CONTENTS OF LOG BOOK TAY-650 ENGINE

- 1 Authorised Release Certificate(s)
- 2 Airworthiness Directive Compliance Record
- 3 Engine Test Certificate
- 4 Life Limited Parts (LLP) Record – Summary Sheet
- 5 Accessory Log Sheet
- 6 Engine Log Card
- 7 Module 01 (LP Compressor) – Log Card, LLP Record, Fan Blade Chart
- 8 Module 02 (IP Compressor) – Log Card, LLP Record
- 9 Module 03 (HP Compressor) – Log Card, LLP Record
- 10 Module 04 (Combustion & HP Turbine) – Log Card, LLP Record
- 11 Module 05 (LP Turbine) – Log Card, LLP Record, Group B Record (if applicable)
- 12 Module 06 (High Speed Gearbox) – Log Card
- 13 Module 07 (Intermediate Compressor Case) – Log Card
- 14 EASA Form 1's/FAA 8130 Forms for New LLP's
- 15 EASA Form 1's/FAA 8130 Forms for Repaired/New Accessories

Date: 16.FEB.2010

Print Name: PETER QUEEN

Signed:





Rolls-Royce plc

Engine Inspection and Test Certificate

I.P. 1042

SHT 1 ISSUE 1

TYPE TAY Mk 650-15

ENGINE CONDITION REPAIR

ENGINE No. 17419

TEST COMPLETION DATE 16-Feb-2010

CAA TYPE CERTIFICATE DATA SHEET No. 1047 Issue 13 14/05/99

PARTICULARS

Duration of Test

Thrust

lbs

N2
rpm
percent

N1
rpm
percent

Exhaust/Jet Pipe Temperature

Specific Fuel Consumption

lbs/hr/lbs

Thrust

Exhaust Pressure EPR Trimmed

Oil Consumption

Litres/Hour

Oil Pressure

P.S.I.

Oil Inlet Temperature

°C

Barometer

in/Hg

Air Temperature

°C

EPR TRIMMER :- "H"

TGT TRIMMER :- "CU"

Engine Governed Speed N2 12561 rpm

At 15 °C Air Temperature N2 103.50%

Jet Pipe Nozzle Dia. 35.6 ins.

	MAXIMUM TAKE-OFF ISA	MAXIMUM CONTINUOUS	GROUND IDLING	MAXIMUM TAKE-OFF 100°F
Thrust	15100	14000	700	
N2 percent	98.49	96.84	52.67	
N1 percent	88.28	85.72	23.37	
Exhaust/Jet Pipe Temperature	760.3	730.9	432.5	
Specific Fuel Consumption	0.4659	0.4588	0.9145	
Exhaust Pressure EPR Trimmed	1.726	1.672		
Oil Consumption		0.20		
Oil Pressure	48.9	47.8	32.3	
Oil Inlet Temperature	45.3	45.7	57.4	
Barometer	28.69	28.69	28.69	
Air Temperature	5.3	5.4	5.4	

Fuel Specific Gravity 0.808 @ 6.5 °C

Engine Tested With Slave Jet Pipe

Performance Taken From Rating Curve (Corrected Results)

FURTHER QUALIFYING CONDITIONS OF RELEASE

ENGINE RATING

MAXIMUM TAKE OFF ISA
EPR TRIMMED MAX.
MAXIMUM CONTINUOUS
APPROACH MINIMUM
GROUND IDLING
MAXIMUM OVERSPEED
STARTING

ENGINE SPEED				THRUST lbs (MINIMUM)	EXHAUST TEMP. (MAXIMUM)	FUEL CONS. lbs/hr/lb (MAXIMUM)
RPM		PER CENT				
N2	N1	N2	N1			
		101.1	93	15100	815	0.494
				1.727		
		99.2	88.8	14000	785	0.481
		47.9 min				
		106.6	98.3			
					700	

OIL - APPROVED As Per TCDS 1047 Issue 13

INLET TEMPERATURE -50°C min 105°C max

Pressure 30 lbs/"min at 101.1 per cent N2 speed

Fuel - Approved As Per TCDS 1047 Issue 13

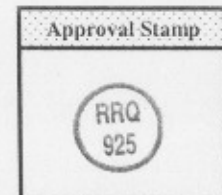
HP 1 NGV Actual Throat Area 42.695 in²


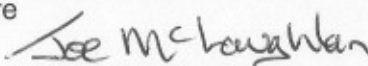

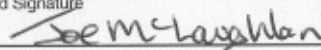

LP 1 NGV Actual Throat Area N/Q in²

Weight N/Q lbs

Date 16/02/10

Signed *[Signature]* for Rolls-Royce plc



1. Approving Competent Authority / Country UK CAA / UNITED KINGDOM		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1				3. Form Tracking Number EK 22925	
4. Approved Organisation Name and Address  Rolls-Royce Aero Repair and Overhaul - East Kilbride Glasgow G74 4PY					5. Work Order/Contract/Invoice 1114915		
6. Item	7. Description	8. Part No.	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work	
1.	TAY ENGINE	MK650-15	F100	1 OFF	17419	REPAIRED	
13. REMARKS THE ENGINE WAS REPAIRED IN ACCORDANCE WITH WORKSCOPE REFERENCE T2564, RM1580 ISSUE 7 AND TAY ENGINE MANUAL E-TAY-3RR REVISION 80 DATED JUN.15/09 ENGINE HAS BEEN PRESERVED AND PREPARED FOR STORAGE IN ACCORDANCE WITH TAY ENGINE MANUAL E-TAY-3RR REVISION 80 DATED JUN.15/09 ENGINE RECORDS FOR THIS REWORK ARE HELD EAST KILBRIDE UNDER SALES ORDER NO. 1114915 FOR AD COMPLIANCE STATUS - REFER TO ENCLOSED AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD FOR LIFE LIMITED PART AND ACCESSORY STATUS - REFER TO ENCLOSED RECORD/LOG SHEETS FOR MODULE REWORK DETAILS - REFER TO ENCLOSED MODULE LOG CARDS ENGINE TSN: 34839 ENGINE CSN: 33471					Certifies that the work specified in Block 13 was carried out in accordance with FAR (Part 43) and in respect to the work performed the part(s) is (are) approved for the return to service. Pertinent details of the work are on file at this Repair Station under Repair Order No. 1114915 Repair Station Certificate No. DQ5Y814M Signature   Name : JOE McLAUGHLAN Date : 16.FEB.2010		
14. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> approved design data and are in condition for safe operation <input type="checkbox"/> non-approved design data specified in block 13					19. <input checked="" type="checkbox"/> Part-145.A.50 Release to Service <input checked="" type="checkbox"/> Other regulations specified in block 13 Certifies that unless specified in block 13, the work identified in block 12 and described in block 13, was accomplished in accordance with Part-145 and in respect to that work, the items are considered ready for release to service.		
15. Authorised Signature		16. Approval/Authorisation Number		20. Authorised Signature  		21. Approval Reference Number UK.145.00665	
17. Name		18. Date (d/m/y)		22. Name JOE McLAUGHLAN		23. Date (d/m/y) 16.FEB.2010	
It is important to understand that the existence of the Document alone does not automatically constitute authority to install the part / component / assembly			USER/INSTALLER RESPONSIBILITIES Where the user/installer works in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority specified in block 1.			Statements 14 and 19 do not constitute installation certification. In all cases the aircraft maintenance record must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.	
EASA Form One Issue 1						*Installer must cross check eligibility with applicable technical data.	

Issue standard	51	Date	16/11/09	Airworthiness Directive Compliance Record			
Report Produced by	Rolls-Royce plc East Kilbride Glasgow G74 4PY Tel: 44 (0) 13552 77278		EASA Approval No: UK.145. 00665		FAA Air Agency Certificate No: DQ5Y814M		

Engine Type			Rolls-Royce TAY		Engine Mark		650-15		Engine Serial No:		17419	
T.S.N.			34839		C.S.N.		33471		Work Order No:		1114915	
LBA AD No CAA-NL EFFECTIVE DATE	CAA AD No EASA AD No EFFECTIVE DATE	FAA AD No EFFECTIVE DATE	SERVICE BULLETIN	DESCRIPTION	COMPLIED DATE	METHOD OF COMPLIANCE / APPLICABILITY		ONCE or RECUR	NEXT DATE DUE			
1995-472	027-04-90	N/A	SB 73-1207	Engine Fuel and Control – Fuel flow regulator – Revised variable metering orifice (VMO) by-pass adjuster – Mod 73-1207 (Lucas Mod CP 6735)	Existing compliance	Not applicable to CASC 509		ONCE	N/A			
1995-476	017-10-90	N/A	SB 73-1220	Engine Fuel and control – Inspection of fuel flow regulator for pilot burner simulator fault	Existing compliance	Not applicable to CASC 509		ONCE	N/A			
Ref to LBA removed by SB72-1591 Rev 1	008-10-97 cancelled & superseded by LBA	N/A	SB 72-1442 Or SB 72-1591	Engine – Fan blades – Ultrasonic inspection of fan blade roots	N/A	Superseded by FAA 2007-03-02		N/A	N/A			
1998-096/2	001-12-97	2001-22-18 18 Dec 2001	SB 72-1447	Engine – Action to be taken following inadvertent stabilising ground operation between idle reverse and emergency maximum reverse thrust	N/A	Superseded by LBA AD 2002-090 & FAA 2003-22-14		N/A	N/A			
2002-090 June 2002	N/A	2003-22-14 18 Dec 2003	SB 72-1447 R4	Possible fan blade failures because of exceedance of reverse thrust operating limitations	N/A	Superseded by LBA AD 2002-090R1		N/A	N/A			
N/A	003-03-98	99-24-01 18 Jan 2000	SB 76-1434	Engine Controls – Emergency fuel shut off system – Inspection of emergency fuel shut off cable	16 February, 2010	Incorporation of SB 76-1466		RECUR	Every Shop Visit			
N/A	002-01-99	N/A	SB 73-1459	Engine Fuel and Control – Fuel flow regulator – Revision to the in-service life of the fuel flow regulator	Existing compliance	Not applicable to engine serial number		ONCE	N/A			

Signed	<i>Joe McLaughlan</i>	Date	16/2/2010	Stamp	
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Issue standard	51	Date	16/11/09	Airworthiness Directive Compliance Record			
Report Produced by	Rolls-Royce plc East Kilbride Glasgow G74 4PY Tel: 44 (0) 13552 77278		EASA Approval No: UK.145. 00665		FAA Air Agency Certificate No: DQ5Y814M		

Engine Type		Rolls-Royce TAY		Engine Mark	650-15	Engine Serial No:	17419	
T.S.N.		34839		C.S.N.	33471	Work Order No:	1114915	
LBA AD No CAA-NL EFFECTIVE DATE	CAA AD No EASA AD No EFFECTIVE DATE	FAA AD No EFFECTIVE DATE	SERVICE BULLETIN	DESCRIPTION	COMPLIED DATE	METHOD OF COMPLIANCE / APPLICABILITY	ONCE or RECUR	NEXT DATE DUE
N/A	004-07-99	2000-08-01 19 June 2000 Superseded by 2006-18-14 13 Oct 2006	SB 72-1479	Engine – Flight profile compliance	16 February, 2010	Satisfaction of SB 72-1479	RECUR	Every Shop Visit
N/A	005-12-99	2002-01-29 15 Feb 2002	SB72-1483	Engine – HP compressor – Instruction for the borescope inspection of the HP compressor stage 12 disc.	N/A	Superseded by CAA AD 003-10-2000 Superseded by EASA AD 2004-12660 Superseded by FAA AD 2005-26-18	N/A	N/A
N/A	003-10-2000	2002-01-29 15 Feb 2002	SB72-1498	Engine – HP rotor thrust bearing housing assembly – Introduction of revised retaining and locking features for the HP Comp OGV and outer seal	N/A	Superseded by EASA AD 2004-12660	N/A	N/A
N/A	001-01-2002 Feb 2002	N/A	SB72-1485	Engine – HP turbine/HP compressor shaft spline flank wear inspection	16 February, 2010	N/A Parts fitted to SB 72-1665 std	N/A	Every 4500 to 5500 cycles if SB 72- 1665 not embodied
N/A	N/A	2002-09-02C 6 June 2002	N/A	Engine - To prevent critical life-limited rotating engine part failure, which could result in an uncontained engine failure and damage to the airplane	16 February, 2010	Satisfaction of AD 2002-09-02C	ONCE	N/A
2002-331 13 Sept 2002	N/A	2002-24-06 18 Dec 2002 Superseded by 2003-05-04 26 Mar 2003	SB 73-1540	Engine – Inspection of the LP Fuel Tube – Fuel Leakage	N/A	Superseded by 2005-03-06	N/A	N/A


Signed *Joe McLaughlin*Date *16/2/2010*

Stamp



Issue standard	51	Date	16/11/09	Airworthiness Directive Compliance Record			
Report Produced by	Rolls-Royce plc East Kilbride Glasgow G74 4PY Tel: 44 (0) 13552 77278		EASA Approval No: UK.145. 00665		FAA Air Agency Certificate No: DQ5Y814M		

Engine Type		Rolls-Royce TAY		Engine Mark		650-15		Engine Serial No:		17419	
T.S.N.		34839		C.S.N.		33471		Work Order No:		1114915	
LBA AD No CAA-NL EFFECTIVE DATE	CAA AD No EASA AD No EFFECTIVE DATE	FAA AD No EFFECTIVE DATE	SERVICE BULLETIN	DESCRIPTION	COMPLIED DATE	METHOD OF COMPLIANCE / APPLICABILITY		ONCE or RECUR	NEXT DATE DUE		
2002-287 17 Oct 2002	N/A	2003-08-01 20 May 2003	SB 72-1524 R1	Engine - LP Turbine Disc Stg. 2 and 3 inspection requirements due to potential corrosion	N/A	Superseded by 2006-0288		N/A	N/A		
2002-358 18 Nov 2003	N/A	2003-05-04 26 Mar 2003	SB 73-1592 SB 73-1593	Engine - Inspection of the LP Fuel Tube - Fuel Leakage	N/A	Superseded by 2005-03-06		N/A	N/A		
D-2004-055 R2 19 Mar 2004	N/A	2004-05-22 25 Mar 2004	SB 72-1627 is now closed SB 72-1326	Engine - Visual inspection of LP compressor ice impact panels	N/A	Superseded by D-2004-313		N/A	N/A		
D-2004-313 23 June 2004	N/A	N/A	SB 72-1326 SB 72-1627 is now closed SB 72-1638	Engine - Repeated examination of and repair or replacement of the low pressure compressor ice impact panels	N/A	Superseded by D-2004-313R1		N/A	N/A		
D-2004-313 R1 18 Aug 04	N/A	2004-05-22 25 Mar 2004	SB 72-1326 SB 72-1627 is now closed SB 72-1638	Engine - Repeated examination of and repair or replacement of the low pressure compressor ice impact panels	N/A	Superseded by D-2004-313 R2 & R3		N/A	N/A		
D-2004-313 R3 8 Mar 2005	N/A	2004-26-10 11 Jan 2005	SB 72-1326 SB 72-1627 is now closed SB 72-1638	Engine - Repeated examination of and repair or replacement of the low pressure compressor ice impact panels	N/A	D 2004 313 R3 Superseded by D-2004-313 R4 2004-26-10 Superseded by 2007-26-19		N/A	N/A		
2002-090 R1 15 Oct 2004	EASA 2004-9948 28 Sept 04	2003-22-14 18 Dec 2003	SB 72-1447 R5	Possible fan blade failures because of exceedance of reverse thrust operating limitations	16 February, 2010	No Exceedances reported		RECUR	Every Shop Visit		

Signed	<i>Joe McLoughlan</i>	Date	16/2/2010	Stamp	
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Issue standard	51	Date	16/11/09	Airworthiness Directive Compliance Record			
Report Produced by	Rolls-Royce plc East Kilbride Glasgow G74 4PY Tel: 44 (0) 13552 77278		EASA Approval No: UK.145. 00665		FAA Air Agency Certificate No: DQ5Y		

Engine Type Rolls-Royce TAY				Engine Mark	650-15	Engine Serial No:	1
T.S.N.				C.S.N.	33471	Work Order No:	11
LBA AD No CAA-NL EFFECTIVE DATE	CAA AD No EASA AD No EFFECTIVE DATE	FAA AD No EFFECTIVE DATE	SERVICE BULLETIN	DESCRIPTION	COMPLIED DATE	METHOD OF COMPLIANCE / APPLICABILITY	
2004-365 31 Jan 05	2004-12660 31 Dec 04	2005-26-18 03 Feb 2006	SB72-1483 SB72-1498	Engine – HP rotor thrust bearing housing assembly – Introduction of revised retaining and locking features for the HP Comp OGV and outer seal	16 February, 2010	Satisfaction of SB 72-1498	
2002-358R6 30 June 2005	2005-4734 30 June 2005	2005-03-06 17 Mar 2005	SB 73-1592R1 SB 73-1593R1 SB-73-1669	Engine – Inspection of the LP Fuel Tube – Fuel Leakage	Existing compliance	Incorporation of SB 73-1592	
D-2005-252 31 July 2005	2005-6100 18 July 2005	-	ASB72-A1676	Reduction of the declared safe cyclic lives of the high pressure turbine (HPT) stage 1 discs	N/A	Superseded by D-2005-252 R1	
D-2004-313 R4 16 Aug 2005	2005-6178 16 Aug 2005	-	SB 72-1638 SB 72-A1643	Engine – Repeated examination of and repair or replacement of the low pressure compressor ice impact panels	N/A	Superseded by D-2004-313 R5	
D-2004-313 R5 15 Nov 2005	2005-6399 02 Nov 2005	-	SB 72-1638 SB 72-A1643	Engine – Repeated examination of and repair or replacement of the low pressure compressor ice impact panels	N/A	D 2004 313 R5 Superseded by 2007-0258	
NL2005-014 R1 20 Jan 2006	2006-0017	N/A	SB 72-A1653	Engine – High pressure compressor vane stages 4 – 11 Modification	N/A	Superseded by AD-2006-0336	
N/A	2006-0336 13 Nov 2006	N/A	SB 72-A1653	Engine – High pressure compressor vane stages 4 – 11 Modification	16 February, 2010	Incorporation of SB 72-A1653	

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Date *16/2/2010*

Stamp



Issue standard	51	Date	16/11/09	Airworthiness Directive Compliance Record			
Report Produced by	Rolls-Royce plc East Kilbride Glasgow G74 4PY Tel: 44 (0) 13552 77278		EASA Approval No: UK.145. 00665		FAA Air Agency Certificate No: DQ5Y814M		

Engine Type			Rolls-Royce TAY		Engine Mark		650-15		Engine Serial No:		17419	
T.S.N.			34839		C.S.N.		33471		Work Order No:		1114915	
LBA AD No CAA-NL EFFECTIVE DATE	CAA AD No EASA AD No EFFECTIVE DATE	FAA AD No EFFECTIVE DATE	SERVICE BULLETIN	DESCRIPTION	COMPLIED DATE	METHOD OF COMPLIANCE / APPLICABILITY		ONCE or RECUR	NEXT DATE DUE			
N/A	N/A	2007-03-02 05 Mar 2007	SB 72-1442R4	Engine – Tay Fan Blade Ultrasonic Inspection	16 February, 2010	Incorporation of SB 72-1442		RECUR	Every Shop Visit			
D-2005-252R1	2007-0086	2006-18-14	SB 72-1676R2	Reduction of the declared safe cyclic lives of the high pressure turbine (HPT) stage 1 discs	N/A	D 2005 252 R1 Superseded by LBA D-2005-252R2		N/A	N/A			
D-2005-252R2 2 April 2007	2007-0086		SB 72-1676R2	Reduction of the declared safe cyclic lives of the high pressure turbine (HPT) stage 1 disc Part No JR 32013	Existing compliance	Part No Standard N/A to SB 72-A1676		RECUR	Every Shop Visit			
	2007-0258 25 Sept 2007	2007-26-19 11 Feb 2008	SB 72-1326 SB 72-1638 SB 72-A1643	Engine – Repeated examination of and repair or replacement of the low pressure compressor ice impact panels	16 February, 2010	Satisfaction of SB 72-A1643		ONCE	N/A			
	2007-0113 26 April 2007		SB 72-1442 SB 72-1591	Engine – Undetected Root cracks in LP Compressor Rotor Blades	16 February, 2010	Satisfaction of SB 72-1442		RECUR	Every Shop Visit			
N/A	2006-0288 25 Sept 2006	2008-10-14 25 June 2008	SB 72-A1524R1	Engine – LP Turbine Disc Stg. 2 and 3 inspection / replacement	N/A	2006-0288 Superseded by AD-2008-0122 2008-10-14 Superseded by 2009-22-01		N/A	N/A			
N/A	2008-0122 1 July 2008	2009-22-01 12 November 2009	SB 72-A1524R2	Engine – LP Turbine Disc Stg. 2 and 3 inspection / replacement	Existing compliance	N/a to Engine S/No		RECUR	Every Shop Visit			
	2009-0092 17 April 2009		SB 72-A1740	Engine – HPC Rotor Discs Stg 1,3,6,7 and 12 decrease of Maximum approved lives	16 February, 2010	Satisfaction of SB72-A1740		ONCE	N/A			

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