

1. Approving
National Aviation
Authority/Country:

FAA/United States

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

EN702029 21622

4. Organization Name and Address:

STANDARD AERO (ALLIANCE) INC. 1029 ROSS DRIVE MARYVILLE, TN 37801

Repair Station # AE0R215N

5. Work Order/ Contract/ Invoice Number:

EN702029

6. Item: 7. Description:

8. Part Number:

9. Eligibility: *

10. Quantity:

11. Serial/Batch Number:

12. Status/Work:

1 ENGINE ASSY, TURBOFAN, AE3007A1

23070991

N/A

1 each

CAE312358

Repaired

13. Remarks:

- RETURN TO SERVICE - Time since new: 8,892.0 hours and 8,227 cycles. Inspected, repaired, tested, and preserved for 180 days in accordance with Rolls-Royce manuals CSP34022 Revision 44, dated 20 OCT 2007 and CSP31010 Revision 27, Dated 20 DEC 2007 and all applicable Federal Aviation Administration Regulations. AD/SB incorporation among maintenance performed. Condition Report & Work Order Summary is submitted electronically and is incorporated by reference. *NOTE: PER ALITALIA REQUEST, ENGINE IS BEING SHIPPED WITHOUT COMPLIANCE OF AIRWORTHINESS DIRECTIVE AE3007A-AD-2008-19-51, REV 0 DATED 8 SEPT 2008. CUSTOMER REQUIRED TO FULFILL REQUIREMENT OF AD PRIOR TO INSTALLATION OF ENGINE

"Standard Aero (Alliance) Inc. Certifies that the work specified in Blocks 12 / 13 was carried out in accordance with EASA part 145 and, with respect to that work, the component is considered ready for release to service under EASA Part 145 Approval Number EASA.145.4894."

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

☐ Approved design data and are in a condition for safe operation

☐ Non-approved design data specified in Block 13

19. ☒ 14 CFR 43.9 Return to Service

☒ Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature:

16. Approval/Authorization No.:

20. Authorized Signature:

21. Approved/Certificate No.:

17. Name (Typed or Printed):

18. Date (m/d/y):

22. Name (Typed or Printed):

23. Date (m/d/y):

James M. Canady

AE0R215N

DEC /03/2008

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.



Modification List

F7.5.53
(Rev 31-JULY-2006)
FAA AEOR215N
EASA 145.4894
CAAC F00100140
DAC 9912-04/DAC

Customer: ALITALIA EXPRESS S.P.A.

TCN: EN702029

Serial#: CAE312358

Part #: 23070991

Model: AE3007A

AIRWORTHINESS DIRECTIVES / MODIFICATIONS EMBODIED

AE3007A-72-191
AE3007A-72-274
AE3007A-72-285
AE3007A-72-294
AE3007A-72-300
AE3007A-72-304
AE3007A-72-308
AE3007A-72-322
AE3007A-72-330
AE3007A-72-339
AE3007A-74-005
AE3007A-75-032
AE3007A-75-034
AE3007A-75-038
AE3007A-75-039
AE3007A-75-035
AE3007A-75-035
AE3007A-74-007
AE3007A-72-351
AE3007A-72-332
AE3007A-72-327
AE3007A-72-321
AE3007A-72-306
AE3007A-72-302
AE3007A-72-299
AE3007A-72-287
AE3007A-72-278
AE3007A-72-266

AE3007A-AD-2007-24-05

AE3007A-72-251, AE3007A-72-289, AE3007A-72-291. AE3007A-75-040

AIRWORTHINESS DIRECTIVES / MODIFICATIONS FOUND EMBODIED

AE3007A-72-025
AE3007A-72-065
AE3007A-72-109
AE3007A-72-118
AE3007A-72-172
AE3007A-72-214
AE3007A-72-234
AE3007A-72-253
AE3007A-72-286
AE3007A-73-003
AE3007A-73-009
AE3007A-73-057
AE3007A-74-006
AE3007A-75-015
AE3007A-75-027
AE3007A-76-003
AE3007A-76-006
AE3007A-79-025
AE3007A-79-030
AE3007A-72-156
AE3007A-72-207
AE3007A-A-73-012

AIRWORTHINESS DIRECTIVES / MODIFICATIONS FOUND EMBODIED PER LOGBOOK

AE3007A-72-176
AE3007A-72-188
AE3007A-72-208
AE3007A-A-72-178

STANDARD AERO (ALLIANCE) INC.

1029 Ross Drive
Maryville, TN 37801
USA

R/S # AEOR215N



AUG 1 - 2008

James C. [Signature]

SECTION 1 PART III

ENGINE MODIFICATION RECORD

1. ENGINE SERIAL NUMBER: CAE312358

TSN: 8892

CSN: 8227

2. ENGINE MODEL: AE 3007A1

Page 1 of 3

3. MODIFICATION INFORMATION:

BULLETIN OR DIRECTIVE NUMBER	ISSUE/REVISION DATE	SUBJECT OF BULLETIN OR DIRECTIVE	TYPE	INTERVAL	NEXT DUE	AUTHORIZED SIGNATURE CERTIFICATION TYPE / NUMBER	ORGANIZATION
AE3007A-72-191	0 12/11/2000	ENGINE - ADG - INSTALL THE DRAIN PLUG	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-72-251	1 5/23/2005	ENGINE - INSPECTION OF THE FRONT SUMP	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-72-266	1 8/5/2005	ENGINE - NO. 4 BALL BEARING INSPECTION	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-72-274	1 11/12/2007	ENGINE - ACCESSORY GEARBOX STARTER PAD DRAIN - REMOVE THE DRAIN CAP OR	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-72-278	4 2/5/2007	ENGINE - ACCESSORY DRIVE GEARBOX ASSEMBLY - NEW FPMU DRIVE GEAR	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-72-285	0 11/22/2004	ENGINE - NEW DIFFUSER TO HPT CASE TUBE SUPPORT BRACKET	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-72-287	1 1/11/2005	ENGINE - REAR OUTER BYPASS DUCT SUPPORT ASSEMBLY REWORK	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-72-289	1 7/19/2004	ENGINE - REWORK THE FRONT FRAME ASSEMBLY AND INSTALL THE NEW SINGLE	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-72-291	0 7/19/2005	ENGINE - NEW REAR TURBINE BEARING SUPPORT AND FORCED MIXER CORE FLOW	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-72-294	1 4/26/2004	ENGINE - CENTER SUMP SCAVENGE AND PRESSURE/VENT OIL TUBES - HIGH	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-72-299	2 6/13/2006	ENGINE - NEW RADIAL DRIVE QUILL SHAFT (23077207)	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-72-300	0 4/26/2004	ENGINE - INSPECTION OF THE FAN BLADE FORWARD RETAINER ASSEMBLY (23062491)	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-72-302	0 3/15/2004	ENGINE - NEW O-RING (M834851-047) FOR THE NO. 3 BEARING DAMPER	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-72-304	0 9/20/2005	ENGINE - NEW FAN SPINNER ASSEMBLY (23078783) - REWORK	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-72-306	2 7/23/2007	ENGINE - NEW COMBUSTION LINER (23077933)	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-72-308	0 6/14/2004	ENGINE - INCREASED TIE BOLT STRETCH VALUE	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-72-321	2 11/12/2007	ENGINE - ACCESSORY DRIVE GEARBOX ASSEMBLY - NEW STARTER SHAFT SEAL	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-72-322	0 5/6/2005	ENGINE - NEW GLASS-PEENED 1ST-STAGE COMPRESSOR BLADE (23079367)	ONE-TIME	N/A	N/A	<i>James M. Condy</i> RIS#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029

SECTION 1 PART III

ENGINE MODIFICATION RECORD

Page 2 of 3

1. ENGINE SERIAL NUMBER: CAE312358			TSN: 8892	CSN: 8227	2. ENGINE MODEL: AE 3007A1		5. SIGNATURE ENTRY and COMPANY	
3. MODIFICATION INFORMATION:					4. COMPLIANCE TIME			
BULLETIN OR DIRECTIVE NUMBER	ISSUE/REVISION DATE	SUBJECT OF BULLETIN OR DIRECTIVE	TYPE	INTERVAL	NEXT DUE	AUTHORIZED SIGNATURE	ORGANIZATION	
AE3007A-72-327	0	ENGINE - NEW TEFELON SEAL (23080495) ON NO. 4 CARBON SEAL	ONE-TIME	N/A	N/A	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029
AE3007A-72-330	1	ENGINE - ACCESSORY GEARBOX STARTER PAD DRAIN - INSTALL THE OPEN STARTER	ONE-TIME	N/A	N/A	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029
AE3007A-72-332	1	ENGINE - NEW LOW PRESSURE TURBINE REAR-SHAFT PLUG O-RING (23078077-5)	ONE-TIME	N/A	N/A	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029
AE3007A-72-339	0	ENGINE - BEVEL PINION GEARSHAFT - REWORK	ONE-TIME	N/A	N/A	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029
AE3007A-72-351	2	ENGINE - REWORK THE FRONT SUMP BEVEL GEAR	ONE-TIME	N/A	N/A	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029
AE3007A-74-005	4	PMA ROTOR AND STATOR INSPECTION	RECURRING	SEE S/B	SEE S/B	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029
AE3007A-74-007	2	PERMANENT MAGNET ALTERNATOR ROTOR INSPECTION	RECURRING	SEE S/B	SEE S/B	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029
AE3007A-75-032	1	AIR - REMOVE THE LOWER-CENTER-SUMP BUFFER-EXHAUST-PIPE ASSEMBLY	ONE-TIME	N/A	N/A	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029
AE3007A-75-033	0	AIR - CUSTOMER-SERVICES OUTER MANIFOLD INSPECTION	ONE-TIME	N/A	N/A	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029
AE3007A-75-034	0	AIR - REWORK THE CUSTOMER-SERVICES CORE MANIFOLD (23073458)	ONE-TIME	N/A	N/A	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029
AE3007A-75-035	1	NEW CVG ACTUATING CYLINDER MOUNTING BRACKET (23084046)	ONE-TIME	N/A	N/A	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029
AE3007A-75-038	0	AIR - LEFT-HAND COMPRESSOR DISCHARGE AIR TUBE V-BAND CLAMP INSPECTION	ONE-TIME	N/A	N/A	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029
AE3007A-75-039	0	EXAMINE THE LEFT-HAND 14TH-STAGE COMPRESSOR AIR DISCHARGE AIR TUBE.	ONE-TIME	N/A	N/A	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029
AE3007A-78-004	2	EXHAUST-NEW FORCED CORE-TO-BYPASS MIXER (23077972)	ONE-TIME	N/A	N/A	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029
AE3007A-79-035	2	OIL - OIL PRESSURE / TEMPERATURE SENSOR INSPECTION	ONE-TIME	N/A	N/A	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029
AE3007A-79-037	2	OIL - NEW LOW OIL PRESSURE SWITCH (23078098)	ONE-TIME	N/A	N/A	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029
AE3007A-79-039	2	OIL - NEW LINE TEE-TO-ACCESSORY GEARBOX PRESSURE OIL TUBE (23080854)	ONE-TIME	N/A	N/A	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029
AE3007A-A-72-265	3	ENGINE - 1ST TO 2ND STAGE HIGH PRESSURE TURBINE SPACER INSPECTION	RECURRING	SEE .	NOTE	<i>James C. Leach</i> RIS#AE0R215N	Standard Aero (Alliance)	Inc. WO# EN702029

SECTION 1 PART III

ENGINE MODIFICATION RECORD

1. ENGINE SERIAL NUMBER: CAE312358

TSN: 8892

CSN: 8227

2. ENGINE MODEL: AE 3007A1

Page 3 of 3

3. MODIFICATION INFORMATION:

BULLETIN OR DIRECTIVE NUMBER	ISSUE/REVISION DATE	SUBJECT OF BULLETIN OR DIRECTIVE	TYPE	4. COMPLIANCE TIME INTERVAL NEXT DUE ACCOMPLISHED	5. SIGNATURE ENTRY and COMPANY AUTHORIZED SIGNATURE CERTIFICATION TYPE / NUMBER	ORGANIZATION
AE3007A-AD-2003-25-08	0 1/21/2004	LIFE LIMIT REDUCTION AND INSPECTION REQUIREMENTS FOR CERTAIN HPT 1-2	ONE-TIME	N/A N/A 01-Aug-08	<i>Joann Carey</i> R/S#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029
AE3007A-AD-2007-24-05	0 1/2/2008	STARTER SHAFT SEAL AND STARTER DRAIN ADAPTER UPGRADE	ONE-TIME	N/A N/A 01-Aug-08	<i>Joann Carey</i> R/S#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029

NOTE: REINSPECTION OF THE SPACER S/N TW517824 IS NOT REQUIRED PER P/N INSTALLED.

3. MODIFICATION INFORMATION:

BULLETIN OR DIRECTIVE NUMBER	ISSUE/REVISION DATE	SUBJECT OF BULLETIN OR DIRECTIVE	TYPE	4. COMPLIANCE TIME INTERVAL NEXT DUE ACCOMPLISHED	5. SIGNATURE ENTRY and COMPANY AUTHORIZED SIGNATURE CERTIFICATION TYPE & NUMBER	ORGANIZATION
AE3007A-75-040	0 3/19/2008	AIR- LEFT-HAND COMPRESSOR DISCHARGE AIR TUBE V-BAND CLAMP INSPECTION.	ONE-TIME	N/A N/A 14 AUG 2008	<i>Joann Carey</i> R/S#AE0R215N	Standard Aero (Alliance) Inc. WO# EN702029

SECTION 1 PART IV

ENGINE INSPECTION RECORD

1. ENGINE SERIAL NUMBER: CAE312358

2. ENGINE MODEL: AE3007A1

Page 1 of 1

3. INSPECTION INFORMATION:

4. COMPLIANCE TIME

5. SIGNATURE ENTRY and COMPANY

INSPECTION NUMBER	INSPECTION DESCRIPTION	REFERENCE DOCUMENT	ENGINE	INTERVAL	NEXT DUE	DATE	AUTHORIZED SIGNATURE CERTIFICATION TYPE & NUMBER	ORGANIZATION
05-21-00	AIR INLET SECTION (FAN ASSEMBLY) GENERAL VISUAL	CSP 34022	8,892.0 FH	500 FH	9,392.0 FH	14 AUG 2008	<i>James M. Carthy</i> R/S AEOR215N	Standard Aero ALLIANCE W/O# EN702029
05-21-00	FPMU S/N: BAE-11756 GENERAL VISUAL	CSP 34022	8,892.0 FH	1000 FH	9,892.0 FH	14 AUG 2008	<i>James M. Carthy</i> R/S AEOR215N	Standard Aero ALLIANCE W/O# EN702029
05-21-00	FAN BLADES DETAILED INSPECTION	CSP 34022	8,892.0 FH	4000 FH	12,892.0 FH	14 AUG 2008	<i>James M. Carthy</i> R/S AEOR215N	Standard Aero ALLIANCE W/O# EN702029
05-21-00	IGNITERS REMOVE AND INSTALL NEW	CSP 34022	8,892.0 FH	4000 FH	12,892.0 FH	14 AUG 2008	<i>James M. Carthy</i> R/S AEOR215N	Standard Aero ALLIANCE W/O# EN702029
05-21-00	ACCESSORY DRIVE SECTION ADG S/N 0959 GENERAL VISUAL	CSP 34022	8,892.0 FH	10,000 FH	18,892.0 FH	14 AUG 2008	<i>James M. Carthy</i> R/S AEOR215N	Standard Aero ALLIANCE W/O# EN702029
05-21-00	BYPASS SECTION GENERAL VISUAL	CSP 34022	8,892.0 FH	10,000 FH	18,892.0 FH	14 AUG 2008	<i>James M. Carthy</i> R/S AEOR215N	Standard Aero ALLIANCE W/O# EN702029
05-21-00	FUEL COOLED OIL COOLER GENERAL VISUAL	CSP 34022	8,892.0 FH	10,000 FH	18,892.0 FH	14 AUG 2008	<i>James M. Carthy</i> R/S AEOR215N	Standard Aero ALLIANCE W/O# EN702029
05-21-00	FUEL SYSTEM DISTRIBUTION (TUBES AND HOSES) GENERAL VISUAL	CSP 34022	8,892.0 FH	10,000 FH	18,892.0 FH	14 AUG 2008	<i>James M. Carthy</i> R/S AEOR215N	Standard Aero ALLIANCE W/O# EN702029
05-21-00	OIL SYSTEM DISTRIBUTION (TUBES AND HOSES) GENERAL VISUAL	CSP 34022	8,892.0 FH	10,000 FH	18,892.0 FH	14 AUG 2008	<i>James M. Carthy</i> R/S AEOR215N	Standard Aero ALLIANCE W/O# EN702029
05-21-00	POWER CONTROL SECTION GENERAL VISUAL	CSP 34022	8,892.0 FH	10,000 FH	18,892.0 FH	14 AUG 2008	<i>James M. Carthy</i> R/S AEOR215N	Standard Aero ALLIANCE W/O# EN702029
05-21-00	TURBINE INTERSTAGE THERMOCOUPLE (A) HARNESS GENERAL VISUAL	CSP 34022	8,892.0 FH	10,000 FH	18,892.0 FH	14 AUG 2008	<i>James M. Carthy</i> R/S AEOR215N	Standard Aero ALLIANCE W/O# EN702029
05-21-00	TURBINE INTERSTAGE THERMOCOUPLE (B) HARNESS GENERAL VISUAL	CSP 34022	8,892.0 FH	10,000 FH	18,892.0 FH	14 AUG 2008	<i>James M. Carthy</i> R/S AEOR215N	Standard Aero ALLIANCE W/O# EN702029
05-21-00	FUEL NOZZLES REMOVE (REF. MM) AND CLEAN (REF. CMM 73-12-12)	CSP 34022	8,892.0 FH	10,000 FH	18,892.0 FH	14 AUG 2008	<i>James M. Carthy</i> R/S AEOR215N	Standard Aero ALLIANCE W/O# EN702029

NOTE*-----END-----

AE 3007A Series Airworthiness Directives



Rolls-Royce

AD Number / Effective Date	Reason	Action	Remarks	Applicable Service Bulletin(s)
Priority letter AD 98-02-09 16 January 1998 Superseded by AD 98-11-32 18 June 1998	Prevent in-flight shutdowns due to number 4 bearing failure	Required frequent inspections of engine magnetic chip collectors on engines with a certain bearing part number.	All of the subject bearings have been removed from the fleet.	AE 3007A-72-048 Superseded by SB AE 3007A-72-118 Or AE 3007A-72-055
AD 98-12-12 (AE 3007A) 24 June 1998 Superseded by AD 99-03-03 (AE 3007A and AE 3007A1/1) 16 February 1999	Prevent in-flight shutdowns due to inadequate control system fault accommodation logic	Reprogram the FADECs with software version VI.2 / Reprogram the FADECs with software version VI.6A	All engines comply.	AE 3007A-A-73-014 Superseded by SB AE 3007A-73-021 Superseded by SB AE 3007A-73-025
Telegraphic AD T99-02-51 8 January 1999 Superseded by AD 99-02-51 20 April 1999	Prevent in-flight shutdowns due to loss of oil from starter pad magnetic carbon seal	None if oil temperature is above 32°F. If oil temperature is below 32°F, run the engine at high power and monitor the engine oil level prior to takeoff.	Alternative means of compliance is to cap the starter pad drain.	AE 3007A-A-72-131
AD Published in the Federal Register on July 3, 2000, AD 2000-13-01 NPRM (Proposed AD) Docket No. 99-NE-15-AD Published in the Federal Register 8/5/99	Turbine wheels with potential tungsten inclusions or adverse surface condition	Remove certain turbine wheels before exceeding new, reduced cyclic life limits.	Removals per SB.	AE 3007A-A-72-105
AD Published in the Federal Register on June 2, 2000, AD 2000-11-22 NPRM (Proposed AD) Docket No. 99-NE-07-AD Published in the Federal Register 8/17/99	FAA initiative for enhanced inspection of selected critical life-limited parts.	Add enhanced inspection requirement to Maintenance Manual Airworthiness Limitations Section. AD would also require an air carrier's approved continuous airworthiness program to incorporate these inspection procedures.	MM revisions complete.	Not Applicable



Rolls-Royce

AE 3007A Series Airworthiness Directives

AD Number / Effective Date	Reason	Action	Remarks	Applicable Service Bulletin(s)
AD Published in the Federal Register on May 8, 2000, AD 2000-09-05 NPRM (Proposed AD) Docket No. 99-NE-46-AD Published in the Federal Register 10/12/99 Superseded by AD 2001-25-05 Published in the Federal Register on Dec 19, 2001.	Reduced compressor cone shaft life limits	Remove P/Ns 23050728 & 23070729 compressor cone shafts before exceeding new, reduced cyclic life limits	MM revised. Refer to chapter 5.	AE 3007A-A-72-152
AD Published in the Federal Register on September 7, 2000, AD 2000-18-06	Prevent in-flight shutdowns due to failure of FADEC TR-1 transistor	Ensure that all effected aircraft have no more than one effected engine before the next flight Remove and repair all effected FADECs prior to 22 December, 2000	All FADECs comply.	AE 3007A-A-73-041
AD Published in the Federal Register on August 31, 2001, AD 2001-17-31	Prevent early development of cracks due to low cycle fatigue of the 2 nd stage HPT wheel	Inspect engines with 2 nd stage HPT wheels with P/N 23063462, 23065892, 23069166 with S/N's MM183060 and before at next shop visit, or inspect P/N 23069592 with S/N MM183060 and before at next exposure but not to exceed 12,800 CSN.	MM revised. Refer to chapter 5.	AE 3007A-A-72-179
AD Published in the Federal Register on September 24, 2001, AD 2001-19-03	Prevent HPT 1 st and 2 nd stage turbine spacer failure.	Remove P/N 23058369 HPT 1 st and 2 nd stage turbine spacer before reach the new reduced cycle life limit of 9,400 cycles	MM revised. Refer to chapter 5.	---

AD Compliance Report

Engine - Rolls Royce - AE 3007A1

CAE312358

STANDARD AERO (ALLIANCE) INC.
WO # EN702029 01 AUG 2008

AD #	Subject	Date and Hours at Compliance	Recurring Yes/No	Next Due Date/Hours
98-11-32	No. 4 main engine bearings		Yes	
Description:	Engine - Rolls Royce - AE 3007A1	Mechanic name:	JAMES M CANADY	
Component:	Engine - Rolls Royce - AE 3007A1	Certificate #:	AE0R215N	
Effective Date:	06/18/1998	Authorized Sign.:	<i>James M Canady</i>	
Supersedes:	98-02-09			
Compliance:	N/A to P/N Installed			
Notes:				
2000-11-22	Critical life-limited rotating engine part failure		No	
Description:	Engine - Rolls Royce - AE 3007A1	Mechanic name:	JAMES M CANADY	
Component:	Engine - Rolls Royce - AE 3007A1	Certificate #:	AE0R215N	
Effective Date:	08/07/2000	Authorized Sign.:	<i>James M Canady</i>	
Supersedes:	N/A			
Compliance:	N/A to Repair Station			
Notes:				
2000-13-01	Uncontained turbine wheel failure		No	
Description:	Engine - Rolls Royce - AE 3007A1	Mechanic name:	JAMES M CANADY	
Component:	Engine - Rolls Royce - AE 3007A1	Certificate #:	AE0R215N	
Effective Date:	09/01/2000	Authorized Sign.:	<i>James M Canady</i>	
Supersedes:	N/A			
Compliance:	N/A to P/N Installed			
Notes:				
2000-18-06	Prevent an uncommanded in-flight engine shutdown		No	
Description:	Engine - Rolls Royce - AE 3007A1	Mechanic name:	JAMES M CANADY	
Component:	Engine - Rolls Royce - AE 3007A1	Certificate #:	AE0R215N	
Effective Date:	09/22/2000	Authorized Sign.:	<i>James M Canady</i>	
Supersedes:	N/A			
Compliance:	N/A to Repair Station			
Notes:				

Engine - Rolls Royce - AE 3007A1

CAE312368

STANDARD AERO (ALLIANCE) INC.
WO # EN702029 01 AUG 2008

AD #	Subject	Date and Hours at Compliance	Recurring Yes/No	Next Due Date/Hours
2001-25-05	Prevent low-cycle fatigue (LCF) failure of cone shafts	No		
Description:	Engine - Rolls Royce - AE 3007A1	Mechanic name:	JAMES M CANADY	
Component:	Engine - Rolls Royce - AE 3007A1	Certificate #:	AE0R215N	
Effective Date:	01/23/2002	Authorized Sign.:	<i>James M Canady</i>	
Supersedes:	2000-09-05			
Compliance:	N/A to P/N Installed			
Notes:				
2003-25-08	Prevent 1st to 2nd stage turbine spacer failure	01 AUG 2008 CSN 8,892 CSN 8,227	No	SEE NOTES
Description:	Engine - Rolls Royce - AE 3007A1	Mechanic name:	JAMES M CANADY	
Component:	Engine - Rolls Royce - AE 3007A1	Certificate #:	AE0R215N	
Effective Date:	01/21/2004	Authorized Sign.:	<i>James M Canady</i>	
Supersedes:	N/A			
Compliance:	Complied with SB AE3007A-A-72-265, replaced the 1st/2nd Stage HPT Spacer.			
Notes:	REINSPECTION OF THE SPACER S/N TW517824 IS NOT REQUIRED PER P/N INSTALLED.			
2004-04-05	Prevent the rapid failure of the No. 1 bearing	Yes		SEE NOTES
Description:	Engine - Rolls Royce - AE 3007A1	Mechanic name:	JAMES M CANADY	
Component:	Engine - Rolls Royce - AE 3007A1	Certificate #:	AE0R215N	
Effective Date:	03/09/2004	Authorized Sign.:	<i>James M Canady</i>	
Supersedes:	2001-08-15			
Compliance:	N/A to Configuration			
Notes:	S/B AE3007A-72-248 WAS FOUND EMBODDED ON THIS SHOP VISIT. INSPECTION CRITERIA PER AD IS TERMINATED AT THIS TIME.			
2007-24-05	To prevent an in-flight engine shutdown due to loss of engine oil from the engine accessory gearbox starter pad shaft seal drain and possible loss of the airplane	01 AUG 2008 CSN 8,892 CSN 8,227	No	SEE NOTES
Description:	Engine - Rolls Royce - AE 3007A1	Mechanic name:	JAMES M CANADY	
Component:	Engine - Rolls Royce - AE 3007A1	Certificate #:	AE0R215N	
Effective Date:	01/02/2008	Authorized Sign.:	<i>James M Canady</i>	
Supersedes:	99-02-51			
Compliance:	Complied with			
Notes:	SBs AE3007A-72-321, AE3007A-72-274, and AE3007A-72-330 were found embodied and/or embodied during this shop visit. Requirements for Terminating Action of this AD have been accomplished (Ref. Table #1 of this AD).			

AD Compliance Report

Engine - Rolls Royce - AE 3007A1

CAE312358

STANDARD AERO (ALLIANCE) INC.
W/O # EN702029 03 DEC 2008

AD # Subject

PL2008-19-51 Cracked high-pressure turbine (HPT) stage 2 wheels

Date and Hours Recurring Next Due
at Compliance Yes/No Date/Hours

Yes SEE NOTE

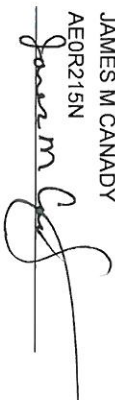
Description: Engine - Rolls Royce - AE 3007A1

Component: Engine - Rolls Royce - AE 3007A1

Effective Date: Upon Receipt

Supersedes: N/A

Category: Engine
Superseded By: N/A

Mechanic name: JAMES M CANADY
Certificate #: AE0R215N
Authorized Sign.: 

Compliance: Compliance: NOT complied with

Notes: *NOTE: PER ALITALIA REQUEST, ENGINE IS BEING SHIPPED WITHOUT COMPLIANCE OF AIRWORTHINESS DIRECTIVE AE3007A-AD-2008-19-51, REV 0 DATED 8 SEPT 2008. CUSTOMER REQUIRED TO FULFILL REQUIREMENT OF AD PRIOR TO INSTALLATION OF ENGINE