user/installer ensures that his/h Statements in Blocks 14 and 15 national regulations by the user	It is important to understand th Where the user/installer perforr		17. Name (Typed or Printed):	15. Authorized Signature	Approved design  Non-approved de	Certifies the items identifie	13. Remarks:  - RETURN TO SERVICE RETURN TO SERVICE Reyce manuals CSP34022 Administration Regulations. incorporated by reference. AE3007A-AD-2008-19-51, ENGINE  "Standard Aero (Alliance) Inc. Certiready for release to service under EA		6. Item: 7. I	STANDARD AERO (ALLIANCE) INC.	4. Organization Name and Address	FAA/United States	1.Approving National Aviation Authority/Country:
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.	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. It is is according to the country specified in Block. It is according to the country specified in Block. It is according to the country specified in Block. It is according to the country specified in Block. It is according to the country specified in Block. It is according to the country specified in Block. It is according to the country specified in Block. It is according to the country specified in Block. It is according to the country specified in Block. It is according to the country specified in Block. It is according to the country specified in Block. It is according to the country specified in Block. It is according to the country specified in Block. It is according to the country specified in Block. It is according to the country specified in Block. It is according to the country specified in Block. It is according to the country specified in the country specified in Block.		18. Date: (m/d/y).	16. Approval/Autorization No.	Approved design data and are in a condition for safe operation  Non-approved design data specified in Block 13.	Certifies the items identified above were manufactured in conformity to	D = .	ENGINE ASSY, TURBOFAN, AE3007A1	Description: 8.	LLIANCE) INC. 1029 ROSS DRIVE	285:		2. AUTI
onents/assemblies from the airw all cases, aircraft maintenance	not automatically constitute authorations of an airworthiness autho	User/Installer Responsibilities		ation No.:			s and 8,227 cycles. Ins 007 and CSP31010 Rev maintenance performed UEST, ENGINE IS BEIL CUSTOMER REQUIR 13 was carried out in accordan 45.4894."	23070991	Part Number: 9.	RIVE MARYVILLE, TN 37801		FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	AUTHORIZED RELEASE CERTIFICATE
orthiness authority of the cou	ority to install the part/composition to install the part/composition of the part of the p	esponsibilities	O Z	20. Authorized Signature:	Certifies that unless o described in Block 13 Regulations part 43 ar	19. X 14 CFR 43.9 R	pected, repaired, testifision 27, Dated 20 DI ision 27, Dated 20 DI . Condition Report & V NG SHIPPED WITHO RED TO FULFILL REC	N/A 1	Eligibility: *	TN 37801 Repair Station#		THINESS APPROVAL TAG	ASE CERTIFIC
ntry specified in block 1.	nent/assembly.		<i>ed):</i>	Condy	therwise specified in Block 13, the work identified in Block 12 at was accomplished in accordance with Title 14, Code of Federal and in respect to that work, the items are approved for return to se	14 CFR 43.9 Return to Service X O	ed, and preserved for 180 EC 2007 and all applicab Work Order Summary is DUT COMPLIANCE OF AD PROPERTY OF ADD PROPERTY OF	each CAE312358	Quantity: 11. Serial/Batch Number	AE0R215N	5. V		CATE
dance with the	offeed in Block I is in accountable that the		23. Date: (m/d/y): DEC /03/2008	21. Approved/Cerificate No.: AE0R215N	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.	Other regulation specified in Block 13	Time since new: 8,892:0 hours and 8,227 cycles. Inspected, repaired, tested, and preserved for 180 days in accordance with Rolls-Revision 44, dated 20 OCT 2007 and CSP31010 Revision 27, Dated 20 DEC 2007 and all applicable Federal Aviation. AD/SB incorporation among maintenance performed. Condition Report & Work Order Summary is submitted electronically and is *NOTE: PER ALITALIA REQUEST, ENGINE IS BEING SHIPPED WITHOUT COMPLIANCE OF AIRWORTHINESS DIRECTIVE REV 0 DATED 8 SEPT 2008. CUSTOMER REQUIRED TO FULFILL REQUIREMENT OF AD PRIOR TO INSTALLATION OF Street to the component of the component o	358 Repaired	ımber: 12. Status/Work:	EN702029	5. Work Order/ Contract/ Invoice Number:	EN702029 21622	3. Form Tracking Number:



#### Modification List

Customer: ALITALIA EXPRESS S.P.A. LCN: EN105059

CVE317328 Serial#: Part #: 23070991

Model: AE3007A

	AE3007A-AD-2007-24-05
WE3001A-AD-2003-25-08	AE3007A-A-72-265
AE3007A-79-039	AE3007A-79-037
AE3007A-79-035	AE3007A-78-004
YE3001Y-12-039	AE3007A-75-038
AE3007A-75-035	AE3007A-75-034
AE3007A-75-033	AE3007A-75-032
AE3007A-74-007	AE3007A-74-005
AE3007A-72-351	AE3007A-72-339
AE3007A-72-332	AE3007A-72-330
AE3007A-72-327	AE3007A-72-322
AE3007A-72-321	AE3007A-72-308
AE3007A-72-306	AE3007A-72-304
AE3007A-72-302	AE3007A-72-300
AE3007A-72-299	AE3007A-72-294
AE3007A-72-287	AE3007A-72-285
AE3007A-72-278	AE3007A-72-274
AE3007A-72-266	AE3007A-72-191
S EMBODIED	<b>VIRMORTHINESS DIRECTIVES / MODIFICATION</b>

#### AE3007A-75-040 . \_3001A-72-251, AE3007A-72-289, AE3007A-72-291.

ALKWORTHINESS DIRECTIVES / MODIFICATIONS FOUND EMBODIED

YE3007A-72-186	AE3007A-72-176
<b>EONND EMBODIED BEK FOGBOOK</b>	AIRWORTHINESS DIRECTIVES / MODIFICATIONS
WE3007A-A-73-012	AE3007A-A-72-207
AE3007A-A-72-197	YE3007A-A-72-156
AE3007A-79-030	YE3007A-79-029
YE3007A-79-025	WE3007A-77-001
YE3007A-76-006	WE3007A-76-005
YE3007A-76-003	AE3007A-75-030
YE3007A-75-027	AE3007A-75-025
YE3007A-75-015	AE3007A-75-013
YE3001Y-14-006	AE3007A-73-057
YE3001Y-13-023	AE3007A-73-009
AE3007A-73-005	AE3007A-73-003
AE3007A-72-338	AE3007A-72-286
AE3007A-72-260	AE3007A-72-253
AE3007A-72-239	AE3007A-72-234
YE3007A-72-228	AE3007A-72-214
AE3007A-72-203	YE3007A-72-172
AE3007A-72-168	AE3007A-72-118
AE3007A-72-115	AE3007A-72-109
AE3007A-72-083	AE3007A-72-065
AE300/A-72-035	WE3001W-15-052

8005 - 1 3UA

Maryville, TN 37801

STANDARD AERO (ALLIANCE) INC.

ASU

1029 Ross Drive

AE3007A-72-215

AE3007A-72-188

AE3007A-A-72-178

AE3007A-72-208

# **ENGINE MODIFICATION RECORD**

AE3001 A-1 4-344	VE2002 V 2000 S V 200	AE3007A-72-321		AE3007A-72-308		AE3007A-72-306		AE3007A-72-304		AE3007A-72-302	NEGOGIA E 000	005-62-V20023V	AE3007A-72-299		AE3007A-72-294		AE3007A-72-291		AE3007A-72-289		AE3007A-72-287		AE3007A-72-285		AE3007A-72-278	AE300/A-/2-2/4	10001	AE3007A-72-266		AE3007A-72-251		AE3007A-72-191	DIRECTIVE NUMBER	3. MODIFICATION INFORMATION:	1. ENGINE SERIAL NUMBER:
5/6/2005	11/12/2007	2	6/14/2004	0	7/23/2007	2	9/20/2005	0	3/15/2004	0	4/26/2004	0/13/2000	2	4/26/2004		7/19/2005	0	7/19/2004	1	1/11/2005	_	11/22/2004	0	2/5/2007	4	11/12/2007	8/5/2005		5/23/2005	1	12/11/2000	0	DATE	MATION:	,;;   ;;;
COMPRESSOR BLADE (23079367)	ASSEMBLY - NEW STARTER SHAFT SEAL	ENGINE - ACCESSORY DRIVE GEARBOX	VALUE	ENGINE - INCREASED TIE BOLT STRETCH	(23077933)	ENGINE - NEW COMBUSTION LINER	(23078783) - REWORK	ENGINE - NEW FAN SPINNER ASSEMBLY	THE NO. 3 BEARING DAMPER	ENGINE - NEW O-RING (M83485/1-047) FOR	FORWARD RETAINER ASSEMBLY (23062491)	ENCINE INCRECTION OF THE FAN DI ADE	ENGINE - NEW RADIAL DRIVE QUILL SHAFT	PRESSURE/VENT OIL TUBES - HIGH	ENGINE - CENTER SUMP SCAVENGE AND	SUPPORT AND FORCED MIXER CORE FLOW	ENGINE-NEW REAR TURBINE BEARING	ASSEMBLY AND INSTALL THE NEW SINGLE	ENGINE - REWORK THE FRONT FRAME	SUPPORT ASSEMBLY REWORK	ENGINE - REAR OUTER BYPASS DUCT	TUBE SUPPORT BRACKET	ENGINE - NEW DIFFUSER TO HPT CASE	ASSEMBLY - NEW FPMU DRIVE GEAR	ENGINE - ACCESSORY DRIVE GEARROX	PAD DRAIN - REMOVE THE DRAIN CAP OR		ENGINE - NO. 4 BALL BEARING INSPECTION		ENGINE - INSPECTION OF THE FRONT SUMP		ENGINE - ADG - INSTALL THE DRAIN PLUG	SUBJECT OF BULLETIN OR DIRECTIVE		CAE312358 TSN: 8892
ONE-TIME	Civin	ONE-TIME	ONE-LIME		ONE-IME	2017	ONE-IIME	2	ONE-IIME		ONE-TIME		ONE-TIME	Cide	ONE-TIME	CNU- INIE	ONE TIME	ONE-TIME		ONE-IME		ONE-IIME		ONE-TIME		ONE-TIME	1	ONE-TIME	ONE-IIME	1	CNE-IME		TYPE		CSN: 8227
01-Aug-08	-Aug-0	N/A N/A	-Aug-C	N/A N/A	-Aug-C	N/A N/A	01-Aug-08	N/A N/A	01-Aug-08	N/A N/A	01-Aug-08	-Aug-c	N/A N/A	01-Aug-08	N/A N/A	01-Aug-08	N/A N/A	01-Aug-08	N/A N/A	-Aug-C	N/A N/A	-Aug-(	N/A N/A	1-Aug-C	N/A N/A	01-A110-08	1-Aug-(	N/A N/A	l-Aug-C	N/A N/A	1-Aug-C	N/A N/A	ACCOMPLISHED	4. COMPLIANCE TIME	2. ENGINE MODEL:
R/S#AEOR215N	R/S#AE0R215N	Jan M Coordy	R/S#AE0R215N	O mo	R/S#AE0R215N	0 80	O R/S#AE0R215N	a mach	R/S#AE0R215N	Q = mC-d	RIS#AEOR215N	TAN#AFURZISN	Jam Cordy		mar m Cordy	R/S#AE0R215N	) [	R/S#AE0R215N	O mach	R/S#AE0R215N	0	R/S#AE0R215N	O mC	R/S#AEOR215N		RICHAEOROJANI	1 1 2 2	Jan Cord	R/S#AE0R215N	$\overline{}$	R/S#AE0R215N	0 - 200 - 1 - 1 - 1	CERTIFICATION TYPE / NUMBER	5. SIGNATURE ENTRY and COMPANY	AE 3007A1
Standard Aero (Alliance) Inc. WO# EN702029	Inc. WO# EN702029		Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	EN/02029	Standard Aero (Alliance)	Inc. WO# EN702029		Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# ENTOSOS	Inc. WO# EN702029		Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	ORGANIZATION	NY	Page 1 of 3

# **ENGINE MODIFICATION RECORD**

VE00011/14/12/200	ΔΕ3007Δ_Δ_72_265	AE3007A-79-039		AE3007A-79-037		AE3007A-79-035		AE3007A-78-004		AE3007A-75-039		AE3007A-75-038		AE3007A-75-035		AE3007A-75-034		AE3007A-75-033		AE3007A-75-032		AE3007A-74-007		AE3007A-74-005		AE3007A-72-351		AE3007A-72-339		AE3007A-72-332		AE3007A-72-330		AE3007A-72-327	DIRECTIVE NUMBER	BULLETIN OR	3. MODIFICATION INFORMATION:	1. ENGINE SERIAL NUMBER:
11/7/2005	10/16/2006	2	5/21/2007	2	3/5/2007	2	9/4/2007	2	10/30/2007	0	7/26/2007	0	10/20/2006	1	9/9/2006	0	9/6/2005	0	8/6/2007		5/1/2006	2	10/22/2007	4	12/21/2008	2	8/7/2006	0	7/3/2006	_	11/12/2007	_	5/9/2005	0	DATE	ISSUE/REVISION	MATION:	
PRESSURE TURBINE SPACER INSPECTION	GEARBOX PRESSURE OIL TUBE (23080854)	OIL - NEW LINE TEE-TO-ACCESSORY	(23078098)	OIL - NEW LOW OIL PRESSURE SWITCH	SENSOR INSPECTION	OIL - OIL PRESSURE / TEMPERATURE	MIXER (23077972)	EXHAUST-NEW FORCED CORE-TO-BYPASS	COMPRESSOR AIR DISCHARGE AIR TUBE.	EXAMINE THE LEFT-HAND 14TH-STAGE	AIR TUBE V-BAND CLAMP INSPECTION	AIR - LEFT-HAND COMPRESSOR DISCHARGE	BRACKET (23084046)	NEW CVG ACTUATING CYLINDER MOUNTING	CORE MANIFOLD (23073458)	AIR - REWORK THE CUSTOMER-SERVICES	MANIFOLD INSPECTION	AIR - CUSTOMER-SERVICES OUTER	BUFFER-EXHAUST-PIPE ASSEMBLY	AIR - REMOVE THE LOWER-CENTER-SUMP	INSPECTION	PERMANENT MAGNET ALTERNATOR ROTOR		PMA ROTOR AND STATOR INSPECTION	GEAR	ENGINE - REWORK THE FRONT SUMP BEVEL	REWORK	ENGINE - BEVEL PINION GEARSHAFT -	REAR-SHAFT PLUG O-RING (23078077-5)	ENGINE - NEW LOW PRESSURE TURBINE	PAD DRAIN - INSTALL THE OPEN STARTER	ENGINE - ACCESSORY GEARBOX STARTER	NO. 4 CARBON SEAL	ENGINE - NEW TEFLON SEAL (23080495) ON		SUBJECT OF BULLETIN OR DIRECTIVE		CAE312358 TSN: 8892
RECURRING		ONE-TIME	ONE-1 INE	ONE TIME	ONE-IIME	ONE TIME	ONE-LIME	2	ONE-LINE	ONE TIME	ONE-TIME		ONE-TIME		ONE- HME	ONIT TIME	CIVIE- LIMIE	ONIE TIME	CNETINE	ONIE TIME	KECOKKING	DECI IDDINIC	VECCHVING	DECLIBBING	ONE-TIME	1	ONE-TIME		CINE-LIME	ONIT TIME	ONE-IIME		ONE- INE	2		TYPE		CSN: 8227
01-Aug-08	-Aug	N/A N/A	01-Aug-08	N/A N/A	01-Aug-08	N/A N/A	-Aug-C	N/A N/A	01-Aug-08	N/A N/A	1-Aug-C	N/A N/A	-Aug-(	N/A N/A	01-Aug-08	N/A N/A	01-Aug-08	N/A N/A	01-Aug-08	N/A N/A	اچَ	SEE S/B SEE S/B	01-Aug-08	SEE S/B SEE S/B	1-Aug-C	N/A N/A	-Aug-C	N/A N/A	01-Aug-08	N/A N/A	l-Aug-C	N/A N/A	01-Aug-08	N/A N/A	UF	INTERVAL   NEXT DUE	4. COMPLIANCE TIME	2. ENGINE MODEL:
R/S#AEOR215N	R/S#AE0R215N	Jan mark	0 R/S#AE0R215N	Character Co.	R/S#AE0R215M	2 mc	R/S#AE0R215N	O mcak	R/S#AE0R215N	an m County	R/S#AE0R215N	0 mp	R/S#AE0R215N	O. B. B. Cirk	R/S#AE0R215N	C mC-5	R/S#AE0R215N	Pam Collins	R/S#AE0R215N	21	R/S#AE0R215N	Jaum Condy	R/S#AE0R215N	an mood	R/S#AE0R215N	0 30 6	R/S#AFOR215N	0 0	R/S#AE0R215N	h-mc-l	R/S#AE0R215N	0::::::::::::::::::::::::::::::::::::::	R/S#AE0R215N	P. MC	CERTIFICATION TYPE / NUMBER	AUTHORIZED SIGNATURE	5. SIGNATURE ENTRY and COMPANY	AE 3007A1
Inc. WO# EN702029	Inc. WO# EN702029		Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# FN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)	Inc. WO# EN702029	Standard Aero (Alliance)		ORGANIZATION	NY	Page 2 of 3

# **ENGINE MODIFICATION RECORD**

1. ENGINE SERIAL	1. ENGINE SERIAL NUMBER: CAE312358	12358	TSN: 8892	CSN: 8227	2. ENGINE MODEL: AE 3007A1	AE 3007A1	Page 3 of 3
3. MODIFICATION INFORMATION:	MATION:				4. COMPLIANCE TIME	4. COMPLIANCE TIME 5. SIGNATURE ENTRY and COMPANY	1Y
BULLETIN OR	ISSUE/REVISION	SUBJECT OF	SUBJECT OF BULLETIN OR DIRECTIVE	TYPE	INTERVAL NEXT DUE	AUTHORIZED SIGNATURE	ORGANIZATION
DIXECTIVE NOMBEX	DAIE				ACCOMPLISHED	CERTIFICATION TYPE / NUMBER	
AE3007A-AD-2003-25-08	0	LIFE LIMIT REDU	LIFE LIMIT REDUCTION AND INSPECTION		N/A N/A		Standard Aero (Alliance)
	1000/10/1	DECI IIDEMENTS	EOD CEDTAIN LIDT 4 3	CNE-IME		1	- NO#
	1/21/2004	YEACIKENEN O	ZERCIZEMEN O FOR CERTAIN HTT 1-2		01-Aug-08	R/S#AE0R215N	Inc. WU# EN702029
AE300/A-AD-2007-24-05	0	STARTER SHAFT	STARTER SHAFT SEAL AND STARTER DRAIN		N/A N/A	O. L. MCLX	Standard Aero (Alliance)
	1/2/2008	ADAPTER UPGRADE	DE	CIAL-IINIC	01-Aug-08	5	Inc. WO# EN702029

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

		A E 3 0 0 7 0 1 0		DIRECTIVE NUMBER		3. MODIFICATION INFORMATION:	
0/19/2000	2/10/2008	(	0	DATE	ISSUE/REVISION		
INSPECTION.	DISCHARGE AIR LOBE V-BAND CLAMT		AIR- LEFT-HAND COMPRESSOR	SUBJECT OF BULLETIN OR DIRECTIVE			
	ONE-IME			TYPE			
14 AUG 2008	(3)		N/A N/A	ACCOMPLISHED	INTERVAL NEXT DUE	4. COMPLIANCE TIME	
R/S#AEOR215N	00	* S = 1 = 1		CERTIFICATION TYPE & NUMBER	AUTHORIZED SIGNATURE	5. SIGNATURE ENTRY and COMPANY	
WO# EN702029	Standard Aero (Alliance) Inc.	Charles Asset (Allisans)		ORGANIZATION			

# ENGINE MODIFICATION RECORD

1. ENGIN	1. ENGINE SERIAL NUMBER: CAE312358	CAE312358		2. ENGINE MODEL:	AE3007A1P	
3. MODIFICATION INFORMATION	ORMATION			4. COMPLIANCE TIME	5. SIGNATURE ENTRY and COMPANY	NY
BULLETIN OR	ISSUE/REVISION			INTERVAL NEXT DUE		
DIRECTIVE NUMBER	DATE	SUBJECT OF BULLETIN OR DIRECTIVE	TYPE	ACCOMPLISHED	CERTIFIÇATION TYPE, & NUMBER	ORGANIZATION
SB AE 3007A-72-149	MAR 29, 2000	ENGINE - AE 3007A1P TO AE 3007A1 ENGINE	ONE-TIME	A/N A/N	The Residence	Rolls-Royce
VEAPOUT V	WIST 01, 2002	TOTAL CALLON.	RECURRING	MAR 11, 2003	FAA A&P 2387488	Corporation
SB AE 3007A-73-044	NOV 20, 2000	ENGINE FUEL AND CONTROL - NEW FADEC	ONE-TIME	N/A N/A	This Ment	Rolls-Royce
	SEF 25, 2001	3007A1 ENGINE	RECURRING	MAR 11, 2003	FAA A&P 2387483M	Corporation
SB AE3007A-79-	May 14, 2002	Oil - Oil inspection for	ONE-TIME	5FD/50FH	(-) (A)	
$\triangleright$	May 14, 2001	debris.	RECURRING	Apr. 7, 2003	Quality Assurance	EMBKAEK
			ONE-TIME			
			RECURRING			
		7	ONE-TIME			gli Terres
			RECURRING			
-13-			ONE-TIME			
			RECURRING			
			ONE-TIME			
			RECURRING			
			ONE-TIME			
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			ONE-TIME			
			RECURRING			
			ONE-TIME			
			RECURRING			
			ONE-TIME			
			RECURRING			
GT-10038						

### ENGINE INSPECTION RECORD

05-21-00	05-21-00	05-21-00	05-21-00	05-21-00	05-21-00	05-21-00	05-21-00	05-21-00	05-21-00	05-21-00	05-21-00	05-21-00	INSPECTION NUMBER	3. INSPECTION INFORMATION:	1. ENGINE SERIAI
FUEL NOZZLES REMOVE (REF. MM) AND CLEAN (REF. CMM 73-12-12)	TURBINE INTERSTAGE THERMOCOUPLE (B) HARNESS GENERAL VISUAL	TURBINE INTERSTAGE THERMOCOUPLE (A) HARNESS GENERAL VISUAL	POWER CONTROL SECTION GENERAL VISUAL	OIL SYSTEM DISTRIBUTION (TUBES AND HOSES) GENERAL VISUAL	FUEL SYSTEM DISTRIBUTION (TUBES AND HOSES) GENERAL VISUAL	FUEL COOLED OIL COOLER GENERAL VISUAL	BYPASS SECTION GENERAL VISUAL	ACCESSORY DRIVE SECTION ADG S/N 0959 GENERAL VISUAL	IGNITERS REMOVE AND INSTALL NEW	FAN BLADES DETAILED INSPECTION	GENERAL VISUAL	AIR INLET SECTION (FAN ASSEMBLY) GENERAL VISUAL	INSPECTION DESCRIPTION	FORMATION:	ENGINE SERIAL NUMBER: CAE312358
CSP 34022	CSP 34022	CSP 34022	CSP 34022	CSP 34022	CSP 34022	CSP 34022	CSP 34022	CSP 34022	CSP 34022	CSP 34022	CSP 34022	CSP 34022	REFERENCE DOCUMENT		
8,892:0 FH	8,892:0 FH	8,892:0 FH	8,892:0 FH	8,892:0 FH	8,892:0 FH	8,892:0 FH	8,892:0 FH	8,892:0 FH	8,892:0 FH	8,892:0 FH	8,892:0 FH	8,892:0 FH	ENGINE	4. COMPLIANCE TIME	
10,000 FH	10,000 FH	10,000 FH	10,000 FH	10,000 FH	10,000 FH	10,000 FH	10,000 FH	10,000 FH	4000 FH	4000 FH	1000 FH	500 FH	INTERVAL	CE TIME	
18,892:0 FH	18,892:0 FH	18,892:0 FH	18,892:0 FH	18,892:0 FH	18,892:0 FH	18,892:0 FH	18,892:0 FH	18,892:0 FH	12,892:0 FH	12,892:0 FH	9,892:0 FH	9,392:0 FH	NEXT DUE		2. 臣
14 AUG 2008	14 AUG 2008	14 AUG 2008	14 AUG 2008	14 AUG 2008	14 AUG 2008	14 AUG 2008	14 AUG 2008	14 AUG 2008	14 AUG 2008	14 AUG 2008	14 AUG 2008	14 AUG 2008	DATE		ENGINE MODEL: AE3007A1
R/S AEOR215N	RVS AEOR215N	R/S AEOR215N	R/S AEOR215N	RIS AEOR215N	RIS AEOR215N	R/S AEOR215N	Pour m Cordy R/S AEOR215N	R/S AEOR215N	R/S AEOR215N	RIS AEOR215N	James m Carely R/S AEOR215N	Poses M Consul	AUTHORIZED SIGNATURE CERTIFICATION TYPE & NUMBER	5. SIGNATURE ENTRY and COMPANY	AE3007A1
Standard Aero ALLIANCE WIO# EN702029	Standard Aero ALLIANCE W/O# EN702029	Standard Aero ALLIANCE W/O# EN702029	Standard Aero ALLIANCE WIO# EN702029	Standard Aero ALLIANCE W/O# EN702029	Standard Aero ALLIANCE W/O# EN702029	Standard Aero ALLIANCE W/O# EN702029	Standard Aero ALLIANCE W/O# EN702029	Standard Aero ALLIANCE WIO# FN702029	Standard Aero ALLIANCE W/O# EN702029	Standard Aero ALLIANCE W/O# EN702029	Standard Aero ALLIANCE W/O# EN702029	Standard Aero ALLIANCE W/O# EN702029	ORGANIZATION		Page 1 of 1

# AE 3007A Series Airworthiness Directives

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AD Number / Effective Date	Reason	Action	Remarks	Applicable Service Bulletin(s)
Priority letter AD 98-02-09	Prevent in-flight shutdowns	Required frequent inspections of engine	All of the	AE 3007A-72-048
16 January 1998	due to number 4 bearing	magnetic chip collectors on engines with a	subject	Superseded by SB
Superseded by AD 98-11-32 18 June 1998	failure	certain bearing part number.	bearings have been	AE 3007A-72-118 Or AE 3007A-72-055
			removed from the fleet.	
AD 98-12-12 (AE 3007A) 24 June 1998	Prevent in-flight shutdowns due to inadequate control	Reprogram the FADECs with software version VI.2 / Reprogram the FADECs	All engines	AE 3007A-A-73-014
Superseded by AD 99-03-03 (AE 3007A and AE 3007A1/1) 16 February 1999	system fault accommodation logic	with software version VI.6A	70	73-021 Superseded by SB AE 3007A-73-025
Telegraphic AD T99-02-51	Prevent in-flight shutdowns	None if oil temperature is above 32°F. If	Alternative	AE 3007A-A-72-131
Superceded by AD 99-02-51 20 April 1999	pad magnetic carbon seal	engine at high power and monitor the engine oil level prior to takeoff.	compliance is to cap the starter pad	
AD Published in the Federal Register on July 3, 2000, AD 2000-13-01	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
NPRM (Proposed AD) Docket No. 99-NE-15-AD Published in the Federal Register 8/5/99				
AD Published in the Federal Register on June 2, 2000, AD 2000-11-22	FAA initiative for enhanced inspection of selected critical life-limited parts.	Add enhanced inspection requirement to Maintenance Manual Airworthiness Limitations Section. AD would also	MM revisions complete.	Not Applicable
NPRM (Proposed AD) Docket No. 99-NE-07-AD Published in the Federal Register 8/17/99		continuous airworthiness program to incorporate these inspection procedures.		

# AE 3007A Series Airworthiness Directives



AD Number / Effective Date	Reason	Action	Remarks	Applicable Service Bulletin(s)
AD Published in the Federal	Reduced compressor cone	Remove P/Ns 23050728 & 23070729	MM revised.	AE 3007A-A-72-152
Register on May 8, 2000, AD 2000-09-05	shaft life limits	compressor cone shafts before exceeding new, reduced cyclic life limits	Refer to	
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.				
AD Published in the Federal	Prevent in-flight shutdowns	Ensure that all effected aircraft have no	All FADECs	AE 3007A-A-73-041
Register on September 7, 2000,	due to failure of FADEC TR-1		comply.	
AD 2000-18-06	transistor	next flight	-	
		Remove and repair all effected FADECs		
		prior to 22 December, 2000		
AD Published in the Federal	Prevent early development of	Inspect engines with 2 <sup>nd</sup> stage HPT	MM revised.	AE 3007A-A-72-179
Register on August 31, 2001,	cracks due to low cycle	wheels with P/N 23063462, 23065892,	Refer to	
AD 2001-17-31	fatigue of the 2 <sup>nd</sup> stage HPT	23069166 with S/N's MM183060 and	chapter 5.	
	wheel	before at next shop visit, or inspect P/N	79	
		23069592 with S/N MM183060 and before		
		at next exposure but not to exceed 12,800		
		CSN.		
AD Published in the Federal	Prevent HPT 1 <sup>st</sup> and 2 <sup>nd</sup>	Remove P/N 23058369 HPT 1 <sup>st</sup> and 2 <sup>nd</sup>	MM revised.	
Register on September 24,	stage turbine spacer failure.	stage turbine spacer before reach the new	Refer to	
2001, AD 2001-19-03		reduced cycle life limit of 9,400 cycles	chapter 5.	

### **AD Compliance Report**

AD# Subject						
				Date and Hours at Compliance	Recurring Yes/No	Next Due Date/Hours
98-11-32 No. 4 main er	No. 4 main engine bearings				Yes	
	Engine - Rolls Royce - AE 3007A1					
Component: Engine - Rolls Effective Date: 06/18/1998	Engine - Rolls Royce - AE 3007A1 06/18/1998	Category:	Engine	Mechanic name: Certificate #:	JAMES M CANADY AE0R215N	יסץ.
	nstalled	Superseded By:	N/A	Authorized Sign.:	Janes M	Conty
Notes:						
2000-11-22 Critical life-lim	Critical life-limited rotating engine part failure	ге			No	
Description: Engine - Rolls	Engine - Rolls Royce - AE 3007A1					
	Engine - Rolls Royce - AE 3007A1			Mechanic name:	JAMES M CANADY	YOY
Effective Date: 08/07/2000		Category:	Engine	Certificate #:	AEOR215N	-
Supersedes: N/A to Repair Station	ir Station	Superseded By:	N/A	Authorized Sign.:	Janes M	Lower
2000-13-01 Uncontained	Uncontained turbine wheel failure				No	
Description: Engine - Rolls	Engine - Rolls Royce - AE 3007A1					
	Engine - Rolls Royce - AE 3007A1			Mechanic name:	JAMES M CANADY	אם
Effective Date: 09/01/2000		Category:	Engine	Certificate #:	AEOR215N	>
Supersedes: N/A to P/N Installed	nstalled	Superseded By:	N/A	Authorized Sign.:	Jane	Cowy
2000-18-06 Prevent an ur	Prevent an uncommanded in-flight engine shutdown	shutdown			No	
Description: Engine - Rolls	Engine - Rolls Royce - AE 3007A1					
	Engine - Rolls Royce - AE 3007A1			Mechanic name:	JAMES M CANADY	אם
Effective Date: 09/22/2000		Category:	Engine	Certificate #:	AEOR215N	
	7	Superseded By:	N/A	Authorized Sign.:	Janes M	Lord
Notice: The to repair Orange					<	

- age v	20					08/01/2008
Engine - Rolls Royce - AE 3007A1		CAE312358 S	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	e shafts			No	
Description:	Engine - Rolls Royce - AE 3007A1					
Component:	Engine - Rolls Royce - AE 3007A1			Mechanic name:	JAMES M CANADY	ADY
Effective Date:	01/23/2002	Category:	Engine	Certificate #:	AEQR215N	-
Supersedes:	2000-09-05	Superseded By:	N/A	Authorized Sign.:	Janes 1	Vieter/
Compliance:	N/A to P/N Installed				0	`
Notes:						
2003-25-08	Prevent 1st to 2nd stage turbine spacer failure	ū		01 AUG 2008 CSN 8,892 CSN 8,227	No	SEE NOTES
Description:	Engine - Rolls Royce - AE 3007A1					
Component: Effective Date:	Engine - Rolls Royce - AE 3007A1 01/21/2004	Category:	Engine	Mechanic name:	JAMES M CANADY	ADY
Supersedes:	N/A	Superseded By:	N/A	Authorized Sign.:	James D	11550
Compliance:	Complied with SB AE3007A-A-72-265, replaced the 1st/2nd Stage HPT Spacer.	laced the 1st/2nd Stag	ge HPT Spacer.		0	,
Notes:	REINSPECTION OF THE SPACER S/N TW517824 IS NOT REQUIRED PER P/N INSTALLED.	N517824 IS NOT REC	QUIRED 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					
Component:	Engine - Rolls Royce - AE 3007A1	)	1	Mechanic name:	JAMES M CANADY	ADY O
Effective Date:	03/09/2004	Category:	Engine	Certificate #:	AEOR215N	
Supersedes:	2001-08-15	Superseded By:	N/A	Authorized Sign.:	Janes N	1 Com
Compliance:	N/A to Configuration				<	ţ
Notes:	S/B AE3007A-72-248 WAS FOUND EMBODIDED ON THIS SHOP VISIT. INSPECTION TIME.	MBODIDED ON TH		CRITERIA PER AD IS TERMINATED AT THIS	TERMINATEL	AT THIS
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	o loss of engine oil fron airplane	n the engine accessory gearbox starter	01 AUG 2008 CSN 8,892 CSN 8,227	No	SEE NOTES
Description:	Engine - Rolls Royce - AE 3007A1					
Component: Effective Date:	Engine - Rolls Royce - AE 3007A1 01/02/2008	Category:	Engine	Mechanic name:	JAMES M CANADY	ADY O
Supersedes:	99-02-51	Superseded By:	N/A	Authorized Sign.:	A STATE OF THE PROPERTY OF THE	( Core)
Compliance:	Complied with				C	C
Notes:	SB's 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 accomplicated (Def Table 41 of this AD)	ind AE3007A-72-330 v	were found embodied and/or embodied d	luring this shop visit. Rea	quirements for To	erminating Action
	of this AD have been accomplished (Ref. Table #1 of this AD).	ble #1 of this AD).				

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### **AD Compliance Report**

Engine - Rolls Royce - AE 3007A1

CAE312358

STANDARD AERO (ALLIANCE) INC. WIO # EN702029 03 DEC 2008

Description: PL2008-19-51 AD# Subject Engine - Rolls Royce - AE 3007A1 Cracked high-pressure turbine (HPT) stage 2 wheels Date and Hours at Compliance Recurring Yes/No Yes SEE NOTE Next Due Date/Hours

Compliance: Compliance: NOT complied with

Component: Effective Date:

Upon Receipt

Engine - Rolls Royce - AE 3007A1

Supersedes:

Category: Engine
Superseded By: N/A

Mechanic name: Certificate #: Authorized Sign.:

AEOR215N

Janes M

JAMES M CANADY

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