# **DELIVERY NOTE WP**

**Galaxy**Aerospace \*

# DELIVER TO :

e e

GALAXY AEROSPACE (M) SDN. BHD. CAMO DEPARTMENT Lot 11, MRO Centre, Malaysia International Aerospace Centre, Sultan Abdul Aziz Shah Airport, 47200 Subang, Selangor Malaysia. Attn : Zaty Nadhira binti Mohamed Zuhari DN NUMBER: GAM/DN/23/PTA-079 OUR REFERENCE: 2023-15839 WO REFERENCE: 9M-PTA-15839 DATE COMPLETION: 9 JUNE 2023 AJL NUMBER: 000470

			A/0	DETAIL				
A/C TYPE	B300 (S	KA350)	A/C REG	9N	I-PTA	A/C S/N		FL-587
OWNER / OPERATOR	ROYAL N FOI		A/C TOTAL TIME	654	14:21	LANDINGS		5216
ENGINE #1 S/M	V PCE-P	K0999	T.S.N	520	01:36	T.S.O		÷
ENGINE #2 S/M	PCE-PI	K0971	T.S.N	63	51:11	T.S.O		
LIST OF TASK	PERFORMED	WP			NUMB	ER OF PAGES		
	LII GIIIILO	NUMBER	TWS	*PR	*ARC	*5	*58C	*OTI
PHYSICAL INSPE PROPELLERS MO BOLT, FAA AD N 12, NEW ISSUE (	DUNTING 10. 2005-14-	-001	2	1	-	-		11
		P						
THIS IS TO CERTI	FY THAT TASKS LI	STED ABOVE	HAS BEEN ACCOMP	LISHED AS	PER PO/WORK	ORDER/SERVICE OR	DER NO. AS AE	BOVE.
NAME	NOOR MASDA	RIAH	SIGNATURE		A.	DATE		IE 2023
		VERIF	IED AND ACCEPTI	ED BY		RUL HUSNA BINTI ZA CAMO Planne Galaxy Aerospace (M (1040262-0)	) Sdn Bhd	
			1993   1299   1993   1993   1993   1993   1993   1995   1995   1995   1995   1995   1995   1995   1995   1995	DATE		2 2 JUN	2023	-0
*WS – WORKS *PR – PART RE	PORT		*S – SERVICE *SBC – SERVI F *OTH – OTHI	CE BULLE		NCE		

\*ARC - AUTHORISED RELEASE CERTIFICATE \*OTH - OTHERS



CALAVY AEPOSDACE (M) SON DUD

# WORK ORDER

#### GALAXY AEROSPACE (M) SDN. BHD. [1040262-D]

Suite 11-14, Helicopter Centre, Malaysia International Aerospace Centre, Sultan Abdul Aziz Shah Airport. 47200 Subang, Selangor, Malaysia. Tel: +603 7734 7226 | Fax: +603 7734 7526 www.galaxyaerospace.my | enquiry@galaxyaerospace.my

# 

Address:	Lot 11-14, MRO Centre, Malaysia	Work Order Number:	20	023-15	839
	International Aerospace Centre, SAAS Airport, Subang	Work Pack Reference:	9M-F	PTA-15	839
	Malaysia	Date Issued:	25/05/2023		
	Engineering Manager	A/C Registration / SN:	9M-PTA/FL-587		587
	syafrul@galaxyaerospace.my	Sheet:	1	OF	1

#### **Description:**

To

Item	Description/Task/Inspection	Reference	Man Hours
1	PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT, FAA AD NO. 2005-14-12, NEW ISSUE COMPLIANCE	FAA AD 2005-14-12	2 (PLEASE ADVISE)

#### Remark/Notes:

- 1. State this Work Order reference on your Work Package. Should there is any additional job/defect (unless specified in the work package) the maintenance organization must notify GAM Continuing Airworthiness Manager prior to proceed with rectification.
- 2. Work must be carried out in accordance with approved data and perform by qualified personnel/ approved LAE from the maintenance organization.
- 3. Parts used must be written in Parts Report Form and accompanied by ARC, Serviceable Label or equivalent document.
- 4. Test report, parameter reading or any supporting data must be attached with the worksheet if applicable.
- 5. The maintenance organization shall be responsible for any damages made on the aircraft/ components during maintenance,
- 6. Softcopy of completed Work Package shall be submitted or as mutual agreed and GAM Continuing Airworthiness Manager must be informed once the aircraft is Release to Service.
- 7. Completed Work Package (original) must be submitted to GAM Continuing Airworthiness Manager office within 3 days of date of completion.

I hereby declare that an approved and up to date maintenance data has been referred for the issuance of this work order.

Thank you. Best Regards,

Zaty Nadhira Mohamed Zuhari Continuing Airworthiness Management Manager Email: zaty@galaxyaerospace.my

CLIENT/OW	NER: ROYAL MALAYSIA		SERIAL NO.	HOURS	LDG/C	YCLE	WORKPA	CK NO:	9M-PTA-1	15839
UDODAFT	POLICE TYPE: B300 (SKA350)	AIRCRAFT	FL-587	6544:21	5.	216	WORK/IN	SP/DESC:	AD 2005-	14-12
REGISTRAT		#1 ENGINE:	PCE-PK0999	5201:36		-		T JOB NO.:		
	LITY: WMSA	#2 ENGINE:	PCE-PK0971		200	~:	AJL REF	NO.: OC	5047	D
	16/2023 OUT: 9/6/2023				NG/N1	NF	/ N2 SHEET:		1 OF	1
ACCORDAN	raising: NSPECTION OF PROPELLERS N ICE WITH FAA AD 2005-14-12 DA APPROVED REVISIONS.			OUT IN				uirements/i NOT A	nformation APPLICABLI	
List of s	cheduled inspection and all w including indivio		under this wo	rkpack	DATE	1222-0-0-0 U	Masi	er Signatur	e Schedul	ie
NO.	INSPECTION / WO	RK	WORKSH	EET REF	COMPLE	CO.0227	NAME	SIG	NATURE	APP/STAM
- X <b>H</b> A	YSICAL INSPECTION OF PROPELLER LT, FAA AD NO. 2005-14-12, NEW ISSU		15843-	001	09/06/	2023	MOHD	0	for the	(MO32)
	Galaxy A I hereby certify the follow satisfactory: 1) All the tools and equip removed from aircraft. maintenance access has and materials have been 4) FOD check has been do Sign & Stamp:	ment used for 2) All the acce been reinstalled notified to AMI	een performed maintenance i ss panels rem d. 3) All the	d and found has been oved for excess spor return plan cc/c6/2025						
RT 145 - AMC	RELEASE STATEMENT ANO/2016/	E HAS BEEN INSPE		MPLISHED IN A	CCORDANCE		NAME		AD	ZIN
IS IS TO CER	TED AMO EXPOSITION AND PROCEI						SIGN & APPROVAL	-	To	M032
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IS IS TO CER FH CONTRAC * OEM PUB ] *IF DIFFER	ENT FROM ABOVE. OEM PUBLICATIC						DATE	20	106/2	2002
IS IS TO CER TH CONTRAC * OEM PUB * IF DIFFERI * TICK • \						••••••	DATE		APPROVAL	SCOR DATE



(11-14), Helicopter Centre, Malaysta International Asenaparas Centre, in Abdu Azas Shah Arpost, 47200 Subang, Selangor, Malaysia, 4037 7714 7225 (Fax. +603 7734 7625)



AIRCRAFT REGISTRAT BASE/FACII DATE IN: REF Reason for PHYSICAL ACCORDAT OR LATER Item 1 F M N P M	INSPECTION OF PROPEL NCE WITH FAA AD 2005-14 APPROVED REVISIONS. AA AD NO. 2005-14-12 - P PHYSICAL INSPECTION TO MOUNTING BOLTS PART N	AIRCF #1 EN #2 EN DRKPACK	GINE: PCE-PK0999 GINE: PCE-PK0971 G BOLT TO BE CARRY C		.CK CK	WORKPACK R AJL REF NO.: SHEET: Other requirem		39 RKPACK	
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P M N P	PHYSICAL INSPECTION TO MOUNTING BOLTS PART N	ROPELLERS MC				Technician	* Eng, CRS	Date	
M N P	IOUNTING BOLTS PART N		OUNTING BOLTS						
P IN A R	ART NUMBER B-3339. IOTE: IF THE BOLT HEADS PERFORM THE TORQUE IN SPECTION OF BOLT MAR FFECTED SOURCE CODE FFECTED MANUFACTURI EFERENCE: 1. FAA AD NO 2. HC-ASB-61	NUMBER B-3339. RE OR ANY RELA S CANNOT BE E. NSPECTION BEF RKINGS. E: LFC ING LOT NUMBE D. 2005-14-12 I-279	ATED INFORMATION OF ASILY ACCESSED TO AL ORE REMOVING THE BO R: LOT 12 LOT 56	PROPELLERS MO	UNTING BOLTS PECTION, ISUAL	8138			
c	04/10/2005 A	ND FOU	N PART NUMBER SOURCE CODE MFG			1-2	M032 8	100	
NC	D. ITEM	PROPELLER POSITION (LH/RH)			MFG LOT NUMBER			09 Jo. 2022	
1	D. ITEM MOUNTING BOLTS	POSITION	PART NUMBER B-3339		mfg lot number 106731			2002	
1	MOUNTING BOLTS	POSITION (LH/RH)		SOURCE CODE				2093	
1	MOUNTING BOLTS MOUNTING BOLTS	position (LH/RH) R/H	B-3339	SOURCE CODE	106731			2003	
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1	MOUNTING BOLTS MOUNTING BOLTS MOUNTING BOLTS MOUNTING BOLTS MOUNTING BOLTS	POSITION (LH/RH) R/H R/H R/H	B-3339 B-3339 B-3339	SOURCE CODE GS GS GS	106731 106731 106731			2093	
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GALAAT AEHUSPAGE (M) SUN, BRU, PU40202-DJ 



GAM/C-005 Rev 3 (06/22)

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JENT/0	OWN	ER: ROYAL MALAYSIA		SERIAL NO	HOURS	LDO	A/CYCLE		WORKSHE	ET NO:	15839	-001	
RCRAF	FT TV	POLICE (PE: B300 (SKA350)	AIRCR	AFT FL-587	REFER W	ORKPACK	5		WORK/INS	P/DESC:	AD 20	05-14-1	2
		N: 9M-PTA	#1 EN(	GINE: PCE-PK099	9 REFER W	ORKPACK	ζ		WORKPAC		9M-P1	FA-1583	9
		TY: WMSA	#2 EN0	GINE: PCE-PK097	1 REFER W	ORKPACK	5		AJL REF N	0.:	REFE	R WOR	KPACK
TE IN:	REFER	WORKPACK OUT: REFER WORK	PACK			NG/N	1 NF	/ N2	SHEET:		2 C	0F 2	
	AL INS	aising: SPECTION OF PROPELLEI E WITH FAA AD 2005-14-1 PPROVED REVISIONS.			Y OUT IN	CAMC Za	l by and c ); Nurul Hu inol Abidin 5/05/2023	sna	Other requir		informa APPLICA		
tem				Description					Techniciar	i *	Eng, CF	RS	Date
1	FAA	A AD NO. 2005-14-12 - PRO	PELLERS MO	UNTING BOLTS									
	MO	YSICAL INSPECTION TO B UNTING BOLTS PART NUM	/BER B-3339.					0.0210					
	PAR	TE: TO ATTACH PICTURE ( RT NUMBER B-3339.						TS					
	PER	TE: IF THE BOLT HEADS C RFORM THE TORQUE INSP PECTION OF BOLT MARKI	PECTION BEF				and in the second s						
	AFF	ECTED SOURCE CODE: L	-FC										
	AFF	ECTED MANUFACTURING	LOT NUMBE	R: LOT 12 LOT 56									
	REF	ERENCE: 1. FAA AD NO. 2 2. HC-ASB-61-27											
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	REN	MARKS: PHYSICAL	INSPEC	TION CARE	1ED OU	TAS	PER	11	8138 To		K CATA	ROSAL	og lo
	ALE	ERT SERVICE B	ULLETIN	J HC-ASB	-61-27	9 RE	NIGOR	v4	8138 A	ć	The MO.	Reserver	09 10 2023
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	ALE	ERT SERVICE B TED OCT 4.20	ULLETIN	J HC-ASB	-61-27	9 RE	NIGOR		\$13E	Ċ	Ano.	Cosonce 32	09 10 2023
	ALE DA	ERT SERVICE B TED OCT 4.20	DULETIN DOS AND PROPELLER POSITION	J HC-ASB D FOUND S	- 61-27 ATISPA - sour	9 RE	N1901	NUMBER	\$13E	Ċ	Ano.	ACCOUNTS A	09 10 2003
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GALAXY AEROSPACE (M) SON, BHD. (1040262-D) Solite 1144, Helecopter Centre, Malaysia International Aerospace Centre, Sultan Abdul Avy, Shids Airport, 47201 Subano, Selangor, Malaysia, Tel. 803 7734 7228, Fax: - 803 7734 7228

# PAKIS KEPUKI

CLIENT/OWNER: GALAXY AEROS (M) SDN. BHD.	SPACE		SERIAL NO.	HOURS	LDG/CY	CLE	WORKSHEET NO:	15839-001
AIRCRAFT TYPE: B300 (SKA350)		AIRCRAFT	FL-587		ORKPACK		WORK/INSP/DESC:	
REGISTRATION: 9M-PTA		#1 ENGINE:	PCE-PK0999		ORKPACK		WORKPACK REF:	9M-PTA-15839
BASE/FACILITY: WMSA		#2 ENGINE:	PCE-PK0971	REFER W	ORKPACK		AJL REF NO.:	REFER WORKPACK
DATE IN: REFER WORKPACK OUT: REFER	RWORKPACK				NG / N1	NF / N2	SHEET:	1 OF 1
Reason for raising: PHYSICAL INSPECTION OF PROP ACCORDANCE WITH FAA AD 2009 OR LATER APPROVED REVISION:	5-14-12 DA			OUT IN	Raised by CAMO; Nu Zainol / 25/05/	rul Husna Abidin	Other requirements, NOT	(information: APPLICABLE
Item Part No	Det	scription	Of	Serial Numt	On Qty	Position F	leason Lifed Item Inform TSN/TSO/DUE/TI	
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NAME			FIRM			SIGN & APF	PROVAL	DATE
NOHD ZAINURIN	ر			GAM		đ	AD (14032)	09/06/2023
*Certifies that the work specifi that work the aircraft / aircraft *Certifies that the work specifi and in respect to that work the	compone ied above	nt is considered , except as othe	d ready for rele erwise specifie	ase to serv d, was carri	ice AMO/2016/ ed out in acco	02 ordance with		ements and in respect t
☐ TICK ✓ WHERE APPLICABLE								
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GALAXY AEROSPACE (M) SDN. BHD. [1040262-D] Suite 11-14. Helicopter Centre, Malaysia International Aerospace Centre, Suitan Abdul Azz Shah Armen, 47280 Subarg, Selangar, Mataysia, 161-403 4774 12281 [Saar: 4637 4734 7528 Www.galaxyaomspace.my] encurry/bgnlaxyaerospace.my



Aircraft Serial No:							Volume and Address of the Owner, which the
All crait Serial No.			FL-587	Work Pack No:	9M-F	PTA-15	839
Aircraft Type:		E	3300 (SKA350)	DESC:	AD 2	2005-14	-12
Aircraft Reg:			9M-PTA	PAGE:	1	OF	1
Description	Part No	Serial Number	Worksheet Re Item No.	f No. / Calibra	tion D	ue Dat	e
2			Item No.				

# DEPARTMENT OF TRANSPORTATION

**Federal Aviation Administration** 

14 CFR Part 39

[Docket No. FAA-2005-21735; Directorate Identifier 2005-NE-22-AD; Amendment 39-14189; AD 2005-14-12]

RIN 2120-AA64

Airworthiness Directives; Hartzell Propeller Inc. Models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 Propellers

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule; request for comments.

**SUMMARY:** The FAA is adopting a new airworthiness directive (AD) for Hartzell Propeller Inc. models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 propellers, installed with propeller mounting bolts, part number (P/N) B-3339. This AD requires initial and repetitive visual inspections and torque checks of certain manufacture lot numbers of propeller mounting bolts, P/N B-3339, and eventual removal from service of those bolts. This AD results from the discovery during routine propeller installation that a bolt from a certain manufacture lot did not properly absorb the installation torque. This AD also results from the discovery that other bolts of the same part number from a different manufacture lot had material surface pitting. We are issuing this AD to prevent propeller attaching bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane.

**DATES:** This AD becomes effective July 29, 2005. The Director of the Federal Register approved the incorporation by reference of certain publications listed in the regulations as of July 29, 2005.

We must receive any comments on this AD by September 12, 2005.

ADDRESSES: Use one of the following addresses to comment on this AD:

• DOT Docket Web site: Go to *http://dms.dot.gov* and follow the instructions for sending your comments electronically.

• Government-wide rulemaking Web site: Go to *http://www.regulations.gov* and follow the instructions for sending your comments electronically.

• Mail: Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-0001.

• Fax: (202) 493-2251.

• Hand Delivery: Room PL-401 on the plaza level of the Nassif Building, 400 Seventh Street,

SW., Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. Contact Hartzell Propeller Inc. Technical Publications Department, One Propeller Place, Piqua,

OH 45356; telephone (937) 778-4200; fax (937) 778-4391, for the service information referenced in this AD.

**FOR FURTHER INFORMATION CONTACT:** Tim Smyth, Aerospace Engineer, Chicago Aircraft Certification Office, FAA, Small Airplane Directorate, 2300 East Devon Avenue, Des Plaines, IL 60018; telephone: (847) 294-7132; fax: (847) 294-7834.

**SUPPLEMENTARY INFORMATION:** Hartzell Propeller Inc. has informed us that recently during routine installation of a steel hub propeller, one of the propeller mounting bolts, P/N B-3339, did not properly absorb the installation torque. The suspect bolt was removed and examined. Hartzell Propeller Inc., found that the bolt does not have the proper material hardness as specified by the propeller type design requirements. That bolt was identified as part of LFC Manufacturing Lot No. 56. Hartzell Propeller Inc., examined their inventory of bolts and found two other Lot No. 56 bolts also below proper material hardness. During this investigation, Hartzell Propeller Inc. also discovered a quantity of bolts, P/N B-3339, from LFC Manufacturing Lot No. 12, with material surface pitting underneath the anti-corrosion coating. These pitted bolts also do not meet the propeller type design requirements. This condition, if not corrected, could result in propeller mounting bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane.

# **Relevant Service Information**

We have reviewed and approved the technical contents of Hartzell Propeller Inc. Alert Service Bulletin (ASB) No. HC-ASB-61-279, Revision 2, dated May 6, 2005, that describes procedures to visually inspect, torque check, and replace the affected bolts.

# FAA's Determination and Requirements of This AD

The unsafe condition described previously is likely to exist or develop on other Hartzell Propeller Inc. models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 propellers of the same type design, installed with propeller mounting bolts, P/N B-3339. For that reason, we are issuing this AD to prevent propeller mounting bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane. This AD requires:

• Initial visual inspection and torque check of all eight mounting flange bolts when P/N B-3339 bolts from LFC manufacturing Lot No. 12 or Lot No. 56 are present, within 50 hours time-in-service (TIS) or 12 months after the effective date of the AD, whichever occurs first; and

• Thereafter, for all airplanes except Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 120 hours TIS since-last-inspection; and

• Thereafter, for Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 100 hours TIS since-last-inspection; and

• If any bolt fails the torque check, replacement of all eight bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAA-approved equivalent part number bolts.

• As mandatory terminating action to the repetitive visual inspections and torque checks required by this AD, replacement of all P/N B-3339, LFC Manufacturing Lot No. 12 and Lot No. 56 bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAAapproved equivalent part number bolts, within 12 months after the effective date of this AD.

You must use the service information described previously to perform the visual inspections, torque checks, and bolt replacements required by this AD.

# FAA's Determination of the Effective Date

Since an unsafe condition exists that requires the immediate adoption of this AD, we have found that notice and opportunity for public comment before issuing this AD are impracticable, and that good cause exists for making this amendment effective in less than 30 days.

#### **Comments Invited**

This AD is a final rule that involves requirements affecting flight safety and was not preceded by notice and an opportunity for public comment; however, we invite you to send us any written relevant data, views, or arguments regarding this AD. Send your comments to an address listed under ADDRESSES. Include "AD Docket No. FAA-2005-21735; Directorate Identifier 2005-NE-22-AD" in the subject line of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of the rule that might suggest a need to modify it.

We will post all comments we receive, without change, to *http://dms.dot.gov*, including any personal information you provide. We will also post a report summarizing each substantive verbal contact with FAA personnel concerning this AD. Using the search function of the Docket Management System (DMS) Web site, anyone can find and read the comments in any of our dockets, including the name of the individual who sent the comment (or signed the comment on behalf of an association, business, labor union, etc.). You may review the DOT's complete Privacy Act Statement in the Federal Register published on April 11, 2000 (65 FR 19477-78) or you may visit *http://dms.dot.gov*.

#### **Examining the AD Docket**

You may examine the docket that contains the AD, any comments received, and any final disposition in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The Docket Management Facility (telephone (800) 647-5227) is located on the plaza level of the Department of Transportation Nassif Building at the street address stated in ADDRESSES. Comments will be available in the AD docket shortly after the facility receives them.

### Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, Section 106, describes the authority of the FAA Administrator. Subtitle VII, Aviation Programs, describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701, "General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

# **Regulatory Findings**

We have determined that this AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national Government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that the regulation:

1. Is not a "significant regulatory action" under Executive Order 12866;

2. Is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and

3. Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

We prepared a summary of the costs to comply with this AD and placed it in the AD Docket. You may get a copy of this summary at the address listed under ADDRESSES.

# List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

# Adoption of the Amendment

Under the authority delegated to me by the Administrator, the Federal Aviation Administration amends part 39 of the Federal Aviation Regulations (14 CFR part 39) as follows:

# **PART 39-AIRWORTHINESS DIRECTIVES**

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

# § 39.13 [Amended]

2. The FAA amends § 39.13 by adding the following new airworthiness directive:

# **AIRWORTHINESS DIRECTIVE**



U.S. Department of Transportation Federal Aviation Administration

# Aircraft Certification Service Washington, DC

We post ADs on the internet at "www.faa.gov"

The following Airworthiness Directive issued by the Federal Avlation Administration in accordance with the provisions of Title 14 of the Code of Federal Regulations (14 CFR) part 39, applies to an aircraft model of which our records indicate you may be the registered owner. Airworthiness Directives affect avlation safety and are regulations which require immediate attention. You are cautioned that no person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of the Airworthiness Directive (reference 14 CFR part 39, subpart 39.3).

**2005-14-12 Hartzell Propeller Inc.:** Amendment 39-14189. Docket No. FAA-2005-21735; Directorate Identifier 2005-NE-22-AD.

# **Effective Date**

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(a) This airworthiness directive (AD) becomes effective July 29, 2005.

# **Affected ADs**

(b) None.

# Applicability

(c) This AD applies to Hartzell Propeller Inc. models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 propellers installed with propeller mounting bolts, part number (P/N) B-3339. These propellers are installed on, but not limited to, the airplanes listed in the following Table 1:

# TABLE 1.—AIRPLANES THAT PROPELLERS ARE INSTALLED ON, BUT NOT LIMITED TO

10
ADVANCED AERO & STRUCTURES, INC. 450.
AEROCOMMANDER:
680T, 680V, 681, 690, 690A, 690B, 690C, 695, 695A.
AEROSPATIALE (SOCATA):
TB-31 (Non U.S. type certificated (TC'd) product).
AIR TRACTOR:
AT-300, AT-301, AT-302, AT-400, AT-401, AT-402, AT-402A, AT-402B, AT-501, AT-502,
AT-502A, AT-502B, AT-503, AT-503A, AT-602, AT-802.
AMERICAN AVIATION (GRUMMAN):
G-164, G-164B, G-164B-15T, G-164B-34T, G-164D.
AYRES:
S-2R, S-2R-R1340, S-2R-R3S, S-2R-G1, S-2R-G5, S-2R-G6, S-2R-G10, S-2R-T6, S-2R-
T11, S-2R-T15, S-2R-T34, S-2R-T-45, S-2R-T65, S-2RHG-T65.
BAE 137.
BEECH (Raytheon):
(D, E)18 (C, S), (T, C)45(G, H, J), and E18S-9700 (with turbine conversions), 100, A100, A100A,
B100, 1900C, 200(T), 200C(T), B200(T), B200C(T), 300, 300LW, B300, 65-90, -A90, -A90-1, -
A90-2, -A90-4, B90, C90, C90A, E90, F90, H90, 99, 99A, A99, A99A, B99, C99, A36 and
A36TC (with turbine conversions), 34C, T34C, T34C–1.

CASA:

C-212-CB, C-212-CC, C-212-CF-CF.

CESSNA:

208, 208A, 208B, 402, 421B, 421C, 425, 441, P210N (with turbine conversions).

DE HAVILLAND DH114.

DE HAVILLAND CANADA:

DHC-2, DHC-2 MKIII, DHC-3, DH6-1, DHC-6-100, DHC-6-200, DHC-6-300.

DORNIER:

128–6, DO228–100, -101, -200, -201, -202, -212.

DOUGLAS DC-3C (with turbine conversions).

EMBRAER:

EMB-110-P1, -P2, EMB-111, EMB-121A1, EMB-312 (Non U.S. TC'd product).

ENAER T-35-TX (Non U.S. TC'd product).

FAIRCHILD AIRCRAFT:

SA226–AT, –T, –TB, –TC.

FAIRCHILD-HILLER (PILATUS) AU-23 (Non U.S. TC'd product).

FLUG & FAHRZEUGWERKE AG AS202/32TP (Non U.S. TC'd product).

FUJI KM-2D (T-5) (Non U.S. TC'd product).

GRUMMAN S-2 (with turbine conversions).

GRUMMAN (GULFSTREAM AERO) G73 (with turbine conversions).

GRUMMAN (MCKINNON) G21E, G (with turbine conversions).

HAFEI AVIATION INDUSTRY CO.

Y12, Y12IV (Non U.S. TC'd product).

HELIO:

HST–550, –550A.

ICA (ROMANIA) IAR-825TP (Non U.S. TC'd product).

ISRAEL AIRCRAFT INDUSTRIES:

101, 101B.

KOREAN AEROSPACE INDUSTRIES KTX-IT (Non U.S. TC'd product).

MAULE:

M-7-420, MX (T)-7-420.

MITSUBISHI:

MU–2B, MU–2B–10, –15, –20, –25, –26, –30, –35, –36, –40, –60, MU–2B–25A, –26A, –35A, –36A.

NORD 262 (FRAKES), and (NORD) Model 262(A) modified by Supplemental Type Certificate

(STC) SA2369SW.

NORMAN AEROPLANE:

NA 6, NAC 6-65 (Non U.S. TC'd product).

POLISH AVIATION (MIELEC):

M-28, M-28B.

PACIFIC AEROSPACE FU24(A)-950/-954.

PACIFIC AEROSPACE (FLETCHER):

FU-24 CRESCO 08-600, FU-24 CRESCO 08-750XL.

PIAGGIO P-166 DL3.

PILATUS:

PC-6/A-H2, PC-6/B-H2, PC-6/B1-H2, PC-6/B2-H2, PC-6/B2-H4, PC-6/C-H2, PC-6/C1-H2, PC-7.

PIPER:

PA-31P, PA-31T, PA-31T1, PA-31T2, PA-31T3, PA-42, PA-42-720, PA-42-720R.

(j) Perform the actions specified in paragraphs (f), (g), (h), and (i) of this AD, using paragraphs 3.A through 3.B.(5) of the Accomplishment Instructions of Hartzell Propeller Inc. ASB No. HC-ASB-61-279, Revision 2, dated May 6, 2005.

# **Mandatory Terminating Action**

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(k) As mandatory terminating action to the repetitive visual inspections and torque checks required by this AD, replace all P/N B-3339, LFC Manufacturing Lot No. 12 and Lot No. 56 bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAA-approved equivalent part number bolts, within 12 months after the effective date of this AD. Use paragraph 3.C of Accomplishment Instructions of Hartzell Propeller Inc. ASB No. HC-ASB-61-279, Revision 2, dated May 6, 2005, to do the bolt replacement.

### **Alternative Methods of Compliance**

(1) The Manager, Chicago Aircraft Certification Office, has the authority to approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

### **Related Information**

(m) AD 2004-21-01, Amendment 39-13822 (69 FR 60952) also pertains to the subject of this AD.

# **Material Incorporated by Reference**

(n) You must use Hartzell Propeller Inc. Alert Service Bulletin No. HC-ASB-61-279, and Alert Service Bulletin Appendix No. HC-ASBA-61-279, Revision 2, dated May 6, 2005, to perform the initial and repetitive visual inspections, torque checks, and bolt replacements required by this AD. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Hartzell Propeller Inc. Technical Publications Department, One Propeller Place, Piqua, OH 45356; telephone (937) 778-4200; fax (937) 778-4391, for a copy of this service information.

You may review copies at the Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-0001, on the internet at http://dms.dot.gov, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: *http://www.archives.gov/federal\_register/code\_of\_federal\_regulations/ibr\_locations.html*.

Issued in Burlington, Massachusetts, on July 6, 2005. Francis A. Favara, Acting Manager, Engine and Propeller Directorate, Aircraft Certification Service. [FR Doc. 05-13733 Filed 7-13-05; 8:45 am] BILLING CODE 4910-13-P

PROP JETS	S INC. 400 (Non U.S. TC'd product).
PZL MIEL	EC:
M18, M1	18A, M18B, M27, PZL–106BT, PZL–130TE.
ROCKWEI	LL OV-10.
SCHWEIZ	ER (GRUMMAN) G-164, G-164A and G-164B (with turbine conversions).
SHORT BE	ROTHERS:
SC7 SER	RIES 3, SD3–30 VARIANT 200, SD3–SHERPA VARIANT 200, SD3–60 VARIANT 200
SD3-60	SHERPA VARIANT 200.
SIAI MAR	CHETTI (AERMACCHI):
F.260C, 1	F.260D, SM–1019, SF600 CANGURO.
VALMET I	L–90TP (Non U.S. TC'd product).
VULCANA	AIR (PARTENAVIA):
AP68TP-	–300, AP68TP–600.
WALLARC	DO 605 (Non U.S. TC'd product).
WEATHER	RLY 620TP.

# **Unsafe Condition**

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(d) This AD results from the discovery during routine propeller installation that a bolt from a certain manufacture lot did not properly absorb the installation torque. This AD also results from the discovery that other bolts of the same part number from a different certain manufacture lot had material surface pitting. We are issuing this AD to prevent propeller mounting bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane.

# Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified unless the actions have already been done.

# **Visual Inspections and Torque Checks**

(f) Perform initial visual inspection and torque check of all eight mounting flange bolts when P/N B-3339 bolts from LFC manufacturing Lot No. 12 or Lot No. 56 are present, within 50 hours time-in-service (TIS) or 12 months after the effective date of the AD, whichever occurs first. For the location of bolt identification marks, see Figure 1 of Hartzell Propeller Inc. Alert Service Bulletin (ASB) No. HC-ASB-61-279, Revision 2, dated May 6, 2005.

(g) Thereafter, for all airplanes except Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, perform repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 120 hours TIS since-last-inspection.

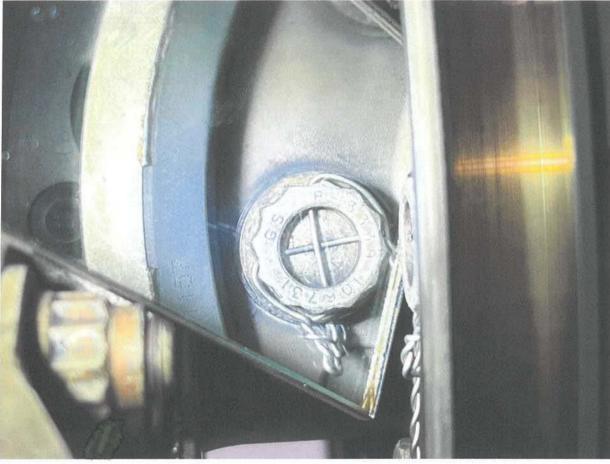
(h) Thereafter, for Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, perform repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 100 hours TIS since-last-inspection.

(i) If any bolt fails the torque check, replace all eight bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAA-approved equivalent part number bolts.



PTA L/H





PTA R/H







**DELIVER TO:** 

GALAXY AEROSPACE (M) SDN. BHD. CAMO DEPARTMENT Lot 11, MRO Centre, Malaysia International Aerospace Centre, Sultan Abdul Aziz Shah Airport, 47200 Subang, Selangor Malaysia. Attn : Zaty Nadhira binti Mohamed Zuhari DN NUMBER: GAM/DN/23/PTB-103 OUR REFERENCE: 2023-15840 WO REFERENCE: 9M-PTB-15840 DATE COMPLETION: 9 SEPTEMBER 2023 AJL NUMBER: 001335

			A/0	DETAILS				
A/C TYPE	B300 (	SKA350)	A/C REG	9M-	-РТВ	A/C S/N		FL-593
OWNER / OPERATOR		VIALAYSIA DRCE	A/C TOTAL TIME	598	6:35	LANDINGS		4524
ENGINE #1 S/I	N PCE-I	PK1183	T.S.N	312	3:30	T.S.O		÷
ENGINE #2 S/I	N PCE-I	РК0970	T.S.N	601	5:51	T.S.O		-
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				DATE		2 <sup>(1040262-D)</sup>	2023	
*WS – WORK *PR – PART R *ARC – AUTH		SE CERTIFICA	*S – SERVICE *SBC – SERVI TE *OTH – OTH	CE BULLET		ANCE		



GALAXY AEROSPACE (M) SDN. BHD. [1040262-D]

Suite 11-14, Helicopter Centre, Malaysia International Aerospace Centre, Sultan Abdul Aziz Shah Airport, 47200 Subang, Selangor, Malaysia. Tel: +603 7734 7226 | Fax: +603 7734 7526 www.galaxyaerospace.my | enquiry@galaxyaerospace.my

# WORK ORDER



To: GALA	XY AEROSPACE (M) SDN. BHD.		
Address:	Lot 11-14, MRO Centre, Malaysia	Work Order Number:	2023-15840
	International Aerospace Centre, SAAS Airport, Subang	Work Pack Reference:	9M-PTB-15840
	Subang Malaysia ntion: Mr. Syafrul Yamani	Date Issued:	25/05/2023
Attention:	Engineering Manager	A/C Registration / SN:	9M-PTB-15840
	syafrul@galaxyaerospace.my	Sheet:	1 OF 1

#### **Description:**

Item	Description/Task/Inspection	Reference	Man Hours
Ĩ	PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT, FAA AD NO. 2005-14-12, NEW ISSUE COMPLIANCE	FAA AD 2005-14-12	(PLEASE ADVISE)

#### Remark/Notes:

1. State this Work Order reference on your Work Package. Should there is any additional job/defect (unless specified in the work package) the maintenance organization must notify GAM Continuing Airworthiness Manager prior to proceed with rectification.

2. Work must be carried out in accordance with approved data and perform by qualified personnel/ approved LAE from the maintenance organization.

3. Parts used must be written in Parts Report Form and accompanied by ARC, Serviceable Label or equivalent document.

4. Test report, parameter reading or any supporting data must be attached with the worksheet if applicable.

5. The maintenance organization shall be responsible for any damages made on the aircraft/ components during maintenance.

6. Softcopy of completed Work Package shall be submitted or as mutual agreed and GAM Continuing Airworthiness Manager must be informed once the aircraft is Release to Service.

7. Completed Work Package (original) must be submitted to GAM Continuing Airworthiness Manager office within 3 days of date of completion.

I hereby declare that an approved and up to date maintenance data has been referred for the issuance of this work order.

Thank you. Best Regards,

Zaty Nadhira Mohamed Zuhari Continuing Airworthiness Management Manager Email: zaty@galaxyaerospace.my

	axyAerospace	Suite 11-14, Suitan Abdu Tel: +603 77	ROSPACE (M) SDN. Helicopter Centre, N Aziz Shah Airport, 4 34 7226   Fax: +603 aerospace my   enqu	Malaysia Internatio 7200 Subang, Se 7734 7526	inal Aerospace Cr langor, Malaysia.	intre,			WOR	KPAC
	WWNER: ROYAL MALAYSIA	www.haury	SERIAL NO.	HOURS	LDG/C	YCLE		WORKPACK		
	POLICE B200 (SKA250)	AIRCRAFT	FL-593	5986:35	46	524		WORK/INSP/E	DESC: AD 2005-	14-12
	AFT TYPE: B300 (SKA350) TRATION: 9M-PTB	#1 ENGINE:	PCE-PK1183	3123:30	-	-		AERONET JOI	B NO.: 2023-158	40
	FACILITY: WMSA	#2 ENGINE:	PCE-PK0970		_	~		AJL REF NO.:	001335	
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GALAXY AEROSPACE (M) SDN. BHD. [1040262-D] Suite 11-16, Helicopton Gentre, Matayala International Aerospace Gentre, Suitan Afdul Azz, Shah Airport, 4/200 Subarg, Selangor, Malayaia, Tel; +603 7/34 7226 | Pax: +603 7734 7526 www.gataxyaerospace.mv | engurg/#gataxyaerospace.mv



		ER: ROYAL MALAYSIA POLICE	AIRCRA	SERIAL NO. FT FL-593	HOURS		A/CYCLE	WORKSHEET WORK/INSP/D	10040-001	-12
		PE: B300 (SKA350) N- 9M-PTB	#1 ENGI		REFER W	ORKPACK	5	WORKPACK F	EF: 9M-PTB-15	840
REGISTE		TY: WMSA	#2 ENGI		REFER W			AJL REF NO.:	REFER WO	RKPACK
		WORKPACK OUT: REFER WORK				NG/N		SHEET:	1 OF	2
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1	FAA	A AD NO. 2005-14-12 - PRC	PELLERS MOU							
	МО	YSICAL INSPECTION TO B UNTING BOLTS PART NUI TE: TO ATTACH PICTURE	MBER B-3339.							
	PAF	RT NUMBER B-3339.								
	PEF	RFORM THE TORQUE INSI PECTION OF BOLT MARK	PECTION BEFO							
	AFF	FECTED SOURCE CODE:	LFC							
	AFF	FECTED MANUFACTURING	G LOT NUMBER	LOT 12 LOT 56						
		ERENCE: 1. FAA AD NO. : 2. HC-ASB-61-2 MARKS: PROPELLE	79	ENUNO NO	T EDF	Erry		21		
		THE SOURCE						835	Correction (2)	09/69/ 2023
	NO.	ITEM	PROPELLER POSITION (LH/RH)	PART NUMBER	SOUR	CE CODE	MFG LOT NUMBER		CONTRACT OF	2023
	1	MOUNTING BOLTS	UH	B-3339	M	SA	501			
	2	MOUNTING BOLTS	YA	B-3339	M	SA	501			
	3	MOUNTING BOLTS	山小	B. 3339	m	SA	501			
	4	MOUNTING BOLTS	44	13-3329	M	sV	501			
	5	MOUNTING BOLTS	4/1-1	B-3339	m	SA	501			
	6	MOUNTING BOLTS	MA	13-2739	M	SA	501			
	7	MOUNTING BOLTS	L/H	R-3339	m.	42	501			
	8	MOUNTING BOLTS	44	B - 3339	m	A	501			
	here and the second									
		hat the work specified abov / aircraft component is cor					e with CAA Malay	ysia Requirements	and in respect to the	at work
	fies tl	hat the work specified abov ect to that work the aircrafi	e, except as othe	erwise specified, was ca	arried out in	accordanc				
тіск≠	WHE	RE APPLICABLE								
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	WNE	R: ROYAL MALAYSIA		SERIAL NO.	HOURS L	DG/CYCLE	WORKSHEET I	NO: 15840-001	
		POLICE	AIRCRAF	FL-593	REFER WORKPA	CK	WORK/INSP/D	ESC: AD 2005-14	-12
CRAF	ATION	<sub>Е:</sub> В300 (SKA350) ↓: 9М-РТВ	#1 ENGIN	E: PCE-PK1183	REFER WORKPA	CK	WORKPACK R	EF: 9M-PTB-15	840
		WMSA	#2 ENGIN	E: PCE-PK0970	REFER WORKPA	CK	AJL REF NO.:	REFER WO	RKPACK
E IN: F	REFER V	VORKPACK OUT: REFER WOR	KPACK		NG	'N1 NF / N2	SHEET:	2 OF	2
CORD	L INS ANCE	sing: PECTION OF PROPELLI WITH FAA AD 2005-14- PROVED REVISIONS.			owners were and a state of the second	ed by and date: MO; Nurul Husna Zainol Abidin 25/05/2023		ents/information: NOT APPLICABLE	
em			D	escription			Technician	* Eng. CRS	Date
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		SICAL INSPECTION TO INTING BOLTS PART NU		TO VERIFY IF AIRCI	RAFT IS FITTED WI	TH PROPELLERS			
		E: TO ATTACH PICTURE I NUMBER B-3339.	E OR ANY RELATE	D INFORMATION OF	PROPELLERS MO	UNTING BOLTS		5	
	PERI	E: IF THE BOLT HEADS FORM THE TORQUE INS ECTION OF BOLT MARK	SPECTION BEFOR						
	AFFE	ECTED SOURCE CODE:	LFC						
	AFFE	CTED MANUFACTURIN		.OT 12 .OT 56					
	REF	ERENCE: 1. FAA AD NO. 2. HC-ASB-61-	279						
							008		
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	NO.	TO THE SOUT	PROPELLER POSITION (LH/RH)	PART NUMBER	5 HUMBER	E MFG LOT NUMBER	S.SS	Course of the second se	97/69 2029
	NO. 9	ITEM MOUNTING BOLTS	PROPELLER POSITION (LH/RH) RA)	PART NUMBER B-3839	SOURCE COD	E MFG LOT NUMBER	SJ 58	(Contraction)	97/65 2025
	NO. 9 10	ITEM MOUNTING BOLTS MOUNTING BOLTS	PROPELLER POSITION (LH/RH) RA) IYA	PART NUMBER B-3839 B-3339	SOURCE COD MSA MJA	E MFG LOT NUMBER	S.S.S.	Course of the second se	97/69 2020
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GALAXY AEROSPACE (M) SDN. BHD. [1040262-D] Suite 11-14, Helicopter Centre, Matayala International Aerospace Centre, Saltan Abdul Azw Shah Arport, 47200 Sobana, Selangor, Malayala, Tet. +803 7734 7281 [Fax: -803 7734 7536 www.gataxyaerospace.my | enguiry@gataxyaerospace.my



AIRCRAFT				CLE	WORKSHEET NO: WORK/INSP/DESC:		
#1 ENGINE:	Int & Gill & Inc.		RKPACK		WORKPACK REF:	9M-PTB-15840	
#2 ENGINE:	The LITCHTAL.				AJL REF NO.:	REFER WORKPACK	
VOFIKPACK			NG / N1	NF / N2		1 OF 1	
				ırul Husna Abidin	Other requirements/information: NOT APPLICABLE		
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GalaxyAerospace \*

GALAXY AEROSPACE (M) SDN. BHD. [1040262-D] Suite 11-14, Helicoptic Centre, Malaysia International Aerospace Ce Sultan Abdul Aziz Shah Airport, 47200 Subang, Selangor, Malaysia, Tel; +663-7734-7226 [ Fax: +603-7734-7526]



Description	Part No	Serial Number	Worksheet Re Item No.	ef No. / C	alibratio	on Dı	le Dat	e
Aircraft Reg:			9M-PTB	PAGE:		1	OF	1
Aircraft Type:		I	3300 (SKA350)	DESC:	ì	AD 20	005-14	-12
Aircraft Serial No:			FL-593	Work Pacl	k No:	9M-P	TB-15	840

[Federal Register: July 14, 2005 (Volume 70, Number 134)] [Rules and Regulations] [Page 40656-40660] From the Federal Register Online via GPO Access [wais.access.gpo.gov] [DOCID:fr14jy05-3]

# DEPARTMENT OF TRANSPORTATION

**Federal Aviation Administration** 

14 CFR Part 39

[Docket No. FAA-2005-21735; Directorate Identifier 2005-NE-22-AD; Amendment 39-14189; AD 2005-14-12]

**RIN 2120-AA64** 

Airworthiness Directives; Hartzell Propeller Inc. Models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 Propellers

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule; request for comments.

**SUMMARY:** The FAA is adopting a new airworthiness directive (AD) for Hartzell Propeller Inc. models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 propellers, installed with propeller mounting bolts, part number (P/N) B-3339. This AD requires initial and repetitive visual inspections and torque checks of certain manufacture lot numbers of propeller mounting bolts, P/N B-3339, and eventual removal from service of those bolts. This AD results from the discovery during routine propeller installation that a bolt from a certain manufacture lot did not properly absorb the installation torque. This AD also results from the discovery that other bolts of the same part number from a different manufacture lot had material surface pitting. We are issuing this AD to prevent propeller attaching bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane.

**DATES:** This AD becomes effective July 29, 2005. The Director of the Federal Register approved the incorporation by reference of certain publications listed in the regulations as of July 29, 2005.

We must receive any comments on this AD by September 12, 2005.

ADDRESSES: Use one of the following addresses to comment on this AD:

• DOT Docket Web site: Go to *http://dms.dot.gov* and follow the instructions for sending your comments electronically.

• Government-wide rulemaking Web site: Go to *http://www.regulations.gov* and follow the instructions for sending your comments electronically.

• Mail: Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-0001.

• Fax: (202) 493-2251.

• Hand Delivery: Room PL-401 on the plaza level of the Nassif Building, 400 Seventh Street, SW., Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

Contact Hartzell Propeller Inc. Technical Publications Department, One Propeller Place, Piqua, OH 45356; telephone (937) 778-4200; fax (937) 778-4391, for the service information referenced in this AD.

**FOR FURTHER INFORMATION CONTACT:** Tim Smyth, Aerospace Engineer, Chicago Aircraft Certification Office, FAA, Small Airplane Directorate, 2300 East Devon Avenue, Des Plaines, IL 60018; telephone: (847) 294-7132; fax: (847) 294-7834.

**SUPPLEMENTARY INFORMATION:** Hartzell Propeller Inc. has informed us that recently during routine installation of a steel hub propeller, one of the propeller mounting bolts, P/N B-3339, did not properly absorb the installation torque. The suspect bolt was removed and examined. Hartzell Propeller Inc., found that the bolt does not have the proper material hardness as specified by the propeller type design requirements. That bolt was identified as part of LFC Manufacturing Lot No. 56. Hartzell Propeller Inc., examined their inventory of bolts and found two other Lot No. 56 bolts also below proper material hardness. During this investigation, Hartzell Propeller Inc. also discovered a quantity of bolts, P/N B-3339, from LFC Manufacturing Lot No. 12, with material surface pitting underneath the anti-corrosion coating. These pitted bolts also do not meet the propeller type design requirements. This condition, if not corrected, could result in propeller mounting bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane.

# **Relevant Service Information**

We have reviewed and approved the technical contents of Hartzell Propeller Inc. Alert Service Bulletin (ASB) No. HC-ASB-61-279, Revision 2, dated May 6, 2005, that describes procedures to visually inspect, torque check, and replace the affected bolts.

## FAA's Determination and Requirements of This AD

The unsafe condition described previously is likely to exist or develop on other Hartzell Propeller Inc. models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 propellers of the same type design, installed with propeller mounting bolts, P/N B-3339. For that reason, we are issuing this AD to prevent propeller mounting bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane. This AD requires:

• Initial visual inspection and torque check of all eight mounting flange bolts when P/N B-3339 bolts from LFC manufacturing Lot No. 12 or Lot No. 56 are present, within 50 hours time-in-service (TIS) or 12 months after the effective date of the AD, whichever occurs first; and

• Thereafter, for all airplanes except Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 120 hours TIS since-last-inspection; and

• Thereafter, for Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 100 hours TIS since-last-inspection; and

• If any bolt fails the torque check, replacement of all eight bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAA-approved equivalent part number bolts.

• As mandatory terminating action to the repetitive visual inspections and torque checks required by this AD, replacement of all P/N B-3339, LFC Manufacturing Lot No. 12 and Lot No. 56 bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAAapproved equivalent part number bolts, within 12 months after the effective date of this AD.

You must use the service information described previously to perform the visual inspections, torque checks, and bolt replacements required by this AD.

### FAA's Determination of the Effective Date

Since an unsafe condition exists that requires the immediate adoption of this AD, we have found that notice and opportunity for public comment before issuing this AD are impracticable, and that good cause exists for making this amendment effective in less than 30 days.

### **Comments Invited**

This AD is a final rule that involves requirements affecting flight safety and was not preceded by notice and an opportunity for public comment; however, we invite you to send us any written relevant data, views, or arguments regarding this AD. Send your comments to an address listed under ADDRESSES. Include "AD Docket No. FAA-2005-21735; Directorate Identifier 2005-NE-22-AD" in the subject line of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of the rule that might suggest a need to modify it.

We will post all comments we receive, without change, to *http://dms.dot.gov*, including any personal information you provide. We will also post a report summarizing each substantive verbal contact with FAA personnel concerning this AD. Using the search function of the Docket Management System (DMS) Web site, anyone can find and read the comments in any of our dockets, including the name of the individual who sent the comment (or signed the comment on behalf of an association, business, labor union, etc.). You may review the DOT's complete Privacy Act Statement in the Federal Register published on April 11, 2000 (65 FR 19477-78) or you may visit *http://dms.dot.gov*.

### **Examining the AD Docket**

You may examine the docket that contains the AD, any comments received, and any final disposition in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The Docket Management Facility (telephone (800) 647-5227) is located on the plaza level of the Department of Transportation Nassif Building at the street address stated in ADDRESSES. Comments will be available in the AD docket shortly after the facility receives them.

#### Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, Section 106, describes the authority of the FAA Administrator. Subtitle VII, Aviation Programs, describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701, "General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

# **Regulatory Findings**

We have determined that this AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national Government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that the regulation:

1. Is not a "significant regulatory action" under Executive Order 12866;

2. Is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and

3. Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

We prepared a summary of the costs to comply with this AD and placed it in the AD Docket. You may get a copy of this summary at the address listed under ADDRESSES.

# List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

# Adoption of the Amendment

Under the authority delegated to me by the Administrator, the Federal Aviation Administration amends part 39 of the Federal Aviation Regulations (14 CFR part 39) as follows:

# **PART 39–AIRWORTHINESS DIRECTIVES**

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

# § 39.13 [Amended]

2. The FAA amends § 39.13 by adding the following new airworthiness directive:

# **AIRWORTHINESS DIRECTIVE**



U.S. Department of Transportation

Federal Aviation Administration

Aircraft Certification Service Washington, DC

We post ADs on the internet at "www.faa.gov"

The following Airworthiness Directive issued by the Federal Aviation Administration in accordance with the provisions of Title 14 of the Code of Federal Regulations (14 CFR) part 39, applies to an aircraft model of which our records indicate you may be the registered owner. Airworthiness Directives affect aviation safety and are regulations which require immediate attention. You are cautioned that no person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of the Airworthiness Directive (reference 14 CFR part 39, subpart 39.3).

2005-14-12 Hartzell Propeller Inc.: Amendment 39-14189. Docket No. FAA-2005-21735; Directorate Identifier 2005-NE-22-AD.

# **Effective Date**

(a) This airworthiness directive (AD) becomes effective July 29, 2005.

# **Affected ADs**

(b) None.

# Applicability

(c) This AD applies to Hartzell Propeller Inc. models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 propellers installed with propeller mounting bolts, part number (P/N) B-3339. These propellers are installed on, but not limited to, the airplanes listed in the following Table 1:

# TABLE 1.—AIRPLANES THAT PROPELLERS ARE INSTALLED ON, BUT NOT LIMITED TO

ADVANCED AERO & STRUCTURES, INC. 450.
AEROCOMMANDER:
680T, 680V, 681, 690, 690A, 690B, 690C, 695, 695A.
AEROSPATIALE (SOCATA):
TB-31 (Non U.S. type certificated (TC'd) product).
AIR TRACTOR:
AT-300, AT-301, AT-302, AT-400, AT-401, AT-402, AT-402A, AT-402B, AT-501, AT-502,
AT-502A, AT-502B, AT-503, AT-503A, AT-602, AT-802.
AMERICAN AVIATION (GRUMMAN):
G-164, G-164B, G-164B-15T, G-164B-34T, G-164D.
AYRES:
S-2R, S-2R-R1340, S-2R-R3S, S-2R-G1, S-2R-G5, S-2R-G6, S-2R-G10, S-2R-T6, S-2R-
T11, S-2R-T15, S-2R-T34, S-2R-T-45, S-2R-T65, S-2RHG-T65.
BAE 137.
BEECH (Raytheon):
(D, E)18 (C, S), (T, C)45(G, H, J), and E18S-9700 (with turbine conversions), 100, A100, A100A,
B100, 1900C, 200(T), 200C(T), B200(T), B200C(T), 300, 300LW, B300, 65-90, -A90, -A90-1, -
A90–2, –A90–4, B90, C90, C90A, E90, F90, H90, 99, 99A, A99, A99A, B99, C99, A36 and
A36TC (with turbine conversions), 34C, T34C, T34C–1.

C	ASA:
	C-212-CB, C-212-CC, C-212-CF-CF.
-	ESSNA:
	208, 208A, 208B, 402, 421B, 421C, 425, 441, P210N (with turbine conversions).
	E HAVILLAND DH114.
	E HAVILLAND CANADA:
	DHC-2, DHC-2 MKIII, DHC-3, DH6-1, DHC-6-100, DHC-6-200, DHC-6-300.
	ORNIER:
	128–6, DO228–100, -101, -200, -201, -202, -212.
	DUGLAS DC-3C (with turbine conversions).
	ABRAER:
	EMB-110-P1, -P2, EMB-111, EMB-121A1, EMB-312 (Non U.S. TC'd product).
	VAER T-35-TX (Non U.S. TC'd product).
	AIRCHILD AIRCRAFT:
	SA226 $-AT$ , $-T$ , $-TB$ , $-TC$ .
	AIRCHILD-HILLER (PILATUS) AU–23 (Non U.S. TC'd product).
	UG & FAHRZEUGWERKE AG AS202/32TP (Non U.S. TC'd product).
	JJI KM–2D (T–5) (Non U.S. TC'd product).
	RUMMAN S-2 (with turbine conversions).
	RUMMAN (GULFSTREAM AERO) G73 (with turbine conversions).
	RUMMAN (MCKINNON) G21E, G (with turbine conversions).
	AFEI AVIATION INDUSTRY CO.
	Y12, Y12IV (Non U.S. TC'd product).
	ELIO:
	HST–550, –550A.
_	A (ROMANIA) IAR-825TP (Non U.S. TC'd product).
	RAEL AIRCRAFT INDUSTRIES:
-	101, 101B.
K	DREAN AEROSPACE INDUSTRIES KTX-IT (Non U.S. TC'd product).
M	AULE:
	M–7–420, MX (T)–7–420.
	ITSUBISHI:
18 93	MU-2B, MU-2B-10, -15, -20, -25, -26, -30, -35, -36, -40, -60, MU-2B-25A, -26A, -35A
	36A.
NC	ORD 262 (FRAKES), and (NORD) Model 262(A) modified by Supplemental Type Certificate
(S'	ГС) SA2369SW.
NC	DRMAN AEROPLANE:
	NA 6, NAC 6–65 (Non U.S. TC'd product).
PC	DLISH AVIATION (MIELEC):
10	M–28, M–28B.
PA	CIFIC AEROSPACE FU24(A)–950/–954.
	CIFIC AEROSPACE (FLETCHER):
	FU-24 CRESCO 08-600, FU-24 CRESCO 08-750XL.
	AGGIO P–166 DL3.
	LATUS:
	PC-6/A-H2, PC-6/B-H2, PC-6/B1-H2, PC-6/B2-H2, PC-6/B2-H4, PC-6/C-H2, PC-6/C1
	PC-7.

PROP JETS INC. 400 (Non U.S. TC'd product).
PZL MIELEC:
M18, M18A, M18B, M27, PZL-106BT, PZL-130TE.
ROCKWELL OV-10.
SCHWEIZER (GRUMMAN) G-164, G-164A and G-164B (with turbine conversions).
SHORT BROTHERS:
SC7 SERIES 3, SD3-30 VARIANT 200, SD3-SHERPA VARIANT 200, SD3-60 VARIANT 200,
SD3–60 SHERPA VARIANT 200.
SIAI MARCHETTI (AERMACCHI):
F.260C, F.260D, SM-1019, SF600 CANGURO.
VALMET L-90TP (Non U.S. TC'd product).
VULCANAIR (PARTENAVIA):
AP68TP-300, AP68TP-600.
WALLAROO 605 (Non U.S. TC'd product).
WEATHERLY 620TP.

# **Unsafe Condition**

(d) This AD results from the discovery during routine propeller installation that a bolt from a certain manufacture lot did not properly absorb the installation torque. This AD also results from the discovery that other bolts of the same part number from a different certain manufacture lot had material surface pitting. We are issuing this AD to prevent propeller mounting bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane.

# Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified unless the actions have already been done.

# **Visual Inspections and Torque Checks**

(f) Perform initial visual inspection and torque check of all eight mounting flange bolts when P/N B-3339 bolts from LFC manufacturing Lot No. 12 or Lot No. 56 are present, within 50 hours time-in-service (TIS) or 12 months after the effective date of the AD, whichever occurs first. For the location of bolt identification marks, see Figure 1 of Hartzell Propeller Inc. Alert Service Bulletin (ASB) No. HC-ASB-61-279, Revision 2, dated May 6, 2005.

(g) Thereafter, for all airplanes except Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, perform repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 120 hours TIS since-last-inspection.

(h) Thereafter, for Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, perform repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 100 hours TIS since-last-inspection.

(i) If any bolt fails the torque check, replace all eight bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAA-approved equivalent part number bolts.

(j) Perform the actions specified in paragraphs (f), (g), (h), and (i) of this AD, using paragraphs 3.A through 3.B.(5) of the Accomplishment Instructions of Hartzell Propeller Inc. ASB No. HC-ASB-61-279, Revision 2, dated May 6, 2005.

# **Mandatory Terminating Action**

(k) As mandatory terminating action to the repetitive visual inspections and torque checks required by this AD, replace all P/N B-3339, LFC Manufacturing Lot No. 12 and Lot No. 56 bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAA-approved equivalent part number bolts, within 12 months after the effective date of this AD. Use paragraph 3.C of Accomplishment Instructions of Hartzell Propeller Inc. ASB No. HC-ASB-61-279, Revision 2, dated May 6, 2005, to do the bolt replacement.

### **Alternative Methods of Compliance**

(1) The Manager, Chicago Aircraft Certification Office, has the authority to approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

### **Related Information**

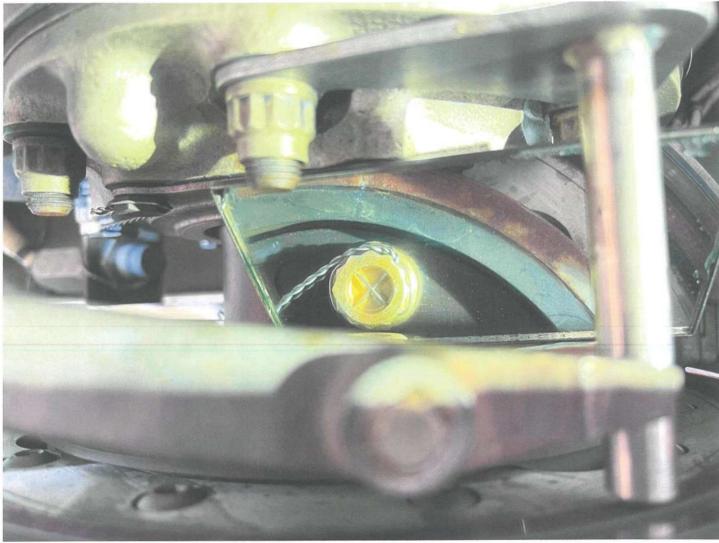
(m) AD 2004-21-01, Amendment 39-13822 (69 FR 60952) also pertains to the subject of this AD.

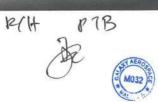
# **Material Incorporated by Reference**

(n) You must use Hartzell Propeller Inc. Alert Service Bulletin No. HC-ASB-61-279, and Alert Service Bulletin Appendix No. HC-ASBA-61-279, Revision 2, dated May 6, 2005, to perform the initial and repetitive visual inspections, torque checks, and bolt replacements required by this AD. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Hartzell Propeller Inc. Technical Publications Department, One Propeller Place, Piqua, OH 45356; telephone (937) 778-4200; fax (937) 778-4391, for a copy of this service information.

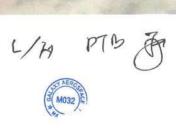
You may review copies at the Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-0001, on the internet at http://dms.dot.gov, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: *http://www.archives.gov/federal\_register/code\_of\_federal\_regulations/ibr\_locations.html*.

Issued in Burlington, Massachusetts, on July 6, 2005. Francis A. Favara, Acting Manager, Engine and Propeller Directorate, Aircraft Certification Service. [FR Doc. 05-13733 Filed 7-13-05; 8:45 am] BILLING CODE 4910-13-P









# **DELIVERY NOTE WP**



### **DELIVER TO :**

GALAXY AEROSPACE (M) SDN. BHD. CAMO DEPARTMENT Lot 11, MRO Centre, Malaysia International Aerospace Centre, Sultan Abdul Aziz Shah Airport, 47200 Subang, Selangor Malaysia. Attn : Zaty Nadhira binti Mohamed Zuhari DN NUMBER: GAM/DN/23/PTC-068 OUR REFERENCE: 2023-15841 WO REFERENCE: 9M-PTC-15841 DATE COMPLETION: 22 JUNE 2023 AJL NUMBER: 002271

				A	C DETAIL	5				
A/C TYP	PE	B300 (S	KA350)	A/C REG	91	M-PTC	A/C S/N		FL-598	
	OWNER / ROYAL M OPERATOR FOR		24777023470239	A/C TOTAL TIME	42	272:31	LANDINGS	2	3947	
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ENGINE #2	2 S/N	PCE-PI	(0998	T.S.N	41	.51:06	T.S.O			
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\*ARC -- AUTHORISED RELEASE CERTIFICATE \*OTH -- OTHERS



GALAXY AEROSPACE (M) SDN. BHD. [1040262-D] Suite 11-14, Helicopter Centre, Malaysia International Aerospace Centre,

47200 Subang, Selangor, Malaysia. Tel: +603 7734 7226 | Fax: +603 7734 7526 www.galaxyaerospace.my | enquiry@galaxyaerospace.my

# WORK ORDER



To: GALA	XY AEROSPACE (M) SDN. BHD.			
Address:	Lot 11-14, MRO Centre, Malaysia International Aerospace Centre, SAAS Airport, Subang	Work Order Number: 2023		
		Work Pack Reference:	9M-PTC-15841	
Attention:	Malaysia Mr. Syafrul Yamani	Date Issued:	25/05/2023	
	Engineering Manager syafrul@galaxyaerospace.my	A/C Registration / SN:	9M-PTC/FL-598	
		Sheet:	1 OF 1	

#### **Description:**

Item	Description/Task/Inspection	Reference	Man Hours
1	PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT, FAA AD NO. 2005-14-12, NEW ISSUE COMPLIANCE	FAA AD 2005-14-12	(PLEASE ADVISE)

### Remark/Notes:

1. State this Work Order reference on your Work Package. Should there is any additional job/defect (unless specified in the work package) the maintenance organization must notify GAM Continuing Airworthiness Manager prior to proceed with rectification.

- 2. Work must be carried out in accordance with approved data and perform by qualified personnel/ approved LAE from the maintenance organization.
- 3. Parts used must be written in Parts Report Form and accompanied by ARC, Serviceable Label or equivalent document.
- 4. Test report, parameter reading or any supporting data must be attached with the worksheet if applicable.
- 5. The maintenance organization shall be responsible for any damages made on the aircraft/ components during maintenance.

6. Softcopy of completed Work Package shall be submitted or as mutual agreed and GAM Continuing Airworthiness Manager must be informed once the aircraft is Release to Service.

7. Completed Work Package (original) must be submitted to GAM Continuing Airworthiness Manager office within 3 days of date of completion.

I hereby declare that an approved and up to date maintenance data has been referred for the issuance of this work order.

Thank you. Best Regards,

Zaty Nadhira Mohamed Zuhari Continuing Airworthiness Management Manager Email: zaty@galaxyaerospace.my

LIENI	rowner: ROYAL MALAYSIA			1101100	100/02	OL F		WODUDIOK			
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GAM/C-004 Rev 3 (01/22)



GALAXY AEROSPACE (M) SDN. BHD. [1040262-0] Solto TT+14. Helicoptor Centre, Malayala International Acrospace Centre, Sultan Abdul Azz Silvan Anganet. 472(0) Sanaara, Selimigar, Malayala Tel: 400.7703 72261 [282: 600.7734.7586 www.gnlbayaerospace.mv] enguiny@galaxyaerospace.mv

## WORKSHEET

AIRCRAFT REGISTRAT	VNER: ROYAL MALAYSIA POLICE		SERIAL NO.						6
REGISTRAT		Aironia	The second se		LDG/C	YCLE	WORKSHEET NO: 15841-001 WORK/INSP/DESC: AD 2005-14-12		
	TYPE: B300 (SKA350)	#1 ENGI		REFER WORKP			WORK/INSP/L		
BASE/FACILITY: WMSA #2 ENGINE: PCE-PK0998 REFER W							AJL REF NO.:	001110-1	0RKPACK
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Item		ſ	Description				Technician	* Eng. CRS	Date
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GALAXY AEROSPACE (M) SDN. BHD. (1040262-D) Suite 11-14: Holicopter Control, Matexia Inturnitional Aerospace Centre, Suita Andul Azz, Stah Arport, 47200 Submin, Belanger, Malaysia, Tel. +603.7724 7226 | Fax: +603.7734 7828 www.glabxyaerospace.my [imgury/@glabxyaerospace.my.

# WORKSHEET

CLIENT	/OWN	ER: ROYAL MALAY	SIA		SERIAL NO	. HOURS	LDO	3/CYCLE		WORKSH	HEET NO	: 1584	1-001		
AIRCR	ET TV	POLICE PE: B300 (SKA350)		AIRCRAFT	FL-598	REFER V	VORKPACI	<	1	WORK/IN		110 6	2005-14-12		
		N: 9M-PTC		#1 ENGINE:	PCE-PK098	4 REFER V	VORKPACI	ς		WORKPA		9M-F	PTC-15841		
		TY: WMSA		#2 ENGINE:	PCE-PK099	8 REFER W	ORKPACI	<		AJL REF	NO.:	REF	ER WORK	PACK	
DATE IN	: REFER	WORKPACK OUT: REFE	R WORKPACK				NG / N	1 NF/N	F / N2	SHEET:		2	2 OF 2		
PHYSIC ACCOF	Passon for raising: HYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN CCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 R LATER APPROVED REVISIONS. R LATER APPROVED REVISIONS. R LATER APPROVED REVISIONS.					Other requirements/information: NOT APPLICABLE									
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	13	MOUNTING BOLTS	s R	/ 6)	13-3330	i G	5	1179	521						
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#### GALAXY AEROSPACE (M) SDN. BHD. [1040262-D] Suite 11-14. Helicopter Genue, Malaysia Information

Sulla 11-11. Heliooptilar Cerrini, Micaysa International Aprosphere Centre Sultan Abdul Azez Shah Arpont, 37200 Subang, Solangor, Malaysia, 169 - 4603 1734 7226 | Fax: -603 1734 7526 www.gataxyserosphere.my | oncumy-70alaxyawrosphere.mv



Description	Part No	Serial Number	Worksheet Re	f No. / Calibi	ation D	ue Dat	e
Aircraft Reg:			9M-PTC	PAGE:	1	OF	1
Aircraft Type:		B	300 (SKA350)	DESC:	AD 2	2005-14	1-12
Aircraft Serial No:			FL-598	Work Pack No	9M-F	PTC-15	841

[Federal Register: July 14, 2005 (Volume 70, Number 134)]
[Rules and Regulations]
[Page 40656-40660]
From the Federal Register Online via GPO Access [wais.access.gpo.gov]
[DOCID:fr14jy05-3]

### DEPARTMENT OF TRANSPORTATION

**Federal Aviation Administration** 

14 CFR Part 39

[Docket No. FAA-2005-21735; Directorate Identifier 2005-NE-22-AD; Amendment 39-14189; AD 2005-14-12]

RIN 2120-AA64

Airworthiness Directives; Hartzell Propeller Inc. Models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 Propellers

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule; request for comments.

**SUMMARY:** The FAA is adopting a new airworthiness directive (AD) for Hartzell Propeller Inc. models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 propellers, installed with propeller mounting bolts, part number (P/N) B-3339. This AD requires initial and repetitive visual inspections and torque checks of certain manufacture lot numbers of propeller mounting bolts, P/N B-3339, and eventual removal from service of those bolts. This AD results from the discovery during routine propeller installation that a bolt from a certain manufacture lot did not properly absorb the installation torque. This AD also results from the discovery that other bolts of the same part number from a different manufacture lot had material surface pitting. We are issuing this AD to prevent propeller attaching bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane.

**DATES:** This AD becomes effective July 29, 2005. The Director of the Federal Register approved the incorporation by reference of certain publications listed in the regulations as of July 29, 2005.

We must receive any comments on this AD by September 12, 2005.

ADDRESSES: Use one of the following addresses to comment on this AD:

• DOT Docket Web site: Go to *http://dms.dot.gov* and follow the instructions for sending your comments electronically.

• Government-wide rulemaking Web site: Go to *http://www.regulations.gov* and follow the instructions for sending your comments electronically.

• Mail: Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-0001.

• Fax: (202) 493-2251.

• Hand Delivery: Room PL-401 on the plaza level of the Nassif Building, 400 Seventh Street,

SW., Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.
 Contact Hartzell Propeller Inc. Technical Publications Department, One Propeller Place, Piqua,
 OU 45256: telephone (027) 778 4200; for (027) 778 4201; for the correlation referenced in

OH 45356; telephone (937) 778-4200; fax (937) 778-4391, for the service information referenced in this AD.

**FOR FURTHER INFORMATION CONTACT:** Tim Smyth, Aerospace Engineer, Chicago Aircraft Certification Office, FAA, Small Airplane Directorate, 2300 East Devon Avenue, Des Plaines, IL 60018; telephone: (847) 294-7132; fax: (847) 294-7834.

**SUPPLEMENTARY INFORMATION:** Hartzell Propeller Inc. has informed us that recently during routine installation of a steel hub propeller, one of the propeller mounting bolts, P/N B-3339, did not properly absorb the installation torque. The suspect bolt was removed and examined. Hartzell Propeller Inc., found that the bolt does not have the proper material hardness as specified by the propeller type design requirements. That bolt was identified as part of LFC Manufacturing Lot No. 56. Hartzell Propeller Inc., examined their inventory of bolts and found two other Lot No. 56 bolts also below proper material hardness. During this investigation, Hartzell Propeller Inc. also discovered a quantity of bolts, P/N B-3339, from LFC Manufacturing Lot No. 12, with material surface pitting underneath the anti-corrosion coating. These pitted bolts also do not meet the propeller type design requirements. This condition, if not corrected, could result in propeller mounting bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane.

### **Relevant Service Information**

We have reviewed and approved the technical contents of Hartzell Propeller Inc. Alert Service Bulletin (ASB) No. HC-ASB-61-279, Revision 2, dated May 6, 2005, that describes procedures to visually inspect, torque check, and replace the affected bolts.

### FAA's Determination and Requirements of This AD

The unsafe condition described previously is likely to exist or develop on other Hartzell Propeller Inc. models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 propellers of the same type design, installed with propeller mounting bolts, P/N B-3339. For that reason, we are issuing this AD to prevent propeller mounting bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane. This AD requires:

• Initial visual inspection and torque check of all eight mounting flange bolts when P/N B-3339 bolts from LFC manufacturing Lot No. 12 or Lot No. 56 are present, within 50 hours time-in-service (TIS) or 12 months after the effective date of the AD, whichever occurs first; and

• Thereafter, for all airplanes except Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 120 hours TIS since-last-inspection; and

• Thereafter, for Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 100 hours TIS since-last-inspection; and

• If any bolt fails the torque check, replacement of all eight bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAA-approved equivalent part number bolts.

• As mandatory terminating action to the repetitive visual inspections and torque checks required by this AD, replacement of all P/N B-3339, LFC Manufacturing Lot No. 12 and Lot No. 56 bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAAapproved equivalent part number bolts, within 12 months after the effective date of this AD.

You must use the service information described previously to perform the visual inspections, torque checks, and bolt replacements required by this AD.

### FAA's Determination of the Effective Date

Since an unsafe condition exists that requires the immediate adoption of this AD, we have found that notice and opportunity for public comment before issuing this AD are impracticable, and that good cause exists for making this amendment effective in less than 30 days.

### **Comments Invited**

This AD is a final rule that involves requirements affecting flight safety and was not preceded by notice and an opportunity for public comment; however, we invite you to send us any written relevant data, views, or arguments regarding this AD. Send your comments to an address listed under ADDRESSES. Include "AD Docket No. FAA-2005-21735; Directorate Identifier 2005-NE-22-AD" in the subject line of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of the rule that might suggest a need to modify it.

We will post all comments we receive, without change, to *http://dms.dot.gov*, including any personal information you provide. We will also post a report summarizing each substantive verbal contact with FAA personnel concerning this AD. Using the search function of the Docket Management System (DMS) Web site, anyone can find and read the comments in any of our dockets, including the name of the individual who sent the comment (or signed the comment on behalf of an association, business, labor union, etc.). You may review the DOT's complete Privacy Act Statement in the Federal Register published on April 11, 2000 (65 FR 19477-78) or you may visit *http://dms.dot.gov*.

### **Examining the AD Docket**

You may examine the docket that contains the AD, any comments received, and any final disposition in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The Docket Management Facility (telephone (800) 647-5227) is located on the plaza level of the Department of Transportation Nassif Building at the street address stated in ADDRESSES. Comments will be available in the AD docket shortly after the facility receives them.

### Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, Section 106, describes the authority of the FAA Administrator. Subtitle VII, Aviation Programs, describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701, "General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

### Regulatory Findings

We have determined that this AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national Government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that the regulation:

1. Is not a "significant regulatory action" under Executive Order 12866;

2. Is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and

3. Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

We prepared a summary of the costs to comply with this AD and placed it in the AD Docket. You may get a copy of this summary at the address listed under ADDRESSES.

### List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

### Adoption of the Amendment

Under the authority delegated to me by the Administrator, the Federal Aviation Administration amends part 39 of the Federal Aviation Regulations (14 CFR part 39) as follows:

### **PART 39–AIRWORTHINESS DIRECTIVES**

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

### § 39.13 [Amended]

2. The FAA amends § 39.13 by adding the following new airworthiness directive:

### **AIRWORTHINESS DIRECTIVE**



U.S. Department of Transportation

Federal Aviation Administration

Aircraft Certification Service Washington, DC

We post ADs on the internet at "www.faa.gov"

The following Airworthiness Directive issued by the Federal Aviation Administration in accordance with the provisions of Title 14 of the Code of Federal Regulations (14 CFR) part 39, applies to an aircraft model of which our records indicate you may be the registered owner. Airworthiness Directives affect aviation safety and are regulations which require immediate attention. You are cautioned that no person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of the Airworthiness Directive (reference 14 CFR part 39, subpart 39.3).

2005-14-12 Hartzell Propeller Inc.: Amendment 39-14189. Docket No. FAA-2005-21735; Directorate Identifier 2005-NE-22-AD.

### **Effective Date**

(a) This airworthiness directive (AD) becomes effective July 29, 2005.

### Affected ADs

(b) None.

### Applicability

(c) This AD applies to Hartzell Propeller Inc. models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 propellers installed with propeller mounting bolts, part number (P/N) B-3339. These propellers are installed on, but not limited to, the airplanes listed in the following Table 1:

### TABLE 1.—AIRPLANES THAT PROPELLERS ARE INSTALLED ON, BUT NOT LIMITED TO

ADVANCED AERO & STRUCTURES, INC. 450.
AEROCOMMANDER:
680T, 680V, 681, 690, 690A, 690B, 690C, 695, 695A.
AEROSPATIALE (SOCATA):
TB-31 (Non U.S. type certificated (TC'd) product).
AIR TRACTOR:
AT-300, AT-301, AT-302, AT-400, AT-401, AT-402, AT-402A, AT-402B, AT-501, AT-502
AT-502A, AT-502B, AT-503, AT-503A, AT-602, AT-802.
AMERICAN AVIATION (GRUMMAN):
G-164, G-164B, G-164B-15T, G-164B-34T, G-164D.
AYRES:
S-2R, S-2R-R1340, S-2R-R3S, S-2R-G1, S-2R-G5, S-2R-G6, S-2R-G10, S-2R-T6, S-2R-
T11, S–2R–T15, S–2R–T34, S–2R–T–45, S–2R–T65, S–2RHG–T65.
BAE 137.
BEECH (Raytheon):
(D, E)18 (C, S), (T, C)45(G, H, J), and E18S-9700 (with turbine conversions), 100, A100, A100A
B100, 1900C, 200(T), 200C(T), B200(T), B200C(T), 300, 300LW, B300, 65-90, -A90, -A90-1,
A90-2, -A90-4, B90, C90, C90A, E90, F90, H90, 99, 99A, A99, A99A, B99, C99, A36 and
A36TC (with turbine conversions), 34C, T34C, T34C–1.

CASA: C-212-CB, C-212-CC, C-212-CF-CF. CESSNA: 208, 208A, 208B, 402, 421B, 421C, 425, 441, P210N (with turbine conversions). DE HAVILLAND DH114. DE HAVILLAND CANADA: DHC-2, DHC-2 MKIII, DHC-3, DH6-1, DHC-6-100, DHC-6-200, DHC-6-300. DORNIER: 128-6, DO228-100, -101, -200, -201, -202, -212. DOUGLAS DC-3C (with turbine conversions). EMBRAER: EMB-110-P1, -P2, EMB-111, EMB-121A1, EMB-312 (Non U.S. TC'd product). ENAER T-35-TX (Non U.S. TC'd product). FAIRCHILD AIRCRAFT: SA226-AT, -T, -TB, -TC. FAIRCHILD-HILLER (PILATUS) AU-23 (Non U.S. TC'd product). FLUG & FAHRZEUGWERKE AG AS202/32TP (Non U.S. TC'd product). FUJI KM-2D (T-5) (Non U.S. TC'd product). GRUMMAN S-2 (with turbine conversions). GRUMMAN (GULFSTREAM AERO) G73 (with turbine conversions). GRUMMAN (MCKINNON) G21E, G (with turbine conversions). HAFEI AVIATION INDUSTRY CO. Y12, Y12IV (Non U.S. TC'd product). HELIO: HST-550, -550A. ICA (ROMANIA) IAR-825TP (Non U.S. TC'd product). **ISRAEL AIRCRAFT INDUSTRIES:** 101, 101B. KOREAN AEROSPACE INDUSTRIES KTX-IT (Non U.S. TC'd product). MAULE: M-7-420, MX (T)-7-420. MITSUBISHI: MU-2B, MU-2B-10, -15, -20, -25, -26, -30, -35, -36, -40, -60, MU-2B-25A, -26A, -35A, -36A. NORD 262 (FRAKES), and (NORD) Model 262(A) modified by Supplemental Type Certificate (STC) SA2369SW. NORMAN AEROPLANE: NA 6, NAC 6-65 (Non U.S. TC'd product). POLISH AVIATION (MIELEC): M-28, M-28B. PACIFIC AEROSPACE FU24(A)-950/-954. PACIFIC AEROSPACE (FLETCHER): FU-24 CRESCO 08-600, FU-24 CRESCO 08-750XL. PIAGGIO P-166 DL3. PILATUS: PC-6/A-H2, PC-6/B-H2, PC-6/B1-H2, PC-6/B2-H2, PC-6/B2-H4, PC-6/C-H2, PC-6/C1-H2, PC-7. PIPER:

PA-31P, PA-31T, PA-31T1, PA-31T2, PA-31T3, PA-42, PA-42-720, PA-42-720R.

PROP JE	TS INC. 400 (Non U.S. TC'd product).
PZL MIE	LEC:
M18, N	118A, M18B, M27, PZL–106BT, PZL–130TE.
ROCKWI	ELL OV-10.
SCHWEIZ	ZER (GRUMMAN) G-164, G-164A and G-164B (with turbine conversions).
SHORT B	BROTHERS:
SC7 SE	RIES 3, SD3-30 VARIANT 200, SD3-SHERPA VARIANT 200, SD3-60 VARIANT 200,
SD3-60	) SHERPA VARIANT 200.
SIAI MAI	RCHETTI (AERMACCHI):
F.260C	, F.260D, SM–1019, SF600 CANGURO.
VALMET	L–90TP (Non U.S. TC'd product).
VULCAN	IAIR (PARTENAVIA):
AP68TI	P–300, AP68TP–600.
WALLAR	ROO 605 (Non U.S. TC'd product).
WEATHE	ERLY 620TP.

### **Unsafe Condition**

(d) This AD results from the discovery during routine propeller installation that a bolt from a certain manufacture lot did not properly absorb the installation torque. This AD also results from the discovery that other bolts of the same part number from a different certain manufacture lot had material surface pitting. We are issuing this AD to prevent propeller mounting bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane.

### Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified unless the actions have already been done.

### **Visual Inspections and Torque Checks**

(f) Perform initial visual inspection and torque check of all eight mounting flange bolts when P/N B-3339 bolts from LFC manufacturing Lot No. 12 or Lot No. 56 are present, within 50 hours time-in-service (TIS) or 12 months after the effective date of the AD, whichever occurs first. For the location of bolt identification marks, see Figure 1 of Hartzell Propeller Inc. Alert Service Bulletin (ASB) No. HC-ASB-61-279, Revision 2, dated May 6, 2005.

(g) Thereafter, for all airplanes except Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, perform repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 120 hours TIS since-last-inspection.

(h) Thereafter, for Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, perform repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 100 hours TIS since-last-inspection.

(i) If any bolt fails the torque check, replace all eight bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAA-approved equivalent part number bolts.

(j) Perform the actions specified in paragraphs (f), (g), (h), and (i) of this AD, using paragraphs 3.A through 3.B.(5) of the Accomplishment Instructions of Hartzell Propeller Inc. ASB No. HC-ASB-61-279, Revision 2, dated May 6, 2005.

### **Mandatory Terminating Action**

(k) As mandatory terminating action to the repetitive visual inspections and torque checks required by this AD, replace all P/N B-3339, LFC Manufacturing Lot No. 12 and Lot No. 56 bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAA-approved equivalent part number bolts, within 12 months after the effective date of this AD. Use paragraph 3.C of Accomplishment Instructions of Hartzell Propeller Inc. ASB No. HC-ASB-61-279, Revision 2, dated May 6, 2005, to do the bolt replacement.

### **Alternative Methods of Compliance**

(1) The Manager, Chicago Aircraft Certification Office, has the authority to approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

### **Related Information**

(m) AD 2004-21-01, Amendment 39-13822 (69 FR 60952) also pertains to the subject of this AD.

### **Material Incorporated by Reference**

(n) You must use Hartzell Propeller Inc. Alert Service Bulletin No. HC-ASB-61-279, and Alert Service Bulletin Appendix No. HC-ASBA-61-279, Revision 2, dated May 6, 2005, to perform the initial and repetitive visual inspections, torque checks, and bolt replacements required by this AD. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Hartzell Propeller Inc. Technical Publications Department, One Propeller Place, Piqua, OH 45356; telephone (937) 778-4200; fax (937) 778-4391, for a copy of this service information.

You may review copies at the Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-0001, on the internet at http://dms.dot.gov, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: *http://www.archives.gov/federal\_register/code\_of\_federal\_regulations/ibr\_locations.html*.

Issued in Burlington, Massachusetts, on July 6, 2005. Francis A. Favara, Acting Manager, Engine and Propeller Directorate, Aircraft Certification Service. [FR Doc. 05-13733 Filed 7-13-05; 8:45 am] BILLING CODE 4910-13-P















### **DELIVERY NOTE WP**

DELIVER TO :

GALAXY AEROSPACE (M) SDN. BHD. CAMO DEPARTMENT Lot 11, MRO Centre, Malaysia International Aerospace Centre, Sultan Abdul Aziz Shah Airport, 47200 Subang, Selangor Malaysia. Attn : Zaty Nadhira binti Mohamed Zuhari



DN NUMBER: GAM/DN/23/PTD-065 OUR REFERENCE: 2023-15842 WO REFERENCE: 9M-PTD-15842 DATE COMPLETION: 12 JUNE 2023 AJL NUMBER: 003002

			A/	C DETAIL	5				
A/C TYPE	B300 (	(SKA350)	A/C REG	9N	1-PTD	A/C S/N		FL-680	
OWNER / OPERATOR	0.656.200.0008696943	MALAYSIA DRCE	A/C TOTAL TIME		23:15	LANDINGS		1041	
ENGINE #1 S/N	PCE-	PK0985	T.S.N	41	69:15	T.S.O			
ENGINE #2 S/N	PCE-	PK1184	T.S.N	13	23:15	T.S.O			
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PHYSICAL INSPECTI PROPELLERS MOUN BOLT, FAA AD NO. 12, NEW ISSUE COMPLIANCE	NTING	-001	2	1	-	-	-	11	
THIS IS TO CERTIFY T	HAT TASKS		HAS BEEN ACCOM		per po/work	ORDER/SERVICE OR		BOVE. IE 2023	
		VERIF	IED AND ACCEPT	TED BY		RUL HUSNA BINTI ZAI CAMO Planne Galaxy Aerospace (M) (1040262-D)	1		
	an a			DATE		16 JU	JN 2023	1	

\*ARC - AUTHORISED RELEASE CERTIFICATE \*OTH - OTHERS



GALAXY AEROSPACE (M) SDN. BHD. [1040262-D] Suite 11-14, Helicopter Centre, Malaysia International Aerospace Centre, Sultan Abdul Aziz Shah Airport, 47200 Subang, Selangor, Malaysia, Tel: +603 7734 7226 | Fax: +603 7734 7526 www.galaxyaerospace.my | enquiry@galaxyaerospace.my

# WORK ORDER



To:	CALAVY	AEDOODACE	18.43	SDN I	PHD
10.	GALAXY	AEROSPACE	(IVI)	SUN. I	впр.

Address:	Lot 11-14, MRO Centre, Malaysia	Work Order Number:	2023-1584		
	International Aerospace Centre, SAAS Airport, Subang	Work Pack Reference:	9M-P	TD-15	842
	Malaysia	Date Issued:	2	5/05/20	023
Attention:	Mr. Syafrul Yamani				
	Engineering Manager	A/C Registration / SN:	9M-PT	D/FL-	680
	syafrul@galaxyaerospace.my	Sheet:	1	OF	1

#### Description:

Item	Description/Task/Inspection	Reference	Man Hours
1	PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT, FAA AD NO. 2005-14-12, NEW ISSUE COMPLIANCE	FAA AD 2005-14-12	2 (PLEASE ADVISE)

#### Remark/Notes:

1. State this Work Order reference on your Work Package. Should there is any additional job/defect (unless specified in the work package) the maintenance organization must notify GAM Continuing Airworthiness Manager prior to proceed with rectification.

2. Work must be carried out in accordance with approved data and perform by qualified personnel/ approved LAE from the maintenance organization.

3. Parts used must be written in Parts Report Form and accompanied by ARC, Serviceable Label or equivalent document.

4. Test report, parameter reading or any supporting data must be attached with the worksheet if applicable.

5. The maintenance organization shall be responsible for any damages made on the aircraft/ components during maintenance.

6. Softcopy of completed Work Package shall be submitted or as mutual agreed and GAM Continuing Airworthiness Manager must be informed once the aircraft is Release to Service.

7. Completed Work Package (original) must be submitted to GAM Continuing Airworthiness Manager office within 3 days of date of completion.

I hereby declare that an approved and up to date maintenance data has been referred for the issuance of this work order.

Thank you. Best Regards,

Zaty Nadhira Mohamed Zuhari Continuing Airworthiness Management Manager Email: zaty@galaxyaerospace.my

Y	axyAerospace	Suite 11-14 Suiter Abou Tel +603 77	ROSPACE (M) SDN. Helicopter Centre N I Ava: Shah Ariport A 34 7226   Fax: vE03 aerospace my   enqui	talaysia internatio 17210 Sabang, Se 17734 7526	inal Aerospace Ce liphgor, Malaysis,	ntre:			WOR	
CLIEN	T/OWNER: ROYAL MALAYSIA		SERIAL NO.	HOURS	LDG/CY	YCLE		WORKPACK	NO: 9M-PTD-	15842
	POLICE AFT TYPE: B300 (SKA350)	AIRCRAFT	FL-680	1323:15	10	41		WORK/INSP/	DESC: AD 2005-	14-12
	TRATION: 9M-PTD	#1 ENGINE:	PCE-PK0985	41GQ:15	-	-	10		B NO.: 2023-158	42 00300
	FACILITY: WMSA	#2 ENGINE:	PCE-PK1184	1323:15	<u>198</u> 5		2.	AJL REF NO.	: -003C	ACC DC
	N: 12/06/2023 OUT: 12/06/2023	3			NG / N1	NF	/ N2	SHEET;	1 OF	1 1546123
PHYS ACCO	n for raising: ICAL INSPECTION OF PROPELLERS RDANCE WITH FAA AD 2005-14-12 D TER APPROVED REVISIONS.			OUT IN			Isna	Other requirer	nents/informatior NOT APPLICABL	
Lis	st of scheduled inspection and all including indiv	work carried out idual reference	under this wo	rkpack	DATE			Master S	ignature Schedul	e
NO,	INSPECTION / WO	אסר	WORKSHE	ET DEE	COMPLET		1	NAME	SIGNATURE	
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1	BOLT, FAA AD NO. 2005-14-12, NEW ISS		15843-	001	12/06/2	083		NURIN	- E	MO32
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GALAXY AEROSPACE (M) SDN. BHD. [1040262-D] Sidle 11-14, Helicopter Gentre, Malaysia International Aeroapage Centre, Suitan Abdul Airz Sinah Airpon, 47/200 Subarrig, Selangor, Malaysia, Tol. x603 77/34 7282 [ Sea x 403 77/34 7326] www.galaxyaerospace.mv [ requirty/iigalakyaerospace.mv

## WORKSHEET

CLIENT/OV	WNER: ROYAL MALAYSIA	\	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET	NO: 15842-001	
AIRCRAFT	POLICE TYPE: B300 (SKA350)	AIRCE	RAFT FL-680	REFER WOR	KPACK	WORK/INSP/D	10 2000 1	1-12
REGISTRA	TION: 9M-PTD	#1 EN	GINE: PCE-PK0985	REFER WOR		WORKPACK F	001-110-10	
BASE/FAC	ILITY: WMSA	#2 EN	GINE: PCE-PK1184	REFER WOR	KPACK	AJL REF NO.:	Color I had & FTN	
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ACCORDA	or raising: . INSPECTION OF PROPE NOCE WITH FAA AD 2005-1 A APPROVED REVISIONS.	14-12 DATED JUL			Raised by and date: CAMO; Nurul Husna Zainol Abidin 26/05/2023	Other requirem	nents/information: NOT APPLICABLE	
Item		44	Description			Technician	* Eng. CRS	Date
1 F	FAA AD NO. 2005-14-12 - F	PROPELLERS MC	OUNTING BOLTS					
n r	PHYSICAL INSPECTION T MOUNTING BOLTS PART NOTE: TO ATTACH PICTU PART NUMBER B-3339.	NUMBER B-3339.						
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	AFFECTED MANUFACTUR		R: LOT 12 LOT 56					
F	REFERENCE: 1. FAA AD N 2. HC-ASB-6 REMARKS: PHYSICAC NERT SERVICE KUN POUND S	1-279 - INSPECT BULETIA	0 AC-ADD-0	ED OUT 61 - 279 1	AS PER CENISION 4	8138	To make the second	12/01 2005
N	O. ITEM	PROPELLER POSITION (LH/RH)	PART NUMBER	SOURCE	CODE MFG LOT NUMBER	ł		
3	1 MOUNTING BOLTS	LLA	B-3339	GS	117521			
3	2 MOUNTING BOLTS	L/H	B-3389	69	117521			
3	3 MOUNTING BOLTS	46)	B-3339	GIS	117521			-
4	4 MOUNTING BOLTS	L/H	B-3339	Cy>	117521			
Ę	5 MOUNTING BOLTS	L/H	8-3339	65	117521			
e	6 MOUNTING BOLTS	<u>~</u> /H	B-3339	GS	(1752)	-		
7	7 MOUNTING BOLTS	L/H	B-3379	GS	117521			
8	8 MOUNTING BOLTS	L/H	13-3339	GS	117521			
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GALAXY AEROSPACE (M) SDN. BHD. [1040262-D] Sulte (11-19; Helicopter Centre, Malayna Imturnational Aerospace Centre, Sultan Abdul Azz Shan Aimort, 47200 Subarro, Selangor, Malaysia, Tel. -603 7734 7296 [26x] -683 7734 7596 www.galaxyaerospace.my [ enguiny#galaxyaerospace.my

# WORKSHEET

CORDANCE WITH FAA AD 2005-14-12 D LATER APPROVED REVISIONS. TAA AD NO. 2005-14-12 - PROPE PHYSICAL INSPECTION TO BE C MOUNTING BOLTS PART NUMBE NOTE: TO ATTACH PICTURE OR PART NUMBER B-3339. NOTE: IF THE BOLT HEADS CAN PERFORM THE TORQUE INSPECTION OF BOLT MARKING AFFECTED SOURCE CODE: LFC AFFECTED MANUFACTURING LC REFERENCE: 1. FAA AD NO. 2002 2. HC-ASB-61-279 REMARKS: PHYSICAL IM ACER T SEKNICE F DAV D POUND SAT	PE:: B300 (SKA350)       AHCHAPT       PLOBO       HEPER WORKPACK       WORKPACK         N:: 9M-PTD       #1 ENGINE:       PCE-PK0985       REFER WORKPACK       WORKPACK REF:       9M-PTD-15842         AJL REF NO.:       REFER WORKPACK       NG / N1       NF / N2       AJL REF NO.:       REFER WORKPACK         Sing:       PCE-PK1184       REFER WORKPACK       NG / N1       NF / N2       AJL REF NO.:       REFER WORKPACK         SPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN 24005-14-12 DATED JUL-14-2005       Raised by and date:       Other requirements/information:       NOT APPLICABLE         SPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN 24005-14-12 DATED JUL-14-2005       Raised by and date:       CAMO; Nurul Huana       CAMO; Nurul Huana         SPECTION OF PROPELLERS MOUNTING BOLTS       Technician       * Eng. CRS       Date         AD 0. 2005-14-12 DATED JUL-14-2005       Description       Technician       * Eng. CRS       Date         AD 0. 2005-14-12 DATED JUL-14-2005       Description       Technician       * Eng. CRS       Date         SIGLA INSPECTION TO BE CARRIED OUT TO VERIFY IF AIRCRAFT IS FITTED WITH PROPELLERS       NOT APPLICABLE       Date         SIGLA INSPECTION BEFORE REMOVING THE BOLTS TO ALLOW VISUAL INSPECTION, FORM THE TORQUE INSPECTION BEFORE REMOVING THE BOLTS TO ALLOW VISUAL				SERIAL NO.	HOURS LD	G/CYCLE	WORKSHEET	NO: 15842-001	
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9 MOUNTING BOLTS	MOUNTING BOLTS       K/41       13-3339       GS       117522         MOUNTING BOLTS       R/A1       13-3339       GS       117522         MOUNTING BOLTS       R/A1       13-3339       GS       117522         MOUNTING BOLTS       R/A1       B-3339       GS       117522	AFF REF ACC	FERENCE: 1, FAA AD NO. 2. HC-ASB-61-2 MARKS: PHYSICAL ERT SEKVICE VD POUND S	2005-14-12 279 INSPECT BULLET SATISPAC PROPELLER POSITION	LOT 56 IGN CARCRIE TN HC-ASE	3-61-279 r	1		HIMMOSE AF	12/01 202
10 MOUNTING BOLTS	MOUNTING BOLTS         R/f.         13-3339         GS         117522           MOUNTING BOLTS         R/f.         B-3339         GS         117522	AFF REF ACC DA	FERENCE: 1, FAA AD NO. 2, HC-ASB-61-2 MARKS: PHYSICAL ERT SEKVICE ID POUNID S	2005-14-12 279 INSPECT BULLET SATISPAC PROPELLER POSITION (LH/RH)	LOT 56 IGN CASCRIE TN HC-ASE TORY PART NUMBER	3-61-279 r	MFG LOT NUMBER		MO32 PARTIE	12/0
11 MOUNTING BOLTS	MOUNTING BOLTS R/H B-3339 GS (1752)	AFF REF ACC DA	FERENCE: 1, FAA AD NO. 2, HC-ASB-61-2 MARKS: PHYSICAL ERT CEKVICE ID POUND S ITEM MOUNTING BOLTS	2005-14-12 279 INSPECT BULLET SATISPAC PROPELLER POSITION (LH/RH) P/H	LOT 56 IGN CASCRIE TON HC-ASE TONY PART NUMBER B-3339	3-61-279 r source code 65	MFG LOT NUMBER		HIMOSE ALLOSS	12/0
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	MOUNTING BOLTS P/H B-3339 GS (17522	AFF REM A(C) A(C) A(C) A(C) A(C) A(C) A(C) A(C)	FERENCE: 1, FAA AD NO. 2, HC-ASB-61-2 MARKS: PHYSICAL ERT CEKVICE ID POUNID S ITEM MOUNTING BOLTS MOUNTING BOLTS MOUNTING BOLTS MOUNTING BOLTS	2005-14-12 279 INSPECT BULLET SATISFAC PROPELLER POSITION (LH/RH) P/4] P/4] P/4] R/4] R/4] R/4]	LOT 56 IGN CASCRIE TN HC-ASE TORY PART NUMBER B-3339 B-3339 I3-3339 I3-3339 I3-3339 B-3339 B-3339	3-61-279 r SOURCE CODE 65 65 65 65 65 65 65	MFG LOT NUMBER 117522 117522 117522 117522 (17522		ALL	12/0
14 MOUNTING BOLTS (2	MOUNTING BOLTS 14 B-7339 GS 117522	AFF REF REN A(C) D(A) 9 10 11 12 13 14	FERENCE: 1, FAA AD NO. 2, HC-ASB-61-2 MARKS: PHYSICAL ERT CEKVICE D POUND S ITEM MOUNTING BOLTS MOUNTING BOLTS MOUNTING BOLTS MOUNTING BOLTS MOUNTING BOLTS	2005-14-12 279 INSPECT BULLET SATISPAC PROPELLER POSITION (LH/RH) P/H P/H R/H R/H R/H R/H R/H R/H	LOT 56 IGN CASCRIE TON HC-ASE TON Y PART NUMBER B-3339 IB-3339 IB-3339 IB-3339 IB-3339 IB-3339 IB-3339	3-61-279 r source code GS GS GS GS GS GS GS	MFG LOT NUMBER 117522 117522 117522 117522 117522 117522 117522 117522 117522		MO32 Providence	12/0

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GALAXY AEROSPACE (M) SDN. BHD. [1040262-D] Suite 11-14. Helicopter Centre, Malaysia Internation: Astospace Centre, Suitan Abdul Aur, Shatt Arport, 47201 Satisfin, Belimpor, Malaysia Tell - 803 7734 7226 [126] - e03 7756 7526 www.gataxyaenuppace.my [ enquery/8gataxy3efospace.my

# PARTS REPORT

CLIENT	/OWNER:			SIA			SERIAL	NO.	HOU	RS	LDC	G/CYC	CLE		WO	RKSH	EET NO:	1584	2-001	
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	RATION:				#1	ENGINE:	PCE-PH	<0985	REFE	R WO	RKPACI	<					CK REF:		TD-15842	
	ACILITY:				#2	ENGINE:	PCE-PH	<1184	REFE	RWO	RKPAC	<			AJL	REF N	10.:	REF	ER WORKP	ACK
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GALAXY AEROSPACE (M) SDN, BHO. [1040262-D] Suite 11-13. Heliconter Centre, Malaysia International Aerospace Centre, Suiten Abdul Aziz Shah Arport, 47200 Subang, Sstangor, Malaysia, Tel. (603.7734.7226 ] Fac. 4033.7734.7526 normagiance.my



	Description	Part No	Serial Number	Worksheet Re Item No.	of No. / Cal	bration E	ue Dat	te
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Aircraf	ft Type:		j)	B300 (SKA350)	DESC:	AD :	2005-14	4-12
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[Federal Register: July 14, 2005 (Volume 70, Number 134)] [Rules and Regulations] [Page 40656-40660] From the Federal Register Online via GPO Access [wais.access.gpo.gov] [DOCID:fr14jy05-3]

### DEPARTMENT OF TRANSPORTATION

**Federal Aviation Administration** 

14 CFR Part 39

[Docket No. FAA-2005-21735; Directorate Identifier 2005-NE-22-AD; Amendment 39-14189; AD 2005-14-12]

**RIN 2120-AA64** 

Airworthiness Directives; Hartzell Propeller Inc. Models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 Propellers

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule; request for comments.

**SUMMARY:** The FAA is adopting a new airworthiness directive (AD) for Hartzell Propeller Inc. models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 propellers, installed with propeller mounting bolts, part number (P/N) B-3339. This AD requires initial and repetitive visual inspections and torque checks of certain manufacture lot numbers of propeller mounting bolts, P/N B-3339, and eventual removal from service of those bolts. This AD results from the discovery during routine propeller installation that a bolt from a certain manufacture lot did not properly absorb the installation torque. This AD also results from the discovery that other bolts of the same part number from a different manufacture lot had material surface pitting. We are issuing this AD to prevent propeller attaching bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane.

**DATES:** This AD becomes effective July 29, 2005. The Director of the Federal Register approved the incorporation by reference of certain publications listed in the regulations as of July 29, 2005.

We must receive any comments on this AD by September 12, 2005.

ADDRESSES: Use one of the following addresses to comment on this AD:

• DOT Docket Web site: Go to *http://dms.dot.gov* and follow the instructions for sending your comments electronically.

• Government-wide rulemaking Web site: Go to *http://www.regulations.gov* and follow the instructions for sending your comments electronically.

• Mail: Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-0001.

• Fax: (202) 493-2251.

• Hand Delivery: Room PL-401 on the plaza level of the Nassif Building, 400 Seventh Street,

SW., Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. Contact Hartzell Propeller Inc. Technical Publications Department, One Propeller Place, Piqua,

OH 45356; telephone (937) 778-4200; fax (937) 778-4391, for the service information referenced in this AD.

**FOR FURTHER INFORMATION CONTACT:** Tim Smyth, Aerospace Engineer, Chicago Aircraft Certification Office, FAA, Small Airplane Directorate, 2300 East Devon Avenue, Des Plaines, IL 60018; telephone: (847) 294-7132; fax: (847) 294-7834.

**SUPPLEMENTARY INFORMATION:** Hartzell Propeller Inc. has informed us that recently during routine installation of a steel hub propeller, one of the propeller mounting bolts, P/N B-3339, did not properly absorb the installation torque. The suspect bolt was removed and examined. Hartzell Propeller Inc., found that the bolt does not have the proper material hardness as specified by the propeller type design requirements. That bolt was identified as part of LFC Manufacturing Lot No. 56. Hartzell Propeller Inc., examined their inventory of bolts and found two other Lot No. 56 bolts also below proper material hardness. During this investigation, Hartzell Propeller Inc. also discovered a quantity of bolts, P/N B-3339, from LFC Manufacturing Lot No. 12, with material surface pitting underneath the anti-corrosion coating. These pitted bolts also do not meet the propeller type design requirements. This condition, if not corrected, could result in propeller mounting bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane.

### **Relevant Service Information**

i,

We have reviewed and approved the technical contents of Hartzell Propeller Inc. Alert Service Bulletin (ASB) No. HC-ASB-61-279, Revision 2, dated May 6, 2005, that describes procedures to visually inspect, torque check, and replace the affected bolts.

### FAA's Determination and Requirements of This AD

The unsafe condition described previously is likely to exist or develop on other Hartzell Propeller Inc. models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 propellers of the same type design, installed with propeller mounting bolts, P/N B-3339. For that reason, we are issuing this AD to prevent propeller mounting bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane. This AD requires:

• Initial visual inspection and torque check of all eight mounting flange bolts when P/N B-3339 bolts from LFC manufacturing Lot No. 12 or Lot No. 56 are present, within 50 hours time-in-service (TIS) or 12 months after the effective date of the AD, whichever occurs first; and

• Thereafter, for all airplanes except Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 120 hours TIS since-last-inspection; and

• Thereafter, for Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 100 hours TIS since-last-inspection; and

• If any bolt fails the torque check, replacement of all eight bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAA-approved equivalent part number bolts.

• As mandatory terminating action to the repetitive visual inspections and torque checks required by this AD, replacement of all P/N B-3339, LFC Manufacturing Lot No. 12 and Lot No. 56 bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAAapproved equivalent part number bolts, within 12 months after the effective date of this AD.

You must use the service information described previously to perform the visual inspections, torque checks, and bolt replacements required by this AD.

### FAA's Determination of the Effective Date

Since an unsafe condition exists that requires the immediate adoption of this AD, we have found that notice and opportunity for public comment before issuing this AD are impracticable, and that good cause exists for making this amendment effective in less than 30 days.

### **Comments Invited**

This AD is a final rule that involves requirements affecting flight safety and was not preceded by notice and an opportunity for public comment; however, we invite you to send us any written relevant data, views, or arguments regarding this AD. Send your comments to an address listed under ADDRESSES. Include "AD Docket No. FAA-2005-21735; Directorate Identifier 2005-NE-22-AD" in the subject line of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of the rule that might suggest a need to modify it.

We will post all comments we receive, without change, to *http://dms.dot.gov*, including any personal information you provide. We will also post a report summarizing each substantive verbal contact with FAA personnel concerning this AD. Using the search function of the Docket Management System (DMS) Web site, anyone can find and read the comments in any of our dockets, including the name of the individual who sent the comment (or signed the comment on behalf of an association, business, labor union, etc.). You may review the DOT's complete Privacy Act Statement in the Federal Register published on April 11, 2000 (65 FR 19477-78) or you may visit *http://dms.dot.gov*.

#### **Examining the AD Docket**

You may examine the docket that contains the AD, any comments received, and any final disposition in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The Docket Management Facility (telephone (800) 647-5227) is located on the plaza level of the Department of Transportation Nassif Building at the street address stated in ADDRESSES. Comments will be available in the AD docket shortly after the facility receives them.

### Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, Section 106, describes the authority of the FAA Administrator. Subtitle VII, Aviation Programs, describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701, "General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

### **Regulatory Findings**

1

We have determined that this AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national Government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that the regulation:

1. Is not a "significant regulatory action" under Executive Order 12866;

2. Is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and

3. Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

We prepared a summary of the costs to comply with this AD and placed it in the AD Docket. You may get a copy of this summary at the address listed under ADDRESSES.

### List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

### Adoption of the Amendment

Under the authority delegated to me by the Administrator, the Federal Aviation Administration amends part 39 of the Federal Aviation Regulations (14 CFR part 39) as follows:

### **PART 39–AIRWORTHINESS DIRECTIVES**

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

### § 39.13 [Amended]

2. The FAA amends § 39.13 by adding the following new airworthiness directive:

### **AIRWORTHINESS DIRECTIVE**



Aircraft Certification Service Washington, DC

We post ADs on the internet at "www.faa.gov"

The following Airworthiness Directive issued by the Federal Aviation Administration in accordance with the provisions of Title 14 of the Code of Federal Regulations (14 CFR) part 39, applies to an aircraft model of which our records indicate you may be the registered owner. Airworthiness Directives affect aviation safety and are regulations which require immediate attention. You are cautioned that no person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of the Airworthiness Directive (reference 14 CFR part 39, subpart 39.3).

2005-14-12 Hartzell Propeller Inc.: Amendment 39-14189. Docket No. FAA-2005-21735; Directorate Identifier 2005-NE-22-AD.

### **Effective Date**

(a) This airworthiness directive (AD) becomes effective July 29, 2005.

### **Affected ADs**

(b) None.

### Applicability

(c) This AD applies to Hartzell Propeller Inc. models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 propellers installed with propeller mounting bolts, part number (P/N) B-3339. These propellers are installed on, but not limited to, the airplanes listed in the following Table 1:

### TABLE 1.—AIRPLANES THAT PROPELLERS ARE INSTALLED ON, BUT NOT LIMITED TO

ADVANCED AERO & STRUCTURES, INC. 450.
EROCOMMANDER:
680T, 680V, 681, 690, 690A, 690B, 690C, 695, 695A.
EROSPATIALE (SOCATA):
TB-31 (Non U.S. type certificated (TC'd) product).
IR TRACTOR:
AT-300, AT-301, AT-302, AT-400, AT-401, AT-402, AT-402A, AT-402B, AT-501, AT-502,
AT-502A, AT-502B, AT-503, AT-503A, AT-602, AT-802.
MERICAN AVIATION (GRUMMAN):
G-164, G-164B, G-164B-15T, G-164B-34T, G-164D.
YRES:
S-2R, S-2R-R1340, S-2R-R3S, S-2R-G1, S-2R-G5, S-2R-G6, S-2R-G10, S-2R-T6, S-2R-
T11, S-2R-T15, S-2R-T34, S-2R-T-45, S-2R-T65, S-2RHG-T65.
AE 137.
EECH (Raytheon):
(D, E)18 (C, S), (T, C)45(G, H, J), and E18S-9700 (with turbine conversions), 100, A100, A100A,
B100, 1900C, 200(T), 200C(T), B200(T), B200C(T), 300, 300LW, B300, 65-90, -A90, -A90-1, -
A90-2, -A90-4, B90, C90, C90A, E90, F90, H90, 99, 99A, A99, A99A, B99, C99, A36 and
A36TC (with turbine conversions), 34C, T34C, T34C-1.

U.S. Department of Transportation Federal Aviation Administration

CASA: C-212-CB, C-212-CC, C-212-CF-CF. CESSNA: 208, 208A, 208B, 402, 421B, 421C, 425, 441, P210N (with turbine conversions). DE HAVILLAND DH114. DE HAVILLAND CANADA: DHC-2, DHC-2 MKIII, DHC-3, DH6-1, DHC-6-100, DHC-6-200, DHC-6-300. DORNIER: 128-6, DO228-100, -101, -200, -201, -202, -212. DOUGLAS DC-3C (with turbine conversions). EMBRAER: EMB-110-P1, -P2, EMB-111, EMB-121A1, EMB-312 (Non U.S. TC'd product). ENAER T-35-TX (Non U.S. TC'd product). FAIRCHILD AIRCRAFT: SA226-AT, -T, -TB, -TC. FAIRCHILD-HILLER (PILATUS) AU-23 (Non U.S. TC'd product). FLUG & FAHRZEUGWERKE AG AS202/32TP (Non U.S. TC'd product). FUJI KM-2D (T-5) (Non U.S. TC'd product). GRUMMAN S-2 (with turbine conversions). GRUMMAN (GULFSTREAM AERO) G73 (with turbine conversions). GRUMMAN (MCKINNON) G21E, G (with turbine conversions). HAFEI AVIATION INDUSTRY CO. Y12, Y12IV (Non U.S. TC'd product). HELIO: HST-550, -550A. ICA (ROMANIA) IAR-825TP (Non U.S. TC'd product). **ISRAEL AIRCRAFT INDUSTRIES:** 101, 101B. KOREAN AEROSPACE INDUSTRIES KTX-IT (Non U.S. TC'd product). MAULE: M-7-420, MX (T)-7-420. MITSUBISHI: MU-2B, MU-2B-10, -15, -20, -25, -26, -30, -35, -36, -40, -60, MU-2B-25A, -26A, -35A, -36A. NORD 262 (FRAKES), and (NORD) Model 262(A) modified by Supplemental Type Certificate (STC) SA2369SW. NORMAN AEROPLANE: NA 6, NAC 6-65 (Non U.S. TC'd product). POLISH AVIATION (MIELEC): M-28, M-28B. PACIFIC AEROSPACE FU24(A)-950/-954. PACIFIC AEROSPACE (FLETCHER): FU-24 CRESCO 08-600, FU-24 CRESCO 08-750XL. PIAGGIO P-166 DL3. PILATUS: PC-6/A-H2, PC-6/B-H2, PC-6/B1-H2, PC-6/B2-H2, PC-6/B2-H4, PC-6/C-H2, PC-6/C1-H2, PC-7.

PIPER:

PA-31P, PA-31T, PA-31T1, PA-31T2, PA-31T3, PA-42, PA-42-720, PA-42-720R.

PROP JETS INC. 400 (Non U.S. TC'd product).	
PZL MIELEC:	
M18, M18A, M18B, M27, PZL-106BT, PZL-130TE.	
ROCKWELL OV-10.	
SCHWEIZER (GRUMMAN) G-164, G-164A and G-164B (with turbine conversions).	
SHORT BROTHERS:	21110 - CrithMile
SC7 SERIES 3, SD3-30 VARIANT 200, SD3-SHERPA VARIANT 200, SD3-60 VARIA	NT 200,
SD3-60 SHERPA VARIANT 200.	
SIAI MARCHETTI (AERMACCHI):	
F.260C, F.260D, SM-1019, SF600 CANGURO.	
VALMET L-90TP (Non U.S. TC'd product).	
VULCANAIR (PARTENAVIA):	
AP68TP-300, AP68TP-600.	7 E
WALLAROO 605 (Non U.S. TC'd product).	
WEATHERLY 620TP	

### **Unsafe Condition**

(d) This AD results from the discovery during routine propeller installation that a bolt from a certain manufacture lot did not properly absorb the installation torque. This AD also results from the discovery that other bolts of the same part number from a different certain manufacture lot had material surface pitting. We are issuing this AD to prevent propeller mounting bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane.

### Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified unless the actions have already been done.

### **Visual Inspections and Torque Checks**

(f) Perform initial visual inspection and torque check of all eight mounting flange bolts when P/N B-3339 bolts from LFC manufacturing Lot No. 12 or Lot No. 56 are present, within 50 hours time-in-service (TIS) or 12 months after the effective date of the AD, whichever occurs first. For the location of bolt identification marks, see Figure 1 of Hartzell Propeller Inc. Alert Service Bulletin (ASB) No. HC-ASB-61-279, Revision 2, dated May 6, 2005.

(g) Thereafter, for all airplanes except Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, perform repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 120 hours TIS since-last-inspection.

(h) Thereafter, for Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, perform repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 100 hours TIS since-last-inspection.

(i) If any bolt fails the torque check, replace all eight bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAA-approved equivalent part number bolts.

(j) Perform the actions specified in paragraphs (f), (g), (h), and (i) of this AD, using paragraphs 3.A through 3.B.(5) of the Accomplishment Instructions of Hartzell Propeller Inc. ASB No. HC-ASB-61-279, Revision 2, dated May 6, 2005.

### **Mandatory Terminating Action**

\*

(k) As mandatory terminating action to the repetitive visual inspections and torque checks required by this AD, replace all P/N B-3339, LFC Manufacturing Lot No. 12 and Lot No. 56 bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAA-approved equivalent part number bolts, within 12 months after the effective date of this AD. Use paragraph 3.C of Accomplishment Instructions of Hartzell Propeller Inc. ASB No. HC-ASB-61-279, Revision 2, dated May 6, 2005, to do the bolt replacement.

### **Alternative Methods of Compliance**

(1) The Manager, Chicago Aircraft Certification Office, has the authority to approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

### **Related Information**

(m) AD 2004-21-01, Amendment 39-13822 (69 FR 60952) also pertains to the subject of this AD.

### **Material Incorporated by Reference**

(n) You must use Hartzell Propeller Inc. Alert Service Bulletin No. HC-ASB-61-279, and Alert Service Bulletin Appendix No. HC-ASBA-61-279, Revision 2, dated May 6, 2005, to perform the initial and repetitive visual inspections, torque checks, and bolt replacements required by this AD. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Hartzell Propeller Inc. Technical Publications Department, One Propeller Place, Piqua, OH 45356; telephone (937) 778-4200; fax (937) 778-4391, for a copy of this service information.

You may review copies at the Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-0001, on the internet at http://dms.dot.gov, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: *http://www.archives.gov/federal\_register/code\_of\_federal\_regulations/ibr\_locations.html*.

Issued in Burlington, Massachusetts, on July 6, 2005. Francis A. Favara, Acting Manager, Engine and Propeller Directorate, Aircraft Certification Service. [FR Doc. 05-13733 Filed 7-13-05; 8:45 am] BILLING CODE 4910-13-P













**DELIVER TO:** 

3

GALAXY AEROSPACE (M) SDN. BHD. CAMO DEPARTMENT Lot 11, MRO Centre, Malaysia International Aerospace Centre, Sultan Abdul Aziz Shah Airport, 47200 Subang, Selangor Malaysia. Attn : Zaty Nadhira binti Mohamed Zuhari



DN NUMBER: GAM/DN/23/PTE-061 OUR REFERENCE: 2023-15843 WO REFERENCE: 9M-PTE-15843 DATE COMPLETION: 12 JUNE 2023 AJL NUMBER: 004443

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GALAXY AEROSPACE (M) SDN. BHD. [1040262-D]

Suite 11-14, Helicopter Centre, Malaysia International Aerospace Centre, Sultan Abdul Aziz Shah Airport, 47200 Subang, Selangor, Malaysia. Tel: +603 7734 7226 | Fax: +603 7734 7526 www.galaxyaerospace.my | enquiry@galaxyaerospace.my

### WORK ORDER



To:	GALAXY	AEROSPACE	(M)	) SDN. BHD.	
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Address:	Lot 11-14, MRO Centre, Malaysia	Work Order Number:	2023-15843			
	International Aerospace Centre, SAAS Airport, Subang	Work Pack Reference:	9M-PTE-15843			
	Malaysia	Date Issued:	25/05/2023			
Attention:	Mr. Syafrul Yamani Engineering Manager	A/C Registration / SN:	9M-PTE/FL-683			
	syafrul@galaxyaerospace.my	Sheet:	1 OF 1			

Descriptio	29 1
Descriptio	11.

Item	Description/Task/Inspection	Reference	Man Hours
1	PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT, FAA AD NO. 2005-14-12, NEW ISSUE COMPLIANCE	FAA AD 2005-14-12	(PLEASE ADVISE)

#### Remark/Notes:

1. State this Work Order reference on your Work Package. Should there is any additional job/defect (unless specified in the work package) the maintenance organization must notify GAM Continuing Airworthiness Manager prior to proceed with rectification.

2. Work must be carried out in accordance with approved data and perform by qualified personnel/ approved LAE from the maintenance organization.

3. Parts used must be written in Parts Report Form and accompanied by ARC, Serviceable Label or equivalent document.

4. Test report, parameter reading or any supporting data must be attached with the worksheet if applicable.

5. The maintenance organization shall be responsible for any damages made on the aircraft/ components during maintenance.

6. Softcopy of completed Work Package shall be submitted or as mutual agreed and GAM Continuing Airworthiness Manager must be informed once the aircraft is Release to Service.

7. Completed Work Package (original) must be submitted to GAM Continuing Airworthiness Manager office within 3 days of date of completion.

I hereby declare that an approved and up to date maintenance data has been referred for the issuance of this work order.

Thank you. Best Regards,

Zaty Nadhira Mohamed Zuhari Continuing Airworthiness Management Manager Email: zaty@galaxyaerospace.my

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PART M - CAMO ACCEPTANCE STATEMENT THIS IS TO CERTIFY THAT THE ABOVE MENTIONED WORK PACKAGE HAS BEEN REVIEWED, CHECKED FOR COMPLETION AND UPDATED IN THE MAINTENANCE SOFTWARE. CAMO Planner Galaxy Aerospace (M) Sdn Bhd (1040262-D)





GALAXY AEROSPACE (M) SDN. BHD. [1040262-D] Suite 11-14, Helicopter Center, Malleyala International Aerospace Center, Suiten Abtul Agtz Shah Arport, 47200 Sobarg, Solargor, Malaysia, Tot. +603 (755-726) [Fax: +602.1754-1256 www.galaxyaerospace.mv] enguarysi galaxyaerospace.mv

## WORKSHEET

POLICE AIRCRAFT TYPE:       AIRCRAFT       FL-883       REFER WORKPACK       WORK/INSP/DESC: AL WORK/INSP/DESC: AL WORKPACK REF:         AIRCRAFT TYPE:       #1 ENGINE:       PCE-PK1187       REFER WORKPACK       AIRCRAFT       FL-883         BASE/FACILITY:       WMSA       #1 ENGINE:       PCE-PK1187       REFER WORKPACK       AIRCRAFT       FL-883         BASE/FACILITY:       WMSA       #2 ENGINE:       PCE-PK1187       REFER WORKPACK       AIRCRAFT       FL-883         BASE/FACILITY:       WMSA       #2 ENGINE:       PCE-PK1187       REFER WORKPACK       AIRCRAFT       FL-883         BASE/FACILITY:       WMSA       #2 ENGINE:       PCE-PK1187       REFER WORKPACK       AIRCRAFT       FL-883         BASE/FACILITY:       WMSA       #2 ENGINE:       PCE-PK1188       REFER WORKPACK       AIRCRAFT       FL-883         BASE/FACILITY:       WMSA       #2 ENGINE:       PCE-PK1188       REFER WORKPACK       AIRCRAFT       FL-803       AIRCRAFT       T       PRIVE       AIRCRAFT       FL-803       AIRCRAFT       FL-804	POLICE MARTTYPE       AIRCRAFT       FL-683       REFER WORKPACK       WORK/INSP/DESC:       AD 2005-14-12         STRATION:       MAPTE       #1 ENGINE:       POE-PK1197       REFER WORKPACK       WORK/INSP/DESC:       AD 2005-14-12         STRATION:       MAPTE       #2 ENGINE:       POE-PK1197       REFER WORKPACK       AJL REF NO.:       REFER WORKPACK         STRATION:       MMSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005       Raised by and date: CAMO; Nurul Huma 28/05/2023       Other requirements/information: NOT APPLICABLE         m       Description       Technician       * Eng. CRS       Date MOUNTING BOLTS         PHYSICAL INSPECTION TO BE CARRIED OUT TO VERIFY IF AIRCRAFT IS FITTED WITH PROPELLERS MOUNTING BOLTS PART NUMBER B-3339.       Technician       * Eng. CRS       Date MOUNTING BOLTS         NOTE: TO ATTACH PICTURE OR ANY RELATED INFORMATION OF PROPELLERS MOUNTING BOLTS PART NUMBER B-3339.       NOTE: IF THE BOLT HEADS CANNOT BE EASILY ACCESSED TO ALLOW VISUAL INSPECTION, PERFORM THE TORQUE INSPECTION BEFORE REMOVING THE BOLTS TO ALLOW VISUAL INSPECTION OF BOLT MARKINGS.       STRAT AFFERENCE: I. FAA AD NO. 2005-14-12 LOT 56       STRAT REFERENCE: I. FAA AD NO. 2005-14-12 LOT 56       STRAT NUMBER B-3339.       STRAT NOTE: IF THE BOLT HEADS CANNOT BE EASILY ACCESSED TO ALLOW VISUAL INSPECTION OF BOLT MARKINGS.       STRAT AFFECTED SOURCE CODE: LFC       STRAT AFFECTED SOURCE CODE: LFC       STRAT NUMER       STRAT APPOUNDING HAD TO	POLICE CRAFT TYPE:POLICE I ENGINEAIRCRAFTFL-883REFER WORKPACKWORKPACKWORKPACKWORKPACK WORKPACKWORKPACK REF: WORKPACK REF: MAPTE-1683AJL REF NO: MAPTE-1683WORKPACK REF: MAPTE-1683WORKPACK REF: MAPTE-1683WORKPACK REF: MAPTE-1683WORKPACK MAPTE-1683AJL REF NO: MORKPACKWORKPACK REF: MAPTE-1683WORKPACK <th>IRCRAFT T EGISTRATI</th> <th></th> <th></th> <th>OFDIAL N</th> <th></th> <th>100</th> <th>VOVOLE</th> <th></th> <th>WORKSH</th> <th>EET NO:</th> <th>100 40</th> <th>004</th> <th></th>	IRCRAFT T EGISTRATI			OFDIAL N		100	VOVOLE		WORKSH	EET NO:	100 40	004	
INECRAFT TYPE:       B300 (SKA350)       II ENGINE       PCE-PK1197       REFER WORKPACK       WORKPACK         IEGISTRATION:       WMPTE       II ENGINE       PCE-PK1197       REFER WORKPACK       AJL REF NO.:       RI         IEGISTRATION:       WMPTE       II ENGINE       PCE-PK1197       REFER WORKPACK       MIL NF / N2       AJL REF NO.:       RI         AXTE IN: REFER WORKPACK       ING / N1       NF / N2       NG / N1       NF / N2       SHEET:       1         Passon for raising:       PCE-PK1198       REFER WORKPACK       NG / N1       NF / N2       SHEET:       1         Passon for raising:       PVSIOL       NG / N1       NF / N2       NG / N1       NF / N2       SHEET:       1         Passon for raising:       PVSIOL       NG / N1       NG / N1       NG / N1       NOT APPI         ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005       DEscription       Technician       * Eng         1       FAA AD NO. 2005-14-12 - PROPELLERS MOUNTING BOLTS       PHYSICAL INSPECTION TO BE CARRIED OUT TO VERIFY IF AIRCRAFT IS FITTED WITH PROPELLERS       NOTE: TO ATACH PICTURE OR ANY RELATED INFORMATION OF PROPELLERS MOUNTING BOLTS         PART NUMBER B-3339.       NOTE: IF THE BOLT HEADS CANNOT BE EASILY ACCESSED TO ALLOW VISUAL INSPECTION, PERFORME THE TORQUE INSPECTION BEFORE REMOVING THE BOLTS TO ALLOW VISUAL INSPECTION	RAFT TYPE: BOD (SIGAS0) STRATION: STRATION: STRATION: STRATION: STRATION: 	CRAFT TYPE: B300 (RK-380) BITATION: WAPTE: at ENGINE:ITENCINE:POE-PK1187REFER WORKPACK: ALL REF NO:: REFER WORKPACKALL REF NO:: REFER WORKPACKat ENGINE:POE-PK1188REFER WORKPACKALL REF NO:: REFER WORKPACKALL REF NO:: REFER WORKPACKBEFAOLITY:WISA $a2$ ENGINE:POE-PK1188REFER WORKPACKALL REF NO:: REFER WORKPACKSen for railing: WISICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN CORDANCE WITH ADA 2006:1-1-12 DATED JUL-14-2005: LATER APPROVED REVISIONS.DescriptionTechnician*Eng. CRSDateattPHYSICAL INSPECTION TO BE CARRIED OUT TO VERIFY IF AIRCRAFT IS FITTED WITH PROPELLERS MOUNTING BOLTS PART NUMBER B-3538.DescriptionTechnician*Eng. CRSDateNOTE: TO ATTACH PICTURE OR ANY RELATED INFORMATION OF PROPELLERS MOUNTING BOLTS PART NUMBER B-3538.DescriptionTechnician*Eng. CRSDateNOTE: TO ATTACH PICTURE OR ANY RELATED INFORMATION OF PROPELLERS MOUNTING BOLTS PART NUMBER B-3538.NOTE: TO ATTACH PICTURE OR ANY RELATED INFORMATION OF PROPELLERS MOUNTING BOLTS PART NUMBER B-3538.Technician*Eng. CRSDateNOTE: TO ATTACH PICTURE OR ANY RELATED INFORMATION OF PROPELLERS MOUNTING BOLTS PART NUMBER B-3538.MOUNTING BOLTS PART NUMBER B-3538.Technician*Eng. CRSDateNOTE: TO ATTACH PICTURE OR ANY RELATED INFORMATION OF PROPELLERS MOUNTING BOLTS PART NUMBER B-3538.To ALLOW VISUAL INSPECTION, PERFORM THE TORQUE INSPECTION DE CARPIEL OT 12 LOT 56SB-33SB-33SB-33REFERENCE: I, FAA DNO. 2005-14-12 L. CASB-GO I- 27-719VANIS	EGISTRATI		1000000000	Structure and structure					11 - 7739-8 EXLISION COURSE (18				12
EGISTRATION: WINSA       #2 ENGINE:       PCE-PK1188       REFER WORKPACK       AJL REF NO:: RISHER:         ATE IN: REFER WORKPACK       #2 ENGINE:       PCE-PK1188       REFER WORKPACK       AJL REF NO:: RISHER:         MasterAct LITY:       WINSA       #2 ENGINE:       PCE-PK1188       REFER WORKPACK       AJL REF NO:: RISHER:         MasterAct LITY:       WINSA       #2 ENGINE:       PCE-PK1188       REFER WORKPACK       AJL REF NO:: RISHER:         MasterAct LITY:       WINSA       If 2 ENGINE:       PCE-PK1188       REFER WORKPACK       AJL REF NO:: RISHER:         VCCORDANCE WITH FAA AD 2006-14-12 DATED JUL-14-2005       REFERENCE:       1       PAA AD NO. 2006-14-12 DATED JUL-14-2005       Other requirements/infor NOT APPI         VCCORDANCE WITH FAA AD 2006-14-12 DATED JUL-14-2005       Description       Technician       * Eng.         1       FAA AD NO. 2005-14-12 - PROPELLERS MOUNTING BOLTS       MOUNTING BOLTS PART NUMBER B-3339.       Technician       * Eng.         NOTE: TO ATTACH PICTURE OR ANY RELATED INFORMATION OF PROPELLERS MOUNTING BOLTS       PART NUMBER B-3339.       NOTE: IF THE BOLT HEADS CANNOT BE EASILY ACCESSED TO ALLOW VISUAL INSPECTION, PERFORM THE TORQUE INSPECTION BEFORE REMOVING THE BOLTS TO ALLOW VISUAL INSPECTION, PERFORM THE TORQUE INSPECTION NEFORE REMOVING THE BOLTS TO ALLOW VISUAL INSPECTION, PERFORM THE TORQUE INSPECTION NOT SE       SB28       SB28         AFFECTED SOURCE CODE	SITALION:       WMRA       #2 ENGINE       PCE-PK1188       REFER WORKPACK       AJL REF NO.:       REFER WORKPACK         IN: RETER WORKPACE OUT: REFER WORKPACK       NG / N1       NF / N2       SHEET:       1       0F       2         IN: RETER WORKPACE OUT: REFER WORKPACK       NG / N1       NF / N2       Plaised by and data       SHEET:       1       0F       2         IN: RETER WORKPOWED REVISIONS.       Pailed by and data       2       Other requirements information:       NOT APPLICABLE       NOT E: FTHE BOLT HEAD CANNOT BE CARRIED OUT TO VERIFY IF AIRCRAFT IS FITTED WITH PROPELLERS       NOTE: IF THE BOLT HEAD CANNOT BE CARRIED OUT TO VERIFY IF AIRCRAFT IS FITTED WITH PROPELLERS       NOTE: IF THE BOLT HEAD CANNOT BE CARRIED OLT OV VERIFY IF AIRCRAFT IS FITTED WITH PROPELLERS       NOTE: TO ATTACH PICTURE OR ANY RELATED INFORMATION OF PROPELLERS MOUNTING BOLTS       PART NUMBER B-3339.       NOTE: IF THE BOLT HEAD CANNOT BE CARRIED INFORMATION OF PROPELLERS MOUNTING BOLTS       PART NUMBER B-3339.       NOTE: IF THE BOLT HEAD CANNOT BE EASILY ACCESSED TO ALLOW VISUAL INSPECTION, PERFORM THE TORQUE INSPECTION BEFORE REMOVING THE BOLTS TO ALLOW VISUAL INSPECTION, PERFORM THE TORQUE INSPECTON DEFORE REMOVING THE BOLTS TO ALLOW VISUAL INSPECTION, PERFORM THE TORQUE INSPECTON TO THE SO URSPECT CON DEFORE REMOVING THE BOLT MARRINGS.       B330	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$									100000000000000000000000000000000000000			2020/301-0	A770
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eason for raising:       Paised by and date:       CAMO; Nurul Husna         CANO; Nurul Husna       Zainol Abidin       2605/2023         VHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN (CCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005       Technician       * Eng.         Item       Description       Technician       * Eng.         1       FAA AD NO. 2005-14-12 - PROPELLERS MOUNTING BOLTS       Technician       * Eng.         1       FAA AD NO. 2005-14-12 - PROPELLERS MOUNTING BOLTS       Technician       * Eng.         1       FAA AD NO. 2005-14-12 - PROPELLERS MOUNTING BOLTS       Technician       * Eng.         PHYSICAL INSPECTION TO BE CARRIED OUT TO VERIFY IF AIRCRAFT IS FITTED WITH PROPELLERS MOUNTING BOLTS PART NUMBER B-3339.       NOTE: TO ATTACH PICTURE OR ANY RELATED INFORMATION OF PROPELLERS MOUNTING BOLTS         PART NUMBER B-3339.       NOTE: IF THE BOLT HEADS CANNOT BE EASILY ACCESSED TO ALLOW VISUAL INSPECTION, PERFORM THE TORQUE INSPECTION BEFORE REMOVING THE BOLTS TO ALLOW VISUAL INSPECTION, PERFORM THE TORQUE INSPECTION BEFORE REMOVING THE BOLTS TO ALLOW VISUAL INSPECTION, PERFORM THE TORQUE INSPECTION NOT APPI         LOT 56       REFERENCE: 1. FAA AD NO. 2006-14-12       2. HC-ASB-61-279         REMARKS: PHYSICAL INSPECTION CARRIED OUT APPI VAVISION H AND POUND HUST EPFECTED TO THE SOURCE COPE *       MOT EPFECTED TO THE SOURCE COPE *         NOT       ITEM       PROPELLER       SOURCE CODE *         N	Information:       Provelues Mounting Bolt to be CARRY OUT IN       Raised by and date:       Other requirements/information:       NOT APPLICABLE         SIGAL INSPECTION OF PROPELLERS MOUNTING BOLT to be CARRY OUT IN       Zalion Abding       Zalion Abding       Other requirements/information:       NOT APPLICABLE         Im       Description       Technician       * Eng. CRS       Date         PHYSICAL INSPECTION TO BE CARRIED OUT TO VERIFY IF AIRCRAFT IS FITTED WITH PROPELLERS       Technician       * Eng. CRS       Date         Im       Description       Technician       * Eng. CRS       Date         PHYSICAL INSPECTION TO BE CARRIED OUT TO VERIFY IF AIRCRAFT IS FITTED WITH PROPELLERS       MOUNTING BOLTS PART NUMBER 5:3338.       Date         NOTE: IF THE BOLT HEADS CANNOT BE EASILY ACCESSED TO ALLOW VISUAL INSPECTION, PERFORM THE TORQUE INSPECTION BEFORE REMOVING THE BOLTS TO ALLOW VISUAL INSPECTION, PERFORM THE TORQUE INSPECTION BEFORE REMOVING THE BOLTS TO ALLOW VISUAL INSPECTION, PERFORM THE TORQUE INSPECTION DEFORE REMOVING THE BOLTS TO ALLOW VISUAL INSPECTION, PERFORM THE TORQUE INSPECTION DEFORE REMOVING THE BOLTS TO ALLOW VISUAL INSPECTION, PERFORMENTICS.       BASE         REMARKS: PHYSICAL INSPECTIO NO CAR PLIED OUT AS PERE ASS       BASE       BASE         H& 2 HO- HC- ASE - OI- P FF REVELIED OUT AS PERE ASS       FREE       BASE       BASE         H& 2 HO- HC- MANUFACTURING LOT NUMBER       SOURCE CODE       If MOUNTING BOLTS       AAT NUMBER       SOURCE CODE	Same for ratising: Second for ratising: NOT APPLICABLERS MOUNTING BOLT TO BE CARRY OUT IN Second AND Second	ATTEN IN IN COMMENT			Sine: FOEFRI	100 NEFER 1	1	2 	1.10	SHEET 1 OF				
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HC-ASB-61-279REMARKS: PHYSICAL INSPECTION CARLER OUT AS PER ASB HARZTJELL HO. 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HC-ABS-61-279REMARKS: PINS(CAL INSPECTION CAR, PLECO OUT AS PER ASB HDRIZZELL HO. 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	3       MOUNTING BOLTS       L/H       B-3339       M SA       034         4       MOUNTING BOLTS       L/H       B-3339       M SA       034         5       MOUNTING BOLTS       L/H       B-3339       M SA       034	3       MOUNTING BOLTS       L/H       B-3339       MSA       034         4       MOUNTING BOLTS       L/H       B-3339       MSA       034         5       MOUNTING BOLTS       L/H       B-3339       MSA       034         6       MOUNTING BOLTS       L/H       B-2339       MSA       034	NO.	WT EFFECTE	D TO THE PROPELLER POSITION (LH/RH)	PART NUMBI	E COPE	RCE CODE	MFG LOT I	NUMBER	0	(	Filar		3032
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3 MOUNTING BOLTS L/H B-3339 MSA 034	5 MOUNTING BOLTS L/4) B-3339 WSA 034	5         MOUNTING BOLTS         L/1         B-3339         MSA         034           6         MOUNTING BOLTS         L/1         B-2339         MSA         034	Г NO. 1	WT EFFECTE	PROPELLER POSITION (LH/RH)	PART NUMBI	E COPE	RCE CODE	MFG LOT I	NUMBER	0	(	- Ara,	2 / R1	3032
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## WORKSHEET

R: ROYAL MALAYSIA POLICE POLICE 94: 9M-PTE 95: WMSA PORKPACK OUT: REFER WORKPACE 97: WMSA PECTION OF PROPELLERS WITH FAA AD 2005-14-12 D PROVED REVISIONS. 97: WITH FA	AIRCRA #1 ENG #2 ENG #2 ENG #2 ENG #4 ENG #2 ENG #2 ENG #2 ENG #2 ENG #2 ENG #2 ENG #2 ENG #4 ENG #2 ENG #4	AFT FL-683 GINE: PCE-PK1187 GINE: PCE-PK1188 GINE: PCE-PK1188 GINE: PCE-PK1188 GINE: PCE-PK1188 GINE: PCE-PK1188 GINE: PCE-PK1188 GINE: PCE-PK1188 GINE: PCE-PK1187 GINE: PCE-PK1188 GINE: PCE-PK19 GINE: PCE-PK19 GINE	REFER WORKPACH REFER WORKPACH NG / N Raised UT IN Za AFT IS FITTED WITH	K K I1 NF / N2 d by and date: D; Nurul Husna ainol Abidin 26/05/2023 I PROPELLERS	WORKSHEET WORK/INSP/I WORKPACK I AJL REF NO.: SHEET: Other requiren	DESC: AD 20 REF: 9M-P REFE 2	005-14-1: TE-1584: R WORI OF 2 ation: ABLE	3 KPACK
E: B300 (SKA350) : 9M-PTE : WMSA : WMSA : WMSA : ORKPACK OUT: REFER WORKPAC sing: PECTION OF PROPELLERS WITH FAA AD 2005-14-12 D PROVED REVISIONS. AD NO. 2005-14-12 - PROPE SICAL INSPECTION TO BE ( NTING BOLTS PART NUMB E: TO ATTACH PICTURE OF : NUMBER B-3339. E: IF THE BOLT HEADS CAN : ORM THE TORQUE INSPEC ECTION OF BOLT MARKING	#1 ENG #2 ENG #2 ENG #2 ENG #4 ENG #2 ENG #4 ENG #4 ENG #2	BINE: PCE-PK1187 BINE: PCE-PK1188 BOLT TO BE CARRY OU 14-2005 Description UNTING BOLTS UT TO VERIFY IF AIRCRA TED INFORMATION OF P SILY ACCESSED TO ALL	REFER WORKPACH REFER WORKPACH NG / N Raised CAMO Z2 2 AFT IS FITTED WITH	K K I1 NF / N2 d by and date: D; Nurul Husna ainol Abidin 26/05/2023 I PROPELLERS	WORKPACK I AJL REF NO. SHEET: Other requiren	REF: 9M-P REFE 2 nents/informa NOT APPLIC,	TE-1584 R WOR OF 2 ation: ABLE	3 KPACK
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PR ITEM P	PROPELLER POSITION (LH/RH)	PART NUMBER	SOURCE CODE		]			
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AF	2. HC-ASB-6 RKS: PHYSICA TZELL ASE ND NOT ITEM	2. HC-ASB-61-279 RKS: PHYSICAL INSPEC TZELL ASB NO, HC ND NUT EFFECTE ITEM PROPELLER POSITION (LH/RH)	2. HC-ASB-61-279 RKS: PHYSICAL INSPECTION CARPIE TZELL ASB NO, HC-ASB-61-276 ND NOT EFFECTED TO THE SC ITEM PROPELLER POSITION PART NUMBER (LH/RH) PART NUMBER	2. HC-ASB-61-279 RKS: PHYSICAL INSPECTION CARRIED OUT A: TZELL ASB NO, HC-ASB-61-279 REVISION OND NOT EFFECTED TO THE SOURCE DO ITEM PROPELLER PROPELLER POSITION PART NUMBER SOURCE CODE	2. HC-ASB-61-279 RKS: PHYSICAL INSPECTION CARRIED OUT AS PER TZELL ASB NO, HC-ASB-GI-279 REVISION 4 AND OND NOT EFFECTED TO THE SOURCE DODE. ITEM PROPELLER PART NUMBER SOURCE CODE MFG LOT NUMBER	2. HCASB-61-279 RKS: PHYSICAL INSPECTION CARLED OUT AS PER TZELL ASB NO. HC-ASB-GI-279 REVISION 4 AND OND NOT EFFECTED TO THE SOURCE DODE. ITEM PROPELLER POSITION PART NUMBER SOURCE CODE MFG LOT NUMBER	2. HC-ASB-61-279 RKS: PHYSICAL INSPECTION CARLIED OUT AS PER TZELL ASB NO, HC-ASB-61-279 REVISION 4 AND OND NOT EFFECTED TO THE SOURCE DODE. ITEM PROPELLER PROPELLER PART NUMBER SOURCE CODE MFG LOT NUMBER	2. HC-ASB-61-279 RKS: PHYSICAL INSPECTION CARRIED OUT AS PER TZELL ASB ND, HC-ASB-GI-279 REVISION 4 AND OND NOT EFFECTED TO THE SOURCE DODE. ITEM PROPELLER POSITION PART NUMBER SOURCE CODE MFG LOT NUMBER



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# PARTS REPORT

CLIEN	T/OWNEF		L MALAYSIA					AL NO.	HOU	a new parts	a una series	G/CY(	CLE				EET NO:	1584		
AIRCR	AFT TYPI	POLICI E: B300 (\$			Alf	RCRAFT		-683	REF	ER WC	RKPAC	К			WO	RK/IN	SP/DESC:	AD 2	005-14-12	
		9M-PT			#1	ENGINE:	PCE-I	PK1187	REF	ER WC	RKPAC	К			WO	RKPA(	CK REF:	9M-P	TE-15843	
		WMSA			#2	ENGINE:	PCE-F	PK1188	REF	ER WC	RKPAC	К			AJL.	REF N	10.:	REFE	ER WORKF	PACK
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[Federal Register: July 14, 2005 (Volume 70, Number 134)] [Rules and Regulations] [Page 40656-40660] From the Federal Register Online via GPO Access [wais.access.gpo.gov] [DOCID:fr14jy05-3]

## DEPARTMENT OF TRANSPORTATION

**Federal Aviation Administration** 

14 CFR Part 39

[Docket No. FAA-2005-21735; Directorate Identifier 2005-NE-22-AD; Amendment 39-14189; AD 2005-14-12]

## **RIN 2120-AA64**

Airworthiness Directives; Hartzell Propeller Inc. Models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 Propellers

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule; request for comments.

**SUMMARY:** The FAA is adopting a new airworthiness directive (AD) for Hartzell Propeller Inc. models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 propellers, installed with propeller mounting bolts, part number (P/N) B-3339. This AD requires initial and repetitive visual inspections and torque checks of certain manufacture lot numbers of propeller mounting bolts, P/N B-3339, and eventual removal from service of those bolts. This AD results from the discovery during routine propeller installation that a bolt from a certain manufacture lot did not properly absorb the installation torque. This AD also results from the discovery that other bolts of the same part number from a different manufacture lot had material surface pitting. We are issuing this AD to prevent propeller attaching bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane.

**DATES:** This AD becomes effective July 29, 2005. The Director of the Federal Register approved the incorporation by reference of certain publications listed in the regulations as of July 29, 2005.

We must receive any comments on this AD by September 12, 2005.

ADDRESSES: Use one of the following addresses to comment on this AD:

• DOT Docket Web site: Go to *http://dms.dot.gov* and follow the instructions for sending your comments electronically.

• Government-wide rulemaking Web site: Go to *http://www.regulations.gov* and follow the instructions for sending your comments electronically.

• Mail: Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-0001.

• Fax: (202) 493-2251.

• Hand Delivery: Room PL-401 on the plaza level of the Nassif Building, 400 Seventh Street,

SW., Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. Contact Hartzell Propeller Inc. Technical Publications Department, One Propeller Place, Piqua,

OH 45356; telephone (937) 778-4200; fax (937) 778-4391, for the service information referenced in this AD.

**FOR FURTHER INFORMATION CONTACT:** Tim Smyth, Aerospace Engineer, Chicago Aircraft Certification Office, FAA, Small Airplane Directorate, 2300 East Devon Avenue, Des Plaines, IL 60018; telephone: (847) 294-7132; fax: (847) 294-7834.

**SUPPLEMENTARY INFORMATION:** Hartzell Propeller Inc. has informed us that recently during routine installation of a steel hub propeller, one of the propeller mounting bolts, P/N B-3339, did not properly absorb the installation torque. The suspect bolt was removed and examined. Hartzell Propeller Inc., found that the bolt does not have the proper material hardness as specified by the propeller type design requirements. That bolt was identified as part of LFC Manufacturing Lot No. 56. Hartzell Propeller Inc., examined their inventory of bolts and found two other Lot No. 56 bolts also below proper material hardness. During this investigation, Hartzell Propeller Inc. also discovered a quantity of bolts, P/N B-3339, from LFC Manufacturing Lot No. 12, with material surface pitting underneath the anti-corrosion coating. These pitted bolts also do not meet the propeller type design requirements. This condition, if not corrected, could result in propeller mounting bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane.

### **Relevant Service Information**

We have reviewed and approved the technical contents of Hartzell Propeller Inc. Alert Service Bulletin (ASB) No. HC-ASB-61-279, Revision 2, dated May 6, 2005, that describes procedures to visually inspect, torque check, and replace the affected bolts.

## FAA's Determination and Requirements of This AD

The unsafe condition described previously is likely to exist or develop on other Hartzell Propeller Inc. models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 propellers of the same type design, installed with propeller mounting bolts, P/N B-3339. For that reason, we are issuing this AD to prevent propeller mounting bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane. This AD requires:

• Initial visual inspection and torque check of all eight mounting flange bolts when P/N B-3339 bolts from LFC manufacturing Lot No. 12 or Lot No. 56 are present, within 50 hours time-in-service (TIS) or 12 months after the effective date of the AD, whichever occurs first; and

• Thereafter, for all airplanes except Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 120 hours TIS since-last-inspection; and

• Thereafter, for Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 100 hours TIS since-last-inspection; and

• If any bolt fails the torque check, replacement of all eight bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAA-approved equivalent part number bolts.

• As mandatory terminating action to the repetitive visual inspections and torque checks required by this AD, replacement of all P/N B-3339, LFC Manufacturing Lot No. 12 and Lot No. 56 bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAAapproved equivalent part number bolts, within 12 months after the effective date of this AD.

You must use the service information described previously to perform the visual inspections, torque checks, and bolt replacements required by this AD.

#### FAA's Determination of the Effective Date

Since an unsafe condition exists that requires the immediate adoption of this AD, we have found that notice and opportunity for public comment before issuing this AD are impracticable, and that good cause exists for making this amendment effective in less than 30 days.

#### **Comments Invited**

This AD is a final rule that involves requirements affecting flight safety and was not preceded by notice and an opportunity for public comment; however, we invite you to send us any written relevant data, views, or arguments regarding this AD. Send your comments to an address listed under ADDRESSES. Include "AD Docket No. FAA-2005-21735; Directorate Identifier 2005-NE-22-AD" in the subject line of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of the rule that might suggest a need to modify it.

We will post all comments we receive, without change, to *http://dms.dot.gov*, including any personal information you provide. We will also post a report summarizing each substantive verbal contact with FAA personnel concerning this AD. Using the search function of the Docket Management System (DMS) Web site, anyone can find and read the comments in any of our dockets, including the name of the individual who sent the comment (or signed the comment on behalf of an association, business, labor union, etc.). You may review the DOT's complete Privacy Act Statement in the Federal Register published on April 11, 2000 (65 FR 19477-78) or you may visit *http://dms.dot.gov*.

#### **Examining the AD Docket**

You may examine the docket that contains the AD, any comments received, and any final disposition in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The Docket Management Facility (telephone (800) 647-5227) is located on the plaza level of the Department of Transportation Nassif Building at the street address stated in ADDRESSES. Comments will be available in the AD docket shortly after the facility receives them.

## Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, Section 106, describes the authority of the FAA Administrator. Subtitle VII, Aviation Programs, describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701, "General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

## **Regulatory Findings**

We have determined that this AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national Government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that the regulation:

1. Is not a "significant regulatory action" under Executive Order 12866;

2. Is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and

3. Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

We prepared a summary of the costs to comply with this AD and placed it in the AD Docket. You may get a copy of this summary at the address listed under ADDRESSES.

## List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

## Adoption of the Amendment

Under the authority delegated to me by the Administrator, the Federal Aviation Administration amends part 39 of the Federal Aviation Regulations (14 CFR part 39) as follows:

## **PART 39–AIRWORTHINESS DIRECTIVES**

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

## § 39.13 [Amended]

2. The FAA amends § 39.13 by adding the following new airworthiness directive:

## **AIRWORTHINESS DIRECTIVE**



U.S. Department of Transportation

Federal Aviation Administration

Aircraft Certification Service

We post ADs on the internet at "www.faa.gov"

The following Airworthiness Directive issued by the Federal Aviation Administration in accordance with the provisions of Title 14 of the Code of Federal Regulations (14 CFR) part 39, applies to an aircraft model of which our records indicate you may be the registered owner. Airworthiness Directives affect aviation safety and are regulations which require immediate attention. You are cautioned that no person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of the Airworthiness Directive (reference 14 CFR part 39, subpart 39.3).

2005-14-12 Hartzell Propeller Inc.: Amendment 39-14189. Docket No. FAA-2005-21735; Directorate Identifier 2005-NE-22-AD.

## **Effective Date**

Washington, DC

(a) This airworthiness directive (AD) becomes effective July 29, 2005.

## Affected ADs

(b) None.

## Applicability

(c) This AD applies to Hartzell Propeller Inc. models HC-B3TN-2, HC-B3TN-3, HC-B3TN-5, HC-B3MN-3, HC-B4TN-3, HC-B4TN-5, HC-B4MN-5, HC-B4MP-3, HC-B4MP-5, and HC-B5MP-3 propellers installed with propeller mounting bolts, part number (P/N) B-3339. These propellers are installed on, but not limited to, the airplanes listed in the following Table 1:

## TABLE 1.—AIRPLANES THAT PROPELLERS ARE INSTALLED ON, BUT NOT LIMITED TO

10
ADVANCED AERO & STRUCTURES, INC. 450.
AEROCOMMANDER:
680T, 680V, 681, 690, 690A, 690B, 690C, 695, 695A.
AEROSPATIALE (SOCATA):
TB-31 (Non U.S. type certificated (TC'd) product).
AIR TRACTOR:
AT-300, AT-301, AT-302, AT-400, AT-401, AT-402, AT-402A, AT-402B, AT-501, AT-502
AT-502A, AT-502B, AT-503, AT-503A, AT-602, AT-802.
AMERICAN AVIATION (GRUMMAN):
G-164, G-164B, G-164B-15T, G-164B-34T, G-164D.
AYRES:
S-2R, S-2R-R1340, S-2R-R3S, S-2R-G1, S-2R-G5, S-2R-G6, S-2R-G10, S-2R-T6, S-2R-
T11, S-2R-T15, S-2R-T34, S-2R-T-45, S-2R-T65, S-2RHG-T65.
BAE 137.
BEECH (Raytheon):
(D, E)18 (C, S), (T, C)45(G, H, J), and E18S-9700 (with turbine conversions), 100, A100, A100A
B100, 1900C, 200(T), 200C(T), B200(T), B200C(T), 300, 300LW, B300, 65-90, -A90, -A90-1,
A90-2, -A90-4, B90, C90, C90A, E90, F90, H90, 99, 99A, A99, A99A, B99, C99, A36 and
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A36TC (with turbine conversions), 34C, T34C, T34C-1.

CASA: C-212-CB, C-212-CC, C-212-CF-CF. CESSNA: 208, 208A, 208B, 402, 421B, 421C, 425, 441, P210N (with turbine conversions). DE HAVILLAND DH114. DE HAVILLAND CANADA: DHC-2, DHC-2 MKIII, DHC-3, DH6-1, DHC-6-100, DHC-6-200, DHC-6-300. DORNIER: 128-6, DO228-100, -101, -200, -201, -202, -212. DOUGLAS DC-3C (with turbine conversions). EMBRAER: EMB-110-P1, -P2, EMB-111, EMB-121A1, EMB-312 (Non U.S. TC'd product). ENAER T-35-TX (Non U.S. TC'd product). FAIRCHILD AIRCRAFT: SA226-AT, -T, -TB, -TC. FAIRCHILD-HILLER (PILATUS) AU-23 (Non U.S. TC'd product). FLUG & FAHRZEUGWERKE AG AS202/32TP (Non U.S. TC'd product). FUJI KM-2D (T-5) (Non U.S. TC'd product). GRUMMAN S-2 (with turbine conversions). GRUMMAN (GULFSTREAM AERO) G73 (with turbine conversions). GRUMMAN (MCKINNON) G21E, G (with turbine conversions). HAFEI AVIATION INDUSTRY CO. Y12, Y12IV (Non U.S. TC'd product). HELIO: HST-550, -550A. ICA (ROMANIA) IAR-825TP (Non U.S. TC'd product). **ISRAEL AIRCRAFT INDUSTRIES:** 101, 101B. KOREAN AEROSPACE INDUSTRIES KTX-IT (Non U.S. TC'd product). MAULE: M-7-420, MX (T)-7-420. MITSUBISHI: MU-2B, MU-2B-10, -15, -20, -25, -26, -30, -35, -36, -40, -60, MU-2B-25A, -26A, -35A, -36A. NORD 262 (FRAKES), and (NORD) Model 262(A) modified by Supplemental Type Certificate (STC) SA2369SW. NORMAN AEROPLANE: NA 6, NAC 6-65 (Non U.S. TC'd product). POLISH AVIATION (MIELEC): M-28, M-28B. PACIFIC AEROSPACE FU24(A)-950/-954. PACIFIC AEROSPACE (FLETCHER): FU-24 CRESCO 08-600, FU-24 CRESCO 08-750XL. PIAGGIO P-166 DL3. PILATUS: PC-6/A-H2, PC-6/B-H2, PC-6/B1-H2, PC-6/B2-H2, PC-6/B2-H4, PC-6/C-H2, PC-6/C1-H2, PC-7. PIPER: PA-31P, PA-31T, PA-31T1, PA-31T2, PA-31T3, PA-42, PA-42-720, PA-42-720R.

PROP JETS INC. 400 (Non U.S. TC'd product).
PZL MIELEC:
M18, M18A, M18B, M27, PZL-106BT, PZL-130TE.
ROCKWELL OV-10.
SCHWEIZER (GRUMMAN) G-164, G-164A and G-164B (with turbine conversions).
SHORT BROTHERS:
SC7 SERIES 3, SD3-30 VARIANT 200, SD3-SHERPA VARIANT 200, SD3-60 VARIANT 20
SD3-60 SHERPA VARIANT 200.
SIAI MARCHETTI (AERMACCHI):
F.260C, F.260D, SM-1019, SF600 CANGURO.
VALMET L-90TP (Non U.S. TC'd product).
VULCANAIR (PARTENAVIA):
AP68TP-300, AP68TP-600.
WALLAROO 605 (Non U.S. TC'd product).
WEATHERLY 620TP.

## **Unsafe Condition**

(d) This AD results from the discovery during routine propeller installation that a bolt from a certain manufacture lot did not properly absorb the installation torque. This AD also results from the discovery that other bolts of the same part number from a different certain manufacture lot had material surface pitting. We are issuing this AD to prevent propeller mounting bolt failures or improperly secured propellers, which could lead to separation of the propeller from the airplane.

## Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified unless the actions have already been done.

#### **Visual Inspections and Torque Checks**

(f) Perform initial visual inspection and torque check of all eight mounting flange bolts when P/N B-3339 bolts from LFC manufacturing Lot No. 12 or Lot No. 56 are present, within 50 hours time-in-service (TIS) or 12 months after the effective date of the AD, whichever occurs first. For the location of bolt identification marks, see Figure 1 of Hartzell Propeller Inc. Alert Service Bulletin (ASB) No. HC-ASB-61-279, Revision 2, dated May 6, 2005.

(g) Thereafter, for all airplanes except Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, perform repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 120 hours TIS since-last-inspection.

(h) Thereafter, for Aerospatiale (Nord) Model 262(A) airplanes modified by STC SA2369SW, perform repetitive torque checks on all eight mounting flange bolts when P/N B-3339 bolts from LFC Manufacturing Lot No. 12 or Lot No. 56 are present, within 100 hours TIS since-last-inspection.

(i) If any bolt fails the torque check, replace all eight bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAA-approved equivalent part number bolts.

(j) Perform the actions specified in paragraphs (f), (g), (h), and (i) of this AD, using paragraphs 3.A through 3.B.(5) of the Accomplishment Instructions of Hartzell Propeller Inc. ASB No. HC-ASB-61-279, Revision 2, dated May 6, 2005.

#### **Mandatory Terminating Action**

(k) As mandatory terminating action to the repetitive visual inspections and torque checks required by this AD, replace all P/N B-3339, LFC Manufacturing Lot No. 12 and Lot No. 56 bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAA-approved equivalent part number bolts, within 12 months after the effective date of this AD. Use paragraph 3.C of Accomplishment Instructions of Hartzell Propeller Inc. ASB No. HC-ASB-61-279, Revision 2, dated May 6, 2005, to do the bolt replacement.

## **Alternative Methods of Compliance**

(1) The Manager, Chicago Aircraft Certification Office, has the authority to approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

### **Related Information**

(m) AD 2004-21-01, Amendment 39-13822 (69 FR 60952) also pertains to the subject of this AD.

## **Material Incorporated by Reference**

(n) You must use Hartzell Propeller Inc. Alert Service Bulletin No. HC-ASB-61-279, and Alert Service Bulletin Appendix No. HC-ASBA-61-279, Revision 2, dated May 6, 2005, to perform the initial and repetitive visual inspections, torque checks, and bolt replacements required by this AD. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Hartzell Propeller Inc. Technical Publications Department, One Propeller Place, Piqua, OH 45356; telephone (937) 778-4200; fax (937) 778-4391, for a copy of this service information.

You may review copies at the Docket Management Facility; U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, Room PL-401, Washington, DC 20590-0001, on the internet at http://dms.dot.gov, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: *http://www.archives.gov/federal\_register/code\_of\_federal\_regulations/ibr\_locations.html*.

Issued in Burlington, Massachusetts, on July 6, 2005. Francis A. Favara, Acting Manager, Engine and Propeller Directorate, Aircraft Certification Service. [FR Doc. 05-13733 Filed 7-13-05; 8:45 am] BILLING CODE 4910-13-P







