

# 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/PTA-079**

**OUR REFERENCE: 2023-15839**

**WO REFERENCE: 9M-PTA-15839**

**DATE COMPLETION: 9 JUNE 2023**

**AJL NUMBER: 000470**

A/C DETAILS							
A/C TYPE	B300 (SKA350)	A/C REG	9M-PTA	A/C S/N	FL-587		
OWNER / OPERATOR	ROYAL MALAYSIA FORCE	A/C TOTAL TIME	6544:21	LANDINGS	5216		
ENGINE #1 S/N	PCE-PK0999	T.S.N	5201:36	T.S.O	-		
ENGINE #2 S/N	PCE-PK0971	T.S.N	6351:11	T.S.O	-		
LIST OF TASK PERFORMED	WP NUMBER	NUMBER OF PAGES					
		*WS	*PR	*ARC	*S	*SBC	*OTH
PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT, FAA AD NO. 2005-14-12, NEW ISSUE COMPLIANCE	-001	2	1	-	-	-	11
*THIS IS TO CERTIFY THAT TASKS LISTED ABOVE HAS BEEN ACCOMPLISHED AS PER PO/WORK ORDER/SERVICE ORDER NO. AS ABOVE.							
NAME	NOOR MASDARIAH	SIGNATURE		DATE	16 JUNE 2023		
VERIFIED AND ACCEPTED BY				NURUL HUSNA BINTI ZAINOL ABIDIN CAMO Planner Galaxy Aerospace (M) Sdn Bhd (1040262-0)			
DATE				22 JUN 2023			

- \*WS – WORKSHEET
- \*PR – PART REPORT
- \*ARC – AUTHORISED RELEASE CERTIFICATE
- \*S – SERVICEABLE LABEL
- \*SBC – SERVICE BULLETIN COMPLIANCE
- \*OTH – OTHERS



# WORK ORDER



To: GALAXY AEROSPACE (M) SDN. BHD.

**Address:** Lot 11-14, MRO Centre, Malaysia  
International Aerospace Centre, SAAS Airport,  
Subang  
Malaysia

**Attention:** Mr. Syafrul Yamani  
Engineering Manager  
syafrul@galaxyaerospace.my

**Work Order Number:** 2023-15839

**Work Pack Reference:** 9M-PTA-15839

**Date Issued:** 25/05/2023

**A/C Registration / SN:** 9M-PTA/FL-587

**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



CLIENT/OWNER: ROYAL MALAYSIA POLICE	SERIAL NO.	HOURS	LDG/CYCLE	WORKPACK NO:	9M-PTA-15839	
AIRCRAFT TYPE: B300 (SKA350)	AIRCRAFT	FL-587	6544:21	5216	WORK/INSP/DESC: AD 2005-14-12	
REGISTRATION: 9M-PTA	#1 ENGINE:	PCE-PK0999	5201:36	-	-	AERONET JOB NO.: 2023-15839
BASE/FACILITY: WMSA	#2 ENGINE:	PCE-PK0971	6351:11	-	-	AJL REF NO.: 000470
DATE IN: 9/6/2023	OUT: 9/6/2023			NG / N1	NF / N2	SHEET: 1 OF 1

Reason for raising: PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.	Raised by and date: CAMO; Nurul Husna Zainol Abidin 25/05/2023	Other requirements/information: NOT APPLICABLE
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List of scheduled inspection and all work carried out under this workpack including individual reference			DATE INSPECTION COMPLETED	Master Signature Schedule										
NO.	INSPECTION / WORK	WORKSHEET REF		NAME	SIGNATURE	APP/STAMP								
1	PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT, FAA AD NO. 2005-14-12, NEW ISSUE COMPLIANCE	15843-001	09/06/2023	MOHD ZAINURIN	[Signature]	[Stamp: GALAXY AEROSPACE M032 MALAYSIA]								
<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2" style="text-align: center;"><b>Galaxy Aerospace (M) Sdn. Bhd.</b></td> </tr> <tr> <td colspan="2"><i>I hereby certify the following task has been performed and found satisfactory:</i></td> </tr> <tr> <td colspan="2">1) All the tools and equipment used for maintenance has been removed from aircraft. 2) All the access panels removed for maintenance access has been reinstalled. 3) All the excess spares and materials have been notified to AMO Planner for return plan. 4) FOD check has been done.</td> </tr> <tr> <td>Sign &amp; Stamp: [Signature]</td> <td>Date &amp; Time: 09/06/2023 12:30 h</td> </tr> </table>							<b>Galaxy Aerospace (M) Sdn. Bhd.</b>		<i>I hereby certify the following task has been performed and found satisfactory:</i>		1) All the tools and equipment used for maintenance has been removed from aircraft. 2) All the access panels removed for maintenance access has been reinstalled. 3) All the excess spares and materials have been notified to AMO Planner for return plan. 4) FOD check has been done.		Sign & Stamp: [Signature]	Date & Time: 09/06/2023 12:30 h
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Sign & Stamp: [Signature]	Date & Time: 09/06/2023 12:30 h													

<b>PART 145 - AMO RELEASE STATEMENT AMO/2016/02</b> THIS IS TO CERTIFY THAT ALL WORK LISTED ABOVE HAS BEEN INSPECTED AND ACCOMPLISHED IN ACCORDANCE WITH CONTRACTED AMO EXPOSITION AND PROCEDURE LATEST REVISION, AND <input checked="checked" type="checkbox"/> * OEM PUBLICATION/REVISION AS PER REASON FOR RAISING ABOVE <input type="checkbox"/> *IF DIFFERENT FROM ABOVE. OEM PUBLICATION/REVISION..... <input type="checkbox"/> * TICK ✓ WHERE APPLICABLE	NAME	MOHD ZAINURIN
	SIGN & APPROVAL	[Signature]
	FIRM	GAM
	DATE	09/06/2023

<b>PART M - CAMO ACCEPTANCE STATEMENT</b>		
THIS IS TO CERTIFY THAT THE ABOVE MENTIONED WORK PACKAGE HAS BEEN REVIEWED, CHECKED FOR COMPLETION AND UPDATED IN THE MAINTENANCE SOFTWARE.		
NAME	SIGN & APPROVAL	DATE
NURUL HUSNA BINTI ZAINOL ABIDIN CAMO Planner Galaxy Aerospace (M) Sdn Bhd (1040262-D)	[Signature]	22 JUN 2023 [Stamp: GALAXY AEROSPACE CAMO M032 MALAYSIA]





CLIENT/OWNER: ROYAL MALAYSIA POLICE	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	15839-001
AIRCRAFT TYPE: B300 (SKA350)	AIRCRAFT: FL-587	REFER WORKPACK		WORK/INSP/DESC:	AD 2005-14-12
REGISTRATION: 9M-PTA	#1 ENGINE: PCE-PK0999	REFER WORKPACK		WORKPACK REF:	9M-PTA-15839
BASE/FACILITY: WMSA	#2 ENGINE: PCE-PK0971	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK
DATE IN: REFER WORKPACK OUT: REFER WORKPACK			NG / N1	NF / N2	SHEET: 1 OF 2

Reason for raising: PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.	Raised by and date: CAMO; Nurul Husna Zainol Abidin 25/05/2023	Other requirements/information: NOT APPLICABLE
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Item	Description	Technician	* Eng. CRS	Date																																																						
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TICK ✓ WHERE APPLICABLE

PARTS LABELLED & RETURNED	COPIES	DEFINITE	GROUND	INSPECTED	ISSUE	WORKSHOP	APPROVED	ISSUED	ISSUE	ISSUE	ISSUE	ISSUE	ISSUE	ISSUE	ISSUE	ISSUE	ISSUE	ISSUE	ISSUE
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CLIENT/OWNER: ROYAL MALAYSIA POLICE	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	15839-001
AIRCRAFT TYPE: B300 (SKA350)	AIRCRAFT: FL-587	REFER WORKPACK		WORK/INSP/DESC:	AD 2005-14-12
REGISTRATION: 9M-PTA	#1 ENGINE: PCE-PK0999	REFER WORKPACK		WORKPACK REF:	9M-PTA-15839
BASE/FACILITY: WMSA	#2 ENGINE: PCE-PK0971	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK
DATE IN: REFER WORKPACK. OUT: REFER WORKPACK			NG / N1	NF / N2	SHEET: 2 OF 2

Reason for raising: PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.	Raised by and date: CAMO; Nurul Husna Zainol Abidin 25/05/2023	Other requirements/information: NOT APPLICABLE
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8138



09/106/  
2023

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TICK WHERE APPLICABLE

PAGES LABELLED & RETURNED	DD: NAME	DD: NAME	DD: NAME	DD: NAME	DD: NAME	DD: NAME	DD: NAME	DD: NAME	DD: NAME	DD: NAME	DD: NAME	DD: NAME	DD: NAME	DD: NAME	DD: NAME	DD: NAME	DD: NAME	DD: NAME
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CLIENT/OWNER: GALAXY AEROSPACE (M) SDN. BHD.	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	15839-001
AIRCRAFT TYPE: B300 (SKA350)	AIRCRAFT: FL-587	REFER WORKPACK		WORK/INSP/DESC:	AD 2005-14-12
REGISTRATION: 9M-PTA	#1 ENGINE: PCE-PK0999	REFER WORKPACK		WORKPACK REF:	9M-PTA-15839
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DATE IN: REFER WORKPACK OUT: REFER WORKPACK			NG / N1	NF / N2	SHEET: 1 OF 1

Reason for raising: <b>PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.</b>	Raised by and date: <b>CAMO; Nurul Husna Zainol Abidin 25/05/2023</b>	Other requirements/information: <b>NOT APPLICABLE</b>
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Item	Part No	Description	Serial Number		Qty	Position	Reason	Lifed Item Information TSN/TSO/DUE/TIMEX	Release Reference
			Off	On					
<i>(The entire table body is crossed out with a large diagonal line.)</i>									

NAME	FIRM	SIGN & APPROVAL	DATE
MOHD ZAINURIN	GAM		09/06/2023

- \*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with CAA Malaysia Requirements and in respect to that work the aircraft / aircraft component is considered ready for release to service. **AMQ2016/02**
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TICK ✓ WHERE APPLICABLE

PARTS LABELED & RETURNED	ISS. VALUE	COPIES ISS.	ISSUE DATE	TIGHTENED	TORQUE (N·M)	ADDITIONAL WORKSHEET	MENTIONED DEFECT	PLANNING SHEET	FLY SHEET	CRACK SHEET	3RD PARTY	APPROV. (SIGNATURE)	ISSUE TO: SERIAL	PROPELLER (ISSUE)	YES (Y/N)	COMPONENT (ISSUE)	MOD RECORD BOOK
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<b>Aircraft Serial No:</b>	FL-587	<b>Work Pack No:</b>	9M-PTA-15839
<b>Aircraft Type:</b>	B300 (SKA350)	<b>DESC:</b>	AD 2005-14-12
<b>Aircraft Reg:</b>	9M-PTA	<b>PAGE:</b>	1 OF 1

Description	Part No	Serial Number	Worksheet Ref No. / Item No.	Calibration Due Date
(The main body of the table is currently empty and contains a large diagonal line from the bottom-left to the top-right corner.)				

## 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.

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**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 FAA-approved 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



Aircraft Certification Service  
Washington, DC

U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

*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.

(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**

(l) 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](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



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PROP JETS INC. 400 (Non U.S. TC'd product).

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PZL MIELEC:

M18, M18A, M18B, M27, PZL-106BT, PZL-130TE.

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ROCKWELL OV-10.

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SCHWEIZER (GRUMMAN) G-164, G-164A and G-164B (with turbine conversions).

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SHORT BROTHERS:

SC7 SERIES 3, SD3-30 VARIANT 200, SD3-SHERPA VARIANT 200, SD3-60 VARIANT 200, SD3-60 SHERPA VARIANT 200.

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SIAI MARCHETTI (AERMACCHI):

F.260C, F.260D, SM-1019, SF600 CANGURO.

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VALMET L-90TP (Non U.S. TC'd product).

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VULCANAIR (PARTENAVIA):

AP68TP-300, AP68TP-600.

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WALLAROO 605 (Non U.S. TC'd product).

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WEATHERLY 620TP.

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### **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.

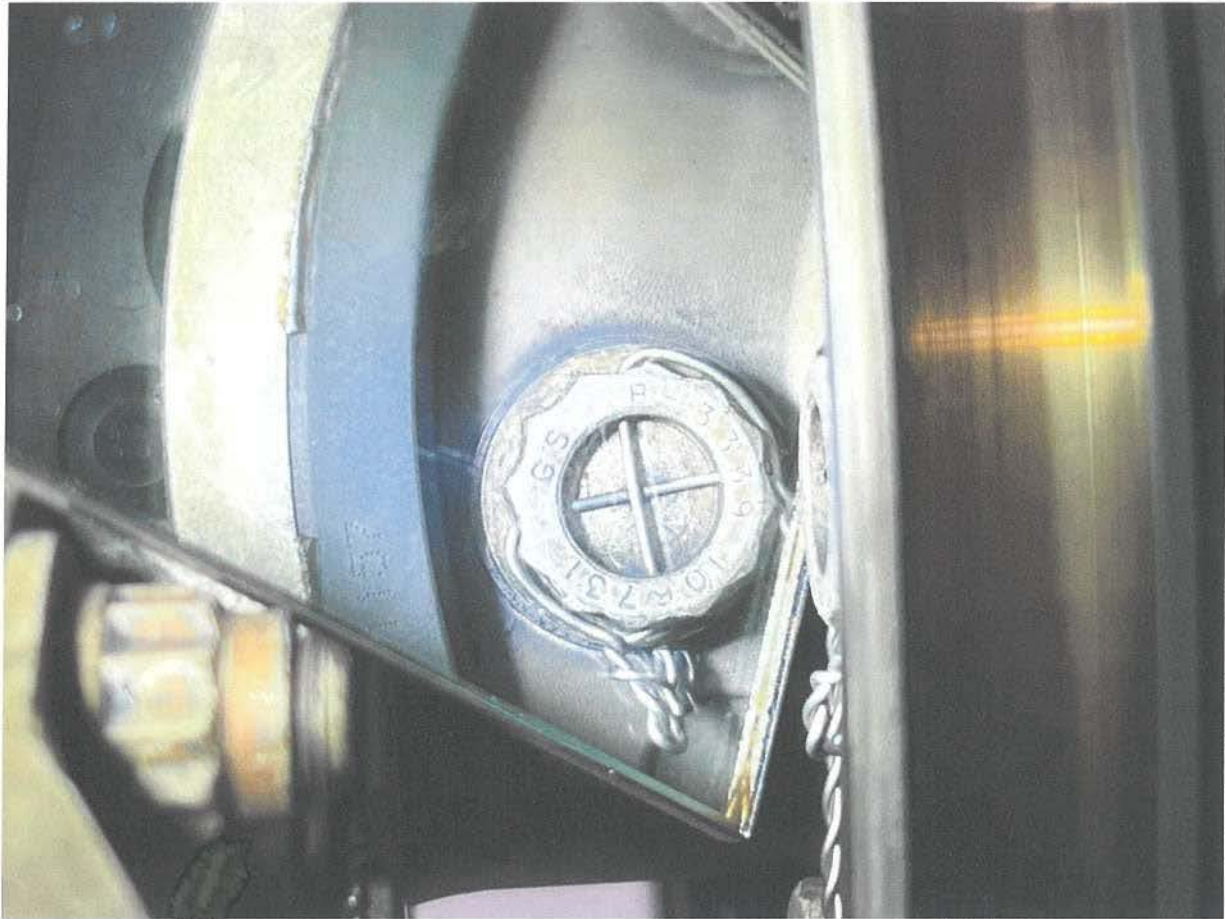
(i) If any bolt fails the torque check, replace all eight bolts with P/N B-3339 bolts that are not from LFC Manufacturing Lot No. 12 or Lot No. 56, or with FAA-approved equivalent part number bolts.



PTA L/H







PTA

R/H




# 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/PTB-103**  
**OUR REFERENCE: 2023-15840**  
**WO REFERENCE: 9M-PTB-15840**  
**DATE COMPLETION: 9 SEPTEMBER 2023**  
**AJL NUMBER: 001335**

A/C DETAILS							
<b>A/C TYPE</b>	B300 (SKA350)	<b>A/C REG</b>	9M-PTB	<b>A/C S/N</b>	FL-593		
<b>OWNER / OPERATOR</b>	ROYAL MALAYSIA FORCE	<b>A/C TOTAL TIME</b>	5986:35	<b>LANDINGS</b>	4524		
<b>ENGINE #1 S/N</b>	PCE-PK1183	<b>T.S.N</b>	3123:30	<b>T.S.O</b>	-		
<b>ENGINE #2 S/N</b>	PCE-PK0970	<b>T.S.N</b>	6015:51	<b>T.S.O</b>	-		
LIST OF TASK PERFORMED	WP NUMBER	NUMBER OF PAGES					
		*WS	*PR	*ARC	*S	*SBC	*OTH
PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT, FAA AD NO. 2005-14-12, NEW ISSUE COMPLIANCE	-001	2	1	-	-	-	11
*THIS IS TO CERTIFY THAT TASKS LISTED ABOVE HAS BEEN ACCOMPLISHED AS PER PO/WORK ORDER/SERVICE ORDER NO. AS ABOVE.							
NAME	NOOR MASDARIAH	SIGNATURE		DATE	15 SEPT 2023		
VERIFIED AND ACCEPTED BY				NUR HANIS BINTI RAHIMUDDIN CAMO Planner Galaxy Aerospace (M) Sdn Bhd (1040262-D)			
DATE				22 SEP 2023			

- \*WS – WORKSHEET
- \*PR – PART REPORT
- \*ARC – AUTHORISED RELEASE CERTIFICATE
- \*S – SERVICEABLE LABEL
- \*SBC – SERVICE BULLETIN COMPLIANCE
- \*OTH – OTHERS



# WORK ORDER



To: GALAXY AEROSPACE (M) SDN. BHD.

<p><b>Address:</b> Lot 11-14, MRO Centre, Malaysia International Aerospace Centre, SAAS Airport, Subang Malaysia</p> <p><b>Attention:</b> Mr. Syafrul Yamani Engineering Manager syafrul@galaxyaerospace.my</p>	<p><b>Work Order Number:</b> 2023-15840</p> <p><b>Work Pack Reference:</b> 9M-PTB-15840</p> <p><b>Date Issued:</b> 25/05/2023</p> <p><b>A/C Registration / SN:</b> 9M-PTB/FL-593</p> <p><b>Sheet:</b> 1 OF 1</p>
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**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



CLIENT/OWNER: ROYAL MALAYSIA POLICE	SERIAL NO.	HOURS	LDG/CYCLE	WORKPACK NO:	9M-PTB-15840
AIRCRAFT TYPE: B300 (SKA350)	AIRCRAFT FL-593	5986:35	4524	WORK/INSP/DESC:	AD 2005-14-12
REGISTRATION: 9M-PTB	#1 ENGINE: PCE-PK1183	3123:30	-	AERONET JOB NO.:	2023-15840
BASE/FACILITY: WMSA	#2 ENGINE: PCE-PK0970	6015:51	-	AJL REF NO.:	001335
DATE IN: 8/9/23 OUT: 9/9/23			NG / N1	NF / N2	SHEET: 1 OF 1
Reason for raising: PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.			Raised by and date: CAMO; Nurul Husna Zainol Abidin 25/05/2023		Other requirements/information: NOT APPLICABLE

List of scheduled inspection and all work carried out under this workpack including individual reference			DATE INSPECTION COMPLETED	Master Signature Schedule		
NO.	INSPECTION / WORK	WORKSHEET REF		NAME	SIGNATURE	APP/STAMP
1	PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT, FAA AD NO. 2005-14-12, NEW ISSUE COMPLIANCE	15843-001	09/09/2023	MHD ZAINURU		
<p>Galaxy Aerospace (M) Sdn. Bhd.</p> <p>I hereby certify the following task has been performed and found satisfactory:</p> <p>1) All the tools and equipment used for maintenance has been removed from aircraft. 2) All the access panels removed for maintenance access has been reinstated. 3) All the excess spares and materials have been supplied to AMO Planner for return plan. 4) FOD check has been done.</p> <p>Sign &amp; Stamp:  </p> <p>Date &amp; Time: 09/09/23 1200</p>						

<b>PART 145 - AMO RELEASE STATEMENT</b> AMO/2016/02 THIS IS TO CERTIFY THAT ALL WORK LISTED ABOVE HAS BEEN INSPECTED AND ACCOMPLISHED IN ACCORDANCE WITH CONTRACTED AMO EXPOSITION AND PROCEDURE LATEST REVISION, AND <input checked="" type="checkbox"/> * OEM PUBLICATION/REVISION AS PER REASON FOR RAISING ABOVE <input type="checkbox"/> *IF DIFFERENT FROM ABOVE. OEM PUBLICATION/REVISION..... <input type="checkbox"/> * TICK ✓ WHERE APPLICABLE	NAME	MHD ZAINURU
	SIGN & APPROVAL	
	FIRM	GAM
	DATE	09/09/2023
<b>PART M - CAMO ACCEPTANCE STATEMENT</b> THIS IS TO CERTIFY THAT THE ABOVE MENTIONED WORK PACKAGE HAS BEEN REVIEWED, CHECKED FOR COMPLETION AND UPDATED IN THE MAINTENANCE SOFTWARE.	NAME	NUR HANIS BINTI RAHIMUDDIN
	SIGN & APPROVAL	
	DATE	22 SEP 2023





CLIENT/OWNER: ROYAL MALAYSIA POLICE	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	15840-001
AIRCRAFT TYPE: B300 (SKA350)	AIRCRAFT: FL-593	REFER WORKPACK		WORK/INSP/DESC:	AD 2005-14-12
REGISTRATION: 9M-PTB	#1 ENGINE: PCE-PK1183	REFER WORKPACK		WORKPACK REF:	9M-PTB-15840
BASE/FACILITY: WMSA	#2 ENGINE: PCE-PK0970	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK
DATE IN: REFER WORKPACK OUT: REFER WORKPACK				SHEET:	1 OF 2

Reason for raising: PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.	Raised by and date: CAMO; Nurul Husna Zainol Abidin 25/05/2023	Other requirements/information: NOT APPLICABLE
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Item	Description	Technician	* Eng. CRS	Date																																																						
1	<p>FAA AD NO. 2005-14-12 - PROPELLERS MOUNTING BOLTS</p> <p>PHYSICAL INSPECTION TO BE CARRIED OUT TO VERIFY IF AIRCRAFT IS FITTED WITH PROPELLERS MOUNTING BOLTS PART NUMBER B-3339.</p> <p>NOTE: TO ATTACH PICTURE OR ANY RELATED INFORMATION OF PROPELLERS MOUNTING BOLTS PART NUMBER B-3339.</p> <p>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.</p> <p>AFFECTED SOURCE CODE: LFC</p> <p>AFFECTED MANUFACTURING LOT NUMBER: LOT 12 LOT 56</p> <p>REFERENCE: 1. FAA AD NO. 2005-14-12 2. HC-ASB-61-279</p> <p>REMARKS: PROPELLER BOLTS FOUND NOT EFFECTED TO THE SOURCE CODE AND LOT NUMBER.</p>																																																									
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8738  
*[Signature]*



09/09/2023

\*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with CAA Malaysia Requirements and in respect to that work the aircraft / aircraft component is considered ready for release to service. **AMO/2016/02**

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TICK WHERE APPLICABLE

PARTS LABELLED & RETURNED	ISSUE NO.	ISSUE DATE	ISSUE TIME	ISSUE BY	ISSUE FOR	ISSUE TO	ISSUE BY	ISSUE DATE	ISSUE TIME	ISSUE BY	ISSUE FOR	ISSUE TO	ISSUE BY	ISSUE DATE	ISSUE TIME	ISSUE BY	ISSUE FOR	ISSUE TO
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CLIENT/OWNER: ROYAL MALAYSIA POLICE	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO: 15840-001
AIRCRAFT TYPE: B300 (SKA350)	AIRCRAFT: FL-593	REFER WORKPACK		WORK/INSP/DESC: AD 2005-14-12
REGISTRATION: 9M-PTB	#1 ENGINE: PCE-PK1183	REFER WORKPACK		WORKPACK REF: 9M-PTB-15840
BASE/FACILITY: WMSA	#2 ENGINE: PCE-PK0970	REFER WORKPACK		AJL REF NO.: REFER WORKPACK
DATE IN: REFER WORKPACK OUT: REFER WORKPACK		NG / N1	NF / N2	SHEET: 2 OF 2

Reason for raising:  
PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.

Raised by and date:  
CAMO; Nurul Husna  
Zainol Abidin  
25/05/2023

Other requirements/information:  
NOT APPLICABLE

Item	Description	Technician	* Eng. CRS	Date																																																						
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TICK  WHERE APPLICABLE

PARTS LABELLED & RETURNED	OD NAMED	DEFENSE INSP	GROUND RUN	HIGH TEST	INSPECTION	ADDITIONAL WORKSHEET	NONPRED DEFECT	PLANNING REQUEST	DAILY UPDATE	STATUS UPDATE	OD STATUS	RELEASED/REWORK	BUSINESS BOOK	PROPELLER INS-BOOK	ISS CARD	COMPANY LOG CARD	MOD RECORD BOOK
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CLIENT/OWNER: ROYAL MALAYSIA POLICE AIRCRAFT TYPE: B300 (SKA350) REGISTRATION: 9M-PTB BASE/FACILITY: WMSA DATE IN: REFER WORKPACK OUT: REFER WORKPACK	SERIAL NO.	HOURS	LDG/CYCLE		WORKSHEET NO:	15840-001
	AIRCRAFT	FL-593	REFER WORKPACK		WORK/INSP/DESC:	AD 2005-14-12
	#1 ENGINE:	PCE-PK1183	REFER WORKPACK		WORKPACK REF:	9M-PTB-15840
	#2 ENGINE:	PCE-PK0970	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK
			NG / N1	NF / N2	SHEET:	1 OF 1

Reason for raising: PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.	Raised by and date: CAMO; Nurul Husna Zainol Abidin 25/05/2023	Other requirements/information: NOT APPLICABLE
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Item	Part No	Description	Serial Number		Qty	Position	Reason	Lifed Item Information TSN/TSO/DUE/TIMEX	Release Reference
			Off	On					
(Table content is crossed out with a diagonal line)									

NAME	FIRM	SIGN & APPROVAL	DATE
MOTHS ZAINURIN	GAM		01/09/2023

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TICK  WHERE APPLICABLE

PARTS LABELS & RETURNED	ED. PAISED	DUP/ATE INF	GROUND RULI	FLIGHTS	TORQUE CHK	ADDITIONAL WORKSHEET	MONITORED DEFECT	PLANNING FORECAST	DAILY UPDATE	STATUS UPDATE	DO STATUS	AIRCRAFT LOG BOOK	ENGINE LOG BOOK	PROPELLER LOG BOOK	LOG CARD	DEM COMP LOG CARD	MISC RECORD BOOK
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<b>Aircraft Serial No:</b>	FL-593	<b>Work Pack No:</b>	9M-PTB-15840
<b>Aircraft Type:</b>	B300 (SKA350)	<b>DESC:</b>	AD 2005-14-12
<b>Aircraft Reg:</b>	9M-PTB	<b>PAGE:</b>	1 OF 1

Description	Part No	Serial Number	Worksheet Ref No. / Item No.	Calibration Due Date
/				



[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]

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## 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.

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**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 FAA-approved 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



Aircraft Certification Service  
Washington, DC

U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

*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 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**

(l) 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](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

Issued in Burlington, Massachusetts, on July 6, 2005.

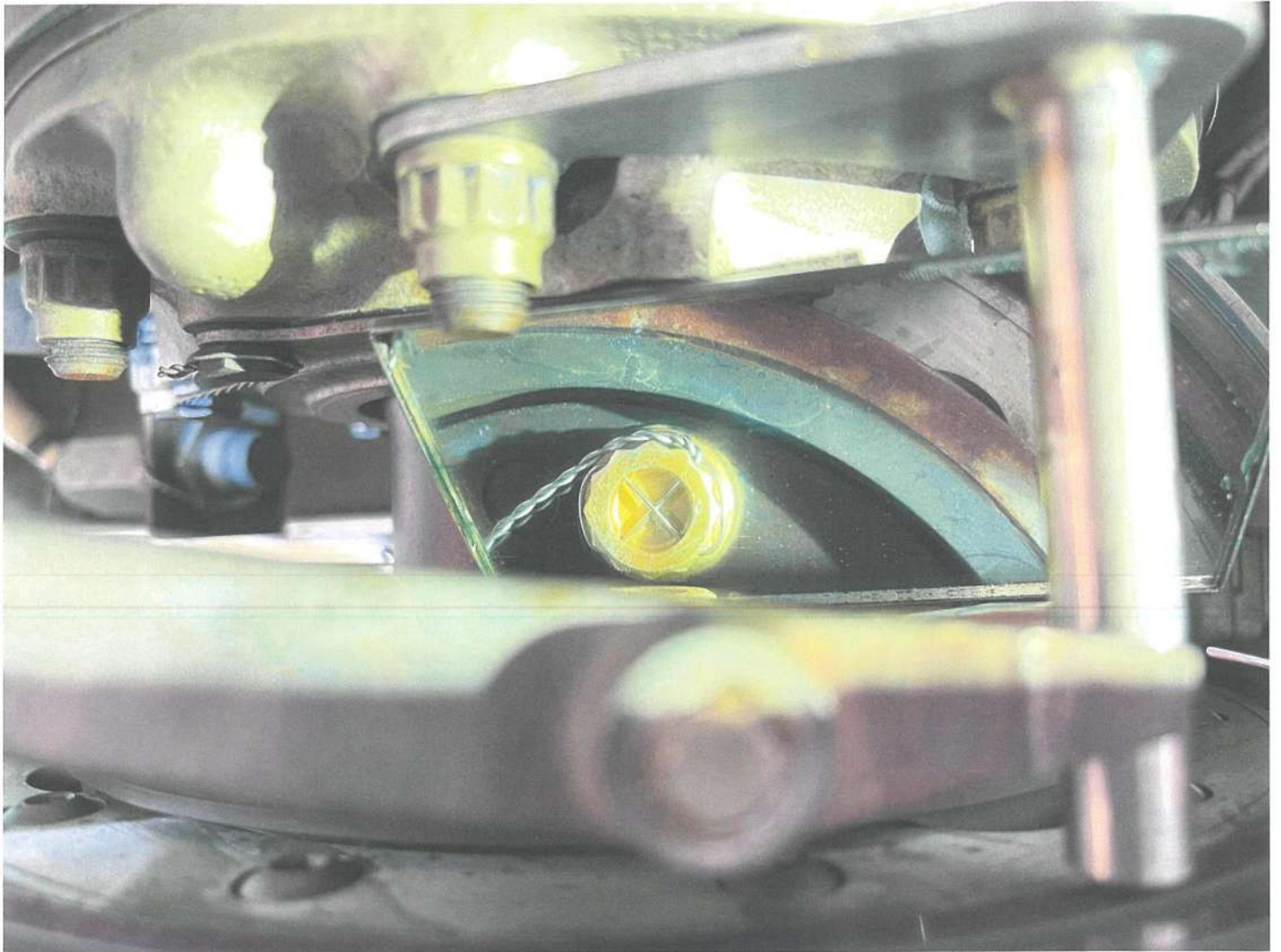
Francis A. Favara,

Acting Manager, Engine and Propeller Directorate, Aircraft Certification Service.

[FR Doc. 05-13733 Filed 7-13-05; 8:45 am]

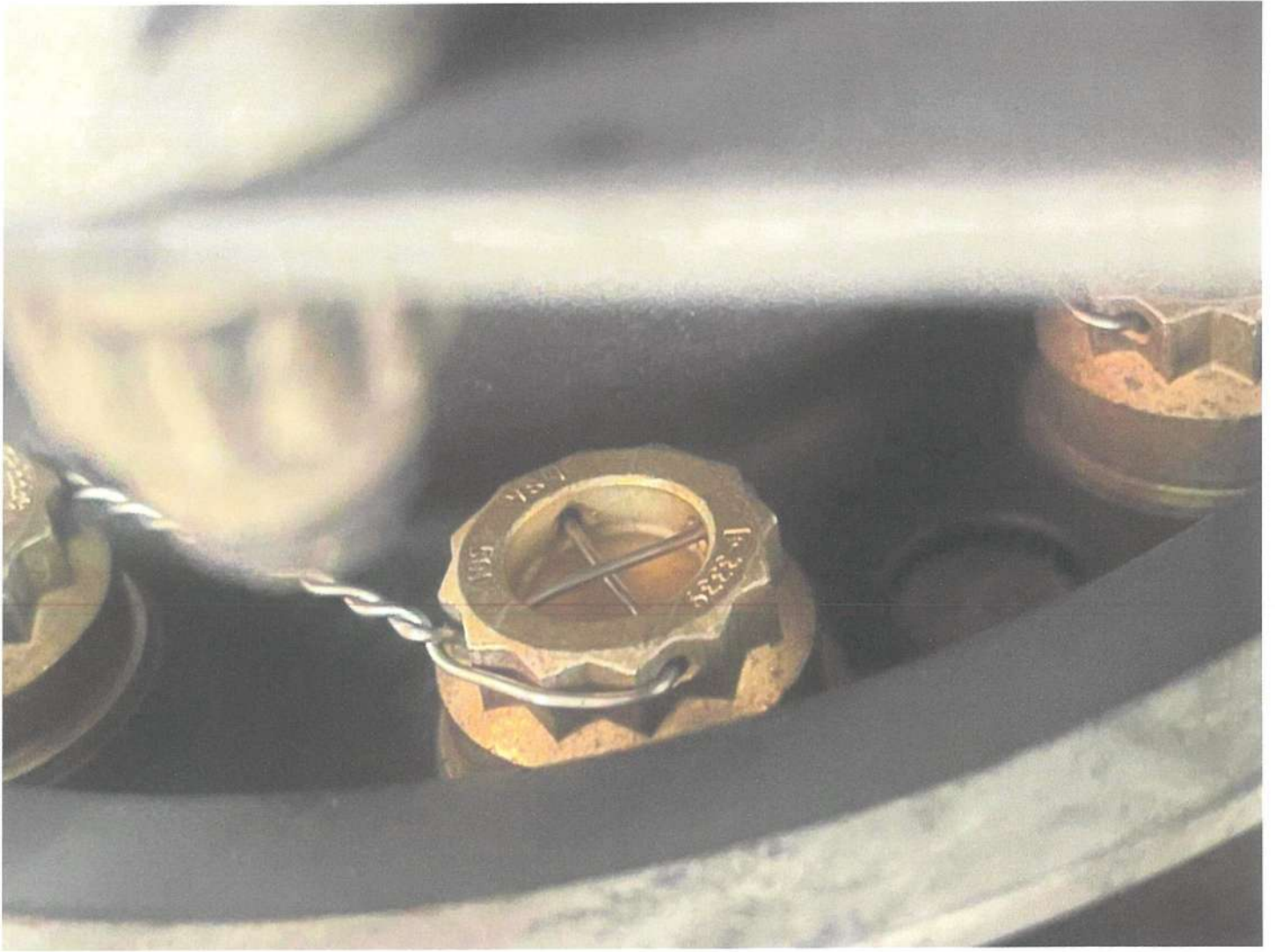
BILLING CODE 4910-13-P





R/H P7B





L/A DTB 





# 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

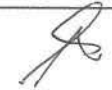
**DN NUMBER: GAM/DN/23/PTC-068**

**OUR REFERENCE: 2023-15841**

**WO REFERENCE: 9M-PTC-15841**

**DATE COMPLETION: 22 JUNE 2023**

**AJL NUMBER: 002271**

A/C DETAILS							
A/C TYPE	B300 (SKA350)	A/C REG	9M-PTC	A/C S/N	FL-598		
OWNER / OPERATOR	ROYAL MALAYSIA FORCE	A/C TOTAL TIME	4272:31	LANDINGS	3947		
ENGINE #1 S/N	PCE-PK0984	T.S.N	4451:40	T.S.O	-		
ENGINE #2 S/N	PCE-PK0998	T.S.N	4151:06	T.S.O	-		
LIST OF TASK PERFORMED	WP NUMBER	NUMBER OF PAGES					
		*WS	*PR	*ARC	*S	*SBC	*OTH
PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT, FAA AD NO. 2005-14-12, NEW ISSUE COMPLIANCE	-001	2	1	-	-	-	12
*THIS IS TO CERTIFY THAT TASKS LISTED ABOVE HAS BEEN ACCOMPLISHED AS PER PO/WORK ORDER/SERVICE ORDER NO. AS ABOVE.							
NAME	NOOR MASDARIAH	SIGNATURE		DATE	26 JUNE 2023		
VERIFIED AND ACCEPTED BY				NURUL HUSNA BINTI ZAINOL ABIDIN CAMO Planner Galaxy Aerospace (M) Sdn Bhd (1040262-D)			
DATE				26 JUN 2023			

- \*WS – WORKSHEET
- \*PR – PART REPORT
- \*ARC – AUTHORISED RELEASE CERTIFICATE
- \*S – SERVICEABLE LABEL
- \*SBC – SERVICE BULLETIN COMPLIANCE
- \*OTH – OTHERS

# WORK ORDER



To: GALAXY AEROSPACE (M) SDN. BHD.

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

**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





CLIENT/OWNER: ROYAL MALAYSIA POLICE AIRCRAFT TYPE: B300 (SKA350) REGISTRATION: 9M-PTC BASE/FACILITY: WMSA DATE IN: 25/05/2023 OUT: 22/06/2023	SERIAL NO. FL-598 #1 ENGINE: PCE-PK0984 #2 ENGINE: PCE-PK0998	HOURS 4272:31 4451:40 4151:06	LDG/CYCLE 3947 - - - -	WORKPACK NO: 9M-PTC-15841 WORK/INSP/DESC: AD 2005-14-12 AERONET JOB NO.: 2023-15841 AJL REF NO.: 002271 SHEET: 1 OF 1
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Reason for raising:  
 PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.

Raised by and date:  
 CAMO; Nurul Husna  
 Zainol Abidin  
 25/05/2023

Other requirements/information:  
 NOT APPLICABLE

List of scheduled inspection and all work carried out under this workpack including individual reference

NO.	INSPECTION / WORK	WORKSHEET REF	DATE INSPECTION COMPLETED	Master Signature Schedule		
				NAME	SIGNATURE	APP/STAMP
1	PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT, FAA AD NO. 2005-14-12, NEW ISSUE COMPLIANCE	15843-001	22/06/2023	MOHD ZAINURIN		

**Galaxy Aerospace (M) Sdn. Bhd.**

I hereby certify the following task has been performed and found satisfactory:

1) All the tools and equipment used for maintenance has been removed from aircraft. 2) All the access panels removed for maintenance access has been reinstalled. 3) All the excess spares and materials have been notified to AMO Planner for return plan. 4) FOD check has been done.

Sign & Stamp:   
 Date & Time: 22/06/2023 1200

**PART 145 - AMO RELEASE STATEMENT** AMO/2016/02  
 THIS IS TO CERTIFY THAT ALL WORK LISTED ABOVE HAS BEEN INSPECTED AND ACCOMPLISHED IN ACCORDANCE WITH CONTRACTED AMO EXPOSITION AND PROCEDURE LATEST REVISION, AND

- \* OEM PUBLICATION/REVISION AS PER REASON FOR RAISING ABOVE
- \* IF DIFFERENT FROM ABOVE, OEM PUBLICATION/REVISION.....
- \* TICK ✓ WHERE APPLICABLE

NAME	MOHD ZAINURIN
SIGN & APPROVAL	
FIRM	GAM
DATE	22/06/2023

**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.

NURUL HUSNA BINTI ZAINOL ABIDIN  
 CAMO Planner  
 Galaxy Aerospace (M) Sdn Bhd  
 (1040262-D)

NAME	SIGN & APPROVAL	DATE
		26 JUN 2023



CLIENT/OWNER: ROYAL MALAYSIA POLICE	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	15841-001
AIRCRAFT TYPE: B300 (SKA350)	AIRCRAFT: FL-598	REFER WORKPACK		WORK/INSP/DESC:	AD 2005-14-12
REGISTRATION: 9M-PTC	#1 ENGINE: PCE-PK0984	REFER WORKPACK		WORKPACK REF:	9M-PTC-15841
BASE/FACILITY: WMSA	#2 ENGINE: PCE-PK0998	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK
DATE IN: REFER WORKPACK OUT: REFER WORKPACK			NG / N1	NF / N2	SHEET: 1 OF 2

Reason for raising: PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.	Raised by and date: CAMO; Nurul Husna Zainol Abidin 25/05/2023	Other requirements/information: NOT APPLICABLE
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Item	Description	Technician	* Eng. CRS	Date																																																						
1	<p>FAA AD NO. 2005-14-12 - PROPELLERS MOUNTING BOLTS</p> <p>PHYSICAL INSPECTION TO BE CARRIED OUT TO VERIFY IF AIRCRAFT IS FITTED WITH PROPELLERS MOUNTING BOLTS PART NUMBER B-3339.</p> <p>NOTE: TO ATTACH PICTURE OR ANY RELATED INFORMATION OF PROPELLERS MOUNTING BOLTS PART NUMBER B-3339.</p> <p>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.</p> <p>AFFECTED SOURCE CODE: LFC</p> <p>AFFECTED MANUFACTURING LOT NUMBER: LOT 12 LOT 56</p> <p>REFERENCE: 1. FAA AD NO. 2005-14-12 2. HC-ASB-61-279</p> <p>REMARKS: INSPECTION CARRIED OUT AS PER HARTZELL ALERT SERVICE BULLETIN NO. HC-ASB-61-279 AND FOUND NOT EFFECTED TO THE SOURCE CODES.</p>																																																									
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2138



22/06/2023

\*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with CAA Malaysia Requirements and in respect to that work the aircraft / aircraft component is considered ready for release to service. **AMQ/2018/02**

\*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with \_\_\_\_\_ and in respect to that work the aircraft / aircraft component is considered ready for release to service.

TICK  WHERE APPLICABLE

PARTS LABELED & RETURNED	DO	DEFECTS	GROUND	LOGGED	TORQUE	ADDITIONAL WORKPACK	MENTORED	TRAINING	DATE	STATUS	DO	REMARK	ENGINEER	PREPARED	LOG	ON/COMP	MODIFIED





CLIENT/OWNER: ROYAL MALAYSIA POLICE	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	15841-001
AIRCRAFT TYPE: B300 (SKA350)	AIRCRAFT: FL-598	REFER WORKPACK		WORK/INSP/DESC:	AD 2005-14-12
REGISTRATION: 9M-PTC	#1 ENGINE: PCE-PK0984	REFER WORKPACK		WORKPACK REF:	9M-PTC-15841
BASE/FACILITY: WMSA	#2 ENGINE: PCE-PK0998	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK
DATE IN: REFER WORKPACK OUT: REFER WORKPACK			NG / N1	NF / N2	SHEET: 2 OF 2

Reason for raising: PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.	Raised by and date: CAMO; Nurul Husna Zainol Abidin 25/05/2023	Other requirements/information: NOT APPLICABLE
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Item	Description	Technician	* Eng. CRS	Date																																																						
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8138



22/06/2023

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\*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with \_\_\_\_\_ and in respect to that work the aircraft / aircraft component is considered ready for release to service.

TICK WHERE APPLICABLE

PARS LABELLED & RETURNED	ISS SALES	OFFICE USE	GROUND RUN	FLIGHT TEST	TORQUE CHK	ADDITIONAL WORKSHEET	MONITORED DEFECT	PLANNING FORECAST	DIRTY UPDATE	DATE UPDATE	DD STATUS	AIRCRAFT USED/ISS	ENGINE USE BOOK	PROPELLER USE BOOK	VIS CASE	DEPARTURE LOG CARD	MAINT RECORD BOOK
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CLIENT/OWNER: ROYAL MALAYSIA POLICE		SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	15841-001
AIRCRAFT TYPE: B300 (SKA350)		AIRCRAFT	FL-598	REFER WORKPACK	WORK/INSP/DESC:	AD 2005-14-12
REGISTRATION: 9M-PTC		#1 ENGINE:	PCE-PK0984	REFER WORKPACK	WORKPACK REF:	9M-PTC-15841
BASE/FACILITY: WMSA		#2 ENGINE:	PCE-PK0998	REFER WORKPACK	AJL REF NO.:	REFER WORKPACK
DATE IN: REFER WORKPACK OUT: REFER WORKPACK				NG / N1	NF / N2	SHEET: 1 OF 1

Reason for raising: PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.	Raised by and date: CAMO; Nurul Husna Zainol Abidin 25/05/2023	Other requirements/information: NOT APPLICABLE
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Item	Part No	Description	Serial Number		Qty	Position	Reason	Lifed Item Information TSN/TSO/DUE/TIMEX	Release Reference
			Off	On					
/									

NAME	FIRM	SIGN & APPROVAL	DATE
MOHD ZAINURIN	GAM		20/06/2023

Certifies that the work specified above, except as otherwise specified, was carried out in accordance with CAA Malaysia Requirements and in respect to that work the aircraft / aircraft component is considered ready for release to service. **AMQ/2016/02**

Certifies that the work specified above, except as otherwise specified, was carried out in accordance with \_\_\_\_\_ and in respect to that work the aircraft / aircraft component is considered ready for release to service.

TICK  WHERE APPLICABLE

PARTS LABELLED & RETURNED	TO: (CODE)	DUPLEX INF.	GROUND RUN	FLIGHTS	TORQUE (CHK)	ADDITIONAL WORKSHEET	MONITORED DEFECT	PAVING BULB(S)	CLAY (PMT)	STATUS (P/DEF)	DO (STAT)	AIRCRAFT LOG BOOK	ENGINE LOG BOOK	PROPELLER LOG BOOK	LOG (CARD)	GEN. ASS. LOG (ARE)	INFO RECD. (BOOK)
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<b>Aircraft Serial No:</b>	FL-598	<b>Work Pack No:</b>	9M-PTC-15841
<b>Aircraft Type:</b>	B300 (SKA350)	<b>DESC:</b>	AD 2005-14-12
<b>Aircraft Reg:</b>	9M-PTC	<b>PAGE:</b>	1 OF 1

Description	Part No	Serial Number	Worksheet Ref No. / Item No.	Calibration Due Date
/				

[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]

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## 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.

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**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 FAA-approved 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



Aircraft Certification Service  
Washington, DC

U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

*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**

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ADVANCED AERO & STRUCTURES, INC. 450.

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AEROCOMMANDER:

680T, 680V, 681, 690, 690A, 690B, 690C, 695, 695A.

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AEROSPATIALE (SOCATA):

TB-31 (Non U.S. type certificated (TC'd) product).

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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.

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AMERICAN AVIATION (GRUMMAN):

G-164, G-164B, G-164B-15T, G-164B-34T, G-164D.

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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.

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BAE 137.

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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.

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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.

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PROP JETS INC. 400 (Non U.S. TC'd product).

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PZL MIELEC:

M18, M18A, M18B, M27, PZL-106BT, PZL-130TE.

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ROCKWELL OV-10.

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SCHWEIZER (GRUMMAN) G-164, G-164A and G-164B (with turbine conversions).

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SHORT BROTHERS:

SC7 SERIES 3, SD3-30 VARIANT 200, SD3-SHERPA VARIANT 200, SD3-60 VARIANT 200,  
SD3-60 SHERPA VARIANT 200.

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SIAI MARCHETTI (AERMACCHI):

F.260C, F.260D, SM-1019, SF600 CANGURO.

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VALMET L-90TP (Non U.S. TC'd product).

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VULCANAIR (PARTENAVIA):

AP68TP-300, AP68TP-600.

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WALLAROO 605 (Non U.S. TC'd product).

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WEATHERLY 620TP.

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### **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**

(l) 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](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



ATC  H/H





7 PTC L/A





PTC R/H





# 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 DETAILS							
<b>A/C TYPE</b>	B300 (SKA350)	<b>A/C REG</b>	9M-PTD	<b>A/C S/N</b>	FL-680		
<b>OWNER / OPERATOR</b>	ROYAL MALAYSIA FORCE	<b>A/C TOTAL TIME</b>	1323:15	<b>LANDINGS</b>	1041		
<b>ENGINE #1 S/N</b>	PCE-PK0985	<b>T.S.N</b>	4169:15	<b>T.S.O</b>	-		
<b>ENGINE #2 S/N</b>	PCE-PK1184	<b>T.S.N</b>	1323:15	<b>T.S.O</b>	-		
LIST OF TASK PERFORMED	WP NUMBER	NUMBER OF PAGES					
		*WS	*PR	*ARC	*S	*SBC	*OTH
PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT, FAA AD NO. 2005-14-12, NEW ISSUE COMPLIANCE	-001	2	1	-	-	-	11
*THIS IS TO CERTIFY THAT TASKS LISTED ABOVE HAS BEEN ACCOMPLISHED AS PER PO/WORK ORDER/SERVICE ORDER NO. AS ABOVE.							
NAME	NOOR MASDARIAH	SIGNATURE		DATE	15 JUNE 2023		
VERIFIED AND ACCEPTED BY				 NURUL HUSNA BINTI ZAINOL ABIDIN CAMO Planner Galaxy Aerospace (M) Sdn Bhd (1040262-D)			
DATE				16 JUN 2023			

- \*WS – WORKSHEET
- \*PR – PART REPORT
- \*ARC – AUTHORISED RELEASE CERTIFICATE
- \*S – SERVICEABLE LABEL
- \*SBC – SERVICE BULLETIN COMPLIANCE
- \*OTH – OTHERS

# WORK ORDER



To: GALAXY AEROSPACE (M) SDN. BHD.

<p><b>Address:</b> Lot 11-14, MRO Centre, Malaysia International Aerospace Centre, SAAS Airport, Subang Malaysia</p> <p><b>Attention:</b> Mr. Syafrul Yamani Engineering Manager syafrul@galaxy aerospace.my</p>	<p><b>Work Order Number:</b> 2023-15842</p> <p><b>Work Pack Reference:</b> 9M-PTD-15842</p> <p><b>Date Issued:</b> 25/05/2023</p> <p><b>A/C Registration / SN:</b> 9M-PTD/FL-680</p> <p><b>Sheet:</b> 1 OF 1</p>
--	--

**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	<u>2</u> (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@galaxy aerospace.my





CLIENT/OWNER: <b>ROYAL MALAYSIA POLICE</b> AIRCRAFT TYPE: <b>B300 (SKA350)</b> REGISTRATION: <b>9M-PTD</b> BASE/FACILITY: <b>WMSA</b> DATE IN: <b>12/06/2023</b> OUT: <b>12/06/2023</b>	SERIAL NO. <b>FL-680</b> #1 ENGINE: <b>PCE-PK0985</b> #2 ENGINE: <b>PCE-PK1184</b>	HOURS <b>1323:15</b> <b>4109:15</b> <b>323:15</b>	LDG/CYCLE <b>104</b> - -	NG / N1 NF / N2	WORKPACK NO: <b>9M-PTD-15842</b> WORK/INSP/DESC: <b>AD 2005-14-12</b> AERONET JOB NO.: <b>2023-15842</b> AJL REF NO.: <b>009000</b> SHEET: <b>1 OF 1</b>
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Reason for raising: <b>PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.</b>	Raised by and date: <b>CAMO; Nurul Husna Zainol Abidin</b> <b>26/05/2023</b>	Other requirements/information: <b>NOT APPLICABLE</b>
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List of scheduled inspection and all work carried out under this workpack including individual reference

NO.	INSPECTION / WORK	WORKSHEET REF	DATE INSPECTION COMPLETED	Master Signature Schedule		
				NAME	SIGNATURE	APP/STAMP
1	PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT, FAA AD NO. 2005-14-12, NEW ISSUE COMPLIANCE	15843-001	12/06/2023	MOHD ZAINURIN		

**Galaxy Aerospace (M) Sdn. Bhd.**  
I hereby certify the following task has been performed and found satisfactory:  
1) All the tools and equipment used for maintenance has been moved from aircraft. 2) All the access panels removed for maintenance access has been reinstalled. 3) All the excess spares and materials have been notified to AMO Planner for return plan. 4) FOD check has been done.  
Sign & Stamp:   
Date & Time: **12/06/2023 1200**

**PART 145 - AMO RELEASE STATEMENT** **AMO/2016/02**  
THIS IS TO CERTIFY THAT ALL WORK LISTED ABOVE HAS BEEN INSPECTED AND ACCOMPLISHED IN ACCORDANCE WITH CONTRACTED AMO EXPOSITION AND PROCEDURE LATEST REVISION, AND  
 \* OEM PUBLICATION/REVISION AS PER REASON FOR RAISING ABOVE  
 \* IF DIFFERENT FROM ABOVE, OEM PUBLICATION/REVISION.....  
 \* TICK ✓ WHERE APPLICABLE

NAME	<b>MOHD ZAINURIN</b>
SIGN & APPROVAL	
FIRM	<b>GAM</b>
DATE	<b>12/06/2023</b>

**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.

NAME	<b>NURULHUSNA BINTI ZAINOL ABIDIN</b>	DATE
SIGN & APPROVAL		<b>16 JUN 2023</b>
CAMO Planner Galaxy Aerospace (M) Sdn Bhd (1040262-D)		



CLIENT/OWNER: ROYAL MALAYSIA POLICE	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	15842-001
AIRCRAFT TYPE: B300 (SKA350)	AIRCRAFT: FL-680	REFER WORKPACK		WORK/INSP/DESC:	AD 2005-14-12
REGISTRATION: 9M-PTD	#1 ENGINE: PCE-PK0985	REFER WORKPACK		WORKPACK REF:	9M-PTD-15842
BASE/FACILITY: WMSA	#2 ENGINE: PCE-PK1184	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK
DATE IN: REFER WORKPACK OUT: REFER WORKPACK			NG / N1	NF / N2	SHEET: 1 OF 2

Reason for raising: PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.	Raised by and date: CAMO; Nurul Husna Zainol Abidin 26/05/2023	Other requirements/information: NOT APPLICABLE
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Item	Description	Technician	* Eng. CRS	Date																																																						
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	<table border="1"> <thead> <tr> <th>NO.</th> <th>ITEM</th> <th>PROPELLER POSITION (L/R/H)</th> <th>PART NUMBER</th> <th>SOURCE CODE</th> <th>MFG LOT NUMBER</th> </tr> </thead> <tbody> <tr><td>1</td><td>MOUNTING BOLTS</td><td>L/A</td><td>B-3339</td><td>GS</td><td>117521</td></tr> <tr><td>2</td><td>MOUNTING BOLTS</td><td>L/H</td><td>B-3339</td><td>GS</td><td>117521</td></tr> <tr><td>3</td><td>MOUNTING BOLTS</td><td>L/B</td><td>B-3339</td><td>GS</td><td>117521</td></tr> <tr><td>4</td><td>MOUNTING BOLTS</td><td>L/A</td><td>B-3339</td><td>GS</td><td>117521</td></tr> <tr><td>5</td><td>MOUNTING BOLTS</td><td>L/H</td><td>B-3339</td><td>GS</td><td>117521</td></tr> <tr><td>6</td><td>MOUNTING BOLTS</td><td>L/H</td><td>B-3339</td><td>GS</td><td>117521</td></tr> <tr><td>7</td><td>MOUNTING BOLTS</td><td>L/H</td><td>B-3339</td><td>GS</td><td>117521</td></tr> <tr><td>8</td><td>MOUNTING BOLTS</td><td>L/H</td><td>B-3339</td><td>GS</td><td>117521</td></tr> </tbody> </table>	NO.	ITEM	PROPELLER POSITION (L/R/H)	PART NUMBER	SOURCE CODE	MFG LOT NUMBER	1	MOUNTING BOLTS	L/A	B-3339	GS	117521	2	MOUNTING BOLTS	L/H	B-3339	GS	117521	3	MOUNTING BOLTS	L/B	B-3339	GS	117521	4	MOUNTING BOLTS	L/A	B-3339	GS	117521	5	MOUNTING BOLTS	L/H	B-3339	GS	117521	6	MOUNTING BOLTS	L/H	B-3339	GS	117521	7	MOUNTING BOLTS	L/H	B-3339	GS	117521	8	MOUNTING BOLTS	L/H	B-3339	GS	117521			
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8138  
*[Signature]*



12/06/2023

\*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with CAA Malaysia Requirements and in respect to that work the aircraft / aircraft component is considered ready for release to service. **AMO/2016/02**

\*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with \_\_\_\_\_ and in respect to that work the aircraft / aircraft component is considered ready for release to service.

TICK  WHERE APPLICABLE

PARTS LABELED & RETURNED	COPIES	DUPLICATE INFO	GROUND TIME	HIGH-FIELD	ISSUE DATE	ISSUE WORKSHEET	APPROVED SHEET	ISSUED TO	DATE WORK	DATE WORK	DATE WORK	DATE WORK	DATE WORK	DATE WORK	DATE WORK	DATE WORK	DATE WORK	DATE WORK	DATE WORK	DATE WORK
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CLIENT/OWNER: ROYAL MALAYSIA POLICE	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	15842-001
AIRCRAFT TYPE: B300 (SKA350)	AIRCRAFT: FL-680	REFER WORKPACK		WORK/INSP/DESC:	AD 2005-14-12
REGISTRATION: 9M-PTD	#1 ENGINE: PCE-PK0985	REFER WORKPACK		WORKPACK REF:	9M-PTD-15842
BASE/FACILITY: WMSA	#2 ENGINE: PCE-PK1184	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK
DATE IN: REFER WORKPACK OUT: REFER WORKPACK			NG / N1	NF / N2	SHEET:
					2 OF 2

Reason for raising:  
PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.

Raised by and date:  
CAMO; Nurul Husna Zainol Abidin  
26/05/2023

Other requirements/information:  
NOT APPLICABLE

Item	Description	Technician	* Eng. CRS	Date	
1	<p>FAA AD NO. 2005-14-12 - PROPELLERS MOUNTING BOLTS</p> <p>PHYSICAL INSPECTION TO BE CARRIED OUT TO VERIFY IF AIRCRAFT IS FITTED WITH PROPELLERS MOUNTING BOLTS PART NUMBER B-3339.</p> <p>NOTE: TO ATTACH PICTURE OR ANY RELATED INFORMATION OF PROPELLERS MOUNTING BOLTS PART NUMBER B-3339.</p> <p>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.</p> <p>AFFECTED SOURCE CODE: LFC</p> <p>AFFECTED MANUFACTURING LOT NUMBER: LOT 12 LOT 56</p> <p>REFERENCE: 1. FAA AD NO. 2005-14-12 2. HC-ASB-61-279</p> <p>REMARKS: PHYSICAL INSPECTION CARRIED OUT AS PER ALERT SERVICE BULLETIN HC-ASB-61-279 REVISION 4 AND FOUND SATISFACTORY</p>	8138 JH		12/06/2023	
NO.	ITEM	PROPELLER POSITION (LH/RH)	PART NUMBER	SOURCE CODE	MFG LOT NUMBER
9	MOUNTING BOLTS	R/H	B-3339	GS	117522
10	MOUNTING BOLTS	R/H	B-3339	GS	117522
11	MOUNTING BOLTS	R/H	B-3339	GS	117522
12	MOUNTING BOLTS	R/H	B-3339	GS	117522
13	MOUNTING BOLTS	R/H	B-3339	GS	117522
14	MOUNTING BOLTS	R/H	B-3339	GS	117522
15	MOUNTING BOLTS	R/H	B-3339	GS	117522
16	MOUNTING BOLTS	R/H	B-3339	GS	117522

\*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with CAA Malaysia Requirements and in respect to that work the aircraft / aircraft component is considered ready for release to service. **AMO/2016/02**

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TICK WHERE APPLICABLE

PARTS LABELED & RETURNED	LOG FILED	DIFFERENTIAL	GROUND ROH	HEIGHTS	IRIS/CHC	WORKSHEET	NUMBERED	FINANCIAL FORECAST	DATE UPDATE	STATUS UPDATE	NO STATUS	AIR-CRAT	ENGINE	PROPELLER	W/S	UPPER	DOWN	REPAIR
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CLIENT/OWNER: ROYAL MALAYSIA POLICE	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	15842-001
AIRCRAFT TYPE: B300 (SKA350)	AIRCRAFT: FL-680	REFER WORKPACK		WORK/INSP/DESC:	AD 2005-14-12
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Item	Part No	Description	Serial Number		Qty	Position	Reason	Lifed Item Information TSN/TSO/DUE/TIMEX	Release Reference
			Off	On					
[Large diagonal line crossing the table]									

NAME	FIRM	SIGN & APPROVAL	DATE
MOHD ZAINURIN	GAM		12/06/2023

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TICK  WHERE APPLICABLE

PARTS LABELLED & RETURNED	TO SHEET	SCHEMATIC	GROUND	HIGHERS	ENGINE	ADDITIONAL	MENTORED	TRAINING	TRAIN	TRAIN	TRAIN	TRAIN	TRAIN	TRAIN	TRAIN	TRAIN	TRAIN	TRAIN	TRAIN	TRAIN
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<b>Aircraft Serial No:</b>	FL-680	<b>Work Pack No:</b>	9M-PTD-15842
<b>Aircraft Type:</b>	B300 (SKA350)	<b>DESC:</b>	AD 2005-14-12
<b>Aircraft Reg:</b>	9M-PTD	<b>PAGE:</b>	1 OF 1

Description	Part No	Serial Number	Worksheet Ref No. / Item No.	Calibration Due Date

[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]

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## 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.

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**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 FAA-approved 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



Aircraft Certification Service  
Washington, DC

U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

*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**

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ADVANCED AERO & STRUCTURES, INC. 450.

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AEROCOMMANDER:

680T, 680V, 681, 690, 690A, 690B, 690C, 695, 695A.

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AEROSPATIALE (SOCATA):

TB-31 (Non U.S. type certificated (TC'd) product).

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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.

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AMERICAN AVIATION (GRUMMAN):

G-164, G-164B, G-164B-15T, G-164B-34T, G-164D.

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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.

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BAE 137.

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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.

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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 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**

(l) 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](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



PTD 4/H








J PTD R/A  


# 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/PTE-061**  
**OUR REFERENCE: 2023-15843**  
**WO REFERENCE: 9M-PTE-15843**  
**DATE COMPLETION: 12 JUNE 2023**  
**AJL NUMBER: 004443**

A/C DETAILS							
A/C TYPE	B300 (SKA350)	A/C REG	9M-PTE	A/C S/N	FL-683		
OWNER / OPERATOR	ROYAL MALAYSIA FORCE	A/C TOTAL TIME	2387:15	LANDINGS	1125		
ENGINE #1 S/N	PCE-PK1187	T.S.N	2387:15	T.S.O	-		
ENGINE #2 S/N	PCE-PK1188	T.S.N	2578:10	T.S.O	-		
LIST OF TASK PERFORMED	WP NUMBER	NUMBER OF PAGES					
		*WS	*PR	*ARC	*S	*SBC	*OTH
PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT, FAA AD NO. 2005-14-12, NEW ISSUE COMPLIANCE	-001	1	1	-	-	-	1
*THIS IS TO CERTIFY THAT TASKS LISTED ABOVE HAS BEEN ACCOMPLISHED AS PER PO/WORK ORDER/SERVICE ORDER NO. AS ABOVE.							
NAME	NOOR MASDARIAH	SIGNATURE		DATE	15 JUNE 2023		
VERIFIED AND ACCEPTED BY				NURUL HUSNA BINTI ZAINOL ABIDIN CAMO Planner Galaxy Aerospace (M) Sdn Bhd (1040262-D)			
DATE				16 JUN 2023			

- \*WS – WORKSHEET
- \*PR – PART REPORT
- \*ARC – AUTHORISED RELEASE CERTIFICATE
- \*S – SERVICEABLE LABEL
- \*SBC – SERVICE BULLETIN COMPLIANCE
- \*OTH – OTHERS



# WORK ORDER



To: GALAXY AEROSPACE (M) SDN. BHD.

**Address:** Lot 11-14, MRO Centre, Malaysia  
International Aerospace Centre, SAAS Airport,  
Subang  
Malaysia

**Attention:** Mr. Syafrul Yamani  
Engineering Manager  
syafrul@galaxyaerospace.my

**Work Order Number:** 2023-15843

**Work Pack Reference:** 9M-PTE-15843

**Date Issued:** 25/05/2023

**A/C Registration / SN:** 9M-PTE/FL-683

**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	<u>4</u> (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/OWNER: ROYAL MALAYSIA POLICE AIRCRAFT TYPE: B300 (SKA350) REGISTRATION: 9M-PTE BASE/FACILITY: WMSA DATE IN: 12/06/2023 OUT: 12/06/2023	SERIAL NO. FL-683	HOURS 2387.15	LDG/CYCLE 1125		WORKPACK NO.: 9M-PTE-15843 WORK/INSP/DESC: AD 2005-14-12 AERONET JOB NO.: 2023-15843 AJL REF NO.: 004443 SHEET: 1 OF 1
	#1 ENGINE: PCE-PK1187	2387.15	-	-	
	#2 ENGINE: PCE-PK1188	2578.10	-	-	
			NG / N1	NF / N2	

Reason for raising: **PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.**

Raised by and date: **CAMO; Nurul Husna Zainol Abidin 26/05/2023**

Other requirements/information: **NOT APPLICABLE**

List of scheduled inspection and all work carried out under this workpack including individual reference

NO.	INSPECTION / WORK	WORKSHEET REF	DATE INSPECTION COMPLETED	Master Signature Schedule		
				NAME	SIGNATURE	APP/STAMP
1	PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT, FAA AD NO. 2005-14-12, NEW ISSUE COMPLIANCE	15843-001	12/06/2023	MOTD ZAINURIN		

**Galaxy Aerospace (M) Sdn. Bhd.**

*I hereby certify the following task has been performed and found satisfactory:*

*1) All the tools and equipment used for maintenance has been removed from aircraft. 2) All the access panels removed for maintenance access has been reinstalled. 3) All the excess spares and materials have been notified to AMO Planner for return plan. 4) FOD check has been done.*

*12/06/2023*

Sign & Stamp: Date & Time: 1200

**PART 145 - AMO RELEASE STATEMENT AMO/2016/02**  
 THIS IS TO CERTIFY THAT ALL WORK LISTED ABOVE HAS BEEN INSPECTED AND ACCOMPLISHED IN ACCORDANCE WITH CONTRACTED AMO EXPOSITION AND PROCEDURE LATEST REVISION, AND

\* OEM PUBLICATION/REVISION AS PER REASON FOR RAISING ABOVE

\* IF DIFFERENT FROM ABOVE, OEM PUBLICATION/REVISION.....

\* TICK WHERE APPLICABLE

NAME: MOTO ZAINURIN

SIGN & APPROVAL:

FIRM: GAM

DATE: 12/06/2023

**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.

NAME: NURUL HUSNA BINTI ZAINOL ABIDIN  
 CAMO Planner  
 Galaxy Aerospace (M) Sdn Bhd  
 (1040262-D)

SIGN & APPROVAL:

DATE: 15 JUN 2023





CLIENT/OWNER: ROYAL MALAYSIA POLICE AIRCRAFT TYPE: B300 (SKA350) REGISTRATION: 9M-PTE BASE/FACILITY: WMSA DATE IN: REFER WORKPACK OUT: REFER WORKPACK	SERIAL NO. FL-683 #1 ENGINE: PCE-PK1187 #2 ENGINE: PCE-PK1188	HOURS REFER WORKPACK REFER WORKPACK REFER WORKPACK	LDG/CYCLE REFER WORKPACK REFER WORKPACK REFER WORKPACK	WORKSHEET NO: 15843-001 WORK/INSP/DESC: AD 2005-14-12 WORKPACK REF: 9M-PTE-15843 AJL REF NO.: REFER WORKPACK SHEET: 1 OF 2
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Reason for raising: PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.	Raised by and date: CAMO; Nurul Husna Zainol Abidin 26/05/2023	Other requirements/information: NOT APPLICABLE
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Item	Description	Technician	* Eng. CRS	Date																																																						
1	<p>FAA AD NO. 2005-14-12 - PROPELLERS MOUNTING BOLTS</p> <p>PHYSICAL INSPECTION TO BE CARRIED OUT TO VERIFY IF AIRCRAFT IS FITTED WITH PROPELLERS MOUNTING BOLTS PART NUMBER B-3339.</p> <p>NOTE: TO ATTACH PICTURE OR ANY RELATED INFORMATION OF PROPELLERS MOUNTING BOLTS PART NUMBER B-3339.</p> <p>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.</p> <p>AFFECTED SOURCE CODE: LFC</p> <p>AFFECTED MANUFACTURING LOT NUMBER: LOT 12 LOT 56</p> <p>REFERENCE: 1. FAA AD NO. 2005-14-12 2. HC-ASB-61-279</p> <p>REMARKS: PHYSICAL INSPECTION CARRIED OUT AS PER ASB HARTZELL NO. HC-ASB-61-279 REVISION 4 AND FOUND NOT EFFECTED TO THE SOURCE CODE.</p>																																																									
	<table border="1"> <thead> <tr> <th>NO.</th> <th>ITEM</th> <th>PROPELLER POSITION (LH/RH)</th> <th>PART NUMBER</th> <th>SOURCE CODE</th> <th>MFG LOT NUMBER</th> </tr> </thead> <tbody> <tr><td>1</td><td>MOUNTING BOLTS</td><td>L/H</td><td>B-3339</td><td>MSA</td><td>034</td></tr> <tr><td>2</td><td>MOUNTING BOLTS</td><td>L/A</td><td>B-3339</td><td>MSA</td><td>034</td></tr> <tr><td>3</td><td>MOUNTING BOLTS</td><td>L/H</td><td>B-3339</td><td>MSA</td><td>034</td></tr> <tr><td>4</td><td>MOUNTING BOLTS</td><td>L/H</td><td>B-3339</td><td>MSA</td><td>034</td></tr> <tr><td>5</td><td>MOUNTING BOLTS</td><td>L/A</td><td>B-3339</td><td>MSA</td><td>034</td></tr> <tr><td>6</td><td>MOUNTING BOLTS</td><td>L/A</td><td>B-2339</td><td>MSA</td><td>034</td></tr> <tr><td>7</td><td>MOUNTING BOLTS</td><td>L/H</td><td>B-3339</td><td>MSA</td><td>034</td></tr> <tr><td>8</td><td>MOUNTING BOLTS</td><td>L/H</td><td>B-3339</td><td>MSA</td><td>034</td></tr> </tbody> </table>	NO.	ITEM	PROPELLER POSITION (LH/RH)	PART NUMBER	SOURCE CODE	MFG LOT NUMBER	1	MOUNTING BOLTS	L/H	B-3339	MSA	034	2	MOUNTING BOLTS	L/A	B-3339	MSA	034	3	MOUNTING BOLTS	L/H	B-3339	MSA	034	4	MOUNTING BOLTS	L/H	B-3339	MSA	034	5	MOUNTING BOLTS	L/A	B-3339	MSA	034	6	MOUNTING BOLTS	L/A	B-2339	MSA	034	7	MOUNTING BOLTS	L/H	B-3339	MSA	034	8	MOUNTING BOLTS	L/H	B-3339	MSA	034			
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838  
Z



12/06/2023

\*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with CAA Malaysia Requirements and in respect to that work the aircraft / aircraft component is considered ready for release to service. **AMO2016/02**

\*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with \_\_\_\_\_ and in respect to that work the aircraft / aircraft component is considered ready for release to service.

TICK ✓ WHERE APPLICABLE

PARTS LABELS RETURNED	SP. WASH	QUALITY CONTROL	GROUND EQUIP.	HIGH-PRESS	TURBO CHARGERS	ADDITIONAL WORKSHEET	APPROVED SPECIAL	MANUAL REVISION	DRY WASH	SALES PREP	AD. PARTS	AIRCRAFT DAMAGE	ENGINE OIL	PROPELLER INSPECTION	LOG SHEET	TECHNICAL VISUALS	MODE/LOGS BOOK
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CLIENT/OWNER: ROYAL MALAYSIA POLICE	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	15843-001
AIRCRAFT TYPE: B300 (SKA350)	AIRCRAFT: FL-683	REFER WORKPACK		WORK/INSP/DESC:	AD 2005-14-12
REGISTRATION: 9M-PTE	#1 ENGINE: PCE-PK1187	REFER WORKPACK		WORKPACK REF:	9M-PTE-15843
BASE/FACILITY: WMSA	#2 ENGINE: PCE-PK1188	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK
DATE IN: REFER WORKPACK OUT: REFER WORKPACK			NG / N1	NF / N2	SHEET:
					2 OF 2

Reason for raising: PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.	Raised by and date: CAMO; Nurul Husna Zainol Abidin 26/05/2023	Other requirements/information: NOT APPLICABLE
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Item	Description	Technician	* Eng. CRS	Date																																																						
1	<p>FAA AD NO. 2005-14-12 - PROPELLERS MOUNTING BOLTS</p> <p>PHYSICAL INSPECTION TO BE CARRIED OUT TO VERIFY IF AIRCRAFT IS FITTED WITH PROPELLERS MOUNTING BOLTS PART NUMBER B-3339.</p> <p>NOTE: TO ATTACH PICTURE OR ANY RELATED INFORMATION OF PROPELLERS MOUNTING BOLTS PART NUMBER B-3339.</p> <p>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.</p> <p>AFFECTED SOURCE CODE: LFC</p> <p>AFFECTED MANUFACTURING LOT NUMBER: LOT 12 LOT 56</p> <p>REFERENCE: 1. FAA AD NO. 2005-14-12 2. HC-ASB-61-279</p> <p>REMARKS: PHYSICAL INSPECTION CARRIED OUT AS PER HARTZELL ASB NO. HC-ASB-61-279 REVISION 4 AND FOUND NOT EFFECTED TO THE SOURCE CODE.</p>	838 [Signature]		12/06/2023																																																						
	<table border="1"> <thead> <tr> <th>NO.</th> <th>ITEM</th> <th>PROPELLER POSITION (LH/RH)</th> <th>PART NUMBER</th> <th>SOURCE CODE</th> <th>MFG LOT NUMBER</th> </tr> </thead> <tbody> <tr><td>9</td><td>MOUNTING BOLTS</td><td>R/H</td><td>B-3339</td><td>GS</td><td>106731</td></tr> <tr><td>10</td><td>MOUNTING BOLTS</td><td>R/H</td><td>B-3339</td><td>GS</td><td>106731</td></tr> <tr><td>11</td><td>MOUNTING BOLTS</td><td>R/H</td><td>B-3339</td><td>GS</td><td>106731</td></tr> <tr><td>12</td><td>MOUNTING BOLTS</td><td>R/H</td><td>B-3339</td><td>GS</td><td>106731</td></tr> <tr><td>13</td><td>MOUNTING BOLTS</td><td>R/H</td><td>B-3339</td><td>GS</td><td>106731</td></tr> <tr><td>14</td><td>MOUNTING BOLTS</td><td>R/H</td><td>B-3339</td><td>GS</td><td>106731</td></tr> <tr><td>15</td><td>MOUNTING BOLTS</td><td>R/H</td><td>B-3329</td><td>GS</td><td>106731</td></tr> <tr><td>16</td><td>MOUNTING BOLTS</td><td>R/H</td><td>B-3339</td><td>GS</td><td>106731</td></tr> </tbody> </table>	NO.	ITEM	PROPELLER POSITION (LH/RH)	PART NUMBER	SOURCE CODE	MFG LOT NUMBER	9	MOUNTING BOLTS	R/H	B-3339	GS	106731	10	MOUNTING BOLTS	R/H	B-3339	GS	106731	11	MOUNTING BOLTS	R/H	B-3339	GS	106731	12	MOUNTING BOLTS	R/H	B-3339	GS	106731	13	MOUNTING BOLTS	R/H	B-3339	GS	106731	14	MOUNTING BOLTS	R/H	B-3339	GS	106731	15	MOUNTING BOLTS	R/H	B-3329	GS	106731	16	MOUNTING BOLTS	R/H	B-3339	GS	106731			
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\*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with CAA Malaysia Requirements and in respect to that work the aircraft / aircraft component is considered ready for release to service. **AMC/2016/02**

\*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with \_\_\_\_\_ and in respect to that work the aircraft / aircraft component is considered ready for release to service.

TICK  WHERE APPLICABLE

PARTS LABELING RETURNED	ISS. WAIVER	DEFECTIVE	DEFECTIVE	RIGHTS	TORQUE	ADDITIONAL WORKSHEET	NUMBER OF DEFECT	TRAINING RECORD	ENR. UPDATE	CI-FUE	AD. PARTS	AIRCRAFT REG. ESOI	ENGINE OIL	PROPELLER	ISS. LABEL	OSM/COMP	MISC RECORD
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CLIENT/OWNER: ROYAL MALAYSIA POLICE	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	15843-001
AIRCRAFT TYPE: B300 (SKA350)	AIRCRAFT: FL-683	REFER WORKPACK		WORK/INSP/DESC:	AD 2005-14-12
REGISTRATION: 9M-PTE	#1 ENGINE: PCE-PK1187	REFER WORKPACK		WORKPACK REF:	9M-PTE-15843
BASE/FACILITY: WMSA	#2 ENGINE: PCE-PK1188	REFER WORKPACK		AJL REF NO.:	REFER WORKPACK
DATE IN: REFER WORKPACK OUT: REFER WORKPACK				SHEET:	1 OF 1

Reason for raising: PHYSICAL INSPECTION OF PROPELLERS MOUNTING BOLT TO BE CARRY OUT IN ACCORDANCE WITH FAA AD 2005-14-12 DATED JUL-14-2005 OR LATER APPROVED REVISIONS.	Raised by and date: CAMO; Nurul Husna Zainol Abidin 26/05/2023	Other requirements/information: NOT APPLICABLE
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Item	Part No	Description	Serial Number		Qty	Position	Reason	Lifed Item Information TSN/TSO/DUE/TIMEX	Release Reference
			Off	On					
/									

NAME	FIRM	SIGN & APPROVAL	DATE
MOHD ZAINURIN	GAM		12/06/2023

\*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with CAA Malaysia Requirements and in respect to that work the aircraft / aircraft component is considered ready for release to service. **AMO2018/02**

\*Certifies that the work specified above, except as otherwise specified, was carried out in accordance with \_\_\_\_\_ and in respect to that work the aircraft / aircraft component is considered ready for release to service.

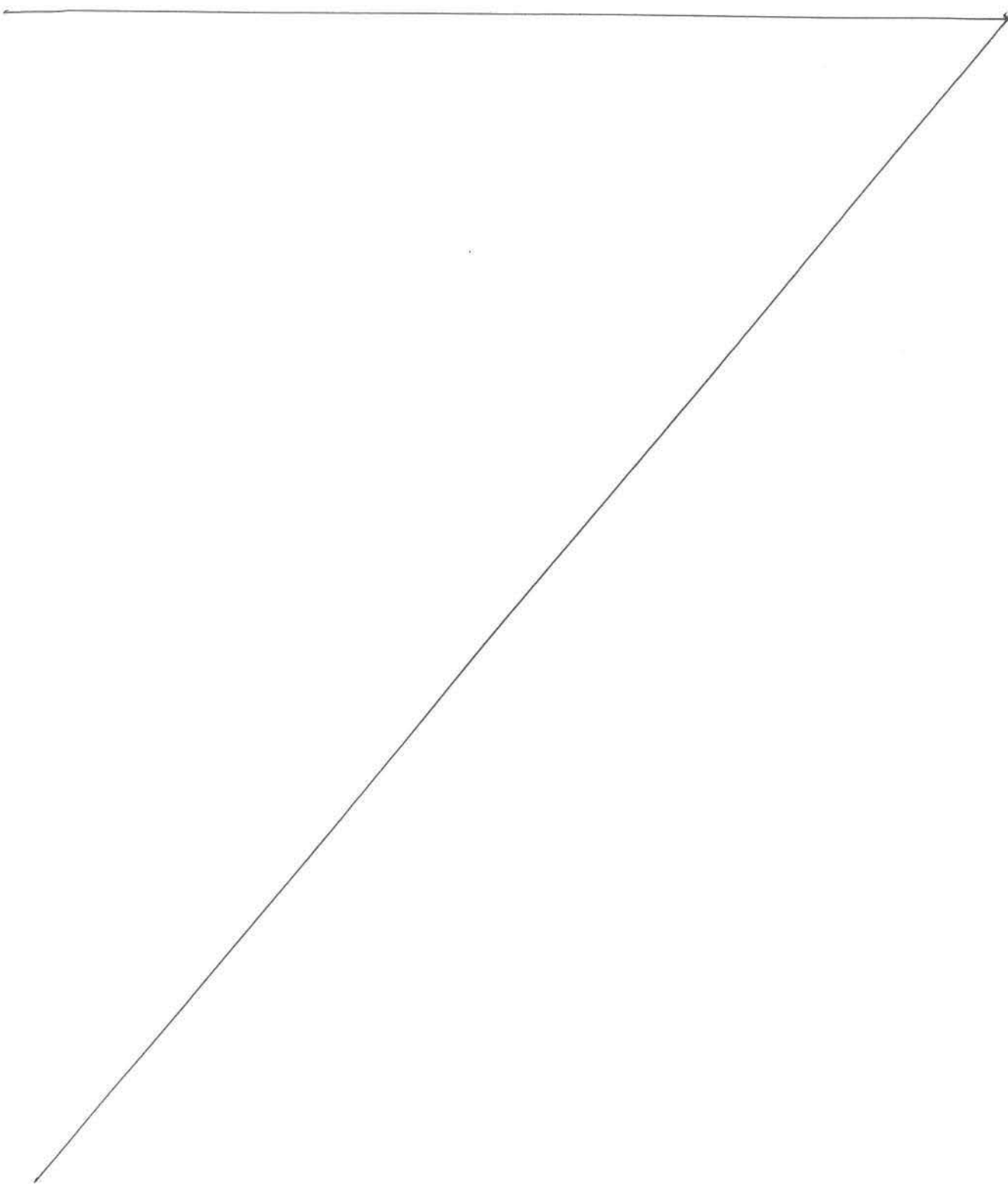
TICK  WHERE APPLICABLE

PARTS LABELED & RETURNED	TO PANEL	DISPATCH INP	GROUND RUN	HEIGHT	TORQUE CHK	ADDITIONAL WORKSHEET	ADDITIONAL EFFECT	FLANNING FORECAST	DIARY PRINT	STATUS UPDATE	DD STATUS	AIRCRAFT LOG BOOK	ENGINE LOG BOOK	PROPELLER LOG BOOK	LOG CARD	ITEM/IMP LOG CARD	MOD RECORDS BOOK
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<b>Aircraft Serial No:</b>	FL-683	<b>Work Pack No:</b>	9M-PTE-15843
<b>Aircraft Type:</b>	B300 (SKA350)	<b>DESC:</b>	AD 2005-14-12
<b>Aircraft Reg:</b>	9M-PTE	<b>PAGE:</b>	1 OF 1

Description	Part No	Serial Number	Worksheet Ref No. / Item No.	Calibration Due Date
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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]

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## 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.

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**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 FAA-approved 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



Aircraft Certification Service  
Washington, DC

U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

*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**

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ADVANCED AERO & STRUCTURES, INC. 450.

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AEROCOMMANDER:

680T, 680V, 681, 690, 690A, 690B, 690C, 695, 695A.

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AEROSPATIALE (SOCATA):

TB-31 (Non U.S. type certificated (TC'd) product).

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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.

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AMERICAN AVIATION (GRUMMAN):

G-164, G-164B, G-164B-15T, G-164B-34T, G-164D.

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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.

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BAE 137.

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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.

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CASA:

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

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CESSNA:

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

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DE HAVILLAND DH114.

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DE HAVILLAND CANADA:

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

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DORNIER:

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

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DOUGLAS DC-3C (with turbine conversions).

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EMBRAER:

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

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

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FAIRCHILD AIRCRAFT:

SA226-AT, -T, -TB, -TC.

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

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

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

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GRUMMAN S-2 (with turbine conversions).

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

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

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HAFEI AVIATION INDUSTRY CO.

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

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HELIO:

HST-550, -550A.

---

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

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ISRAEL AIRCRAFT INDUSTRIES:

101, 101B.

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

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MAULE:

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

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MITSUBISHI:

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

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NORD 262 (FRAKES), and (NORD) Model 262(A) modified by Supplemental Type Certificate (STC) SA2369SW.

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NORMAN AEROPLANE:

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

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POLISH AVIATION (MIELEC):

M-28, M-28B.

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

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PACIFIC AEROSPACE (FLETCHER):

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

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PIAGGIO P-166 DL3.

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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.

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PIPER:

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

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PROP JETS INC. 400 (Non U.S. TC'd product).

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PZL MIELEC:

M18, M18A, M18B, M27, PZL-106BT, PZL-130TE.

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ROCKWELL OV-10.

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SCHWEIZER (GRUMMAN) G-164, G-164A and G-164B (with turbine conversions).

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SHORT BROTHERS:

SC7 SERIES 3, SD3-30 VARIANT 200, SD3-SHERPA VARIANT 200, SD3-60 VARIANT 200, SD3-60 SHERPA VARIANT 200.

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SIAI MARCHETTI (AERMACCHI):

F.260C, F.260D, SM-1019, SF600 CANGURO.

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VALMET L-90TP (Non U.S. TC'd product).

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VULCANAIR (PARTENAVIA):

AP68TP-300, AP68TP-600.

---

WALLAROO 605 (Non U.S. TC'd product).

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WEATHERLY 620TP.

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### **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**

(l) 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](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.

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NOTE 4A



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