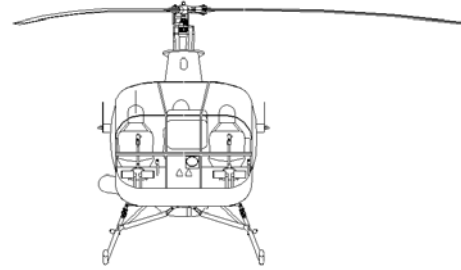


# 269D™ HELICOPTER

## ALERT SERVICE

## BULLETIN



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ASB DB-052  
BASIC ISSUE ▪ January 16/14

**SUBJECT:** Reduction in service life of KAflex® Drive Shaft and Coupling Assembly (269D Configuration "A") and (269D). Implement a new 1200 Hour Overhaul Inspection of the KAflex Drive Shaft and Coupling Assembly

**Section 1. PLANNING INFORMATION**

**A. Effectivity** All 269D and 269D Configuration "A" model helicopters.

Component: KAflex Drive Shaft and Coupling Assembly, part numbers (P/N) SKCP2738-3, SKCP2738-5, and SKCP2738-7.

**B. Purpose** To reduce service life of the KAflex Drive Shaft and Coupling Assembly to 3000 flight hours (269D Configuration "A") and 6000 flight hours (269D). Implement a new 1200 Hour Overhaul Inspection of the KAflex Drive Shaft and Coupling Assembly.

A vibration and strain survey was conducted with the results requiring a reduction in the service life of the KAflex Drive Shaft and Coupling Assembly due to failures in fielded helicopters.

**C. Description** Review helicopters records and component log card to determine Total Time (TT) on KAflex Drive Shaft and Coupling Assembly. Log card(s) is annotated with reduced service life. KAflex Drive Shaft and Coupling Assembly are removed from service for overhaul or retirement and replaced with a serviceable unit. Return helicopter to service.

**D. Compliance** Compliance is essential. The reduction in service life and requirements for overhaul described herein shall be implemented in accordance with the following schedule:

KAflex® is a registered trademark of Kamatics Corporation

Reduced  
Service Life

1200 Hour  
Overhaul  
Inspection

Section 1. PLANNING INFORMATION (Continued)

- (1) KAflex Drive Shaft and Coupling Assembly with less than 1200 flight hours on the issue date of this ASB: no immediate maintenance action required. Annotate the log card with reduced service life of 3000 flight hours (269D Configuration "A") and 6000 flight hours (269D).
  - (2) For 269D:
    - (a) KAflex Drive Shaft and Coupling Assembly with flight hours between 1200 and 4800, on the issue date of this ASB: within the next 25 flight hours or 30 days, whichever occurs first. Return KAflex Drive Shaft and Coupling Assembly for overhaul.
    - (b) KAflex Drive Shaft and Coupling Assembly with greater than or equal to 4800 flight hours on the issue date of this ASB: within the next 10 flight hours or 15 days, whichever occurs first. Return KAflex Drive Shaft and Coupling Assembly for overhaul.
    - (c) If total time in service exceeds 6000 flight hours, retire KAflex Drive Shaft and Coupling Assembly from service immediately.
  - (3) For 269D Configuration "A":
    - (a) KAflex Drive Shaft and Coupling Assembly with flight hours between 1200 and 2400, on the issue date of this ASB: within the next 25 flight hours or 30 days, whichever occurs first. Return KAflex Drive Shaft and Coupling Assembly for overhaul.
    - (b) KAflex Drive Shaft and Coupling Assembly with greater than or equal to 2400 flight hours on the issue date of this ASB: within the next 10 flight hours or 15 days, whichever occurs first. Return KAflex Drive Shaft and Coupling Assembly for overhaul.
    - (c) If total time in service exceeds 3000 flight hours, retire KAflex Drive Shaft and Coupling Assembly from service immediately.
- E. Approval      The design change effected by this document is classified as Major, and is FAA approved in accordance with the applicable requirements of United States Federal Aviation Regulations 14 CFR Part 27. FAA approval constitutes EASA and Transport Canada approval under the terms of current BAA/BASA Implementation Procedures.
- F. Manpower (Estimated)  
Not affected.
- G. Tooling  
None.
- H. Weight and Balance  
Not Affected.

Section 1. PLANNING INFORMATION (Continued)

I. Electrical Load Data

Not affected.

J. Software Load Data

Not applicable.

K. References

(1) Model 269D:

- (a) Temporary Revision No. 269D-24, against Handbook of Maintenance Instructions (HMI) CSP-D-2, Appendix B, Section 2, Table B-4. Component Overhaul Schedule, is issued concurrently with this ASB.
- (b) Temporary Revision No. 269D-25, against Handbook of Maintenance Instructions (HMI) CSP-D-2, Appendix B, Section 2, Table B-4. Component Overhaul Schedule, is issued concurrently with this ASB.
- (c) Temporary Revision No. 269D-26, against HMI CSP-D-2, Appendix B, Airworthiness Limitations Section, is issued concurrently with this ASB.
- (d) Temporary Revision No. 269D-27, against HMI CSP-D-2, Appendix B, Table B-5. Airworthiness Limitations Schedule, is issued concurrently with this ASB.

(2) Model 269D Configuration "A":

- (a) Temporary Revision No. 269DA-29, against HMI CSP-D-9, Appendix B, Section 2, Table B-4. Component Overhaul Schedule, is issued concurrently with this ASB.
- (b) Temporary Revision No. 269DA-30, against HMI CSP-D-9, Appendix B, Section 2, Table B-4. Component Overhaul Schedule, is issued concurrently with this ASB.
- (c) Temporary Revision No. 269DA-31, against HMI CSP-D-9, Appendix B, Airworthiness Limitations Section, is issued concurrently with this ASB.
- (d) Temporary Revision No. 269DA-32, against HMI CSP-D-9, Appendix B, Table B-5, Airworthiness Limitation Schedule, is issued concurrently with this ASB.

L. Publications Affected

(1) Model 269D HMI CSP-D-2:

CSP-D-2 Technical Manual for S-330, Model 269D HMI, Issued 01 Feb 1993, Revised 30 Sep 2013, or later revision.

Section 1. PLANNING INFORMATION (Continued)

(2) Model 269D Configuration "A" HMI CSP-D-9:

CSP-D-9 Technical Manual for S-333, Model 269D Configuration "A" Helicopter HMI, Reissued 20 Jul 2001, Revised 30 Sep 2013, or later revision.

M. Attachment

None.

Section 2. MATERIAL INFORMATION

A. Basis for Material Data

Per helicopter.

B. Bill of Material

None.

C. Consumable Material

None.

Section 3. ACCOMPLISHMENT INSTRUCTIONS

**NOTE:** If KAflex Drive Shaft and Coupling Assembly has less than 1200 flight hours no immediate maintenance is required.

A. Prepare helicopter for maintenance:

(1) Turn off all helicopter electrical power.

B. Implement reduction in service life and 1200 hour overhaul inspection of KAflex Drive Shaft and Coupling Assembly.

(1) For 269D helicopters:

(a) Helicopter records and component log cards are reviewed for TT on KAflex Drive Shaft and Coupling Assembly.



KAflex Drive Shaft and Coupling Assembly Shall not exceed 6000 flight hours.

1. KAflex Drive Shaft and Coupling Assembly flight hours between 1200 and 4800, on the issue date of this ASB: remove KAflex Drive Shaft and Coupling Assembly within the next 25 flight hours or 30 days, whichever occurs first, and return to HSI for overhaul. Refer to Temporary Revision No. 269D-24 and 269D-25.

Section 3. ACCOMPLISHMENT INSTRUCTIONS (Continued)

2. KAflex Drive Shaft and Coupling Assembly flight hours greater than or equal to 4800 on the issue date of this ASB: remove KAflex Drive Shaft and Coupling Assembly within the next 10 flight hours or 15 days, whichever occurs first, and return to HSI for overhaul. Refer to Temporary Revision No. 269D-24, 269D-25 and 269D-27. If total time in service exceeds 6000 flight hours, retire KAflex Drive Shaft and Coupling Assembly from service.
- (2) For 269D Configuration "A":
- (a) Helicopter records and component log cards are reviewed for TT on KAflex Drive Shaft and Coupling Assembly.

**WARNING**

KAflex Drive Shaft and Coupling Assembly Shall not exceed 3000 flight hours.

1. KAflex Drive Shaft and Coupling Assembly flight hours between 1200 and 2400, on the issue date of this ASB: remove KAflex Drive Shaft and Coupling Assembly within the next 25 flight hours or 30 days, whichever occurs first, and return to HSI for overhaul. Refer to Temporary Revision No. 269DA-29 and 269DA-30.
  2. KAflex Drive Shaft and Coupling Assembly flight hours greater than or equal to 2400 on the issue date of this ASB: remove KAflex Drive Shaft and Coupling Assembly within the next 10 flight hours or 15 days, whichever occurs first, and return to HSI for overhaul. If total time in service exceeds 3000 flight hours, retire KAflex Drive Shaft and Coupling Assembly from service. Refer to Temporary Revision No. 269DA-29, 269DA-30 and 269DA-31.
- C. Return helicopter to service.
- D. Record of Compliance:
- (1) Make an appropriate helicopter logbook entry to show compliance with this ASB.
  - (2) Upon compliance with the ASB, complete attached ALERT SERVICE BULLETIN COMPLIANCE RECORD CARD and return it to Sikorsky Aircraft Corporation.

(Fold over and tape closed)

**SIKORSKY AIRCRAFT CORPORATION**

**FACSIMILE NUMBER (860) 998-7565**

**EMAIL ADDRESS: [GPSIKSASProductSafet@utc.com](mailto:GPSIKSASProductSafet@utc.com)**

ATTENTION: SAS PRODUCT SAFETY MANAGER  
SIKORSKY AEROSPACE SERVICES

**IMPORTANT NOTICE**

Upon **COMPLIANCE** with the attached ASB, Sikorsky requests your cooperation in completing and returning this **ENTIRE PAGE** by **MAIL, FAX, or scan & EMAIL**.

*If you have internet access, you may go to [www.sikorsky.com](http://www.sikorsky.com) to record your compliance.*

Please fill in the requested information at the bottom of the page, so we may maintain proper records documenting the configuration of your aircraft. This information is useful when determining configuration and effectivity of issues affecting fielded aircraft.

This request is in keeping with our policy to assure that our customers receive the latest information applicable for the maintenance of your aircraft. Thank you.

**ALERT SERVICE BULLETIN:**            ASB No. DB-052            **Compliance Record Card**

**TITLE:** Reduction in service life of KAflex® Drive Shaft and Coupling Assembly (269D  
Configuration "A") and (269D). Implement a new 1200 Hour Overhaul Inspection of the  
KAflex Drive Shaft and Coupling Assembly

**OWNER/OPERATOR:** \_\_\_\_\_

**SUBMITTED BY:** \_\_\_\_\_            **DATE:** \_\_\_\_\_

**FOLLOWING SERIAL NUMBERS ARE NOT AFFECTED BY THIS ASB**

**ASB HAS BEEN COMPLIED WITH ON HELICOPTER SERIAL NUMBERS:**

\_\_\_\_\_  
\_\_\_\_\_

(Fold Up to Arrows)



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