

# 269C-1 ALERT SERVICE BULLETIN



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ASB C1B-037

Basic Issue • April 18/12

**SUBJECT:** One-Time Inspection to Remove from Service Engine and/or Rotor Tachometer Cables with a Hexagonal Connector on One End

## Section 1. PLANNING INFORMATION

- A. **Effectivity** All Schweizer model 269C-1 helicopters, including any spare engine and/or rotor tachometer cables.  
Component: Engine Tachometer Cable, part number 269A4618-003.  
Rotor Tachometer Cable, part number 269A4619-005.
- B. **Purpose** To remove not approved engine and/or rotor tachometer cables with the hexagonal connector on one end from service.  
Engine tachometer cable and rotor tachometer cable were redesigned to have a hexagonal connector at aft end and a non-removable core. Redesigned cables were not given a new part number; as a result, two different style cables exist under the same Schweizer part number.
- C. **Description** Engine tachometer cable and rotor tachometer cable are inspected. If cable has a hexagonal connector at aft end and/or is identified with supplier part number 4618-104-152-71-25 (engine tachometer cable) or 4619-104-152-101-93 (rotor tachometer cable), cable is not approved and is removed from service. If cable has a round connector at both ends and a removable core, cable is approved and is marked with blue polyurethane coating on the aft connector.  
As part of the inspection outlined herein, all engine and/or rotor tachometer cables identified as being not approved, including spares, shall be discarded.
- D. **Compliance** Compliance is essential. The inspection outlined herein shall be accomplished within 100 flight hours or 90 days from the issue date of this Alert Service Bulletin (ASB), whichever occurs first.

Section 1. PLANNING INFORMATION (Continued)

E. Approval  
 Inspection item.

F. Manpower (Estimated)

<u>Task</u>	<u>No. of Men</u>	<u>No. of Hours</u>	<u>Man-Hours*</u>
Inspect cables	1	0.2	0.2
Replace not approved engine cable	1	4.5	4.5
Replace not approved rotor cable	1	4.5	4.5
Reidentify approved cables	1	0.3	<u>0.3</u>
Total Man-Hours			9.5

\*Estimate does not include time required to prepare helicopter or return it to flight status.

G. Material

None.

H. Tooling

None.

I. Weight and Balance

Not affected.

J. Electrical Load Data

Not affected.

K. Software Load Data

Not applicable.

L. References

269C-1 Basic HMI CSP-C1-2.

M. Publications Affected

None.

N. Attachment

None.

Section 2. MATERIAL INFORMATION

A. Basis for Material Data

Per helicopter.

B. Bill of Material

<u>Existing Part No.</u>	<u>Qty</u>	<u>Key Word</u>	<u>Old Part No.</u>	<u>Instructions/ Disposition</u>
269A4618-003	1	Engine Tachometer Cable	269A4618-003 (Supplier P/N 4618-104-152-71-25 with hex nut)	(1)(2)(3)
269A4619-005	1	Rotor Tachometer Cable	269A4619-005 (Supplier P/N 4619-104-152-101-93 with hex nut)	(1)(2)(3)

- (1) For parts availability and lead time requirements, contact your Customer Service Representative at Helicopter Support Inc. (HSI). Submit a purchase order referencing this ASB number and the helicopter serial number(s) on which these parts will be used. This will allow HSI and the operator to track shipment and receipt of parts. Orders will be accepted by letter, telephone, facsimile (FAX) or through the HSI website: [www.HSIUS.com](http://www.HSIUS.com). For prompt shipment, reference address of each shipping destination. Direct your order to:

HELICOPTER SUPPORT INC.  
124 Quarry Road  
P.O. Box 11068  
Trumbull, Connecticut 06611 U.S.A.  
Attn: Customer Service  
FAX: (203) 416-4291 Telephone: (203) 416-4000  
HSI website: <http://www.HSIUS.com/>

- (2) All cables identified with supplier part number listed in Bill of Material, including spares, shall be discarded.
- (3) Engine Tachometer Cable part number may show as 269A4618-3. Rotor Tachometer Cable part number may show as 269A4619-5.

Section 2. MATERIAL INFORMATION (Continued)

C. Consumable Material



OBSERVE ALL CAUTIONS AND WARNINGS ON CONTAINERS WHEN USING CONSUMABLES. WHEN APPLICABLE, WEAR NECESSARY PROTECTIVE GEAR DURING HANDLING AND USE. IF A CONSUMABLE IS FLAMMABLE OR EXPLOSIVE, MAKE CERTAIN CONSUMABLE AND ITS VAPORS ARE KEPT AWAY FROM HEAT, SPARK AND FLAME. MAKE CERTAIN FIREFIGHTING EQUIPMENT IS READILY AVAILABLE PRIOR TO USE. FOR ADDITIONAL INFORMATION ON TOXICITY, FLASHPOINT AND FLAMMABILITY OF CHEMICALS, CONSULT YOUR MEDICAL PEOPLE OR THE MANUFACTURER OF THE CONSUMABLE.

Qty	Nomenclature	Part No.	Source
As Req'd	Aliphatic Polyurethane Coating	MIL-DTL-53039, Color No. 35095 or 35183 or equivalent	(1)(2)
As Req'd	High Solids Polyurethane Coating	MIL-PRF-85285, Color No. 35095 or 35183 or equivalent	(1)(2)
As Req'd	Isopropyl Alcohol	TT-I-735 or equivalent	(2)
As Req'd	Low-Lint Cloth	A-A-59323, Type II or equivalent	(2)

(1) Available from CHEMSOL. Website: [www.chemsol.com](http://www.chemsol.com)

(2) Procure from local supply.

Section 3. ACCOMPLISHMENT INSTRUCTIONS

A. Prepare helicopter for inspection:

- (1) Turn off all helicopter electrical power.
- (2) Gain visual access to aft end of engine tachometer cable (269A4618-003) and rotor tachometer cable (269A4619-005). Refer to applicable HMI.

B. Inspect tachometer cables as follows:

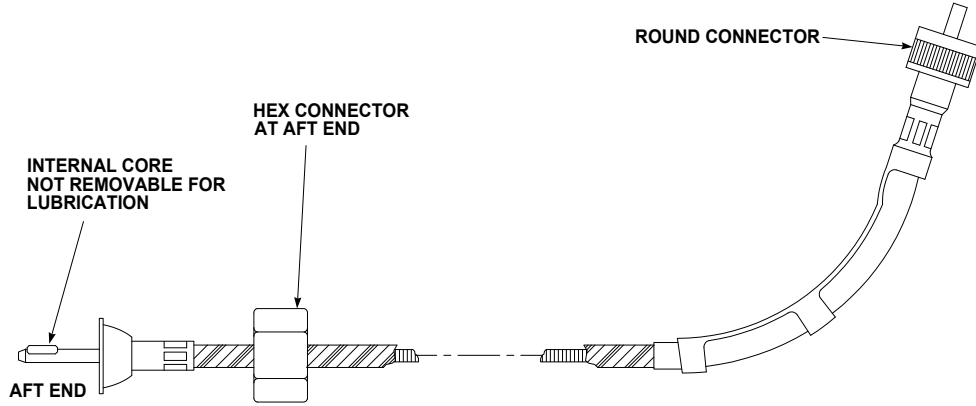
NOTE: The following inspection applies to both cables.

- (1) Inspect aft connector and determine if connector is round or hexagonal in shape.
  - (a) If connector is round in shape and knurled, cable is approved. Proceed to step 1.
  - (b) If connector is a hexagonal shape, cable is not approved, proceed to step (c).

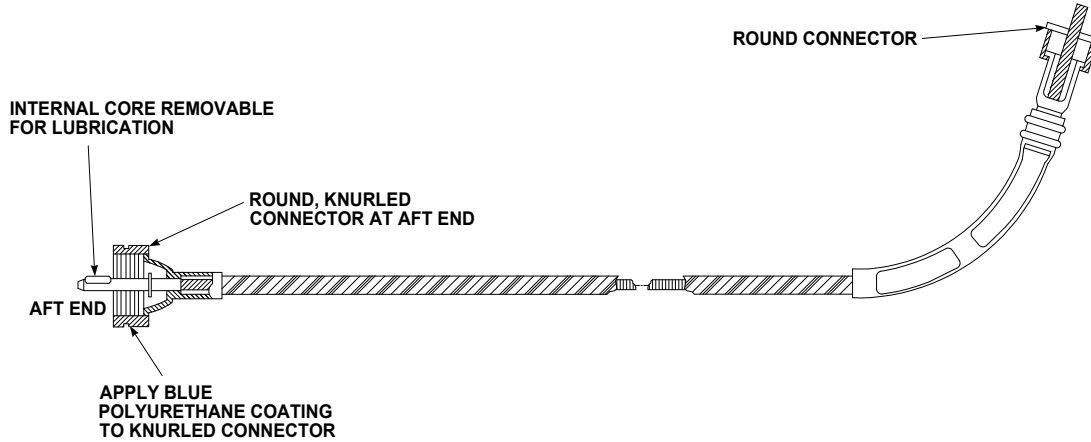
Section 3. ACCOMPLISHMENT INSTRUCTIONS (Continued)

1. Clean round, knurled connector with a clean, low-lint cloth moistened with isopropyl alcohol.
  2. Apply blue, high solids polyurethane coating or blue, aliphatic polyurethane coating to round, knurled connector.
  3. Proceed to step (2).
- (c) Remove tachometer cable. Refer to applicable HMI and proceed as follows:
1. Crush cable connectors and discard cable.
  2. Install approved cable. Refer to applicable HMI.
- (2) Check helicopter records for lubrication interval on both cables, and conduct lubrication if required. Refer to applicable HMI.
- (3) Return helicopter to service.
- C. Record of compliance:
- (1) Make helicopter level logbook entry on form SA7343-15.
  - (2) Upon compliance with this ASB, complete attached ALERT SERVICE BULLETIN COMPLIANCE RECORD CARD and return it to Sikorsky Aircraft Corporation.

Section 3. ACCOMPLISHMENT INSTRUCTIONS (Continued)



**NOT APPROVED CABLE CONFIGURATION**



**APPROVED CABLE CONFIGURATION**

TD2701  
SA

TACHOMETER CABLE CONFIGURATION  
FIGURE 1

(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:**            No. C1B-037            **Compliance Record Card**

**TITLE:** One-Time Inspection to Remove from Service Engine and/or Rotor Tachometer  
Cables with a Hexagonal Connector on One End

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

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

- FOLLOWING SERIAL NUMBERS ARE NOT AFFECTED BY THIS ASB**  
 **ASB HAS BEEN COMPLIED WITH ON THE FOLLOWING SERIAL NUMBERS**

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

(Fold Up to Arrows)



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ATTENTION: SAS PRODUCT SAFETY MANAGER

SIKORSKY AEROSPACE SERVICES

**Please complete the form on the reverse side and FAX to**

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

**Or scan and email to:**

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

**or fold and return ENTIRE form to Sikorsky Aircraft Corporation**