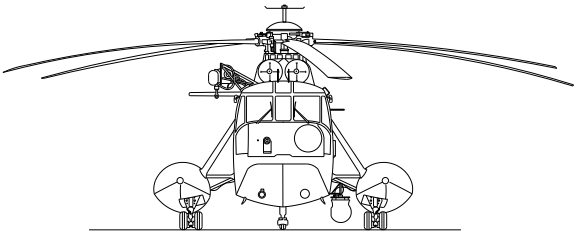
Sikorsky Aircraft Corporation
6900 Main Street P.O. Box 9729
Stratford, Connecticut 06615-9129
(203) 386-4000

S-61® HELICOPTER

ALERT SERVICE BULLETIN



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ASB 61B40-11

Basic Issue ▪ March 2/20

SUBJECT: Flight Controls – One-Time Inspection of Mixer Unit Component Log Card for Arm Assembly (S6140-62614-009) and Verification of the Component Life Limit

Section 1. PLANNING INFORMATION

A. Effectivity — All S-61N, S61L, and S-61NM model helicopters equipped with arm assembly (S6140-62614-009).

B. Purpose — To provide instructions for a one-time inspection of mixer unit component log card to verify arm assembly (S6140-62614-009) is listed and displays the component life limit.

C. Background — It is possible that there may be arm assemblies (S6140-62614-009) in service with equal to or greater than 15,000 hours total time, which exceeds service life time for the component.

D. Description — Mixer unit log card is reviewed to determine if arm assembly (S6140-62614-009) is listed and life limit has been established. If arm assembly is included on log card with established life limit, no further action is required. If arm assembly is not included on log card with established life limit, component log card is updated to include arm assembly with recorded life limit. If life limit is exceeded, arm assembly is replaced, and helicopter is returned to service.

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Section 1. PLANNING information (Continued)

E. Compliance Compliance is essential. The inspection outlined herein shall be accomplished within 90 days from the release date of this Alert Service Bulletin (ASB).

F. Approval Inspection Item.

G. Manpower (Estimated)

Task	No. of Men	No. of Hours	Man-Hours*
Review of Mixer Unit Log Card	1	0.50	0.50
Log Card Update (If Necessary)	1	0.25	0.25
Remaining Life Limit Calculation	1	0.25	0.25
Removal of Mixer Assembly	1	1.00	1.00
Replacement of Arm Assembly	1	2.00	2.00
Installation of Mixer Assembly	1	1.00	1.00
Performance of Rigging Check	2	1.00	2.00
Performance of Flight Check	2	1.00	2.00
Total Man-Hours			1.00**
Total Man-Hours			9.00***

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

**Time required for log card updates only, with no further action is required.

***Time required for replacement of arm assembly (S6140-62614-000/-008/-009), including assembly/disassembly of mixer unit.

H. Tooling

None.

I. Weight and Balance

Not affected.

J. Electrical Load Data

Not applicable.

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Section 1. PLANNING INFORMATION (Continued)

K. Software Load Data

Not applicable.

L. References

(1) ASB 61B General-1, Establishment of Serialization of Parts with Mandatory Retirement Times, Revision AA.

(2) S-61L Maintenance Manual, SA 4045-101, Chapter/Section 65-40-0.

(3) S-61L Maintenance Manual, SA 4045-101, Chapter/Section 65-45-0.

(4) S-61N Maintenance Manual, SA 4045-80, Chapter/Section 65-40-0.

(5) S-61N Maintenance Manual, SA 4045-80, Chapter/Section 65-45-0.

M. Publications Affected

None.

N. Attachment

None.

Section 2. MATERIAL INFORMATION

A. Procurement Requirements:

New Part No.	Qty	Nomenclature	Old Part No.	Instructions/ Disposition
S6140-62614-009	1	Arm ASSY	S6140-62614-009	(1)(2)

(1) Shall be ordered only if life limit has been reached or exceeded.

(2) For parts availability, price, and lead time requirements, contact your Customer Service Representative at Sikorsky Commercial Inc. (SCI). Submit a purchase order referencing this ASB number and the helicopter serial number(s) on which these parts will be used. This will allow SCI and the operator to track shipment and receipt of parts. Orders will be accepted by letter, telephone, or through the SCI website: https://customerportal.sikorsky.com. For prompt shipment, reference address of each shipping destination. Direct your order to:

Sikorsky Aircraft Corporation
Commercial Systems and Services
Mailstop K100
124 Quarry Road

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Section 2. MATERIAL INFORMATION (Continued)

Trumbull, CT 06611 U.S.A.
Attn: Account Service Manager
Telephone: (203) 416-4000
https://customerportal.sikorsky.com

B. Consumable Material

None.

Section 3. ACCOMPLISHMENT INSTRUCTIONS

NOTE: Arm assembly Part Number (P/N) S6140-62614-9 is equivalent to P/N S6140-62614-009.

A. Review mixer unit component log card to determine if arm assembly (S6140-62614-009) is entered with appropriate 15,000-hour life limit (Refer to ASB 61B General-1, Establishment of Serialization of Parts with Mandatory Retirement Times, Revision AA):

(1) If arm assembly (S6140-62614-000 or -008) entry is on the mixer unit log card, proceed to step C. No further action required.

(2) If arm assembly (S6140-62614-009) entry is included on mixer unit log card with component life limit, proceed to step C.

(3) If arm assembly (S6140-62614-009) entry is not included on mixer unit log card, add arm assembly (S6140-62614-009) entry and calculate remaining life of arm assembly by subtracting the Aircraft Total Time at Removal of Previous Arm Assembly (AAR) from the Aircraft Total Time (ATT). (See the below for an example):

Example:

- ATT = 14,000 Hours
- AAR = 2,000 Hours
- ATT – AAR = 14,000 Hours – 2,000 Hours = 12,000 Hours
- Remaining Life Left on arm assembly (S6140-62614-009) = 15,000 Hours – 12,000 Hours = 3,000 Hours

(4) If arm assembly (S6140-62614-009) and previously removed arm assembly data is not listed on the mixer unit log card, add arm assembly (S6140-62614-009) entry with a life remaining equivalent to the yoke (S6140-62616-0/-1/-6 or -8) or bellcrank (S6140-62620-0/-1/-6 or -8), whichever has the least life limit remaining, and proceed to step C.

(5) If arm assembly (S6140-62614-009) remaining life is equal to or greater than 15,000 hours, replace arm assembly (S6140-62614-009) as follows:

(a) Prepare helicopter for maintenance:

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Section 3. ACCOMPLISHMENT INSTRUCTIONS (Continued)

WARNING

TO PREVENT ELECTRICAL SHOCK OF PERSONNEL OR POSSIBLE DAMAGE TO HELICOPTER COMPONENTS, MAKE SURE TO TURN OFF ALL ELECTRICAL POWER.

(b) Turn off all helicopter electrical and hydraulic power.

(c) Engage rotor brake.

(d) Remove mixer assembly and replace arm assembly. (Refer to SA 4045-101, Chapter/Section 65-45-0, or SA 4045-80, Chapter/Section 65-45-0).

(6) Re-install mixer assembly. (Refer to SA 4045-101, Chapter/Section 65-45-0, or SA 4045-80, Chapter/Section 65-45-0).

(7) Perform rigging check. (Refer to SA 4045-101, Chapter/Section 65-40-0, or SA 4045-80, Chapter/Section 65-40-0).

(8) Perform flight check. (Refer to SA 4045-101, Chapter/Section 65-40-0, or SA 4045-80, Chapter/Section 65-40-0).

(9) Update mixer unit log card to note replacement of arm assembly (S6140-62614-009).

B. Return helicopter to service.

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Section 3. ACCOMPLISHMENT INSTRUCTIONS (Continued)

C. Record of compliance:

(1) Make helicopter logbook entries to show compliance with this ASB as follows:

(a) Make helicopter level logbook entry on form SA7343-15 (Aircraft ASB Release Signoff).

(b) When ASB modifies a component that can be removed from this helicopter:

1. Make component log card entries on forms SA7343-22 (Aircraft Component Log Cards) & SA7343-21 (Component Log Cards), as applicable.

2. If a component modified by this ASB does not have a log card and the ASB does not create one, then annotate compliance on the next higher assembly that the component belongs to which does have a log card.

NOTE: If access to www.Sikorsky360.com is unavailable, complete attached ALERT SERVICE BULLETIN COMPLIANCE RECORD CARD and return it to Sikorsky Aircraft Corporation.

(2) Make an appropriate electronic compliance entry in the E-Notification section at www.Sikorsky360.com. Refer to User Guide located on the www.Sikorsky360.com/E-Notification Search page.

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(Fold over and tape closed)

SIKORSKY AIRCRAFT CORPORATION

FACSIMILE NUMBER (817) 762-6715

EMAIL ADDRESS: product_safety.gr-sik@lmco.com

ATTENTION: Gr-SIK, Product_Safety
SIKORSKY AIRCRAFT CORPORATION

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.

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. 61B40-11 **Compliance Record Card**

TITLE: Flight Controls – One-Time Inspection of Mixer Unit Component Log Card for Arm Assembly (S6140-62614-009) and Verification of the Component Life Limit

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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