

C1B-043
Revision A - August 26, 2015

TRANSMITTAL

Alert Service Bulletin (ASB) C1B-043 dated December 18, 2014 has been revised. This page accompanies Revision A, dated August 26, 2015.

ASB C1B-043A dated August 26, 2015 supersedes the Basic Issue of ASB C1B-043, dated December 18, 2014. Text changes are indicated by a vertical line in the outer margin of the page. Illustration changes are indicated by a vertical line next to the figure title.

INSTRUCTIONS TO OPERATORS:

Operators that have complied with ASB C1B-043 dated December 18, 2014, no further action is required.

Operators that have not complied with the Basic Issue, comply with Revision A in its entirety.

HIGHLIGHTS OF THIS REVISION:

EFFECTIVITY

Revised to add spares.

COMPLIANCE

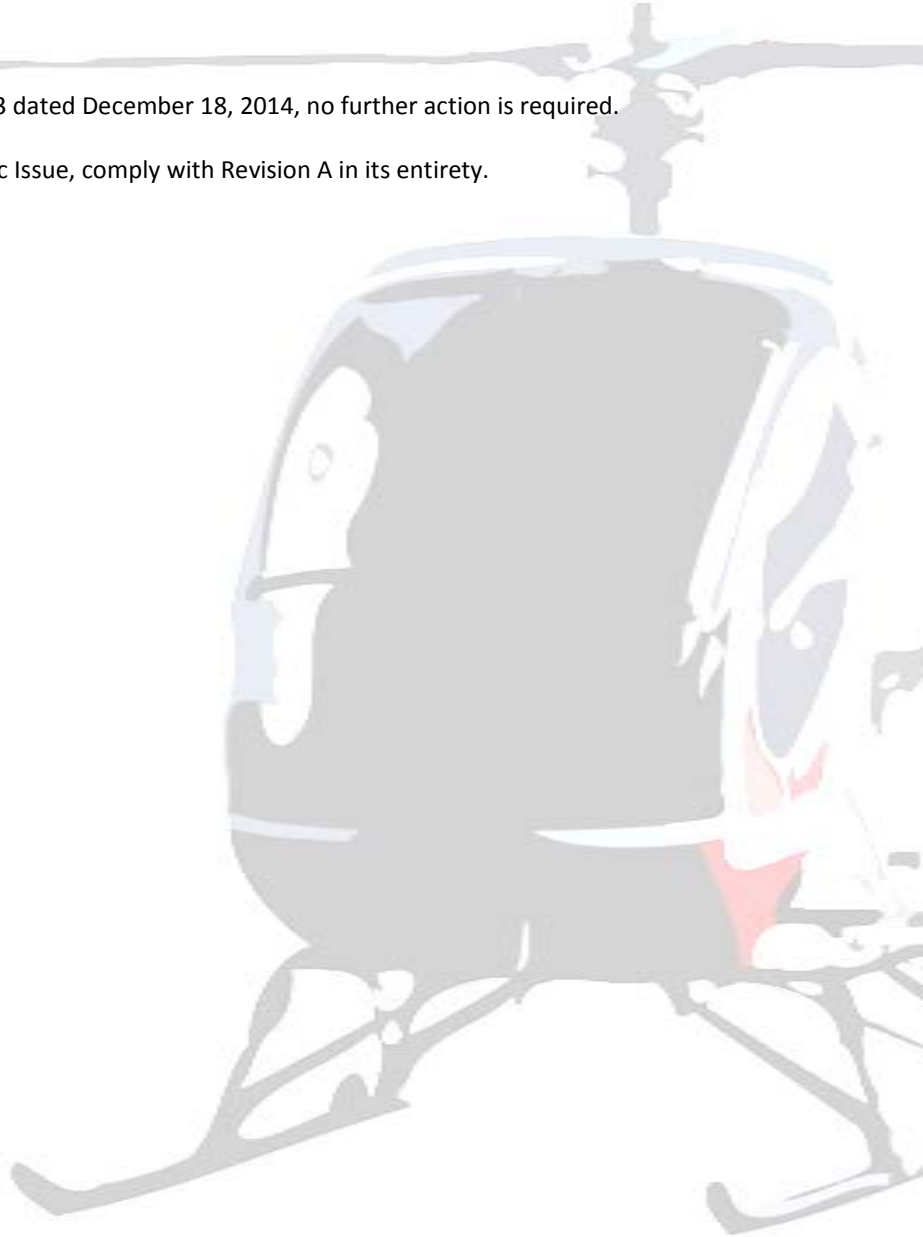
Revised compliance time.

PUBLICATIONS AFFECTED

Revised to none.

ACCOMPLISHMENT INSTRUCTIONS

Step E.(1): Added ASB number.





269C-1™ HELICOPTER

ALERT SERVICE

BULLETIN

NOTICE TO ALL PERSONS RECEIVING THIS DOCUMENT:

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ASB C1B-043A

December 18/14

Revision A • August 26/15

SUBJECT: POWER TRAIN – Lower Coupling Drive Shaft – One-Time Inspection of Lower Coupling Drive Shaft and Shaft Assembly

Section 1. PLANNING INFORMATION

- A. **Effectivity** All 269C-1 model helicopters with lower coupling drive shaft (269-5412, 269A5504, 269A5504-003, 269A5504-005, 269A5559, or 269A5559-003) and lower coupling drive shaft (269A5559 and 269A5559-003) spares with one or more flight hours as of the original issue date of this Alert Service Bulletin (ASB).
- B. **Purpose** To perform a one-time inspection of lower coupling shaft and shaft assembly for damage and/or wear.
- C. **Description** Helicopter is prepared for inspection. Access is gained to the lower coupling drive shaft and shaft assembly. Lower coupling drive shaft and shaft assembly are removed. Lower coupling drive shaft and shaft assembly is visually inspected for damage and/or wear. If necessary, the lower coupling drive shaft and shaft assembly is replaced. MPI (Magnetic Particle Inspection) is performed on lower coupling drive shaft. If inspection results determine lower coupling drive shaft is damaged, it is sent to Sikorsky Global Helicopters (SGH) and replaced. Helicopter is returned to service.
- D. **Compliance** Compliance is essential. The inspection outlined herein shall be accomplished within 25 flight hours, or 180 days from the original issue date of this ASB, or no later than June 16, 2015, whichever comes first.
- E. **Approval** Inspection Item.

ONE-TIME
INSPECTION

Section 1. PLANNING INFORMATION (Continued)

F. Manpower (Estimated)

| Task | No. of Men | No. of Hours* | Man-Hours* |
|---|------------|---------------|-------------|
| Prepare aircraft for maintenance (remove belt drive access cover if applicable) | 1 | 0.25 | 0.25 |
| Removal of Belt Drive Transmission / lower coupling drive shaft** | 2 | 0.90 | 1.80 |
| Remove rubber parts from Lower Coupling Drive Shaft | 1 | 0.50 | 0.50 |
| Chemically strip primer from lower coupling drive shaft | 1 | 2.00 | 2.00 |
| Perform visual inspection of lower coupling drive shaft | 1 | 0.50 | 0.50 |
| Perform MPI of lower coupling drive shaft*** | 1 | 1.00 | 1.00 |
| Prime lower coupling drive shaft | 1 | 2.00 | 2.00 |
| Install rubber parts onto lower coupling drive shaft | 1 | 0.60 | 0.60 |
| Installation of Lower Coupling Drive shaft and Belt Drive** | 2 | 1.50 | 2.25 |
| Install belt drive access cover if applicable | 1 | 0.30 | <u>0.30</u> |
| Total Man-Hours | | | 11.20 |

*Estimate does not include time required to repair helicopter or return it to an airworthy condition.

**Estimate does not require two people for entire task.

*** Estimate does not include time required for supplier to complete MPI (if outsourced).

Note: Hours for stripping and primer curing vary and are not included.

G. Tooling

- (1) Magnifying glass (10X) (commercially available or equivalent).
- (2) General Purpose Magnetic Particle Unit.
- (3) Three-phase full rectified AC or DC wet horizontal magnetizing unit with adjustable head and tail stocks.
- (4) Vehicle, Magnetic Particle Inspection Petroleum Base IAW AMS 2641.
- (5) Hall-effect probe gauss meter (30 - 60 Gauss).
- (6) Hand held black light (365 - 370 nanometers peak wavelength) (1200µW/cm²).

Section 1. PLANNING INFORMATION (Continued)

- (7) Magnetic Field Indicator, R.B. Annis Model 25, or equivalent (minimum indicator range of +10 to -10 Gauss).

H. Weight and Balance

Not affected.

I. Electrical Load Data

Not affected.

J. Software Load Data

Not changed.

K. References

- (1) Sikorsky Aircraft (SAC) Magnetic Particle Inspection Certified Suppliers.
- (2) Handbook of Maintenance Instructions (HMI) CSP-C1-2.

L. Publications Affected

None.

M. Attachment

Sikorsky Aircraft (SAC) Magnetic Particle Inspection Certified Suppliers.

Section 2. MATERIAL INFORMATION

A. Basis for Material Data

Per helicopter.

B. Bill of Material

None.

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 |
|-----|--|--|---------|
| A/R | Isopropyl Alcohol | TT-I-735 or equivalent | (1) |
| A/R | Dry Cleaning Solvent | MIL-PRF-680, Type I or equivalent | (1) |
| A/R | Bonderite S-ST 6930 Aerospace (formerly Turco EA Stripper 6930) Paint Stripper | 598671 or equivalent | (1) (2) |
| A/R | Neutral Paint Remover, Sea to Sky Innovations | SPC-909N or equivalent | (1) |
| A/R | Primer | MIL-PRF-23377, Type I, Class N or equivalent | (1) |
| A/R | Magnetic Particles, Fluorescent Wet Method, Dry Powder | AMS 3044 | (1) |

- (1) Procure from local supply.
- (2) Henkel Surface Technologies, <http://www.henkelna.com/technical-support-20532.htm?redDotUID=000000JK8>.



Section 3. ACCOMPLISHMENT INSTRUCTIONS

A. Prepare helicopter for modification:

- (1) Turn off all helicopter electrical power.
- (2) Gain access to the lower coupling drive shaft and shaft assembly.

B. Perform visual inspection as follows:

NOTE: If helicopter contains lower coupling drive shaft (269-5412), contact Sikorsky Engineering. Send notification to Email Address: S300ASB@sikorsky.com, Attn: SLH Engineering.

- (1) Remove and disassemble belt drive transmission assembly sufficiently to allow removal of lower coupling drive shaft. (Refer to HMI CSP-C1-2, Paragraph 10-43).
- (2) Remove lower coupling drive shaft from lower pulley. (Refer to HMI CSP-C1-2, Paragraph 10-71).



DO NOT USE SHARP TOOLS WHILE REMOVING THE RUBBER PARTS. SHARP TOOLS MAY DAMAGE LOWER COUPLING DRIVE SHAFT OR CORROSION PROTECTIVE FINISH.

- (3) Remove rubber parts and hardware (ring (269A5558), speed clamp (C3499-36-556), boot (269A5473), ring (RS-131-C), ring (269A5552), and retainer (269A5509-3)) from shaft. (Refer to HMI CSP-C1-2, Figure 10-11).
- (4) Thoroughly degrease lower coupling drive shaft with isopropyl alcohol (TT-I-735) or dry cleaning solvent (MIL-PRF-680, Type 1).

NOTE: If any of the paint strippers are not available, use equivalent products. Do not use abrasive materials. Remove and neutralize all paint stripper once completed.

- (5) Chemically remove paint from lower coupling drive shaft with paint stripper (598671, or SPC-909N or equivalent).
- (6) Using 10X magnifying glass, inspect lower coupling drive shaft for corrosion, pits, nicks, scratches, or dents in the parent steel. Pay particular attention to shaft surfaces between radii and to the radii themselves.
 - (a) If any indication of nicks, scratches, dents, or other surface defects are found, replace lower coupling drive shaft. Repairs are not allowed.

NOTE: If Magnetic Particle Inspection is not able to be performed by operator, refer to Sikorsky Aircraft Certified Magnetic Particle Inspection Vendor List.

NOTE: Personnel performing magnetic particle inspection for the acceptance of lower coupling drive shaft must be certified to level 2 or level 3 in accordance with the requirements of NAS410.

Section 3. ACCOMPLISHMENT INSTRUCTIONS (Continued)

- C. Perform MPI of the entire lower coupling drive shaft per processing specification ASTM E1444. Acceptance criteria shall be in accordance with MIL-STD-1907, Table I, Grade A.

NOTE: Inspection personnel shall verify amperages using a hall-effect probe gauss meter. Tangential field strength shall be between 30 - 60 gauss with measurements taken at the locations shown for each magnetizing sequence. Refer to Figure 1 for field and current direction and sequence measurement locations.

- (1) Perform MPI using equipment and settings listed in Table 1. Use sequence and current listed in Table 2.
 - (a) Critical areas are the radii at each end as illustrated by location of AS5371 shims.
 - (b) Demagnetize lower coupling drive shaft to less than 3 gauss after completion of MPI.
- (2) Upon completion of MPI, fill out Lower Coupling Drive Shaft and Shaft Assembly Data Sheet (Section E.), and Alert Service Bulletin Compliance Record Card. Send to Email Address: S300ASB@sikorsky.com, Attn: SLH Engineering.
- (3) If MPI results determine the lower coupling drive shaft is serviceable, restore primer finish (MIL-PRF 23377, Type I, Class N or equivalent). Make sure primer is cured in accordance with manufacturer's instructions. (Refer to HMI CSP-C1-2, Paragraph 10-75).
- (4) Install all rubber parts and hardware on lower coupling drive shaft in correct order and positions. (Refer to HMI CSP-C1-2, Figure 10-11, and Paragraph 10-48).
- (5) Assemble lower pulley assembly, belt drive transmission assembly, and lower coupling drive shaft assembly. (Refer to HMI CSP-C1-2, Paragraph 10-47).
- (6) Reinstall belt drive transmission assembly and return to service. (Refer to HMI CSP-C1-2, Figure 10-11 and Paragraph 10-48).
- (7) If inspection results determine lower coupling drive shaft is damaged or otherwise unserviceable, send lower coupling drive shaft to the following address:

Sikorsky Global Helicopters
URGENT: Engineering Evaluation
Attn: SLH Engineering
100 Cheshire Court
Coatesville, PA 19320

- (8) To procure a new lower coupling drive shaft, contact your local service center or appropriate H.S.I. customer service center representative.
- D. Return helicopter to service.

Section 3. ACCOMPLISHMENT INSTRUCTIONS (Continued)

E. Lower Coupling Drive Shaft and Shaft Assembly Inspection Data Sheet

NOTE: If component fails inspection, send part to Sikorsky Aircraft for further evaluation.
Send part to the following address:

Sikorsky Global Helicopters
URGENT: Engineering Evaluation
Attn: SLH Engineering
100 Cheshire Court
Coatesville, PA 19320

(1) Report the following data to Sikorsky Aircraft Corporation.

ASB No: ASB C1B-043A _____

Date ASB is Performed: _____

Helicopter Serial Number: _____

Helicopter Total Time Since New: _____

Part number of lower coupling drive shaft: _____

Serial number of lower coupling drive shaft: _____

Approximate number of hours on lower coupling drive shaft: _____

Is helicopter equipped with an engine
overspeed protection system? Yes _____ No _____

Did visual inspection conclude lower coupling
drive shaft was unserviceable? Yes _____ No _____

Did Magnetic Particle Inspection conclude
coupling driveshaft was unserviceable? Yes _____ No _____

Was Magnetic Particle Inspection performed
by the customer? Yes _____ No _____

If "No", provide name and contact info of
vendor: _____



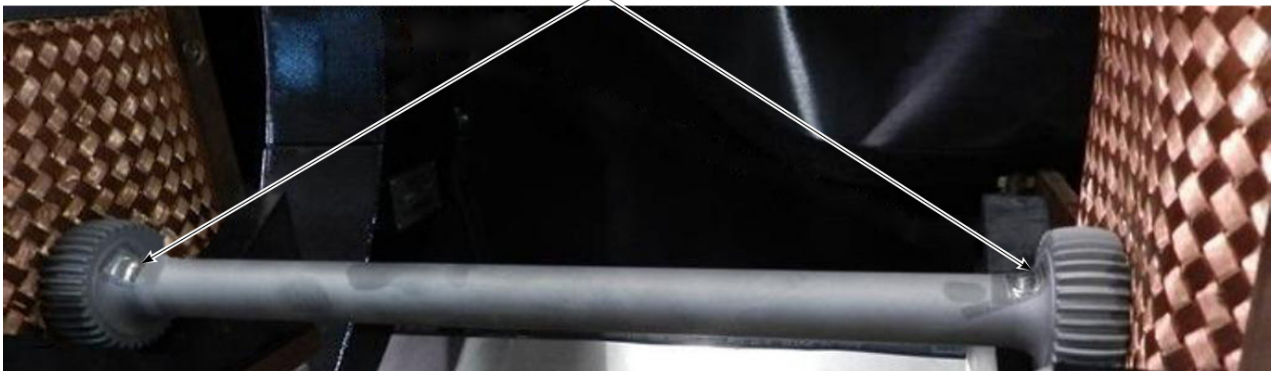
Section 3. ACCOMPLISHMENT INSTRUCTIONS (Continued)

| Table 1 Equipment and Materials | |
|---|--|
| Equipment: Wet Horizontal Unit | Inspection Area: Entire Part |
| Inspection Method(s): Wet Continuous and Fluorescent | Particle Type: AMS 3044, AMS 3045 or AMS 3046 |
| Current: FWDC | Vehicle: AMS 2641 |
| Shot Duration: 0.5 Second Minimum | Concentration: 0.1 - 0.4 mL |
| Residual Magnetism: Not to Exceed 3 Gauss | Minimum Intensity: 1,200 mW/CM2 minimum at the part surface |

| Table 2 Magnetic Particle Inspection Method | | | | | |
|--|-----------|-----------|-----------|-------|-------------------|
| Sequence | Head Shot | Coil Shot | | | Notes |
| | Amperes | Amperes | Diameter | Turns | |
| 1 | 400 | | | | |
| 2 | 700 | | | | |
| 3 | | 1500 | 30 inches | 5 | 7500 Ampere Turns |

Section 3. ACCOMPLISHMENT INSTRUCTIONS (Continued)

FIELD DIRECTION FOR
SEQUENCE NO. 1, 2, AND 3
VERIFIED USING AS5371
SHIMS IN THESE LOCATIONS

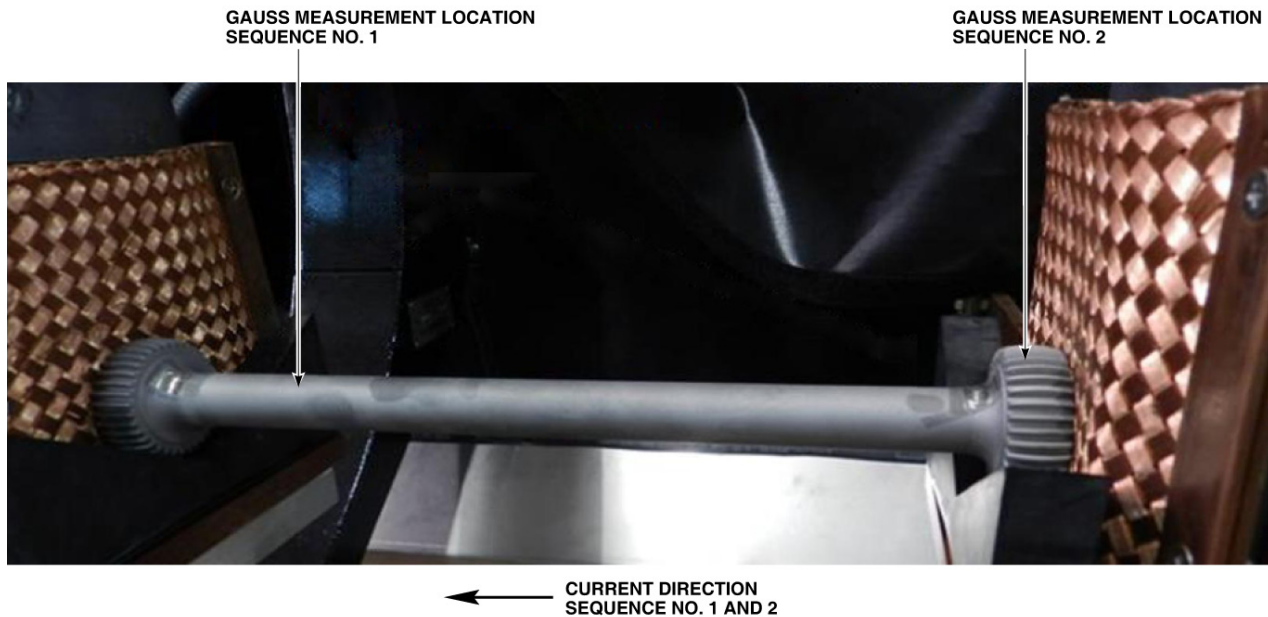


TD3417
SA

LOWER COUPLING DRIVE SHAFT – MAGNETIC PARTICLE INSPECTION FIELD DIRECTION
FIGURE 1 (SHEET 1 OF 3)

ONE-TIME
INSPECTION

Section 3. ACCOMPLISHMENT INSTRUCTIONS (Continued)

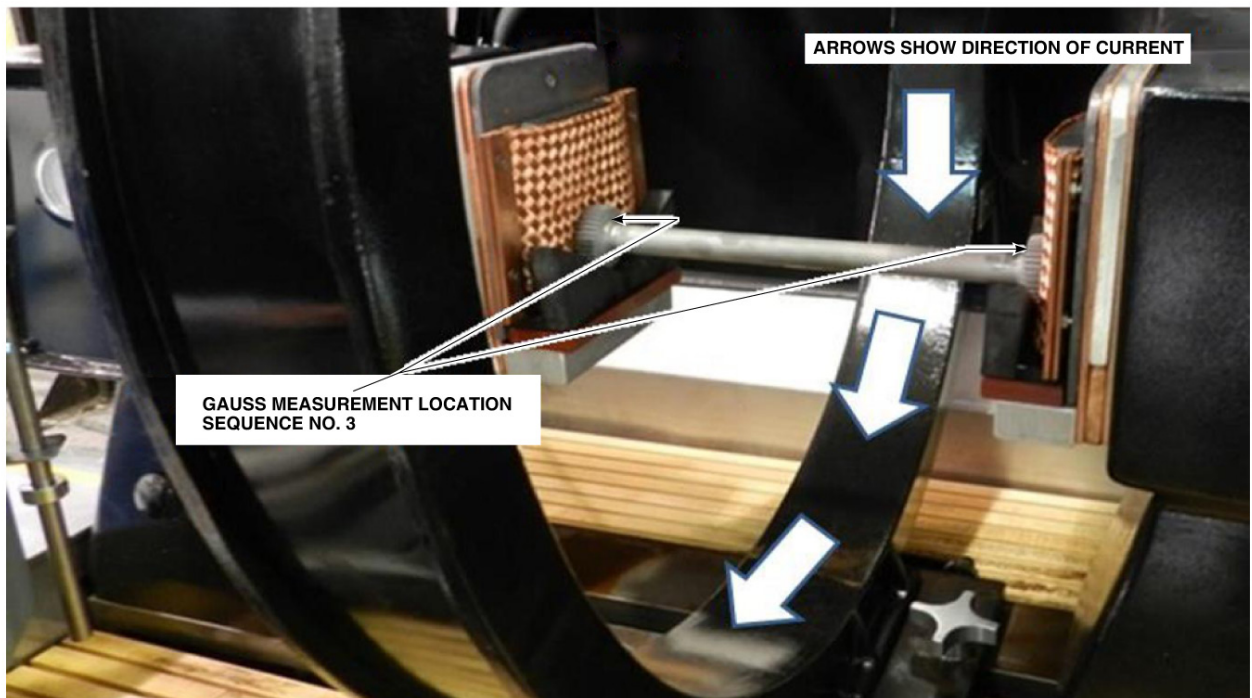


TD3418
SA

LOWER COUPLING DRIVE SHAFT – MAGNETIC PARTICLE INSPECTION
FIGURE 1 (SHEET 2)

ONE-TIME
INSPECTION

Section 3. ACCOMPLISHMENT INSTRUCTIONS (Continued)



TD3419
SA

LOWER COUPLING DRIVE SHAFT – MAGNETIC PARTICLE INSPECTION
FIGURE 1 (SHEET 3)

ONE-TIME
INSPECTION

Section 3. ACCOMPLISHMENT INSTRUCTIONS (Continued)

F. 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 ASB Work Sheet 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

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 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 C1B-043A **Compliance Record Card**

TITLE: POWER TRAIN – Lower Coupling Drive Shaft – One-Time Inspection of Lower
Coupling Drive Shaft and Shaft 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)



No Postage
Necessary

BUSINESS REPLY MAIL
FIRST-CLASS MAIL PERMIT NO. 432 BRIDGEPORT CT

POSTAGE WILL BE PAID BY ADDRESSEE

SIKORSKY AIRCRAFT CORPORATION
P.O. BOX 9729
6900 MAIN STREET
STRATFORD, CONNECTICUT 06615-9129 U.S.A.
MAILSTOP: **S328A**
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
or fold and return ENTIRE form to Sikorsky Aircraft Corporation

Sikorsky Aircraft Certified Magnetic Particle Inspection Vendor List

| SCode | Name | Telephone | Address | City | ST | Zip | Ctry | Process | Code |
|--------|-------------------------------------|--------------------|---------------------------------------|--------------------|----|------------|------|---------|-------|
| 020616 | EMBRAER-EMPRESA BRASILEIRA DE | 55-1239271370 | AV. BRIG FARIA LIMA 2170 | S. JOSE DOS CAMPOS | BR | 12227-901 | BR | NDI | MT |
| SP2007 | AEROCOM | 905-823-4933 | 2222 SOUTH SHERIDAN WAY UNIT 2 | MISSISSAQUA | CA | L5J2M4 | CA | NDI | MT(C) |
| 007702 | ARNPRIOR AEROSPACE INC. | 613-623-1800 | 107 BASKIN DRIVE EAST | ONTARIO | CA | 3M1 | CA | NDI | MT |
| 004416 | FAG AEROSPACE INC. | 3 | 151 WRIGHT BLVD | STRATFORD | CA | N4Z 1H3 | CA | NDI | MT |
| 007605 | HEROUX DEVTEK | 450-629-3453 | 3675 INDUSTRIAL BLVD. | LAVAL | CA | H7L 4S3 | CA | NDI | MT |
| 006128 | NORTHSTAR AEROSPACE | 905-875-4000 | 180 MARKET DRIVE | MILTON | CA | L9T 3H5 | CA | NDI | MT |
| SP2065 | TECNICHROME AERONAUTIQUE INC. | 514-640-0333 | 12264 APRIL STREET | MONTREAL | CA | QC H1B-5N | CA | NDI | MT |
| 020612 | AVIC INTERNATIONAL HOLDING CORP. | 86-7988462161 | ROOM 1310 CATIC PLAZA | BEIJING | CN | 100101 | CN | NDI | MT |
| 003916 | AERO VODOCHODY AEROSPACE A.S. | 420-255-762-829 | 250 70 ODOLENA VODA | ODOLENA VODA | CZ | | CZ | NDI | MT |
| 000422 | FAG AEROSPACE GMBH & CO. KG | 49-9721-912-486 | GEORGE SHAFER STRASSE 30 | SCHWEINFURT | DE | D-97421 | DE | NDI | MT |
| SP2166 | GAZC TRATAMIENTOS SUPERFICIALES | 011 34 916 912 613 | CALLE CARTAGENA P.I. LA ESTACION | MADRID | ES | 28320 | ES | NDI | MT |
| 094720 | WESTLAND HELICOPTERS LIMITED | 44-1935-704182 | LYSANDER ROAD | YEOVIL | GB | BA202YB | GB | NDI | MT |
| SP2028 | VIJAYA METAL FINISHERS | 91-80-28361469 | #365, 10TH CROSS, 4TH PHASE | BANGALORE | IN | 560058 | IN | NDI | MT |
| 006015 | AVIO SPA | 39-0110082978 | VIA 1 MAGGIO, 99 | RIVALTA | IT | 10040 | IT | NDI | MT(C) |
| 007572 | PZL-MIELEC | 48-17-788-7793 | WOJSKA POLSKIEGO 3 | 39-300 MIELEC | PL | | PL | NDI | MT |
| 002532 | ALP HAVACILIK (ALP AVIATION) | 90-222-236-1300 | ORGANIZE SAN BOLGESI 8. CAD. | ESKISEHIR | TR | 26110 | TR | NDI | MT(C) |
| 017319 | TUSAS AEROSPACE INDUSTRIES | 90-312811-1800 | FETHIYE MAH. HAVACILIK BULVARI NO. 17 | ANKARA | TR | 06690 | TR | NDI | MT |
| 020694 | AEROSPACE INDUSTRIAL DEV CORP | 886-4-2702-0001 | 111-4, LANE 68,FU-SHING N. RD | TAICHUNG | TW | | TW | NDI | MT |
| SP2086 | AAR SUMMA TECHNOLOGY | 256-830-7216 | 140 SPARKMAN DRIVE | HUNTSVILLE | AL | 35805-1916 | US | NDI | MT |
| SP020 | AIRCRAFT X-RAY | 323-587-4141 | 5216 PACIFIC BLVD | HUNTINGTON PARK | CA | 90255 | US | NDI | MT |
| 002824 | AVIBANK MFG., INC. | 818-392-2172 | 11500 SHERMAN WAY | NORTH HOLLYWOOD | CA | 91605 | US | NDI | MT |
| SP2156 | CIRCOR AEROSPACE. | 915-270-6424 | 1241 OLD TEMESCAL RD | CORONA | CA | 92881 | US | NDI | MT(C) |
| SP1059 | CPP | 805-488-6451 | 705 INDUSTRIAL AVE | PORT HUENME | CA | 93041 | US | NDI | MT |
| SP361 | DRILUBE / ALL METALS PROCESSING | 714-828-8238 | 8401 STANDUSTRIAL AVENUE | STANTON | CA | 90680 | US | NDI | MT |
| SP2072 | ELECTROLURGY INC | 949-250-4494 | 1121 DURYE AVE | IRVINE | CA | 92614 | US | NDI | MT |
| SP909 | ELEMENT MATERIALS TESTING | 310-632-8500 | 18100 S. WILMINGTON AVE. | RANCHO DOMINGUEZ | CA | 90220 | US | NDI | MT |
| SP2136 | MISTRAS SERVICES. | 323-560-7343 | 8427 ATLANTIC AVENUE | CUDAHY | CA | 90201 | US | NDI | MT |
| SP2018 | MS AEROSPACE | 818-833-9095 | 13928 BALBOA BLVD | SYLMAR, CA | CA | 91342 | US | NDI | MT |
| SP198 | OMNI METAL FINISHING | 714-979-9414 | 11665 COLEY RIVER CIRCLE | FOUNTAIN VALLEY | CA | 92708 | US | NDI | MT(C) |
| 005993 | PANKL AEROSPACE SYSTEMS | 562-207-6300 | 16615 EDWARDS ROAD | CERRITOS | CA | 90703 | US | NDI | MT(C) |
| 079719 | SHUR-LOK CORP | 949-474-6000 | 2541 WHITE ROAD | IRVINE | CA | 92614 | US | NDI | MT(C) |
| SP2094 | SONIC INDUSTRIES | 520-744-1000 | 20030 NORMANDIE | TORRANCE, CA. | CA | 90502-1210 | US | NDI | MT |
| SP969 | SPS TECHNOLOGY | 714-545-9311 | 2701 SOUTH HARBOR BOULEVARD | SANTA ANA | CA | 92704 | US | NDI | MT |
| SP2135 | TRIUMPH PROCESSING - EMBEE DIVISION | 714-546-9842 | 2136 SOUTH HATHAWAY STREET | SANTA ANA | CA | 92705 | US | NDI | MT(C) |
| 001696 | AERO GEAR INCORPORATED | 860-688-0888 | 1050 DAY HILL ROAD | WINDSOR | CT | 06095-1704 | US | NDI | MT |
| SP2142 | APPLUS RTD | 860-643-1073 | 275 PROGRESS DR | MANCHESTER | CT | 06042 | US | NDI | MT(C) |
| 004775 | CONNECTICUT TOOL | 860-793-1919 | 35 CORPORATE AVENUE | PLAINVILLE | CT | 06062 | US | NDI | MT |
| 024880 | CONSOLIDATED INDUSTRIES | 203-272-5371 | 677 MIXVILLE ROAD | CHESHIRE | CT | 06410 | US | NDI | MT |
| SP178 | METALS TESTING CO. | 860-289-8225 | 80 KIMBERLY DRIVE | SOUTH WINDSOR | CT | 06074 | US | NDI | MT(C) |
| SP1021 | MET-L-TEST | 203-377-2429 | 115 BROWNING ST | STRATFORD | CT | 06497 | US | NDI | MT(C) |
| 004922 | OVERHAUL SUPPORT SERVICES | 860-264-2101 | 5 CONNECTICUT SOUTH DRIVE | EAST GRANBY | CT | 06026 | US | NDI | MT(C) |

Sikorsky Aircraft Certified Magnetic Particle Inspection Vendor List (Continued)

| SCode | Name | Telephone | Address | City | ST | Zip | Ctry | Process | Code |
|--------|-------------------------------------|-------------------|-------------------------------|--------------------|----|------------|------|---------|-------|
| 006877 | PTI INDUSTRIES INC. | 860-698-9266 | 2 PEERLESS WAY | ENFIELD | CT | 06082 | US | NDI | MT(C) |
| 008615 | RBC AIRCRAFT PRODUCTS, INC. | 860-626-7822 | 2788 WINSTED ROAD | TORRINGTON | CT | 06790 | US | NDI | MT |
| 037620 | SPX PRECISION COMPONENTS | 860-594-4419 | 300 FENN ROAD | NEWINGTON | CT | 06111 | US | NDI | MT(C) |
| SP187 | TEAM INDUSTRIAL SERVICES | 860-828-6333 | 196 WOODLAWN ROAD | BERLIN | CT | 06037 | US | NDI | MT |
| 073920 | TIMKEN AEROSPACE TRANSMISSIONS, LLC | 860-649-0000 | 586 HILLIARD ST | MANCHESTER | CT | 06045-1898 | US | NDI | MT(C) |
| 007502 | TURBINE CONTROLS, INC. | 860-761-7527 | 5 OLD WINDSOR RD. | BLOOMFIELD | CT | 06002 | US | NDI | MT |
| SP268 | TYGOR LABS | 203-877-9390 | 79 EASTERN STEEL ROAD | MILFORD | CT | 06460 | US | NDI | MT(C) |
| 014872 | AID CORPORATION | 706-782-4245 | LAUREL HEIGHTS DRIVE | CLAYTON | GA | 30525-5260 | US | NDI | MT |
| 009657 | ARROW GEAR CO. | 630-969-7640 | 2301 CURTIS STREET | DOWNERS GROVE | IL | 60515 | US | NDI | MT |
| SP162 | MAGNETIC INSPECTION LAB | 847-437-4488 | 1401 GREENLEAF | ELK GROVE VILLAGE | IL | 60007 | US | NDI | MT |
| SP352 | EMERSON - MCGILL MFG | 219-465-2322 | 2300 EAST EVANS AVENUE | VALPARAISO | IN | 46383 | US | NDI | MT |
| SP2172 | 3P PROCESSING, INC | 316-529-0506 | 1702 S. KNIGHT | WICHITA | KS | 07213 | US | NDI | MT |
| SP2044 | HANSEN AEROSPACE LABORATORY, INC. | 978-777-1000 X13 | DANVERS INDUSTRIAL PARK, RT 1 | DANVERS | MA | 01923 | US | NDI | MT |
| 007810 | BMT AEROSPACE U.S.A. | 586-285-7700 | 18559 MALYN BLVD. | FRASER | MI | 48026 | US | NDI | MT(C) |
| 000084 | CHARDAM GEAR COMPANY | 586-795-8900 X204 | 40805 MOUND RD | STERLING HEIGHTS | MI | 48310 | US | NDI | MT |
| SP1103 | H&S INSPECTION | 248-362-8141 | 422 OLIVER DR | TROY | MI | 48084 | US | NDI | MT(C) |
| 052080 | KAYDON CORP | 231-755-3747 | MC CRACKEN STREET | MUSKEGON | MI | 49441-3421 | US | NDI | MT |
| 007297 | TGS-MACOMB, INC. | 586-992-8830 | 15375 23 MILE ROAD | MACOMB | MI | 48042 | US | NDI | MT(C) |
| SP320 | X-R-I TESTING | 248-362-5050 | 1961 THUNDERBIRD | TROY | MI | 48084 | US | NDI | MT |
| SP011 | AERO METALS FINISHING | 636-677-1650 | 2150 NORTH LARK DRIVE | FENTON | MO | 63026 | US | NDI | MT |
| 007807 | TIMKEN AEROSPACE | 828-287-2200 | 1510 US 221 SOUTH | RUTHERFORDTON | NC | 28139 | US | NDI | MT |
| 064501 | NEW HAMPSHIRE BALL BEARING | 603-524-0004 | 155 LEXINGTON DRIVE | LACONIA | NH | 03246 | US | NDI | MT(C) |
| 082260 | TIMKEN AEROSPACE (SBB) | 603-443-5270 | 336 MECHANIC STREET | LEBANON | NH | 03766 | US | NDI | MT |
| 059400 | MC WILLIAMS FORGE CO INC | 201-627-0200 | FRANKLIN ROAD | ROCKAWAY | NJ | 07866 | US | NDI | MT |
| SP006 | ADVANCED COATING TECHNIQUES | 631-643-4555 | 313 WYANDANCH AVENUE | NORTH BABYLON | NY | 11704 | US | NDI | MT(C) |
| SP1071 | LAWRENCE RIPAK | 631-694-1818 | 165 FIELD ST | WEST BABYLON | NY | 11704 | US | NDI | MT(C) |
| SP2010 | METAL IMPROVEMENT COMPANY | 631-694-8770 | 210 CANDLEWOOD ROAD | BAY SHORE | NY | 11706 | US | NDI | MT(C) |
| 003238 | PRECISION GEAR | 718-321-7200 | 112-07 14TH AVENUE | COLLEGE POINT | NY | 11356 | US | NDI | MT(C) |
| 006141 | SKF AEROENGINE NORTH AMERICA | 716-661-2775 | ONE MAROCO ROAD | FALCONER | NY | 14733 | US | NDI | MT |
| SP348 | LORD CORPORATION | 937-278-9431 | 4644 WADSWORTH RD | DAYTON | OH | 45414 | US | NDI | MT |
| SP200 | ORBIT INDUSTRIES | 216-243-3311 | 6840 LAKE ABRAM DRIVE | MIDDLEBURG HEIGHTS | OH | 44130 | US | NDI | MT |
| 083195 | SIFCO FORGE GROUP | 216-432-6273 | 970 EAST 64TH ST. | CLEVELAND | OH | 44103 | US | NDI | MT |
| SP2134 | SOUTHWEST UNITED INDUSTRIES | 918-587-4161 | 422 SOUTH ST. LOUIS AVE. | TULSA | OK | 74120 | US | NDI | MT |
| SP1044 | ACUTEC PRECISION MACHINING | 814-763-3214 | 16891 STATE HIGHWAY | SAEGERTOWN | PA | 16433 | US | NDI | MT |
| SP311 | LABORATORY TESTING | 215-997-3909 | 2331 TOPAZ DR. | HATFIELD | PA | 19440 | US | NDI | MT |
| 007253 | LORD CORPORATION | 814-868-5424 | 1635 WEST 12TH ST. | ERIE | PA | 16512 | US | NDI | MT |
| SP1111 | SPS TECHNOLOGIES | 215-572-3257 | 301 HIGHLAND AVE. | JENKINTOWN | PA | 19046 | US | NDI | MT |
| 000410 | RBC AEROSTRUCTURES | 864-886-4600 | 123 COMMERCE WAY | WESTMINSTER | SC | 29693 | US | NDI | MT |
| SP1040 | AADFW INC | 817-540-0153 | 2161 REGAL PARKWAY | EULESS | TX | 76040 | US | NDI | MT |
| SP1106 | HI-TECH METAL FINISHING | 940-349-6086 | 1500 INTERSTATE 35 W | DENTON | TX | 76207 | US | NDI | MT |
| 007603 | M7 AEROSPACE | 210-249-7497 | 10823 N.E. ENTRANCE RD. | SAN ANTONIO | TX | 78216 | US | NDI | MT |
| SP957 | W. PAT CROW FORGINGS, INC. | 817-536-2861 | 200 LUXTON ST. | FORT WORTH | TX | 76101 | US | NDI | MT |
| SP2128 | BLANCHARD METALS PROCESSING CO. | 801-972-5590 | 1115 SOUTH PIONEER ROAD | SALT LAKE CITY | UT | 84104 | US | NDI | MT |

Sikorsky Aircraft Certified Magnetic Particle Inspection Vendor List (Continued)

| SCode | Name | Telephone | Address | City | ST | Zip | Ctry | Process | Code |
|--------|---------------------------------|--------------|-------------------------|-----------------|----|------------|------|---------|-------|
| SP2110 | TRIUMPH GEAR SYSTEMS-PARK CITY | 435-647-2720 | 6125 SILVER CREEK DRIVE | PARK CITY | UT | 84068 | US | NDI | MT |
| SP012 | ASKO PROCESSING | 206-634-2080 | 434 NORTH 35TH STREET | SEATTLE | WA | 98103 | US | NDI | MT(C) |
| SP1054 | HYTEK FINISHES | 253-796-4548 | 8127 SOUTH 216TH ST | KENT | WA | 98032 | US | NDI | MT |
| SP974 | PROTECTIVE COATINGS | 253-854-9330 | 1208 4TH AVE N. | KENT | WA | 98188 | US | NDI | MT |
| 054150 | ATI LADISH LLC | 414-747-2611 | 5400 PACKARD AVE. | CUDAHY | WI | 53110-8902 | US | NDI | MT |
| SGH | CED TECH DBA MITCHELL LAB | 323-773-7835 | 10708 S GARFIELD AVE | SOUTH GATE | CA | 90280 | US | NDI | MT |
| SGH | METAL FINISHING | 316-267-7289 | 1423 SOUTH McLEAN BLVD | WICHITA | KS | 67213 | US | NDI | MT |
| SGH | MISTRAS SERVICES. | 610-497-0400 | 5 NEALY BLVD. | TRAINER | PA | 19061 | US | NDI | MT |
| SGH | BodyCOTE THERMAL PROCESSING | 323-583-1231 | 3370 BENEDICTWAY | HUNTINGTON PARK | CA | 90255 | US | NDI | MT |
| SGH | AEROTECH PROCESSING SOLUTIONS | 973-782-4485 | 57 WOOD STREET | PATERSON | NJ | 07524 | US | NDI | MT |
| SGH | NDE LABS INC. | 817-249-4760 | 1189 MERCEDES STREET | BENBROOK | TX | 76126 | US | NDI | MT |
| SGH | AEROSPACE TESTING LAB INC. | 860-882-1575 | 32 SOUTH SATELLITE ROAD | SOUTH WINDSOR | CT | 06074 | US | NDI | MT |
| SGH | ANAPLEX CORP. | 562-634-5700 | 15547 GARFIELD AVE. | PARAMOUNT | CA | 90723 | US | NDI | MT |
| SGH | AAA PLATING AND INSPECTION INC. | 310-637-1066 | 424 DIXON STREET | COMPTON | CA | 90222 | US | NDI | MT |