



SCHWEIZER SERVICE BULLETIN

B-282.1*
24 Sep 2004

MANDATORY

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SUBJECT: SUPPORT BRACKET (269A8460-3) THROTTLE BELLCRANK, INSPECTION FOR CRACKS

- MODELS AFFECTED:**
- Model 269C Helicopters, serial numbers S1730 and subsequent, equipped with optional throttle governor system 269A4995 incorporating a 269A8460-3 support bracket, and have not been modified by installation of SA-269K-115-1 or -3 Kit.
 - Model 269C Helicopters, serial numbers 0004 thru S1729, equipped with optional throttle governor system 269A4995 that have had the 269A8460-3 support installed as a spare, and have not been modified by installation of SA-269K-115-1 or -3 Kit.

TIME OF COMPLIANCE:

- PART I**
- Within 10 hours of flight time or the next Annual Inspection, whichever occurs first.
- PART II**
- Within 100 hours of flight time or within three months from issue date of this Service Bulletin, whichever occurs first.

REFERENCE: 269A, TH-55A, A-1, B & C Basic HMI (Issued: 15 Mar 1982; Revised: 20 Nov 2003)
269C 1809 & Subs. Basic HMI (Issued: 03 Oct 2003; Revised: 20 Nov 2003)
Service Notice N-180 (18 Jan 1982)

- PREFACE:**
- There have been reports of failure resulting from fatigue cracks in the 269A8460-1 Throttle Bellcrank Support used on some Model 269C-1 Helicopters. Although there have been no reports of cracks or failures on the 269A8460-3 Throttle Bellcrank Support used on certain Model 269C helicopters, an inspection and modification of these support brackets is appropriate due to their similarity. Part I of this Service Bulletin requires an inspection for cracks and to identify those 269A8460-3 supports that may be unserviceable and remove them from service. Part II of this Service Bulletin requires installation of Field Modification Kit; SA-269K-115-1 or -3.
 - Failure to comply with this Service Bulletin may lead to loss of control of the helicopter and subsequent injury, death and/or property damage.

FAA APPROVAL: The engineering aspects of this Service Bulletin (B-282.1) are FAA approved.

PARTS REQUIRED: SA-269K-115-1 or -3 Field Modification Kit (The -1 Kit includes all necessary parts; the -3 Kit requires local fabrication of 269A8460-15 angle.)

([]) Denotes portion of text added or revised

*Supersedes B-282, dated 06 Apr 2004

PROCEDURE:

PART I:

- a. Remove lower cowling to gain access to the front of the engine.

NOTE

Three versions of the support may be in service.

- b. Determine which version of the support is installed. This may require removal of the bellcrank. (There may not be any part numbers visible.)
- (1) 269A8419-7 is a one-piece support that has the ear for the lug welded to the mounting plate, installed on early aircraft and kits; not subject to this Service Bulletin.
- (2) 269A8419 -9 is a machined plate, incorporating the lug, which is used with a separate 269A8428-11 tube to which the inlet hose clamps; not subject to this Service Bulletin.
- (3) 269A8460-3 is a one piece casting and is subject to this Service Bulletin.
- c. Inspect the 269A8460-3 support as follows:
- (1) Remove the bellcrank.

CAUTION

Do not bend throttle extension to cable housing more than 5° or damage to the swaged joint may result requiring cable replacement.

- (2) Clean the upper web area below the bellcrank attachment lug.
- (3) Measure the thickness of the webs between the bellcrank lug and the body of the support. Minimum thickness is .090 inch.
- (4) Using a 10X glass and bright light, inspect the webs between the bellcrank lug and the body of the support for cracks, missing paint or corrosion in the magnesium.
- (5) Remove any corrosion and re-inspect for cracks.
- (6) If determination of condition is not conclusive; remove support, strip paint and dye check in accordance with Basic HMI, Section 2.
- d. Remove from service any cracked or excessively corroded parts, or parts that measure below minimum dimension.
- e. Install serviceable support and new gasket.
- f. Record compliance with Part I of this Service Bulletin in the aircraft records.

PART II

- a. Inspect the 269A8460-3 support in accordance with Part I. Modify brackets by installation of Field Modification Kit; SA-269K-115-1 or -3.
- b. No further action is required by this bulletin after the SA-269K-115-1 or -3 Field Modification Kit is installed.
- c. Record compliance with Part II of this Service Bulletin in the aircraft records.

WEIGHT AND BALANCE

Weight and balance are not affected.

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