



SCHWEIZER SERVICE BULLETIN

B-234
16 Dec 1991

MANDATORY

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SUBJECT: INSPECTION AND MODIFICATION OF LONGITUDINAL TRIM MOUNTING PLATE AND TRIM ARM STOP

MODEL AFFECTED: ● All Model 269B Helicopters
● Model 269C Helicopters with Serial Numbers 0001 thru 1415, 1417 thru 1439, 1441 and 1443

TIME OF COMPLIANCE: Shall be accomplished within next 100 flight hours

REFERENCE: ● BHMI - 269 Series Basic HMI (Reissued: 15 March 1982; Revision 1: 24 Aug 1990)
● HMIB - 269 Series HMI, Appendix B (Reissued: 15 August 1982)
● HMICSC - 269 Series Configuration Supplement C (Reissued: 15 September 1982; Revised: 15 March 1989)
● R-39 - HMI Temporary Revision 39 (16 Dec 1991)
● R-52 - HMI Temporary Revision 52 (16 Dec 1991)
● R-53 - HMI Temporary Revision 53 (16 Dec 1991)
● R-59 - HMI Temporary Revision 59 (16 Dec 1991)

PREFACE: Field reports indicate the possibility of the longitudinal trim spring cover lodging between the cyclic longitudinal trim mounting plate and the cyclic stick.

- **PART I:** Modification of longitudinal trim mounting plate to preclude the possibility of the spring cover lodging between the longitudinal trim mounting plate and the cyclic stick
- **PART II:** A one-time inspection on 269C helicopters to check for the correct installation of the longitudinal trim spring and a procedure for drilling arm stops manufactured with only one attachment hole

Failure to comply with this Service Bulletin could result in restriction of the cyclic controls, which may lead to the loss of control of the helicopter and subsequent injury or death.

TOOLS AND EQUIPMENT

<u>Nomenclature</u>	<u>Source</u>
Drill, electric/pneumatic	Commercial
Drill bit, .13 inch	Commercial
File, hand	Commercial
Grinder	Commercial

MATERIALS

<u>Nomenclature</u>	<u>Item Number</u>	<u>Specification</u>	<u>Source</u>
Cement, rubber	80	Mil-A-5092 Type II	Commercial
Primer, zinc chromate	9		Commercial
Toluene			Commercial

PROCEDURE:

PART I MODIFICATION OF LONGITUDINAL TRIM MOUNTING PLATE

- a. Remove pilot seat assembly to gain access to longitudinal trim assembly.
- b. Carefully remove carpeting (as required).
- c. Remove longitudinal trim assembly in accordance with BHMI, Section 8 (BHMI8).
- d. Disassemble longitudinal trim assembly as required (BHMI8).
- e. Locate section of longitudinal trim mounting plate to be modified (Figure B-234-1, Detail A-1).
- f. Using extreme care, remove excess material from longitudinal trim mounting plate, with grinder and/or file (Figure B-234-1, Detail A-2).
- g. Remove all burrs and sharp edges, and apply zinc chromate primer to reworked area.

NOTE

For Model 269C helicopters, proceed to and comply with Part II prior to reassembling and installing longitudinal trim assembly.

- h. Reassemble and install longitudinal trim assembly (BHMI8).
- i. Using rubber cement and toluene (as required), reinstall carpeting (if previously installed).
- j. Record compliance with Part I of this Service Bulletin in the aircraft records.

PART II INSPECTION AND MODIFICATION OF THE TRIM ARM STOP

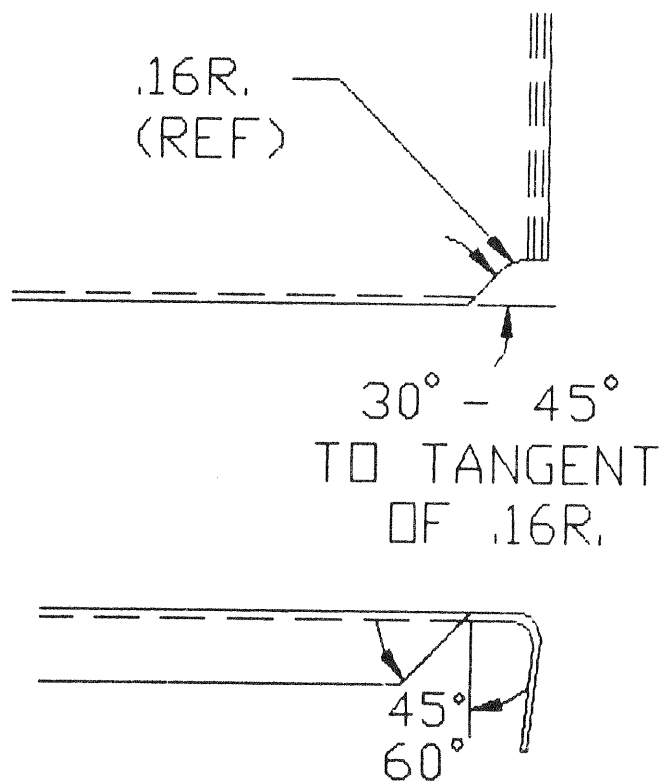
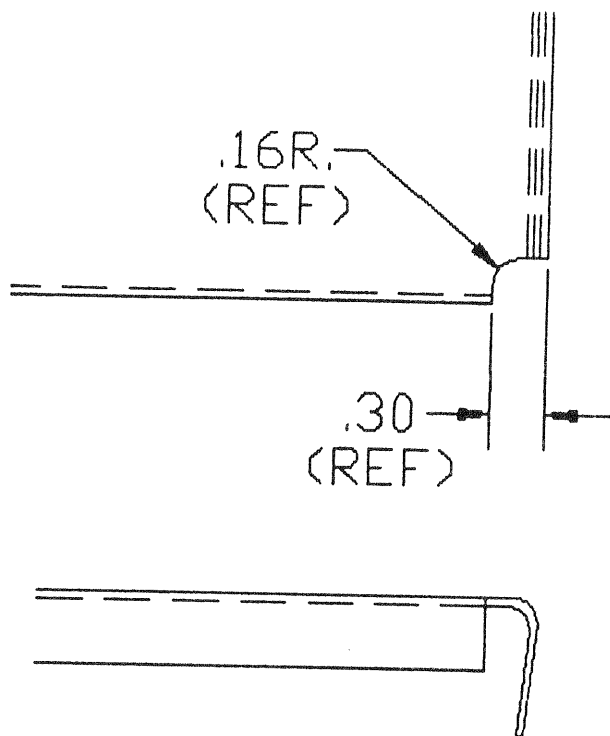
- a. Visually inspect attachment of longitudinal trim spring to arm stop in accordance with HMIB, Table B-2, 1200-Hour Inspection, as amended by Temporary Revision 59 (R-59).
- b. If hole is elongated replace trim arm stop (BHMI8).
- c. If trim spring to arm stop is incorrectly attached in accordance with BHMI, Figure 8-34, Detail A, as amended by HMI Temporary Revision 39 (R-39), remove longitudinal trim spring and install in correct hole.
- d. If arm stop was manufactured with one attachment hole, proceed as follows:
 - (1) Carefully remove carpeting (as required).
 - (2) Remove longitudinal trim assembly in accordance with BHMI, Section 8 (BHMI8).
 - (3) Disassemble longitudinal trim assembly as required (BHMI8).
 - (4) Mark arm stop from center of existing attachment hole in accordance with Figure B-234-2 and drill .13 inch diameter hole.
 - (5) Reassemble and install longitudinal trim assembly (BHMI8).
 - (6) Using rubber cement and toluene (as required), reinstall carpeting (if previously installed).
- e. Record compliance with Part II of this Service Bulletin in the aircraft records.

WEIGHT AND BALANCE

Weight and balance are not affected.

BEFORE MODIFYING

AFTER MODIFYING



DETAIL A-1

DETAIL A-2

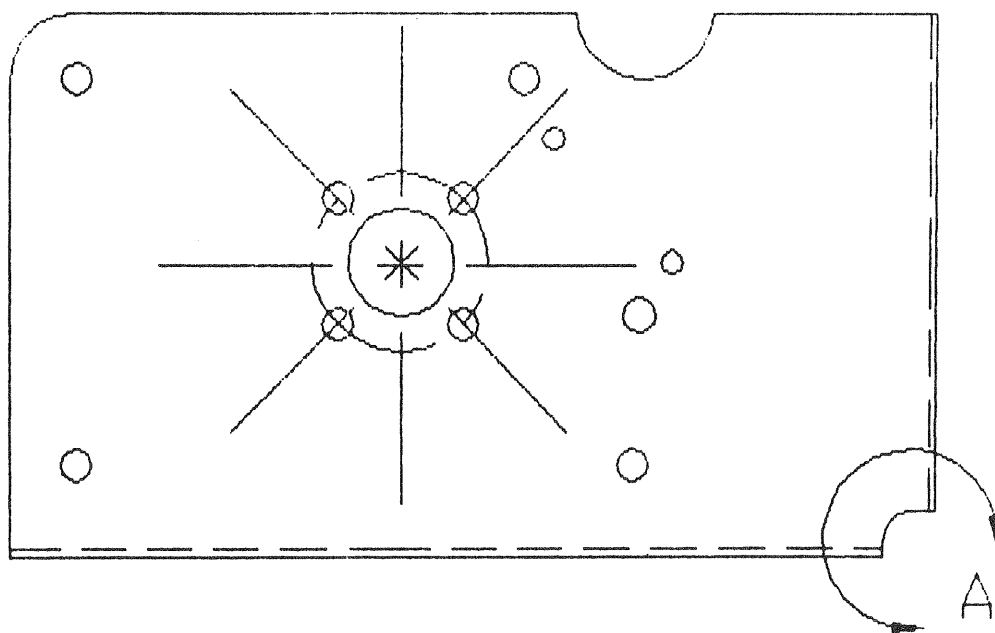


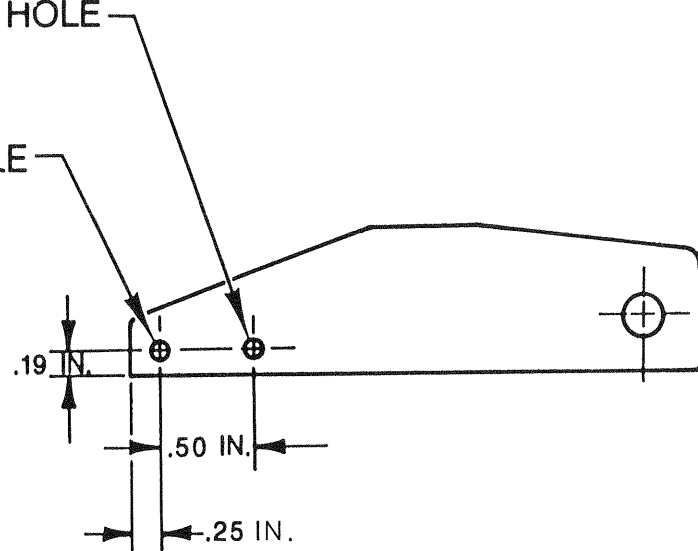
Figure B-234-1. Longitudinal trim mounting plate

NOTE 1:

OUTBOARD ATTACHMENT HOLE

NOTE 2:

INBOARD ATTACHMENT HOLE



Notes

1. Outboard attachment hole, (using the aircraft centerline as the point of reference) shall be used for 269C helicopter.
2. Either attachment hole may be used for the 269B helicopter.

Figure B-234-2. Arm stop

