



SCHWEIZER SERVICE BULLETIN

*B-251
20 Mar 1992

MANDATORY

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SUBJECT: INSPECTION OF CLUTCH CABLE ASSEMBLY AND TERMINAL END (P/N AN669L3RH OR MS21260L3RH)

MODELS AFFECTED: All 269A, 269A-1, 269B, TH-55A Helicopters and 269C Helicopters S/N 0001 through S/N 1349, as well as all clutch cable assemblies in spares stock purchased before 1 Jan 1990

- TIME OF COMPLIANCE:**
- PART I** ● Within next 50 hours of operation for all affected Model 269 Series Helicopters, or before 1 Feb 1993, whichever occurs first.
 - Inspect all affected clutch cable assemblies in spares stock within 90 days from date of this Service Bulletin, or prior to installing spare on helicopter, whichever occurs first
 - PART II** ● 269C Helicopters S/N 0510 through S/N 1216:
 - Within next 50 hours of operation unless accomplished within last 400 hours of operation
 - All 269A, 269A-1, 269B, 269C and TH-55A Helicopters:
 - At each 400 hour inspection in accordance with HMI Appendix B, as amended by HMI Temporary Revision R-64.
 - Affected cable assemblies in spare stock:
 - Within 90 days from date of this Service Bulletin, or prior to installing spare cable assembly on helicopter, whichever occurs first.

- REFERENCES:**
- 269 Series Basic HMI (Reissued 15 March 1982; Revision 1: 24 Aug 1990)
 - 269 Series HMI, Appendix B (Reissued 15 August 1982)
 - R-64 - HMI Temporary Revision 64 (20 Mar 1992)

- PREFACE:**
- Part I of this Service Bulletin provides a one-time inspection for undercutting and surface finish on cable assembly terminal end.
 - Part II provides for inspection of terminal end for possible bending due to mishandling.
 - Failure to comply with the requirements of this Service Bulletin at the time interval specified under TIME OF COMPLIANCE may result in failure of the clutch cable assembly, which could lead to a loss of control of the helicopter and subsequent serious injury, death and/or property damage.

*Supersedes Service Information Notice N-197, dated 28 Feb 1986

PART I TERMINAL END INSPECTION FOR SURFACE CONDITION

PROCEDURE:

NOTE

Surface roughness can be measured using a surface finish comparator, which may be purchased through a tool supply company.

- a. Visually inspect the thread end half of the terminal end, and the radius where the shaft contacts the center shoulder (Figure B-251-1). Any score mark or undercut, or any surface roughness greater than 125 Ra is cause for rejection.
- b. Record compliance with Part I of this Service Bulletin in the aircraft records.

PART II TERMINAL END INSPECTION FOR BENDING

PROCEDURE:

- a. Inspect clutch cable assembly terminal end for bending in accordance with Basic HMI, Section 10.
- b. Record compliance with Part II of this Service Bulletin in the aircraft records.

WEIGHT AND BALANCE DATA

Weight and Balance are not affected.

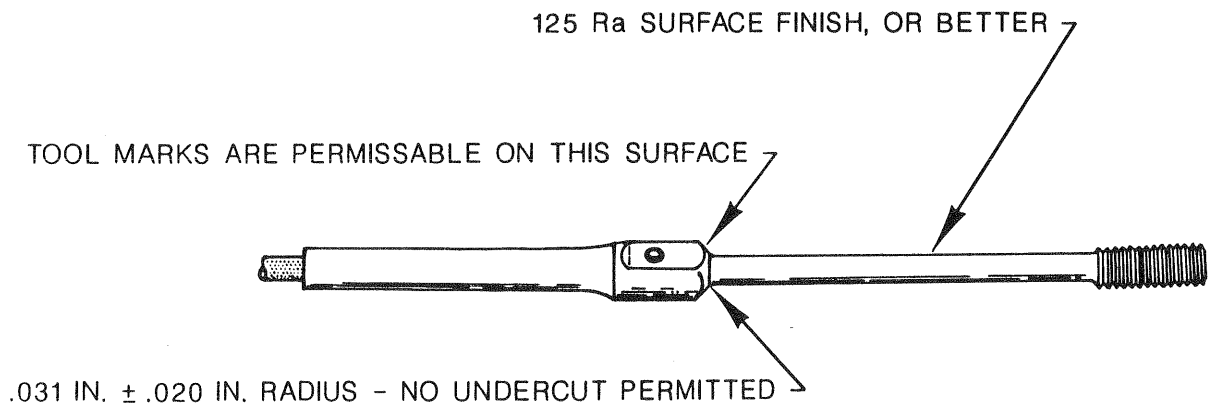


Figure B-251-1. Clutch Control Cable Terminal End