



SCHWEIZER SERVICE BULLETIN

*B-235.1
20 Mar 1992

MANDATORY

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SUBJECT: POSSIBLE RESTRICTION OF THROTTLE CONTROLS

- MODELS AFFECTED:
- PART I: All Model 269A and 269B Helicopters with fuel injected engines, and Model 269C Helicopters with Serial Numbers 0004 through 1480 and 1482 through 1486
 - PART II: All Model 269 Series Helicopters with fuel injected engines
 - PART III: All Model 269A and 269B Helicopters with fuel injected engines, and Model 269C Helicopters with Serial Numbers 0004 through 1480 and 1482 through 1486

- TIME OF COMPLIANCE:
- PART I: Before next flight
 - PART II: Before next flight, and before first flight of each day
 - PART III: Before next flight of any helicopter with drain tube assembly found defective by Part I inspection

At discretion of owners/operators of affected Model 269 Series Helicopters listed under MODELS AFFECTED PART III


- REFERENCES:
- HMIB - 269 Series HMI, Appendix B (Reissued: 15 August 1982)
 - R-48 - HMI Temporary Revision 48 (16 Dec 91)

PREFACE: Field reports indicate that it is possible for the drain tube assembly, on the fuel pump, to move out of position and contact the throttle control assembly. This condition may result in restriction of throttle controls which could lead to a loss of control of the helicopter and subsequent personal injury or death.

PART I provides a one-time inspection to check the 269A8326-95 drain tube assembly for correct length.

PART II provides a periodic inspection of the drain tube assembly.

PART III provides instructions for installation of the improved 269A8326-235 drain tube assembly on Model 269 Series Helicopters listed under MODELS AFFECTED, PART III.

() Denotes portion of text added or revised

*Supersedes B-235, dated 16 Dec 1991

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PART I ONE-TIME INSPECTION OF DRAIN TUBE ASSEMBLY

PROCEDURE:

- a. Measure overall length of 269A8326-95 drain tube assembly as shown on Figure B-235.1-1, Detail A, View AA. If drain tube assembly length is less than 7.50 inches, install new 269A8326-235 drain tube assembly in accordance with Part III.
- b. Record compliance with Part I of this Service Bulletin in the aircraft records.

PART II DAILY INSPECTION OF DRAIN TUBE ASSEMBLY

PROCEDURE:

- a. Perform daily inspection of 269A8326-95 (or -235) drain tube assembly in accordance with HMIB, Section 2, Table B-1, as amended by HMI Temporary Revision 48 (R-48).
- b. If drain tube assembly (Figure B-235.1-1, Detail A or B as applicable) is loose, correct as follows:

CAUTION

In step (1) below, do not overtighten fitting because cracking of fuel pump housing or thread damage may occur.

- (1) Loosen coupling nut and securely tighten 269A8308 fitting.
 - (2) Verify that drain tube assembly is oriented away from 269A8441 link assembly.
 - (3) Hold drain tube assembly in position and securely tighten coupling nut.
 - (4) Manually actuate throttle linkage from fully open to fully closed to verify that drain tube assembly DOES NOT interfere with movement of throttle linkage.
- c. Record compliance with Part II of this Service Bulletin in the aircraft records.

PART III INSTALLATION OF IMPROVED DRAIN TUBE ASSEMBLY

PARTS

<u>Nomenclature</u>	<u>Part Number</u>	<u>Quantity</u>	<u>Source</u>
Drain Tube Assembly	269A8326-235	1	SAC
Clamp	MS21333-98	1	SAC/Commercial

PROCEDURE:

- a. Unscrew coupling nut (Figure B-235.1-1, Detail A) and remove 269A8326-95 drain tube assembly.

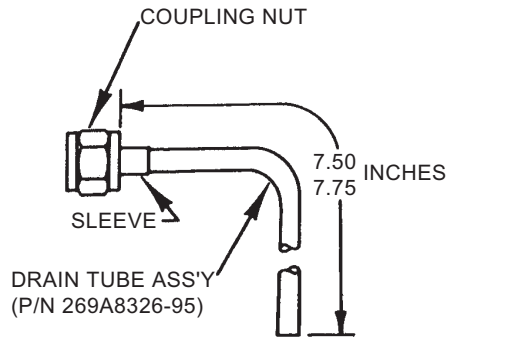
CAUTION

In step b. below, do not overtighten fitting because cracking of fuel pump housing or thread damage may occur.

- b. Securely tighten 269A8308 fitting.
- c. Remove nut and washer (Figure B-235.1-1, Detail B) from screw at lower corner of servo control assembly.
- d. Place new 269A8326-235 drain tube assembly with MS21333-98 clamp in mounting position as shown. Screw coupling nut on fitting, finger tight. Position clamp on screw at lower corner of servo control assembly. Install washer and nut, and securely tighten nut.
- e. Securely tighten coupling nut on 269A8308 fitting.
- f. Manually actuate throttle linkage from fully open to fully closed to verify that drain tube assembly DOES NOT interfere with movement of throttle linkage.
- g. Record compliance with Part III of this Service Bulletin in the aircraft records.

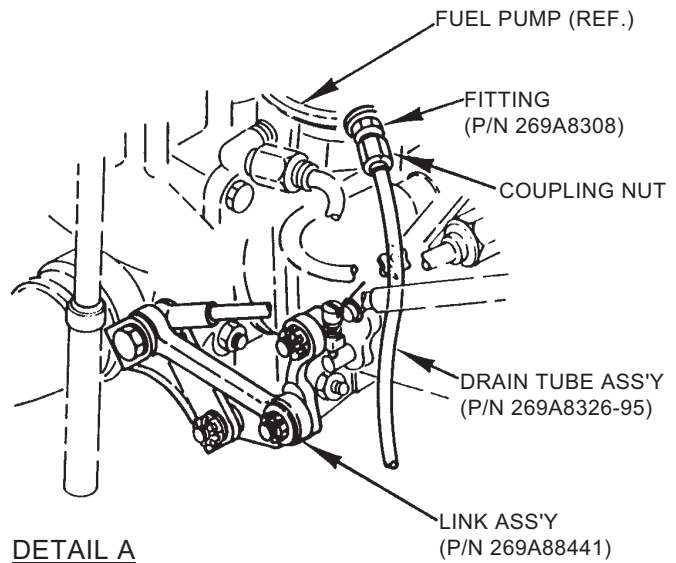
WEIGHT AND BALANCE

Weight and balance are not affected.

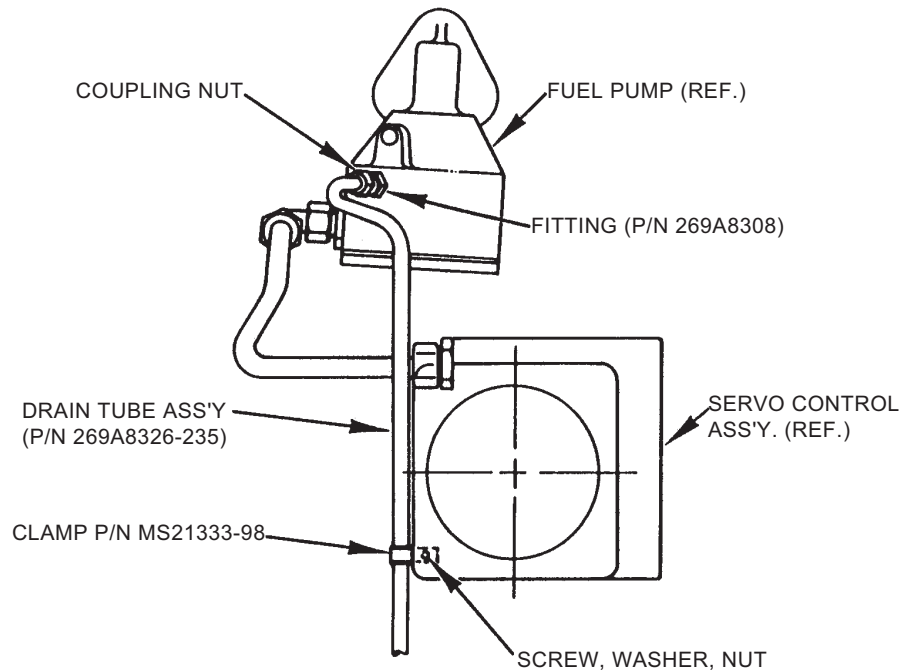


NOTE: LENGTH OF TUBE IS MEASURED FROM FORWARD FACE OF COUPLING NUT (WHEN SECURELY TIGHTENED TO 269A8308 FITTING) TO END OF TUBE, AS SHOWN.

VIEW AA



DETAIL A



DETAIL B

Figure B-235.1-1. Fuel Drain Tube Installation.