



SCHWEIZER SERVICE NOTICE

NOTICE NO. N-148

DATE 19 Sept 1977

PAGE 1 OF 3

MANDATORY

MANDATORY

MANDATORY

SUBJECT: INSPECTION OF SUMP CAP ATTACH HARDWARE - MAIN AND
AUXILIARY FUEL TANK ASSEMBLIES

MODELS AFFECTED: All Model 269 Series Helicopters

TIME OF COMPLIANCE: Shall be accomplished within next 100 hours of helicopter
operation, and at each 300-hour inspection interval
thereafter.

PREFACE: The information given in this Service Information Notice lists a procedure
for inspection of the MS20365D428 nuts and AN4DD7A bolts securing the
sump cap to the main and auxiliary fuel tanks.

Field reports indicate that cracking and damage to the aluminum nuts and
bolts has resulted from corrosive environment, and/or use of detergents
or cleaning solutions containing chemicals that cause corrosion embrittle-
ment of aluminum parts.

Reference

269 Series - Basic HMI, Issued 1 April 1973; Revision No. 4, 15 December 1976

NOTICE NO. N-148
DATE 19 Sept 1977
PAGE 2 of 3

PARTS LIST

<u>Nomenclature</u>	<u>Part Number</u>	<u>Qty</u>	<u>Mfr</u>
Nut - sump cap attach	MS20365D428	12*	Commercial
	or MS21044Dr	16**	Commercial
Bolt - sump cap attach	AN4DD7A	12*	Commercial
		16**	Commercial

* Quantity required for main fuel tank installed on 269A, TH-55A, and 269A-1 helicopters; and for auxiliary fuel tank installed on all 269 Series helicopters.

** Quantity required for main fuel tank installed on 269B and 269C helicopters.

MATERIALS

Recommended cleaning agents	Kerosene .. VV-K-211	Commercial
	VM and P Naphtha	Commercial
	Stoddard Solvent	Stoddard Co.
	#200 Solvent	Standard Oil Co.
	or equivalent	

PROCEDURE

CAUTION

General cleaning of oil and dirt deposits from the helicopter and its components at any time should only be accomplished by using one of the cleaning agents or solvents listed above. Some commercial cleaning agents, such as readily available household cleaners and detergents, contain chemicals that can cause corrosion embrittlement of metal parts. Examples of cleaning agents that are NOT to be used are "Fantastic" and "409" type cleaners, or locally made strong soap cleaners.

a. Using clean water or a recommended cleaning agent, remove any deposits of dirt, oil, etc from nuts and bolts securing sump cap to fuel tank.

b. Using dental mirror and flashlight, visually inspect nuts and bolt heads for evidence of cracks or damage.

NOTE

If cracking or damage to one or more nuts or bolts is noted, perform the following:

1. Remove fuel tank assembly, per Basic HMI.
2. Remove existing sump cap attach bolts and nuts; install new MS20365D428 nuts and AN4DD7A bolts; use existing washers. Install new bolts and nuts one or two at a time to preclude removal or replacement of sump cap gasket.
3. Torque nuts 30 to 45 inch-pounds. Do NOT over torque nuts.
4. Reinstall fuel tank assembly, per Basic HMI.
5. Check fuel tank installation and fuel system for leaks.

c. Record compliance with this Service Information Notice in Compliance Record of helicopter Log Book.

WEIGHT AND BALANCE DATA

Weight and balance not affected.

FAA APPROVED