



SCHWEIZER SERVICE INFORMATION NOTICE

NOTICE NO. N-118

DATE 20 May 1974

PAGE 1 OF 3

SUBJECT: CORROSION PREVENTION/INSPECTION - MAIN ROTOR
BLADE PN 269A1165 BLADE TIP WEIGHT AREA AND
TIP CAP

MODELS AFFECTED: All 269C Helicopters equipped with subject part number
main rotor blades; main rotor blades delivered as spares
replacement.

Factory equipped helicopters and spare main rotor blades
affected will have serial numbers prior to SN 1291.
Please note prior blades may have all "Numeral" serial
numbers or may be prefixed with a alpha character
"A" through "V".

TIME OF COMPLIANCE: At owners/operators discretion.

PREFACE: This Service Information Notice lists a procedure to seal the tip weight
to blade skin interface to prevent intrusion of corrosion causing sub-
stances at the blade to tip interface. Further a 100 hour inspection is
recommended to detect corrosion causing conditions in their early
stages and to verify integrity of sealant coating.

REFERENCE

269 Series - Basic HMI issued 1 April 1973, (Revision #1, 1 October 1973 and
Revision #2, 1 April 1974.

MATERIALS

*Isopropyl Alcohol		Commercial
**Paint Silicone	QR-4-3117	Dow Corning Corp
**Primer	1203	Dow Corning Corp
**The following specific alternates may be used:		
Paint Silicone	RTV615	General Electric Corp
Primer	SS 4155	General Electric Corp
<u>Release Agents</u>		
*MS122		Miller Stephenson Chem Co Danbury, Conn
*GS-3		Ram Chemical Co Gardena, Ca
*Frecote-35		Frecote Inc Boca Raton, Fla
*WD-40		WD-40 Co San Diego, Ca
*Knockerloose		K & W Products Santa Fe Springs, Ca
*Braycot 154		Bray Oil Co Los Angeles, Ca

*Materials specified are primary selections; any equivalent material may be used as an alternate selection.

TOOLS AND EQUIPMENT

Paint application equipment brush or spray (at operators option).

PROCEDURE

Part I.

The main rotor blades may be removed from the helicopter if desired.

- a. Remove main rotor blade tip caps from three blades.
- b. Using penetrating oil, apply oil to blade tip weight area.

NOTE

Penetrating oil will arrest any corrosive products between blade skin and weight assembly.

c. Using Isopropyl Alcohol, brush and clean cloth, thoroughly clean blade tip weight area and blade tip cap. Dry with clean cloth.

NOTE

Prevent contamination of cleaned parts.

- d. Using a release agent coat lightly inner surface of tip cap.
- e. Using brush or spray method apply a 1 mil coat of primer to blade tip weight area, making sure to treat joint between blade skin and tip weight housing; allow primer to air dry at least 1 hour.
- f. Apply thin film of paint to primed area.

NOTE

Mask as necessary when performing Steps e and f.
Allow at least 2 hours paint cure time for a tack free surface. Complete cure will be achieved in 18 to 24 hours.

- g. Install tip caps on blades.
- h. Perform Steps a through g on blade in spares inventory.
- i. Reinstall main rotor blades, if removed.
- j. Record compliance with this Service Information Notice in Compliance Record of Helicopter Log Book.

WEIGHT AND BALANCE DATA

Weight and balance not affected.

Part II.

a. It is recommended that at each 100 hours of operation a visual inspection of the tip area of main rotor blades be performed. Inspect for evidence of corrosion (whitish powder, bulging or cracking of skin), pay particular attention to mating area of blade skin to tip weight interface, verify integrity of sealant coating.

