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SERVICE BULLETIN

DATE: 15 JUNE 1990
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SUBJECT: ONE-TIME REPLACEMENT OF POLYCARBONATE COVER ASSEMBLES (369A9817)

SUMMARY: MD Helicopters, Inc. (MDHI) has received reports that some 369A9817 polycarbonate cover assemblies were found cracked by visual inspection.



Complete failure of the cover assembly could result in severe FOD damage to the engine.

PURPOSE: It is the purpose of this Notice to replace all polycarbonate cover assemblies with aluminum cover assemblies.

MODELS AFFECTED: All (MDHI) 369 Series helicopter equipped with 369A9817(BSC) polycarbonate engine air filter overboard cover assemblies.

TIME OF COMPLIANCE: The requirements of this Notice shall be accomplished within 90 days after receiving or fabricating parts. If needed, parts should be ordered immediately after receiving this Notice.

ASSEMBLY/COMPONENTS TO BE INSPECTED AND CORRECTED: 369A9817, cover assembly, engine air filter overboard cover assembly; Qty. per helicopter - (1).

REFERENCE PUBLICATIONS: (Use the manuals listed below or any later revisions.)
369H IPC (CSP-H-7) Revised 17 March 1989
369D IPC (CSP-D-4) Revised 17 February 1989
369E/FF IPC (CSP-E/F-4) Revised 16 June 1989

WEIGHT AND BALANCE: N/A

RECORDING AND COMPLIANCE: Record compliance to this Service Information Notice in the Compliance Record Section of the helicopter Log Book.

POINTS OF CONTACT: For further information contact your local MDHI Field Service Representative (refer to the latest revision to the Marketing and Product Support handbook for address and telephone numbers) or contact the Field Service Department at MDHI, Mesa, Arizona. Telephone: 1-(0)-445-1516 or (602) 891-6342.

SPECIAL TOOLS/JIGS AND FIXTURES REQUIRED. N/A.

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SUPPLY/PARTS AND WARRANTY DISPOSITION:

<u>Nomenclature</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Source</u>
1. Cover assembly, engine	369A9871-11	1	MDHI (Warranty and air filter overboard vent Repair Department) or field fabricate using items 2 thru 4 listed below.
2. Cover	369A9817-5	1	Field fabricate per Figure 1.
3. Nutplate	MS21076-L3	8	Commercial or MDHI (Nut-plate from polycarbonate covers can be used on aluminum cover assemblies.)
4. Rivet	MS20426A3	A/R	Commercial or MDHI

AIRCRAFT INSPECTION AND CORRECTION PROCEDURES:



Use care to avoid dropping screws, washers or other foreign material into the engine air intake when performing the following steps. Severe FOD could occur.

- Cover engine air inlet with a suitable cover to prevent foreign objects from entering the engine.
- Remove the 369A9817 cover assembly from the engine air inlet Pairing (See Figure 1 for location).
- Verify which type of cover assembly is installed.

NOTE

369A9817(BSC) cover assemblies are polycarbonate and 369A9817-11 cover assemblies are aluminum.

- Discard polycarbonate cover assemblies and procure a 369A981 7-11 cover assembly from MDHC Warranty and Repair Dept. or field fabricate a 369A981 7-11 cover assembly per instructions in Figure 1.

NOTE

Nutplates may be removed from polycarbonate cover assemblies and reused for fabricating an aluminum cover assembly.

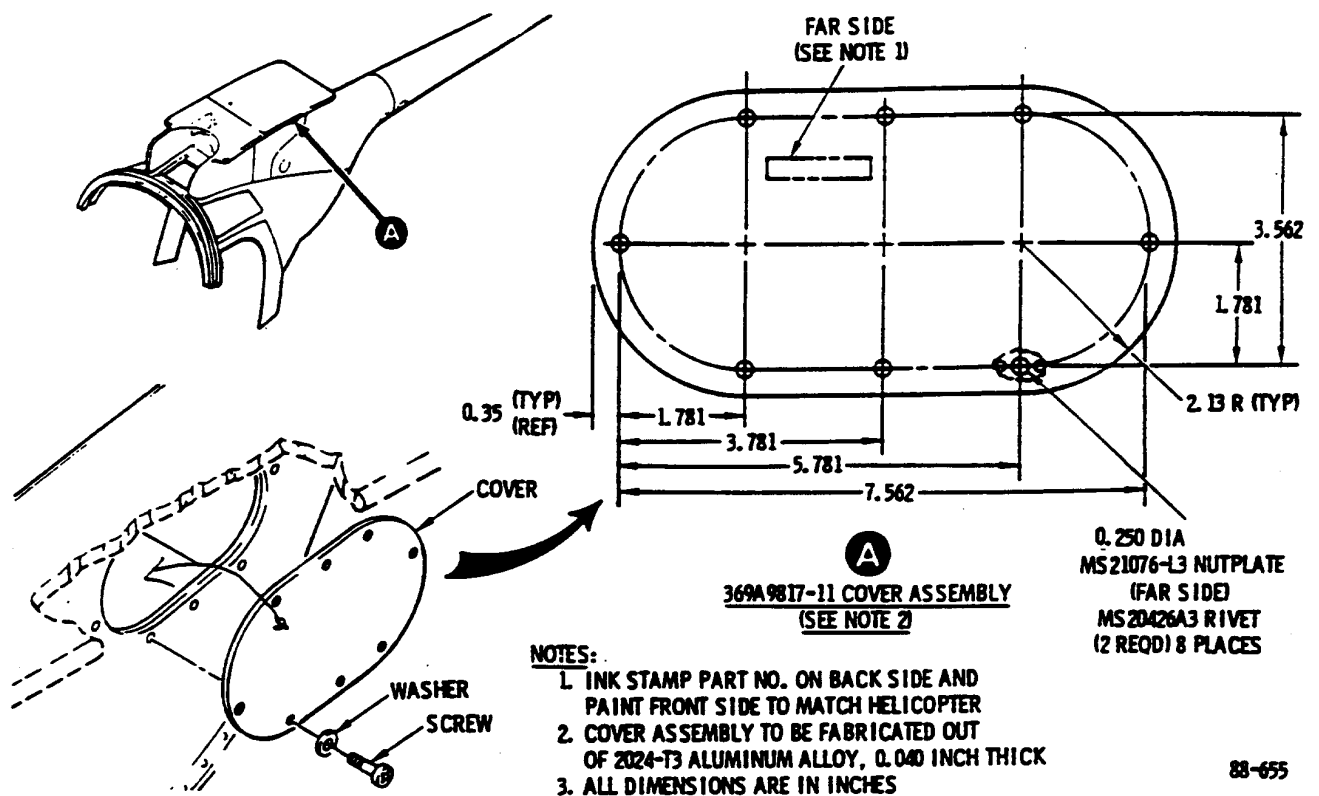
- Prime and paint cover assembly accordingly.
- Install aluminum cover assembly using existing screws and washers.

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Figure 1. Fabrication of 369A9817-11 Cover Assembly.

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