



HN-231
DN-178
EN-69
FN-56

SERVICE BULLETIN

DATE: 01 FEBRUARY 1991
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SUBJECT: ONE-TIME REWORK OF MAIN ROTOR TRANSMISSION OIL COOLING FAN MOUNTING BRACKET

SUMMARY: The oil cooling fan mounting bracket is subject to galvanic corrosion. The following measures can be taken to help prevent the occurrence of galvanic corrosion.

PURPOSE: It is the purpose of this Service Information Notice to provide operators with a procedure to rework 369D25627(BSC) and 369H5613(BSC), -11 or -21 oil cooling fan mounting brackets by adding a drain hole at the bottom of the bracket, replacing steel washers with aluminum washers, adding a 0.12 inch radius fillet and applying sealant around bolt heads and open insert holes in the bracket.

MODELS AFFECTED: All MD Helicopters, Inc. (MDHI) 369 Series helicopters equipped with belt driven oil cooling fan assemblies that are not equipped with 369D25627-3 (369D/E/F/FF) or 369H5613-31 (369H series) oil cooling fan mounting brackets.

TIME OF COMPLIANCE: The requirements of this Notice shall be accomplished within the next 300 hours of helicopter operation.

ASSEMBLY/COMPONENTS TO BE REWORKED: 369D25627(BSC) (369D/E/F/FF) or 369H5613(BSC, -11 or -21) (369H Series), oil cooling fan bracket.

REFERENCE PUBLICATIONS: (Use the manuals listed below or any later revisions.)
369H Basic HMI (CSP-H-2) Revised 15 January 1989
369D/E HMI Vol. I (CSP-D-2) Revised 01 August 1989
369F/FF HMI Vol. I (CSP-F-2) Revised 01 June 1989

SUPPLY/PARTS AND WARRANTY DISPOSITION:

PARTS LIST

<u>Nomenclature</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Source</u>
Washer, aluminum	AN960KD416L	4	Commercial or MDHI
Sealant (PR1221)	MIL-8-8802	A/R	Product Research 5454 San Fernando Rd. Glendale, CA 91209

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

AIRCRAFT INSPECTION AND CORRECTION PROCEDURES:

- a. Gain access to oil cooling blower assembly using the applicable maintenance manual.
- b. Disassemble blower assembly and remove applicable 369D25627 or 369H5613 brackets. Drill a 0.250 dia. hole in bracket at location shown in Figure 1, view A.

NOTE

Note the difference in hole location between the 369D25627 (369D/E/FF) and the 369H5613 (369H Series) brackets.

- c. Add 0.12 inch radius to locations shown in Figure 1, view C-C.
- d. Treat exposed magnesium with chromic acid solution per the applicable maintenance manual.
- e. Touch-up paint with zinc chromate primer.
- f. Reinstall 369D25627 or 369H5613 bracket using aluminum washers in place of steel washers. Apply PR1221 sealant across joint faying surfaces after assembly.
- g. Apply sealant around bolt holes and the open insert holes in the fan bracket shown in Figure 1, view B-B.
- h. Complete installation of the cooling fan assembly per the applicable maintenance manual.

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:

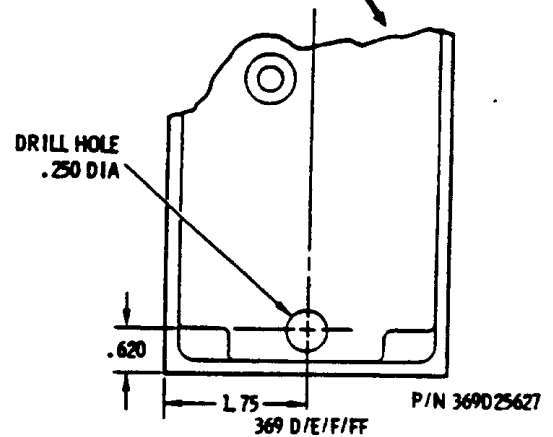
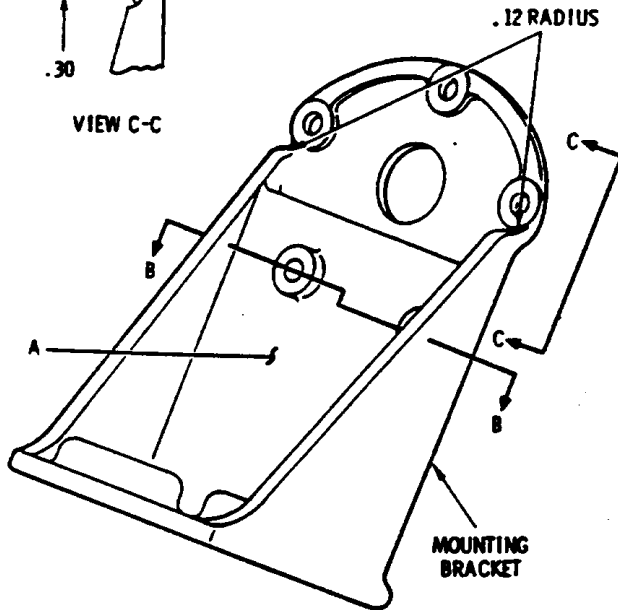
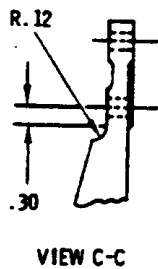
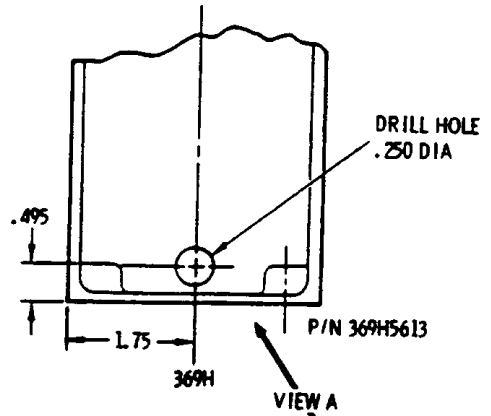
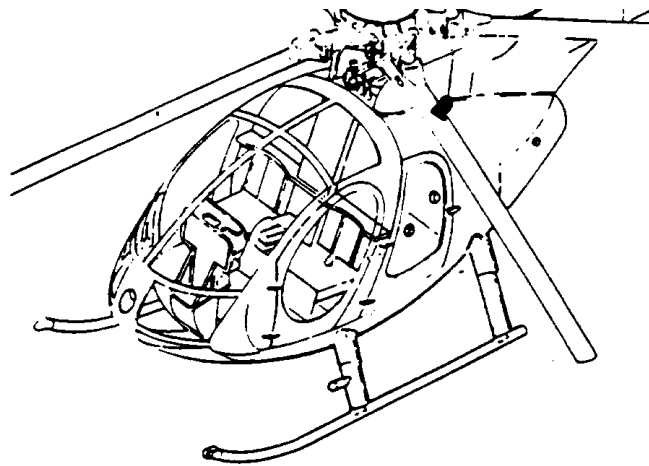
For further information contact your local MDHI Field Service Representative (refer to the latest revision of the Product Support handbook for address and telephone numbers) or contact the Field Service Department at MDHI, Mesa, Arizona. Telephone: 1-800-445-1516 or (602) 891-6342.

The resultant alteration to affected models as described by procedures in this Notice has been shown to comply with Federal Aviation Regulations and is FAA Approved.

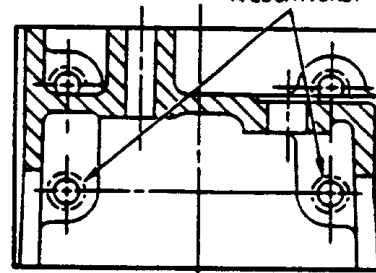
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APPLY SEALANT TO
 THESE SURFACES
 (4 LOCATIONS)



NOTE: DIMENSION SHOWN IN INCHES

SECTION B-B

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Figure 1. Rework of Oil Cooling Fan Mounting Bracket.

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