



SERVICE BULLETIN

DATE: 22 JULY 1977

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INSPECTION AND MODIFICATION OF OIL COOLER DUCT, PN 369H8301 OR 710108 (KIT PN M50451)

1. PLANNING INFORMATION:

A. Models Affected:

369HS Helicopter Serial No. 0201S thru 0874S
369HM Helicopter Serial No. 0201M thru 0292M

B. Time of Compliance:

Shall be accomplished within next 100 hours of helicopter operation

C. Preface:

The information given in this Service Information Notice lists a procedure for field inspection and modification, if required, of the subject oil cool duct.' The notification consists of a fiberglass elbow for reinforcement to prevent collapse of the duct and/or 369H8302 flexible connector due to excessive clamping pressure at installation with subsequent restriction of the air flow from the blower fan to the oil cooler assembly.

D. FAA Approval:

FAA Approved

E. Weight and Balance:

Weight and Balance not affected.

F. Reference Publications:

500 Series - Basic HMI, Issued 1 October 1972; Revision No. 7, 15 December 1976

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Elbow	369H8309	1	HH
Cable tie	MS3367-2-9	1	Commercial

The above listed parts are contained in Modification Kit No. M50451.

2. PART I - INSPECTION PROCEDURE

- (1). Inspect oil cooler duct for deformation or collapse of duct at connection blower fan assembly.

NOTE: If inspection reveals deformation or collapse of duct at connection to blower assembly, install reinforcement elbow per Part II below, otherwise, no further action is required.

- (2). Record compliance with Part I of this notice in Compliance Record of helicopter log book.

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3. PART II - MODIFICATION PROCEDURE

- (1). Remove two 56H clamps securing 3691H8302 connector to oil cooler duct and blower fan assembly. (See Figure 1.)
- (2). Remove four bolts, spacers, washers, and nuts securing duct to oil cooler; remove engine oil cooler duct assembly.

NOTE: Use care to retain spacers for reinstallation of duct.

- (3). Install new 369H8309 elbow into duct with minimum of 0.75 inch overlap of elbow into duct. (See Figure 1.)
- (4). Reinstall duct assembly on oil cooler. using existing hardware and spacers. Rotate elbow to obtain optimum fit with minimum gap of 0.50 inch to allow for mismatch between elbow and fan assembly.

NOTE: Elbow may be trimmed at either end to obtain optimum fit.

- (5). Reinstall duct connector with existing two clamps.
- (6). Secure elbow and connector with cable tie as shown. (See Figure 1.)
- (7). Check modification of oil cooler duct for discrepancies.
- (8). Perform operational check of oil cooler blower and duct system.
- (9). Record compliance with Part II of this Notice in Compliance Record of helicopter log book.

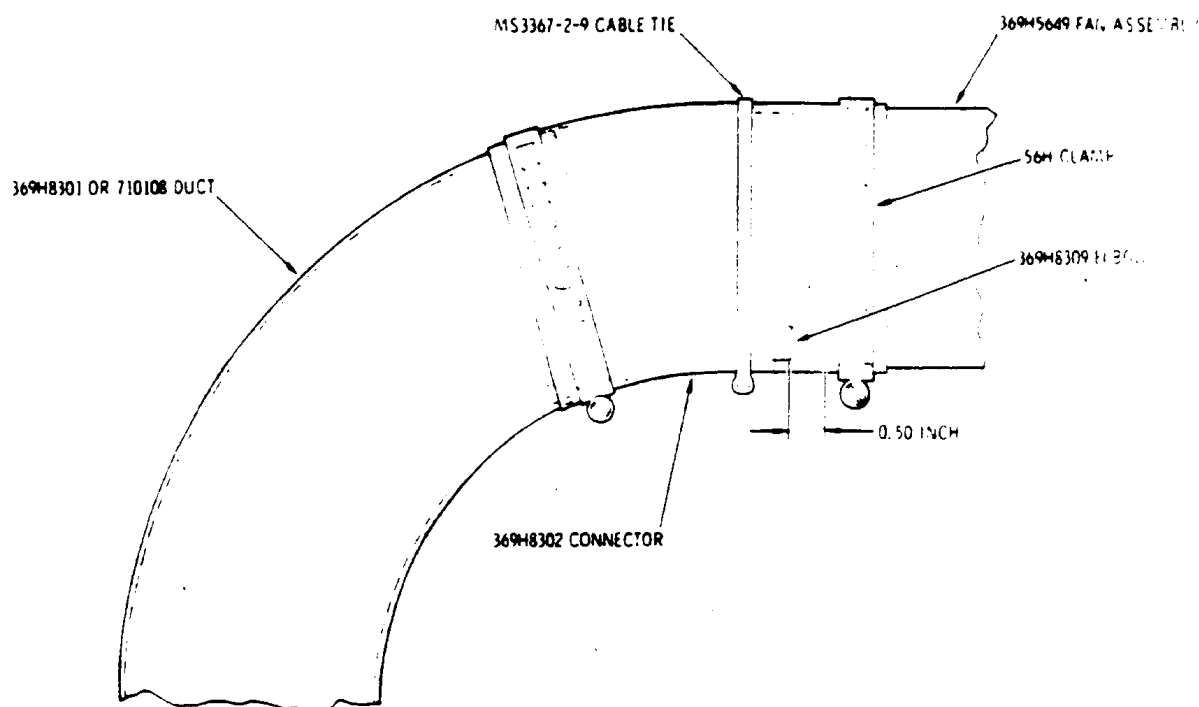
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Figure 1. Modification of oil cooler duct (M50451)

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