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SERVICE BULLETIN

DATE: 18 DECEMBER 1987
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SUBJECT: REPLACEMENT OF 369A8442-BASIC LATCH ASSEMBLY ON THE PARTICLE SEPARATOR BYPASS DOOR.

MODELS AFFECTED: All McDonnell Douglas Helicopter Company (MDHC) 369 Series helicopters including the 369A (OH-6A) Series helicopter.

TIME OF COMPLIANCE: The requirements of this Notice shall be accomplished at the next annual inspection or the next time the particle separator filter by pass door is removed, whichever occurs first.

PREFACE: MDHC has received reports of the latches on the engine inlets filter bypass door fracturing and allowing the latch portion of the assembly to fall into the plenum chamber which in turn could result in damage to the engine. A new and improved latch assembly has been introduced to prevent future occurrences of this problem. MDHC is requiring operators to replace the existing latch assembly with the improved design per the instructions given in this Notice.

REFERENCE PUBLICATIONS:

Optional Equipment Manual (CSP-004) Re-issued 15 Jan. 1985

Illustrated Optional; Accessories (CSP-H-8) Re-issued 01 Sept. 1978

PARTS			
Nomenclature	Part No.	Qty.	Source
Latch Assembly	369A8442-3	2	MDHC
Screw	MS24693C279*	4	Commercial
Nut	MS210423-3	4	Commercial
Washer	AN960KD10L	4	Commercial

* MS24693C277, MS24693C280 & MS24693C281 may be used as alternates.

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PROCEDURE



Use care to prevent entry of foreign objects (FOD) into engine air inlet. Install FOD cover over engine air inlet. Do not remove cover until work is completed and any debris is thoroughly cleaned out of the area. After removing cover, verify that area around base of mast, inlet plenum and entire plenum chamber is free from foreign material.

- a. Disconnect 369A8439 link assemblies from 369A8442-BSC latch assemblies. (See Figure 1)
- b. Remove 369A8442-BSC latch assembly. (two places)
- c. Install 369A8442-3 latch assembly in two places on bypass door.
- d. Attach 369A8439 link assemblies to 369A8442-3 latch assemblies.
- e. Remove FOD cover installed over engine air inlet. Verify that area around base of mast, inlet plenum and entire plenum chamber is free of debris and other foreign objects.
- f. Record compliance to this Notice in the compliance record section of the helicopter log book.

WEIGHT AND BALANCE: Weight and balance not affected.

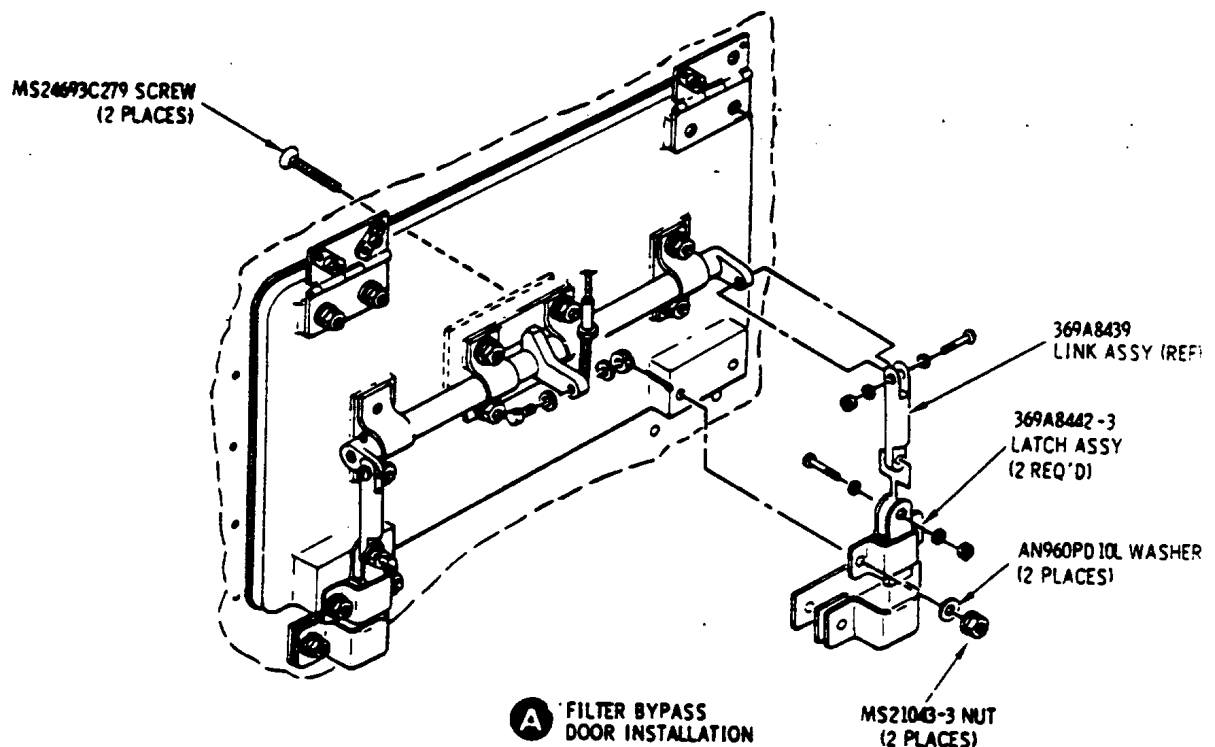
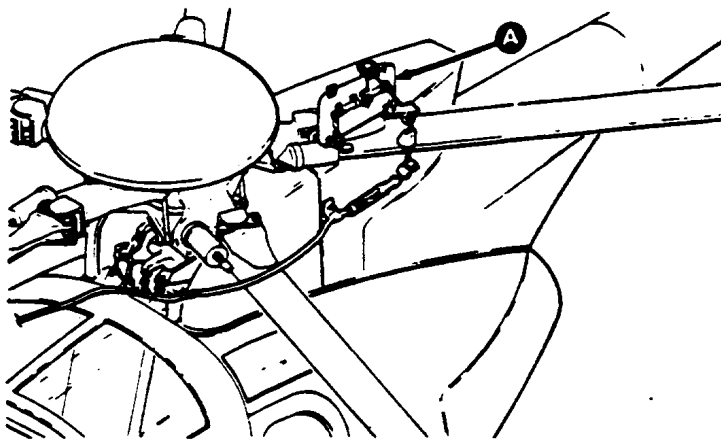
The resultant alteration to affected models as described by procedures in this Notice has been shown to comply with Federal Aviation Regulations and is FAA Approved.

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Figure 1. Installation of 369A8442-3 Latch Assemblies

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