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SERVICE BULLETIN

DATE: 27 OCTOBER 1989
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SUBJECT: INSTALLATION OF OIL FLOW RESTRICTING DEVICES INTO THE ENGINE OIL AND TORQUE PRESSURE SENSING SYSTEMS.

MODELS AFFECTED: All MD Helicopters, Inc. (MDHI) 369A (OH-6A), 369H Series, 369D, 369E (Serial No. 0001E thru 0304E) and 369FF (Serial No. 0001F thru 0059F) helicopters not equipped with oil flow restricting devices in the engine oil and torque pressure sensing lines.

NOTE

Only those 369 Series helicopters equipped with direct sensing torque and oil pressure line systems are affected by the requirements of this Notice.

TIME OF COMPLIANCE: The requirements of this Notice shall be accomplished within the next 100 hours of helicopter operation or 90 days, whichever occurs first.

PREFACE: Federal Aviation Administration rules CAR 6.606(b) and 6.613 require the installation of a restriction device at the pressure source of engine oil and torque sensing systems to restrict oil flow in the event of a system failure. Due to this requirement, operators are required to install restricting devices (snubbers) in those engine oil and torque pressure sensing systems which do not already contain restricting devices. Parts required to comply with this Notice can be obtained, free of charge, from the MDHI Warranty and Repair Department.

REFERENCE PUBLICATIONS:

Applicable Pilot's Flight Manual (for helicopter operation)
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

WEIGHT AND BALANCE: Weight and balance data 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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PARTS LIST

Nomenclature	Part No.	Qty.	Source
Reducer	369D28410	1	MDHI
Packing O-ring	NAS617-4	2	MDHI or Commercial
Snubber	39S-003	1	MDHI or Commercial
Reducer	AN919-0J	1	MDHI or Commercial
Packing, O-ring	NAS617-3	2	MDHI or Commercial
Snubber	57D2-001	1	MDHI or Commercial

PROCEDURE

- Open and secure engine access doors.
- Disconnect the 369A8010 engine oil pressure and torque pressure sensing lines from the connecting ports located on the engine and remove existing hardware.
- Install NAS617-4 packing, 39S-003 snubber, NAS617-4 packing and 369D28410 reducer into oil pressure sensing port. Reconnect oil pressure sensing line to reducer.
- Install NAS617-3 packing, 57D2-001 snubber, NAS617-3 packing and AN919-0J reducer on torque pressure sensing port on engine. Reconnect torque pressure sensing line to reducer.
- Start and operate helicopter at ground idle for two minutes minimum per applicable PFM.
- Bleed air from engine oil pressure and torque pressure sensing lines per Section 13, Vol. I of the HMI.
- Shutdown helicopter per applicable PFM. After rotor blades have stopped turning, check oil and torque pressure sensing lines and associated connection ports for security and any evidence of leakage. If any leakage is noted, repeat steps a thru f.
- Close and secure engine compartment access doors.
- Record compliance to this Service Information Notice in the Compliance Record section of the helicopter Log Book.

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