



# SERVICE BULLETIN

DATE: 02 JULY 1999

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## FUEL SYSTEM INSPECTION

### 1. PLANNING INFORMATION

#### A. Aircraft Affected:

MD Helicopters, Inc. (MDHI) MD600N helicopters, serial number RN003 thru RN045.

#### B. Assembly/Components Affected By This Notice:

Fuel System Installation (P/N 600N8100)

#### C. Reason:

Presently, some fuel system hoses can inadvertently be interchanged. This will result in fuel starvation and subsequent engine flameout, while the fuel gauge still reads above "0" and the fuel low level light has not illuminated. Failure to comply with the requirements of this Bulletin may result in an engine flameout, loss of power condition which will result in an emergency landing situation.

#### D. Description:

Procedures in this Bulletin provide owners and operators with information pertaining to inspecting the fuel system to verify proper fuel line connections between the fuel cells and the engine. MDHI is currently in the process of developing new hoses which will eliminate the possibility of intermixing hose connections. MDHI will revise this Bulletin when new design hoses become available. In the interim, MDHI is providing operators with an inspection procedure to ensure proper operation of the aircraft fuel system.

#### E. Time of Compliance:

The requirements of this Bulletin shall be accomplished within the next 100 hours of helicopter operation or no later than 31 August 1999. The requirements of this Bulletin are also being incorporated into the Handbook of Maintenance Instructions because they must be accomplished after any entry into the left fuel cell due to the fact that hoses have to be disconnected and subsequently reinstalled.

#### F. FAA Approval:

The technical design aspects of this Bulletin are FAA Approved.

#### G. Manpower:

Eight (8) man-hours for Method A  
One (1) man-hour for Method B

#### H. Warranty Policy:

A labor credit equal to eight (8) man-hours will be issued.

#### I. Other Publications Affected:

N/A

### 2. POINTS OF CONTACT

For further assistance, contact your local MDHI Field Service Representative (refer to the latest revision of the "At Your Service" handbook for address and telephone numbers) or contact the Field Service Department at MDHI, Mesa, Arizona. Telephone 1-800-388-3378 or (602) 891-6342. DATAFAX: (602) 891-6782

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## 3. ACCOMPLISHMENT INSTRUCTIONS

**NOTE:** Operators may comply with the requirements of this Service Bulletin using one of the two following methods. **Method A** is a physical inspection of the subject hoses to verify proper hose connections. **Method B** is a functional test of the fuel system to verify proper hose connections.

## 4. METHOD A

- (1). Gain access to the fuel cell covers and remove the fuel cell covers.
- (2). Verify that all hose connections have been properly installed as shown in Figures 402, 403 and 404 of the Handbook of Maintenance Instructions (CSP-HMI-2, Section 28-00-60). Make any necessary corrections per CSP-HMI-2, Section 28-00-60.
- (3). As necessary, service the fuel system per CSP-HMI-2, Section 12-00-00.
- (4). Record compliance to this Service Bulletin in the Compliance Record section of the helicopter Log Book.

## 5. METHOD B

- (1). Ensure the aircraft is level. Defuel the aircraft by attaching an external pump to the engine fuel feed hose (disconnect the fuel feed hose from the engine). Verify the fuel gauge reads "0". Make any necessary corrections per CSP-HMI-2, Section 28-00-60. Reinstall the engine fuel feed hose per CSP-HMI-2, Section 28-00-60. Perform a fuel system air bleed check per 28-00-00.
- (2). As necessary, service the fuel system per CSP-HMI-2, Section 12-00-00.
- (3). Record compliance to this Service Bulletin in the Compliance Record section of the helicopter Log Book.

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