



SERVICE BULLETIN

DATE: 10 JANUARY 2001
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MOTIVE FLOW RESTRICTOR REMOVAL

1. PLANNING INFORMATION

A. Aircraft Affected:

600N helicopters, serial number RN003 thru RN061.

B. Assembly/Components Affected By This Notice:

250-C47M Engine Build-Up Assembly (P/N 600N8601)

C. Reason:

Some 600N helicopter operators have reported early low fuel warnings during high-power cruise flight. Removing the restrictor in the motive flow line from the engine fuel pump to the fuel transfer ejector pump will increase fuel transfer inside the fuel tank, preventing early low fuel warnings during high-power cruise flight.

Failure to comply with this Bulletin could result in continued early low fuel warnings.

D. Description:

Procedures in this Bulletin provide owners and operators with information pertaining to removing the motive flow restrictor and replacing it with a union.

E. Time of Compliance

The requirements of this Bulletin shall be accomplished within the next 100 hours of helicopter operation or the next scheduled inspection, after receipt of parts and no later than one year after the issue date of this Bulletin.

F. FAA Approval:

The technical design aspects of this Bulletin are FAA Approved.

G. Manpower:

One (1) man-hour.

H. Interchangeability:

None

I. Material/Part Availability:

Contact MDHI Warranty and Repair/Parts Sales Dept.

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Union, Flared Tube	AN815-4D	1	MDHI
Packing	MS29512-04	1	MDHI

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J. Warranty Policy:

Normal aircraft warranty applies.

K. Tooling:

N/A

L. Weight and Balance:

N/A

M. Electrical Load Data:

N/A

N. Other Publications Affected:

Handbook of Maintenance Instruction (CSP-HMI-2) and Illustrated Parts Catalog (CSP-IPC-4).

2. ACCOMPLISHMENT INSTRUCTIONS

WARNING

Avoid fuel vapor ignition and fire. Use only nonsparking tools and explosion proof work lights. Attach helicopter to an approved electrical ground. Switch OFF all electrical power. Disconnect external power and battery before opening fuel system. Ensure work area is adequately ventilated.

A. Modification Instructions

(Ref. Figure 1)

- (1). Disconnect motive fuel line from JEHB1872325L restrictor.
- (2). Remove and discard restrictor and packing from tee.
- (3). Install new MS29512-04 packing on AN815-4D union and thread union onto tee.
- (4). Torque union to **95 - 105 inch-pounds (10.73 - 11.86 Nm)**.
- (5). Connect motive fuel line to union and torque to **50 - 65 inch-pounds (5.65- 7.34 Nm)**.
- (6). Perform fuel system vacuum leak inspection (CSP-HMI-2, Section 28-00-60, Fuel System Vacuum Leak Inspection).
- (7). Bleed air out of helicopter engine fuel controls (Rolls-Royce Engine Operation and Maintenance Manual).

3. DISPOSITION OF PARTS REMOVED

Scrap

4. COMPLIANCE RECORD

Record compliance to this Service Bulletin in the Compliance Record section of the helicopter Log Book.

5. 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 (480) 346-6387. DATAFAX: (480) 346-6813.

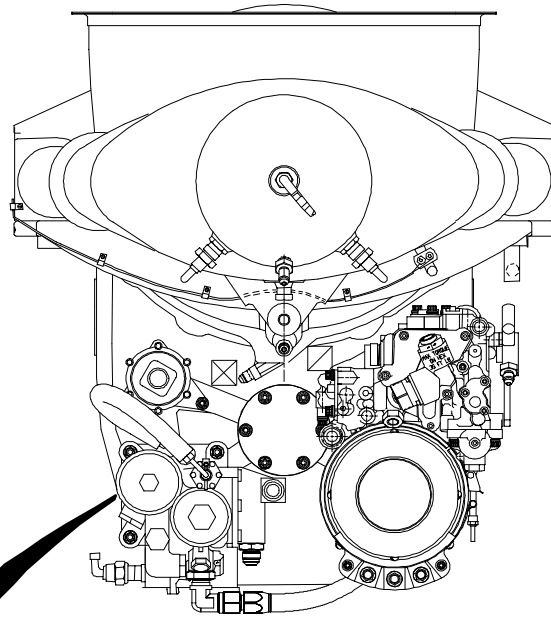
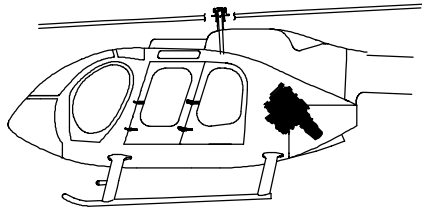
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VIEW LOOKING FORWARD
AT POWERPLANT INSTALLATION

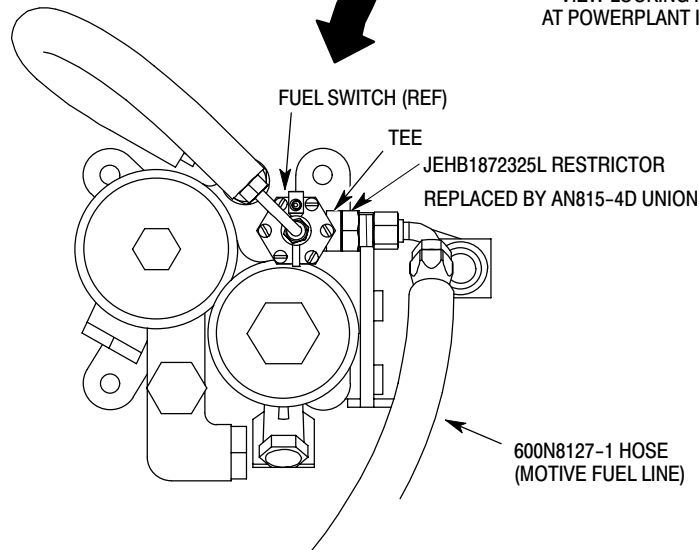


Figure 1. Motive Flow Restrictor Removal

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