



# SERVICE BULLETIN

DATE: 19 OCTOBER 2005  
PAGE 1 OF 6

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## FUEL PROBE LABEL REPLACEMENT

### 1. PLANNING INFORMATION

#### A. Aircraft Affected:

All MD900 helicopters, serial number 900-0008 thru 900-0110, 900-0113 and 900-0114.

Serial numbers 900-0111, 900-0112 and 900-0115 and subsequent will have the intent of this bulletin accomplished prior to delivery.

All Fuel Gaging Probes (P/N 900P3661104-101, 900P3661104-103 and 900P3661107-103) in spares inventory.

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

Fuel Cell Buildup Installation (P/N 900P7661000-101)  
Fwd Fuel Gaging Probe (P/N 900P3661104-101, 900P3661104-103)  
Aft Fuel Gaging Probe (P/N 900P3661107-103)

#### C. Reason:

The adhesive holding the fuel probe labels to the probes could deteriorate from immersion in fuel and the label could detach from the probe. The detached label could migrate to the engine fuel pump inlet, partially blocking or restricting fuel flow to one of the engines.

#### D. Description:

Procedures in this Bulletin provide owners and operators with information pertaining to removing the metal labels from the forward and aft fuel probes and attaching a new label to the associated probe wire harness outside the fuel cell.

#### E. Time of Compliance:

The requirements of this Bulletin shall be accomplished at the next inspection requiring removal of the fuel cell access floor panel, the next annual inspection or no later than 1 October 2007.

#### F. FAA Approval:

The technical design aspects of this Bulletin are FAA Approved.

#### G. Manpower:

If fuel cell is open, approximately 2 man-hours are required to complete this Bulletin.  
If fuel cell is not open, approximately 16 man-hours are required to complete this Bulletin.

#### H. Interchangeability:

None

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/// MANDATORY ////////////////////////////////////// MANDATORY ////////////////////////////////////// MANDATORY ///



DATE: 19 OCTOBER 2005  
 PAGE 2 OF 6

# SERVICE BULLETIN

**MANDATORY**

**I. Material/Part Availability:**

Contact the MDHI Warranty and Repair Department for the Fuel Probe Labels.

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Label, Aft Fuel Probe	762445	1	MDHI
Label, Fwd Fuel Probe	762446	1	MDHI
Tape, Lacing and Tying, Polyester	AA52081-B -1	AR	Commercial

**J. Warranty Policy:**

MDHI Warranty and Repair Department will provide new Fuel Probe Labels at no cost to the operator.

**K. Weight and Balance:**

N/A

**L. Electrical Load Data:**

N/A

**M. Referenced Publications:**

Rotorcraft Maintenance Manual (CSP-900RMM-2),  
 Standard Practice Manual (CSP-SPM).

**N. 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.

**MANDATORY**

# SERVICE BULLETIN

DATE: 19 OCTOBER 2005

PAGE 3 OF 6

**/// MANDATORY ////////////////////////////////////// MANDATORY ////////////////////////////////////// MANDATORY ///**

## 2. ACCOMPLISHMENT INSTRUCTIONS

### A. Verify Configuration of Installed Probes.

(Probes with labels on the electrical pigtail have been available as spares)

- (1). Remove Sump Access Panel (B178) (Ref. CSP-900RMM-2, Section 06-00-00).
- (2). If both Fwd and Aft Fuel Probes have identification labels on the electrical pigtails external to the fuel tank, as shown in Figure 1, the intent of this Bulletin has been met. Proceed to step 4. Compliance Record.

### B. Remove fuel probes from fuel cell.

- (1). Remove Forward Fuel Gauging Probe (Ref. CSP-900RMM-2, Section 28-00-00).
- (2). Remove Aft Fuel Gauging Probe (Ref. CSP-900RMM-2, Section 28-00-00).

### C. Install new label on each fuel probe wire harness.

- (1). Transfer label information on forward probe to new label supplied, using permanent ink pen.
- (2). Attach new replacement label onto forward fuel probe wire harness using lacing tape (C703).
- (3). Transfer label information on aft probe to new label supplied, using permanent ink pen.
- (4). Attach new replacement label onto aft fuel probe wire harness using lacing tape (C703).

### D. Remove labels from fuel probes.



If label is missing, conduct a thorough inspection of the fuel cell until it is found.

- (1). Peel label from forward and aft fuel probe. If necessary, use an X-Acto knife or other sharp blade to cut through label edge seal to expose edge of label.



Do not damage original finish (chem-film) on probe during label removal.

- (2). Clean label adhesive residue from exterior of probe using solvent (C420) or equivalent.

### E. Install fuel probes in fuel cell.

- (1). Install Forward Fuel Gauging Probe (Ref. CSP-900RMM-2, Section 28-00-00).
- (2). Install Aft Fuel Gauging Probe (Ref. CSP-900RMM-2, Section 28-00-00).

## 3. DISPOSITION OF PARTS REMOVED

Retain removed labels with aircraft records.

## 4. COMPLIANCE RECORD

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

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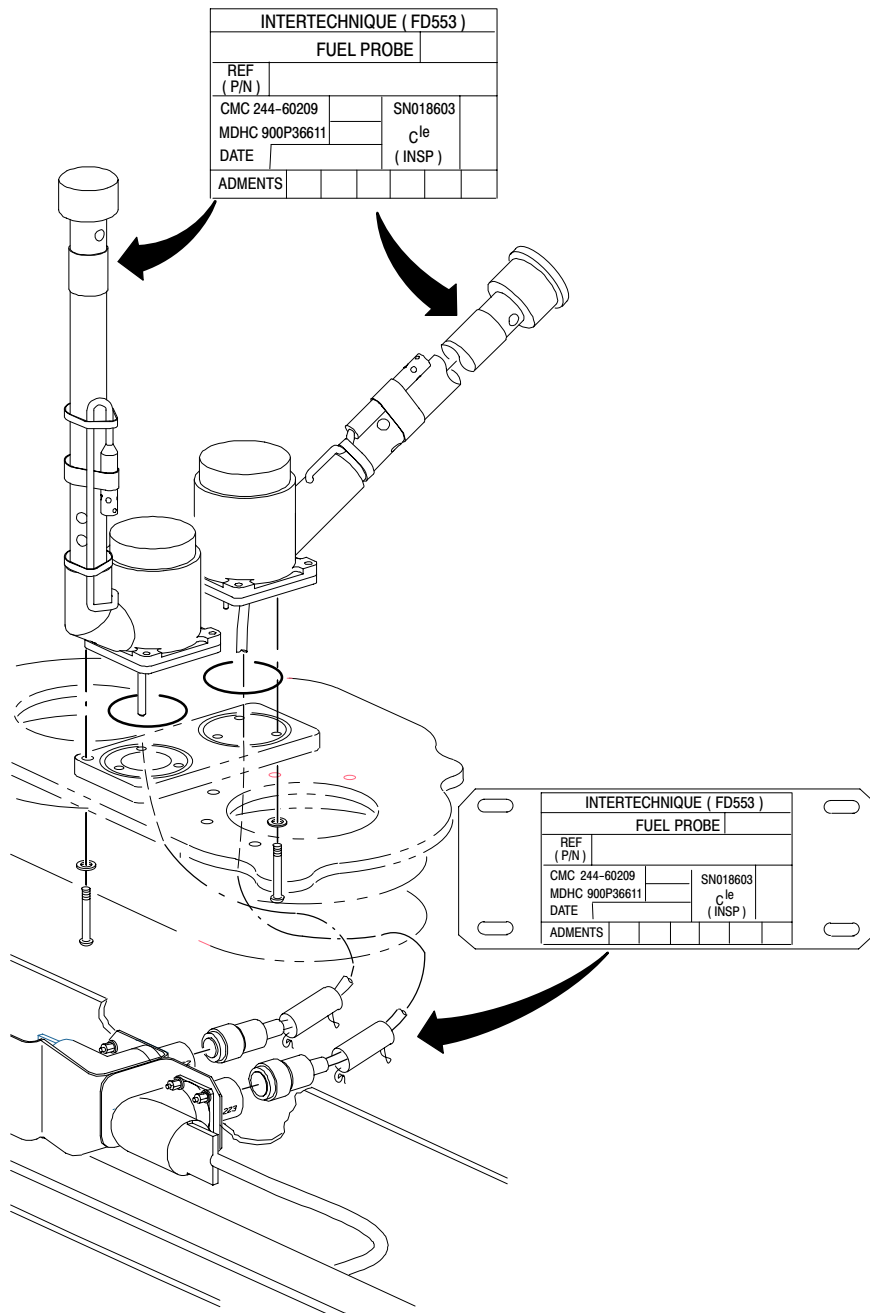
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DATE: 19 OCTOBER 2005

PAGE 4 OF 6

# SERVICE BULLETIN

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**Figure 1. Fuel Probe Label Replacement**

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**MANDATORY MANDATORY MANDATORY**



# SERVICE BULLETIN

DATE: 19 OCTOBER 2005  
PAGE 5 OF 6

**/// MANDATORY ////////////////////////////////////// MANDATORY ////////////////////////////////////// MANDATORY ///**

## Bulletin Compliance Recording Form

### Service Bulletin SB900-098, Fuel Probe Label Replacement

FAX this form to MDHI (480) 346-6813 or  
Email to ServiceEngineering@mdhelicopters.com

MD Helicopters, Inc.  
Field Service Department  
4555 E. McDowell Road  
Mesa, AZ 85215-9734

800-388-3378 phone (U.S. and Canada)  
480-346-6387 phone (International)  
480-346-6813 Fax

Dear Sir:

This is to inform you that the Service Bulletin has been complied with as indicated below:

Customer/Operator Name: \_\_\_\_\_

Aircraft Serial No. \_\_\_\_\_

Address: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

**Completed**

Helicopter Total Time: \_\_\_\_\_ Date: \_\_\_\_\_

Location: \_\_\_\_\_

Signature of Person Confirming Compliance \_\_\_\_\_

**/// MANDATORY ////////////////////////////////////// MANDATORY ////////////////////////////////////// MANDATORY ///**



DATE: 19 OCTOBER 2005  
PAGE 6 OF 6

# SERVICE BULLETIN

**/// MANDATORY ////////////////////////////////////// MANDATORY ////////////////////////////////////// MANDATORY ///**

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