



TECHNICAL BULLETIN

DATE: 19 FEBRUARY 2008
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SUPPLEMENTAL FUEL SYSTEM INSTALLATION (REF. MOD MD9000700003)

1. PLANNING INFORMATION

A. Aircraft Affected:

MD900 helicopters, serial number 900-000010 thru 900-999999.

B. Assembly/Components Affected By This Notice:

All installed configurations of the assembly/components that follow:

900F1307000 general tub assembly, 900F2305507 right outboard baggage floor panel, 900P7661000 fuel cell buildup installation, 900P7662000 fuel vent system installation, 900E7750012 aft electrical equipment installation, 900P7663000 fuel supply system installation, 900N7723010 single pilot instrument panel installation, 900N7723020 dual pilot instrument panel installation, 900E7750014 ground module installation, 900E2760125 left utility systems wire harness W125, 900E2760124 right utility systems wire harness W124.

C. Reason:

Owner/Operators can install the supplemental fuel system in their helicopter. The supplemental fuel system adds 29.4 U.S. gallons of usable fuel to the helicopter.

D. Description:

Procedures in this bulletin give owners and operators data for the installation of the optional supplemental fuel system. You must have MD Helicopters Field Service Engineering approval before you can do this installation. The supplemental fuel system can not be installed if the lower fuselage air conditioning system is installed.

This bulletin is separated into three parts; structural provisions, electrical change, and supplemental fuel system installation.

Structural provisions includes: Changes to FS 230.5 frame for fuel transfer hose. Installation of supplemental fuel tank structural and foam support. Changes to boat tail tub and right keel beam for the supplemental fuel tank filler. Changes to boat tail tub for supplemental fuel tank filler ground receptacle and supplemental fuel tank drain. Installation of a vapor seal in area under baggage floor. Changes to aft vent tube, aft left main fuel cell access cover, and right outboard baggage floor panel.

NOTE: Helicopters with 900F7308463 aft equipment shelf installed, can move strobe light power supply to aft equipment shelf.

Electrical changes include: Move strobe light power supply to new location. Move GS300 new location and remove TB301. Installation of supplemental fuel system fuel quantity indicator, fuel transfer switch, fuel transfer indication lamp, related placards, and two circuit breakers in A620 electrical load center. Make and install supplemental fuel system interconnect wires.

Supplemental fuel system installation includes: Installation of supplemental fuel tank, fuel filler, fuel transfer system, and fuel quantity transmitter.

E. Time of Compliance:

Optional, owner/operator selection.

F. FAA Approval:

The technical design data of this bulletin is FAA approved.



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G. Classification:

This bulletin is a major alteration.

H. Manpower:

250 man-hours.

I. Interchangeability:

None

J. Disposition of Parts Removed:

N/A

K. Points of Contact:

For further assistance, contact the Field Service Department at MDHI, Mesa, Arizona. Telephone 1-800-388-3378 or (480) 346-6387. DATAFAX: (480) 346-6813.

L. Material/Part Availability:

Refer to MOD MD9000700003.

M. Warranty Policy:

N/A

N. Tooling:

N/A

O. Weight and Balance:

Refer to MOD MD9000700003.

P. Electrical Load Data:

Refer to MOD MD9000700003.

Q. Other Publications Affected:

Rotorcraft Flight Manual CSP-900RFM206A-1, Rotorcraft Flight Manual CSP-900RFM206E-1, Rotorcraft Flight Manual CSP-900RFM207E-1, Rotorcraft Flight Manual CSP-902RFM206E-1, Rotorcraft Flight Manual CSP-902RFM207E-1, Rotorcraft Maintenance Manual CSP-900RMM-2, CSP-900RMM-3, Standard Practices Manual CSP-SPM, and Illustrated Parts List CSP-900IPL-4 have been revised for this optional installation.

2. APPROVAL FOR INSTALLATION

Before you can install the supplemental fuel system, approval for installation on the bulletin completed record must be completed and approved by MDHI Field Service Engineering.

3. ACCOMPLISHMENT INSTRUCTIONS – INSTALLATION

Refer to MOD MD9000700003 for the accomplishment instructions of this technical bulletin.

4. DISPOSITION OF PARTS REMOVED

N/A

5. MAKE A RECORD

Make a record in the Compliance Record section of the Rotorcraft Log Book that this technical bulletin and MOD MD9000700003 have been completed.



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Bulletin Completed Record

Technical Bulletin TB900-030 and MOD MD9000700003, Supplemental Fuel System Installation

FAX this form to MDHI (480) 346-6813 or
E-mail 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:

Owner/Operator: _____

Helicopter Serial No: _____

Address: _____

Phone: _____

Fax: _____

E-mail address: _____

Request For Approval (must be completed before start of installation)

Helicopter Total Time: _____

Date: _____

Location: _____

Approval For Installation Completed

Signature: _____

Print Name: _____

Date: _____

Title: _____



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Dear Sir:

This is to tell you that this technical bulletin has been completed as shown below:

Installation Completed

Helicopter Total Time: _____

Date: _____

Location: _____

This bulletin and
MOD MD9000700003 are complete: _____

(Signature)

(Print Name)

(Title)