



SERVICE BULLETIN

DATE: 27 DECEMBER 2006
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MANDATORY

* Supersedes Service Bulletin SB900-102, dated 09 May 2006. Revised to correct part number of affected component and add requirement to insert RFM Temporary Revision TR06-002 in appropriate flight manual.

INCREASED GROSS WEIGHT CAPABILITY TO 6500 LBS WITH V_{NE} CARD AND LH MIDDLE AFT TRUSS ASSEMBLY REPLACEMENT

1. PLANNING INFORMATION

A. Aircraft Affected:

MD900 helicopters serial numbers 900-00008 thru 900-00116.

B. Assembly/Components Affected By This Notice:

900F2401300-101 LH Mid-Aft Truss Strut Assy and P/N MHS5949A09 VNE Card.

C. Reason:

MD900 helicopter operation at an increased gross weight to 6500 lbs requires Rotorcraft Flight Manual (RFM) revision and specific components to be installed.

D. Description:

Procedures in this Bulletin provide owners and operators with the RFM revisions and information pertaining to verification that the specific components required for gross weight operation above 6250 lbs are installed on the helicopter. Also, instructions are given for installation of the components required for increased gross weight operation.

The Rotorcraft Flight Manual Supplements (RFMS) listed in Other Publications Affected that authorize increased gross weight operations are cancelled when the RFM temporary revision is incorporated into the RFM.

Aircraft serial numbers 900-00008 thru 900-00047 are affected by Part 1 and Part 2.
Aircraft serial numbers 900-00048 thru 900-00116 are affected by Part 2 only.

E. Time of Compliance:

NOTE: The latest revision of Service Bulletin SB900-099 Thruster Extension and Vortex Generator Installation must be complied with prior to completion of SB900-102 Part 2 for gross weight operation above 6250 lbs.

The requirements of this Bulletin shall be accomplished no later than 31 March 2007.

F. FAA Approval:

The technical design aspects of this Bulletin are FAA Approved.

G. Manpower:

Approximately 2 man-hours if the Strut Assy, Mid-Aft Truss, LH requires replacement.

H. Interchangeability:

None

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I. Material/Part Availability:

Contact MDHI Warranty and Repair Department.

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Strut Assy, Mid-Aft Truss, LH	900F2401300-103	1	MDHI
VNE Card (Note)	MHS5949A10	1	MDHI

NOTE: Included in Thruster Extension Kit SBK-009 (Ref. SB900-099).

J. Warranty Policy:

The MDHI Warranty and Repair Dept. will provide all parts at no cost to the operator. MDHI will also provide, to authorized Service Centers, up to 2 hours of labor warranty (spares credit) for replacement of the Strut Assy, Mid-Aft Truss, LH.

NOTE:

- Schedule parts from MDHI no later than 30 June 2006.
- Submit to MDHI Warranty and Repair Department, the Service and Operations Report (SOR) form with parts removed, the "Bulletin Compliance Recording Form" completed and signed with the part invoice attached, within 30 days after accomplishing this Service Bulletin.

K. Disposition of Parts Removed:

Fax a copy of the completed Service and Operations Report (SOR) form to MDHI Warranty Repair Dept. DATAFAX: (480) 346-6813.

Ship (if removed) mid-aft strut assembly, along with the (original) completed Service and Operations Report (SOR) form to MDHI Warranty Repair Dept.

L. Tooling:

N/A

M. Weight and Balance:

N/A

N. Electrical Load Data:

N/A

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O. Other Publications Affected:

CSP-900RMM-2, Rotorcraft Maintenance Manual, Reissue 1, Revision 27, or later revision incorporated.

CSP-900IPL-4, Illustrated Parts List Reissue 2, Revision 10, or later revision incorporated.

CSP-900RFM206A-1, Rotorcraft Flight Manual (MD900 Config. w/PW206A), Reissue 2, Temporary Revision TR06-001 and TR06-002 incorporated.

CSP-900RFM206E-1, Rotorcraft Flight Manual (MD900 Config. w/PW206E), Reissue 1, Temporary Revision TR06-001 and TR06-002 incorporated.

CSP-900RFM207E-1, Rotorcraft Flight Manual (MD900 Config. w/PW207E), Original Issue, Temporary Revision TR06-001 and TR06-002 incorporated.

CSP-902RFM206E-1, Rotorcraft Flight Manual (MD902 Config. w/PW206E), Reissue 2, Temporary Revision TR06-001 and TR06-002 incorporated.

CSP-902RFM207E-1, Rotorcraft Flight Manual (MD902 Config. w/PW207E), Original Issue, Temporary Revision TR06-001 and TR06-002 incorporated.

RFM Supplements:

NOTE: The following RFM Supplements are superseded by RFM Temporary Revision TR06-001 and TR06-002, and cancelled when RFM Temporary Revision TR06-001 and TR06-002 are incorporated into the appropriate RFM.

CSP-900RFM206A-S1, RFM Supplement, 6500 LB Gross Weight Operations. (Superseded when CSP-900RFM206A-1, Reissue 2, Temporary Revision TR06-001 and TR06-002 are incorporated into the RFM.)

CSP-900RFM207E-S2, RFM Supplement, 6500 LB Gross Weight Operations. (Superseded when CSP-900RFM207E-1, Original Issue, Temporary Revision TR06-001 and TR06-002 are incorporated into the RFM.)

CSP-902RFM207E-S1, RFM Supplement, 6251 to 6500 LB Gross Weight Operations. (Superseded when CSP-902RFM207E-1, Original Issue, Temporary Revision TR06-001 and TR06-002 are incorporated into the RFM.)

P. Compliance Record:

Make sure that compliance of this Service Bulletin is recorded in the Compliance Record section of the helicopter Log Book and on the Bulletin Compliance Recording Form at time of completion.

Q. 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.

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2. ACCOMPLISHMENT INSTRUCTIONS

A. Part 1 MD900 helicopters serial numbers 900-00008 thru 900-00047:

- (1). Verify that P/N 900F2401300-103 LH Middle Aft Truss Assembly is installed.
 - (a). If necessary, replace with a P/N 900F2401300-103 LH Middle Aft Truss Assembly (Ref. CSP-900RMM-2, Section 63-30-00).
- (2). Record compliance to Part 1 of this Bulletin in the Rotorcraft Logbook.
- (3). Complete Part 1 of the Bulletin Compliance and Recording Form (attached) and FAX to MDHI Field Service Dept.

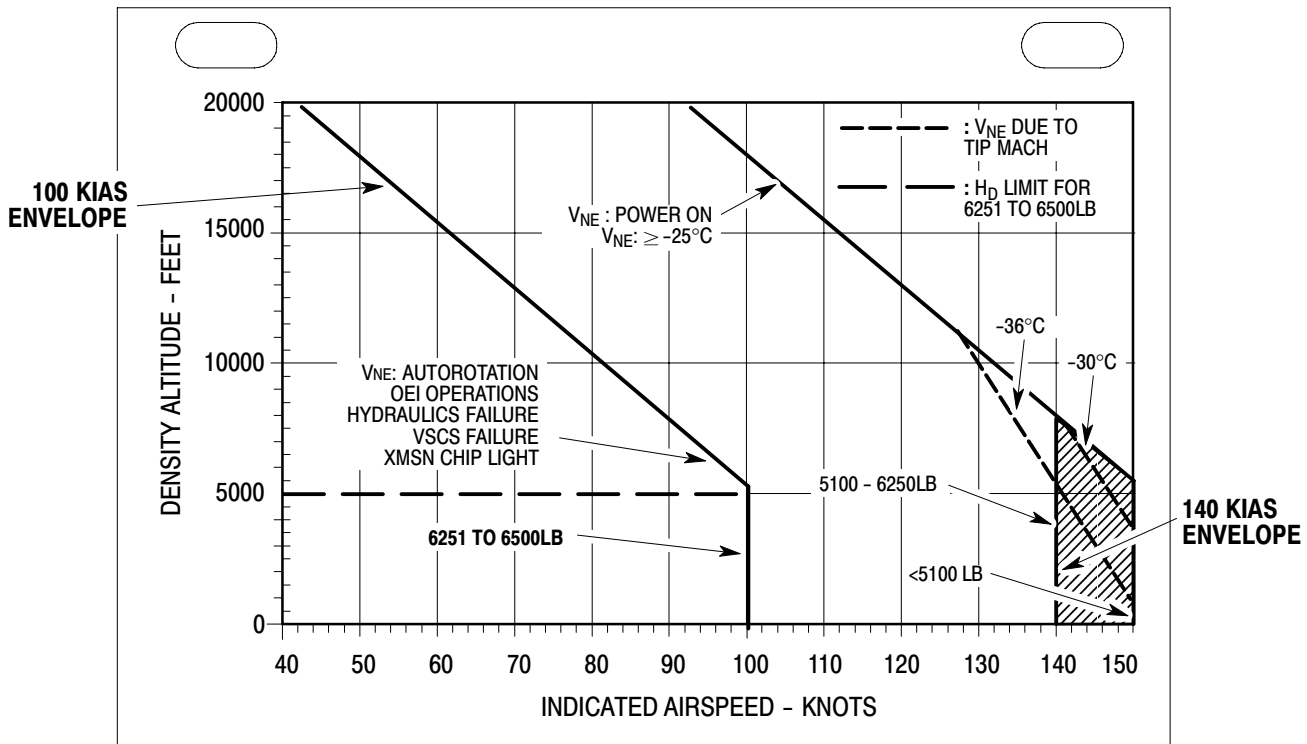
B. Part 2 MD900 helicopters serial numbers 900-00008 thru 900-00116:

NOTE: Part 1 of this bulletin must be completed prior to performing Part 2.

- (1). Incorporate appropriate Temporary Revision TR06-001 and TR06-002 into the RFM.
- (2). Verify that P/N MHS5949A10 VNE Card is installed.

(Ref. Figure 1)

 - (a). If necessary, install P/N MHS5949A10 VNE card.
- (3). Record compliance to Part 2 of this Bulletin in the Rotorcraft Logbook.
- (4). Complete Part 2 of the Bulletin Compliance and Recording Form (attached) and FAX to MDHI Field Service Dept.



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Figure 1. VNE Card

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Bulletin Compliance Recording Form

Service Bulletin SB900-102R1, Increased Gross Weight Capability To 6500 lbs With V_{NE} Card and LH Middle Aft Truss Assembly 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: _____

Phone: _____

PART 1 Completed

Helicopter Total Time: _____ Date: _____

Location: _____

Signature of Person Confirming Compliance: _____

PART 2 Completed

Helicopter Total Time: _____ Date: _____

Location: _____

Signature of Person Confirming Compliance: _____

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