



SERVICE BULLETIN

DATE: 14 DECEMBER 1995

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* Supersedes SB 900-007 dated 17 October 1995.

SERVICE INSTRUCTION FOR COCKPIT AND CABIN DOOR MODIFICATIONS

REMOVALS / MODIFICATIONS / INSTALLATIONS (REF. MOD MD9009500008)

1. PLANNING INFORMATION:

A. Aircraft Affected:

McDonnell Douglas Helicopter Systems (MDHS) MD900 Helicopters Serial Numbers 900-00002 thru 900-00028.

NOTE: These modifications are to be accomplished by Hawker de Havilland personnel and/or their authorized representatives. Please contact MDHS as detailed in the Points of Contact section of this Service Bulletin to schedule a date and time.

B. Assembly/Components Affected by this Notice:

- 900F7305191-103, -105 & -107 Cockpit Doors Installation
- 900F1305101-103/104, -105/106 & -107/108 Cockpit Door Assembly (LH & RH)
- 900F7305202-103 & -105 Cabin Doors Installation
- 900F1305201-103/104, -105/106 & -107/108 Cabin Door Assembly (LH & RH)

C. Reason 1:

It has been determined that to allow operation of the helicopter up to an airspeed of 60 kts with the cabin doors held in the open position, the upper door track will require additional support structure and the cabin doors will require a device to hold them in the fully open position. These modifications are described in Section 1, Parts 1 and 3 of MOD MD9009500008. Incorporation of these modifications will also allow the cabin doors to be opened in flight at airspeeds of 60 kts or less. NOTE: Flight above 60 kts with doors opened is not allowed.

Reason 2:

It has been determined that at airspeeds of 90 kts and above both the cockpit and cabin doors tend to gap up to 1/4 inch. The modifications as described in Section 1, Parts 2, 4 and 5 of MOD MD9009500008 will both rectify this problem and ensure better door operation.

D. Description:

The procedures in MOD MD9009500008 provide instructions to install the following modifications to the cockpit and cabin doors and the associated fuselage structure:

- Cabin Door Upper Track Support
- Forward Cabin Door Restraint
- Cabin Door Hold Open Device
- Cockpit Door Restraint
- General Cabin Door Adjustment (seals, striker plates, corner fillets)

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E. FAA Approval:

The design engineering aspects of this Service Bulletin are FAA approved.

F. Manpower:

Modifications can be accomplished by one person. The estimated number of manhours required to carry out the requirements of MOD MD9009500008 are as follows:

Modification	MOD MD9009500008 Section 2	Estimated Manhours (s/s)
Cabin Door Upper Track Support	Part 1	6.0
Forward Cabin Door Restraint	Part 2	7.0
Cabin Door Hold Open Device	Part 3	2.0
Cockpit Door Restraint	Part 4	4.0
General Cabin Door Adjustment	Part 5	20.0
Total		39.0

G. Time of Compliance:

The requirements of this Service Bulletin must be completed no later than 30th June 1996.

WARNING

The helicopter shall not be flown with the cabin doors open nor can the cabin doors be opened during flight until the modifications described in Section 2, Parts 1 and 3, of MOD MD9009500008 and Revision 3 to the MD900 Rotorcraft Flight Manual are incorporated as damage to the aircraft may result.

H. Interchangeability:

Not Applicable

I. Material/Parts Availability:

All materials and parts will be provided by Hawker de Havilland as five separate kits. These kits are listed as follows:

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Cabin Door Upper Track Support	900F5305650-101	1	Hawker de Havilland
Forward Cabin Door Restraint	900F5305296-101	1	Hawker de Havilland
Cabin Door Hold Open Device	900F5305229-101	1	Hawker de Havilland
Cockpit Door Restraint	900F5305193-101	1	Hawker de Havilland
General Cabin Door Adjustment	900F5305224-101	1	Hawker de Havilland

J. Weight and Balance:

NOTE: Weight and Balance figures are subject to change.

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MODIFICATION	WEIGHT (POUNDS)	LONGITUDINAL ARM (INCHES)	LATERAL ARM (INCHES)
Cockpit Door Restraint	.17	129.91	0
Cabin Door Fitting	.62	166.80	0
Cabin Door Hold Open Device	.11	217.62	0
Upper Door Track Support	.61	225.46	0

K. Tooling:

Not Applicable

L. Electrical Load Data:

Not Applicable

M. Other Publications Affected:

The following publications are being modified as a result of this Service Bulletin and MOD MD9009500008:

- CSP-900RFM-1 Rotorcraft Flight Manual.
- CSP-900RMM-2 Rotorcraft Maintenance Manual - Servicing and Maintenance.
- CSP-900IPL-4 Illustrated Parts List.

NOTE: Refer to MOD MD9009500008 for the accomplishment instructions of this Service Bulletin.

A copy of the modification instructions will be provided with the kits. Additional copies of Modification Instructions MOD MD9009500008 can be obtained by contacting MDHS Publications Order Desk.

2. POINTS OF CONTACT:

For further assistance, contact the Field Service Department at MDHS, Mesa Arizona. Telephone: 1-800-388-3378 or (602) 891-6342. DATAFAX: (602) 891-6782.

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