



TECHNICAL BULLETIN

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MD900 (900 CONFIGURATION) TO MD900 (902 CONFIGURATION WITH PW207E ENGINES) CHANGE (REF. MOD MD9000700001)

1. PLANNING INFORMATION

A. Aircraft Affected:

MD900 helicopters serial number 900-00010 thru 900-00051.

B. Assembly/Components Affected By This Bulletin:

All installed configurations of the assembly/components that follow:

900P1600111 Left Engine Build-Up Assembly, 900P1600211 Right Engine Build-Up Assembly, 90007601100 Left Engine Build-Up Installation, 90007600200 Right Engine Build-Up Installation, 900P7621001 Inlet Panel Installation or 900F7337000 Inlet Installation - IPS Inlet, 900P7750610 Left Electronic Engine Control (EEC) Installation, 900P7750620 Right EEC Installation, 900P7750701 Ignitor Box Installation, 900P7660800 Engine Drain Installation, 900A3720002 Integrated Instrument Display System (IIDS), 900E2720604 Engine/Fuel Control Panel, 900P7663000 Fuel Supply System Installation, Fuel Cell Buildup Installation, 900P1660101 or 900P1660102 Fuel Cell Buildup Assembly, 900E2760143 Left EEC Wire Harness, 900E2760142 Right EEC Wire Harness, 900E2760123 Left Engine Control Wire Harness, 900E2760122 Right Engine Control Wire Harness, 900E2760131 Left Engine Indication Wire Harness, 900E2760132 Right Engine Indication Wire Harness, 900E2760125 Left Utility Systems Wire Harness, 900E2760124 Right Utility Systems Wire Harness, 900E2760127 Left Boost/Forward Fuel Probe Wire Harness, 900E2760136 Instrument Lights Wire Harness, 900E2760312 Inlet Particle Separator Wire Harness, 900E2750610 External Power Box, 900E2720601 Essential Circuit Breaker Panel, 900E2750620 Electrical Load Center, 900E2750612 Forward Interconnect Panel, 900C3010050 Collective Control Module, 900C7012008 Dual Pilot Directional Controls Installation, and 900E7750005-101 Hover/Landing Light Installation.

C. Reason:

To permit owners/operators of MD900 - 900 configuration (900 CONFIG) helicopters to change their helicopter to the MD900 - 902 configuration (902 CONFIG) with PW207E engines.

D. Description:

Procedures in this bulletin and MOD MD9000700001 give owners and operators of 900 CONFIG helicopters instructions to change their helicopter to the 902 CONFIG with PW207E engines. The #1 attitude gyro system, fire extinguisher system, and GO/NO-GO take off timer must be installed. The systems and components shown in Assembly/Components Affected By This Bulletin must also be changed as part of this modification. This change must be done with MD Helicopters Field Service Engineering approval.

E. Time of Compliance:

Optional, owner/operator selection.

F. FAA Approval:

The technical design data in this bulletin is FAA Approved.



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G. Classification:

This modification is a major alteration.

H. Manpower:

600-800 manhours for this modification.

I. Interchangeability:

None

J. 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.

K. Material/Part Availability:

Refer to MOD MD9000700001.

L. Warranty Policy:

N/A

M. Tooling:

N/A

N. Weight and Balance:

Refer to MOD MD9000700001.

O. Electrical Load Data:

Refer to MOD MD9000700001.

P. Other Publications Affected:

Rotorcraft Maintenance Manual CSP-900RMM-2 and CSP-900RMM-3, and Illustrated Parts List CSP-900IPL-4.

2. APPROVAL FOR CHANGE

NOTE: Before you can make this change to the helicopter, approval for change on the bulletin completed record must be completed and approved.

- (1). MDHI field service engineering will do a complete visual inspection of the helicopter and an inventory of installed components and systems to make sure this change can be done to the helicopter.
 - (a). MDHI field service engineering will make sure the condition and configuration of the helicopter is correctly recorded in the engine and rotorcraft logbooks.
 - (b). MDHI field service engineering will examine the rotorcraft logbook to make sure all applicable MDHI service bulletins and Federal Aviation Authority (FAA) Airworthiness Directives (AD) or equivalent local aviation authority directives applicable to the helicopter have been completed.
 - (c). MDHI field service engineering will make a list of all Supplemental Type Certificate (STC) and field approved systems and components installed on the helicopter. MDHI field service engineering will send the list and all records related to all STC and field approved systems and components installed on the helicopter to MDHI engineering for inspection and approval. The list and records will be examined to make sure STC or field approved installations will not have an unwanted effect on the change from 900 CONFIG to 902 CONFIG with PW207E engines.



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- (2). If the MDHI inspection shows that STC or field approved installations can have an unwanted effect on the change from 900 CONFIG to 902 CONFIG with PW207E engines or the change from 900 CONFIG to 902 CONFIG with PW207E engines can have an unwanted effect on the STC or field approved installation, it will be necessary for the helicopter owner or repair station to make the necessary corrections to remove the unwanted effect.
- (3). All helicopter defects found will be corrected before the change from 900 CONFIG to 902 CONFIG with PW207E engines is complete.
- (4). All records (which can include ground or flight tests) related to STC and/or field approved installations and/or corrections must have been approved by the applicable civil aviation authority engineering or applicable civil aviation authority Designated Engineering Representative (DER) (if delegated).

3. ACCOMPLISHMENT INSTRUCTIONS – CHANGE

Refer to MOD MD9000700001 for the accomplishment instructions of this technical bulletin.

4. IDENTIFICATION

The 900 CONFIG to 902 CONFIG change does not change the helicopter model or serial number.

5. DISPOSITION OF PARTS REMOVED

N/A

6. MAKE A RECORD

Make a record in the Compliance Record section of the Rotorcraft Log Book that this technical bulletin and MOD MD9000700001 have been completed.

Make a note in the Rotorcraft Log Book as follows: The MDHI electrical systems, fuel system and related subsystems, and engine installation and related subsystems must be maintained to maintenance instructions for MD900 (**902 CONFIG**) with PW207E engines serial number 900-00121. All components and systems not changed by TB900-028 must be maintained to maintenance instructions applicable to the helicopter before TB900-028 was completed.



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Bulletin Completed Record

Technical Bulletin TB900-028 and MOD MD9000700001, MD900 - 900 Configuration to MD900 - 902 Configuration With PW207E Engines Change

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 modification)

Helicopter Total Time: _____

Date: _____

Location: _____

Approval For Change Completed

Helicopter Total Time: _____

Date: _____

Location: _____

Inspection and configuration inventory complete: _____

All service bulletins and AD complete: _____



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List of and all records related to all STC and field approved systems and components installed on the helicopter sent to MDHI engineering for inspection and approval:_____

List of STC and field approved systems and components examined by MDHI engineering to make sure they will not have an unwanted effect on the 900 CONFIG to 902 CONFIG change or the 900 CONFIG to 902 CONFIG change can have an unwanted effect on the STC or field approved installation:_____

Dear Sir:

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

Change Completed

Helicopter Total Time:_____

Date:_____

Location:_____

Inspection of rotorcraft logbook and engine logbook to make sure all data has been recorded:_____

This bulletin and MOD MD9000700001 are complete:_____



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