

TECHNICAL BULLETIN

DATE: 15 MARCH 2010

PAGE 1 OF 4

* Supersedes Technical Bulletin TB900-009, dated 20 November 1998. Revised to reflect the correct part number for the Rod, Continuous Thread and other typographical errors. Aircraft that are in compliance with TB900-009 meet the intent of this revision.

MODIFICATION INSTRUCTIONS FOR 27 AMPERE HOUR BATTERY OPTION

1. PLANNING INFORMATION

A. Aircraft Affected:

MD900 helicopters, serial number 900-000002 thru 900-000062.

B. Assembly/Components Affected By This Notice:

Aircraft battery and battery vent tubing installation.

C. Reason:

Owner/Operators may desire to install the 27 Ampere Hour Battery option. The 27 Ampere Hour Battery provides additional reserve amperage under extreme operating conditions.

D. Description:

Procedures in this Bulletin provide owners and operators with information pertaining to the installation of the 27 Ampere Hour Battery option.

E. Time of Compliance

Customer option, at the discretion of the owner/operator.

F. Classification:

Compliance with this Bulletin is a major alteration.

G. FAA Approval:

The technical design aspects of this Bulletin are FAA Approved.

H. Manpower:

Two (2) man-hours.

I. Interchangeability:

None

J. Disposition of Parts Removed

Disposition at the owner/operator level.

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.

DATE: 15 MARCH 2010
 PAGE 2 OF 4

TECHNICAL BULLETIN

L. Material/Part Availability:

Contact MDHI Commercial Warranty and Repair Dept. (See Parts Request Form at the end of this Bulletin).

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Battery, Saft, 27 AH	024470-000	1	MDHI
Bracket, Battery Installation	900F5750003-1	2	MDHI
Rod, Continuous Thread	MHS4506-4R0805	2	MDHI
Screw, Machine	NAS603-7	4	MDHI
Washer, Flat	AN960JD10	4	MDHI

M. Warranty Policy:

None

N. Tooling:

N/A

O. Weight and Balance:

+12.14 lbs (5.51 kg) at FS 89.9, BL 0.00, and WL 109.5

P. Electrical Load Data:

N/A

Q. Other Publications Affected:

Rotorcraft Flight Manual CSP-900RFM206A-1, CSP-900RFM206E-1, CSP-900RFM207E-1, CSP-902RFM206E-1, CSP-902RFM207E-1, and Rotorcraft Maintenance Manual CSP-900RMM-2, CSP-900RMM-3, and Illustrated Parts List CSP-900IPL-4.

2. ACCOMPLISHMENT INSTRUCTIONS

(Ref. Table 1)

- (1). Remove existing aircraft battery and 2 ea. continuous threaded rod. Retain nuts and washers for reinstallation.
- (2). Install longer threaded rod into existing inserts a minimum of 0.280 in (7.11 mm). Torque only to overcome self locking run on torque.
- (3). Install aft battery bracket using NAS603 screws and AN960JD10 washers. Torque screws (Ref. CSP-SPM).
- (4). Install 27 ampere hour battery against aft bracket.
- (5). Install forward bracket and position to prevent fore and aft motion of battery. Torque screws (Ref. CSP-SPM).

TECHNICAL BULLETIN

DATE: 15 MARCH 2010
PAGE 3 OF 4

- (6). Install previously removed washers and nuts onto threaded rod and tighten sufficiently to ensure no axial movement of the joint.
- (7). Install existing vent tubing onto battery case.
- (8). Record accomplishment of this Modification Instruction in the Compliance Record Section of the Helicopter Log Book.

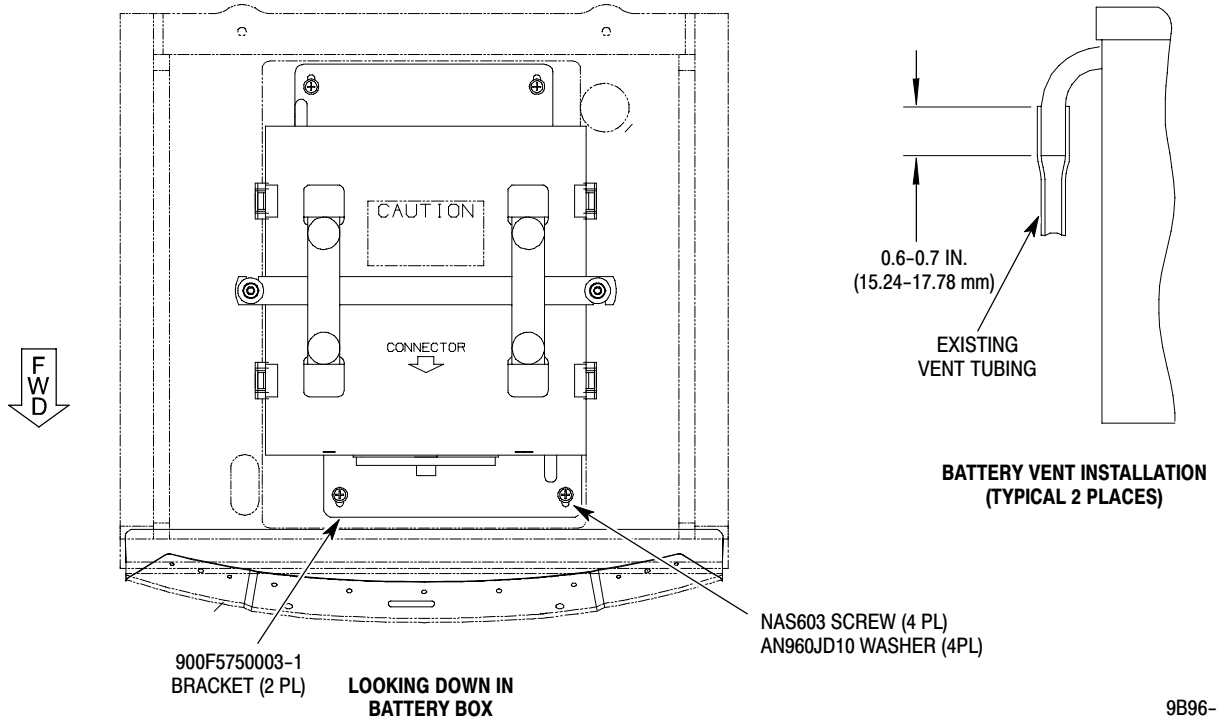


Table 1.

9B96-119



DATE: 15 MARCH 2010
PAGE 4 OF 4

TECHNICAL BULLETIN

Modification Instructions for 27 Ampere Hour Battery Option

Parts Request Form: Please fill in the following information and return to MDHI for parts/supplies required for compliance. This form may be faxed to MDHI Warranty and Repair Department at (602) 891-3952.

Aircraft Ser. No.:

Aircraft Total Time:

Date:

Parts Required:

Part Ser. No. (if required):

Ship to: