



SERVICE BULLETIN

DATE: 04 AUGUST 2000
PAGE 1 OF 5

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ELECTRICAL LOAD CENTER INSPECTION AND REWORK

1. PLANNING INFORMATION

A. Aircraft Affected:

All MD-900 helicopters, serial number 900-00052 thru 900-00076.

B. Assembly/Components Affected By This Notice:

Electrical Load Center (P/N 900E2750620-127), Wire Harness (P/N 900E2760620-125).

C. Reason:

A wire which supplies power to the No. 2 condenser fan circuit breaker was inadvertently omitted on some MD-900 helicopters. This wire is considered part of the basic helicopter design and should be present on all MD-900 helicopters.

Failure to comply with this service bulletin will cause inefficient operation of the air conditioning system.

D. Description:

Procedures in this Bulletin provide owners and operators with information pertaining to inspection of the electrical load center for the subject wire and, if necessary, rework the electrical load center to install the missing wire.

E. Time of Compliance:

The requirements of this Bulletin shall be accomplished at the next annual inspection or within one year of the issue date of this bulletin, whichever occurs first.

F. FAA Approval:

The technical design aspects of this Bulletin are FAA Approved.

G. Manpower:

One (1) man-hour.

H. Interchangeability:

N/A

I. Points of Contact:

For further assistance, contact your local MDHI Field Service Representative (refer to the latest revision of the "At Your Service" handbook for address and telephone numbers) or contact the Field Service Department at MDHI, Mesa, Arizona. Telephone 1-800-388-3378 or (480) 346-6387. DATAFAX: (480) 346-6813.

/// MANDATORY ////////////////////////////////////// MANDATORY ////////////////////////////////////// MANDATORY ///

DATE: 04 AUGUST 2000

PAGE 2 OF 5

SERVICE BULLETIN

/// MANDATORY ////////////////////////////////////// MANDATORY ////////////////////////////////////// MANDATORY ///

J. Material/Part Availability:

Contact MDHI Warranty/Repair Dept.

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Wire, Type SY	M22759/43-12-9 (MRM011379)	4 ft (122 cm)	MDHI
Terminal, Ring, Yel-No. 8 Stud, 10-12 AWG	MS25036-156	1	MDHI
Contact, Socket-Size 12, 12-14 AWG	MHS4783-12	1	MDHI

K. Warranty Policy:

MDHI Warranty/Repair Department will provide acceptable replacement parts at no cost to the operator. The replacement parts will be covered by the MDHI new part warranty. MDHI will also credit those affected operators with one hour of labor warranty (spares credit).

L. Tooling:

N/A

M. Weight and Balance:

N/A

N. Electrical Load Data:

N/A

O. Disposition of Parts Removed:

N/A

P. Other Publications Affected:

N/A



SERVICE BULLETIN

DATE: 04 AUGUST 2000
PAGE 3 OF 5

/// MANDATORY ////////////////////////////////////// MANDATORY ////////////////////////////////////// MANDATORY ///

2. ACCOMPLISHMENT INSTRUCTIONS

A. Inspection Instructions

(Ref. Figure 1)

- (1). Open baggage compartment door L262 (Ref. CSP-RMM-2, Section 06-00-00, Access Methods).
- (2). Remove baggage compartment roof insulation as required to gain access to electrical load center (Ref. CSP-RMM-2, Section 25-50-00, Insulation Panel Removal).
- (3). Open electrical load center, A620 and check for wire segment P113B12 EMI 3 between CB26-1 and W7-TB1-B.
- (4). If wire segment P113B12 EMI 3 is present, perform step 2.C. Completion Instructions.
- (5). If wire segment P113B12 EMI 3 is not present, continue with Rework Instructions below.

B. Rework Instructions

- (1). Fabricate and identify wire in accordance with Wire Build Table and Rotorcraft Maintenance Manual (CSP-900RMM-3).

WIRE BUILD TABLE						
Wire No.	Wire Nomenclature	Part No.	Wire Length	Termination		Source
				A	B	
1	P113B12 EMI 3	M22759/43-12-9	40 in. (101.6 cm)	MS25036-156 TERMINAL	HS4783-12 CONTACT	MDHI

- (2). Check continuity of wire P113B12 EMI 3.

NOTE: Route and secure added wire with existing wire harness.

- (3). Install wire P113B12 EMI 3 from CB26-1 to W7-TB1-B.
- (4). Reidentify wire harness 900E2760620-123 to 900E2760620-125 by ink stamping new number on wire harness identification tag.
- (5). Reidentify electrical load center 900E2750620-127 to 900E2750620-129 by ink stamping new number on box.
- (6). Close electrical load center.
- (7). Test air conditioning system, if installed.
 - (a). Start engines (Ref. CSP-902RFM-1, Section IV).
 - (b). Turn on air conditioning (Ref. CSP-902RFM-1, Section X).
 - (c). Verify that CNDSR FAN 1 circuit breaker, CB56 and CNDSR FAN 2 circuit breaker, CB26 are both closed.
 - (d). Open CNDSR FAN 1 circuit breaker, CB56 and verify air flow is present below baggage compartment door, indicating that condenser fan 2 is functioning.

/// MANDATORY ////////////////////////////////////// MANDATORY ////////////////////////////////////// MANDATORY ///



DATE: 04 AUGUST 2000
PAGE 4 OF 5

SERVICE BULLETIN

/// MANDATORY ////////////////////////////////////// MANDATORY ////////////////////////////////////// MANDATORY ///

- (e). Close CNDSR FAN 1 circuit breaker, CB56.
- (f). Turn off air conditioning (Ref. CSP-902RFM-1, Section X).
- (g). Shutdown engines (Ref. CSP-902RFM-1, Section IV).

C. Completion Instructions

- (1). Reinstall baggage compartment roof insulation as required (Ref. CSP-RMM-2, Section 25-50-00, Insulation Panel Installation).
- (2). Close baggage compartment door L262 (Ref. CSP-RMM-2, Section 06-00-00, Access Methods).
- (3). Record compliance to this Service Bulletin in the Compliance Record section of the helicopter Log Book.

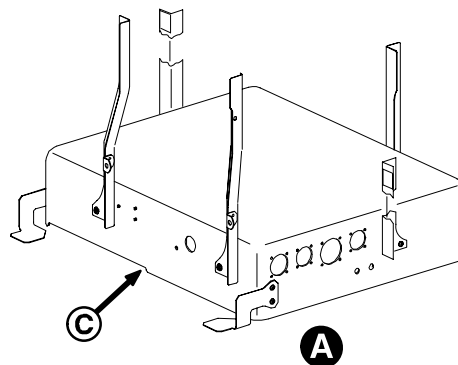
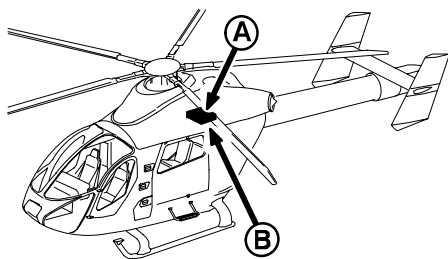
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SERVICE BULLETIN

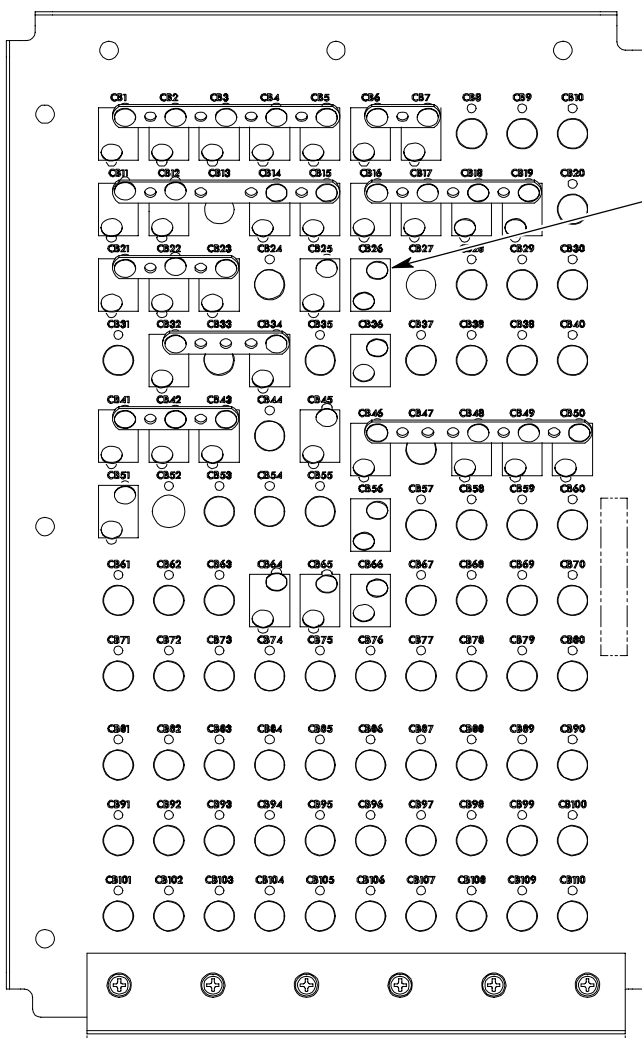
DATE: 04 AUGUST 2000

PAGE 5 OF 5

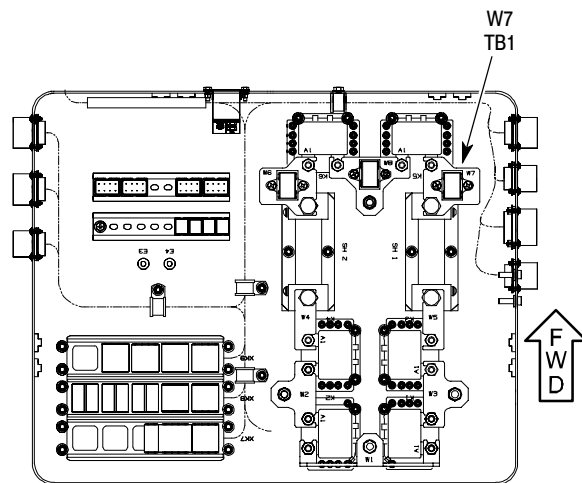
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B ELECTRICAL LOAD CENTER



CB26-1



D INTERIOR VIEW LOOKING UP

C VIEW LOOKING FORWARD WITH PANEL OPEN AND ROTATED 180°

9B96-161

Figure 1. Electrical Load Center Component Locations

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