



SERVICE BULLETIN

DATE: 24 APRIL 2000
PAGE 1 OF 7

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* Supersedes Service Bulletin SB900-069, dated 01 June 1999. Reason For Revision: Administrative documentation change for clarification; to delete an unused part from the Replacement Parts list, clarify interconnect diagram, and add the requirement for the prior incorporation of Service bulletin SB900-063. This revision does not affect the installation of this modification and aircraft which have complied with SB900-069 meet the intent of this revision.

A612 FORWARD INTERCONNECT PANEL MODIFICATION

1. PLANNING INFORMATION

A. Aircraft Affected:

MD-900 Helicopters, serial number MD900-00008 thru MD900-00051.

B. Assembly/Components Affected By This Notice:

Forward Interconnect Panel PN: 900E2750612-ALL.

C. Reason:

Wiring in the collective stick(s) wire harness is protected by a circuit breaker that is too large for the wire size. Not complying with this Bulletin in conjunction with a short circuit condition may result in a fire or unpredictable operation of any collective head control functions.

D. Description:

This Bulletin provides the owner/operator with information to modify the Forward Interconnect Panel. This modification re-configures the electrical circuit to use the wires installed in the collective sticks as the ground path instead of the power path.

E. Time of Compliance

Service Bulletin SB900-063 must be accomplished prior to incorporating this Service Bulletin. Accomplish SB900-69R1 within the next 100 Hours of operation or 31 July 1999, whichever occurs first.

F. FAA Approval:

The technical aspects of this Bulletin are FAA approved.

G. Manpower:

Three (3) man-hours.

H. 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.

I. Interchangeability:

N/A

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

DATE: 24 APRIL 2000
PAGE 2 OF 7

SERVICE BULLETIN

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

J. Material/Part Availability:

Contact MDHI Warranty and Repair Dept.

Table 1. REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Wire, Silver Coated Copper	M22759/43-22-9 (RM011317)	150 in (381 cm)	MDHI or Commercial
Contact, Socket	M39029/22-191	10 ea.	MDHI or Commercial
Contact, Socket	1662-202-1631	6 ea.	MDHI or Commercial
Marker, Cable	HS4910-1001	14 ea.	MDHI or Commercial

K. Warranty Policy:

In accordance with the existing warranty policy.

L. Tooling:

Required tooling for terminating new wires and removing existing wires is contained in the Rotorcraft Maintenance Manual (CSP-900RMM-3).

M. Weight and Balance:

N/A

N. Electrical Load Data:

N/A

O. Other Publications Affected:

MD900 Rotorcraft Maintenance Manual (CSP-900RMM-3).



DATE: 24 APRIL 2000

PAGE 4 OF 7

SERVICE BULLETIN

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

- (8). Remove wire E98B24 EMI 3 from TB2-5D and J2-8 and discard.
- (9). Remove wire E294A24 EMI 3 from TB2-6A and TB2-7D and discard.
- (10). Remove wire E94F24 EMI 3 from TB2-5A and J6-12 and discard.

NOTE: Route new wires with existing wire harness.

- (11). Install wire E29J22 EMI 3 from TB2-5R to K10-A3.
- (12). Install wire E294D22 EMI 3 from TB2-6C to K10-X1.
- (13). Install wire E18M22 EMI 3 from TB2-5C to K9-X2.
- (14). Install wire E1M22 EMI 3 from TB2-6F to K10-X2.
- (15). Install wire E277G22 EMI 3 from TB2-6R to K9-A3.
- (16). Install wire E294B22 EMI 3 from TB2-6A to TB2-7D.
- (17). Install wire E294C22 EMI 3 from TB2-6B to K9-X1.
- (18). Remove wire E18G24 BLU EMI 3 from TB2-6C and install in TB2-5A. Splice wire if necessary (Ref. CSP-900RMM-3).
- (19). Remove wire E18J24 BLU EMI 3 from TB2-6D and install in TB2-5D. Splice wire if necessary (Ref. CSP-900RMM-3).
- (20). Tie new wires into existing wire harness.
- (21). Using indelible ink, identify A612 panel with the number of this Bulletin.
- (22). Reinstall A612 panel and close all opened access panels.
- (23). Record compliance to this Service Bulletin in the Compliance Record Section of the Rotorcraft Log Book.
- (24). Please return completed compliance form to John Reagan, Manager Commercial Support, FAX (602) 891-6782.

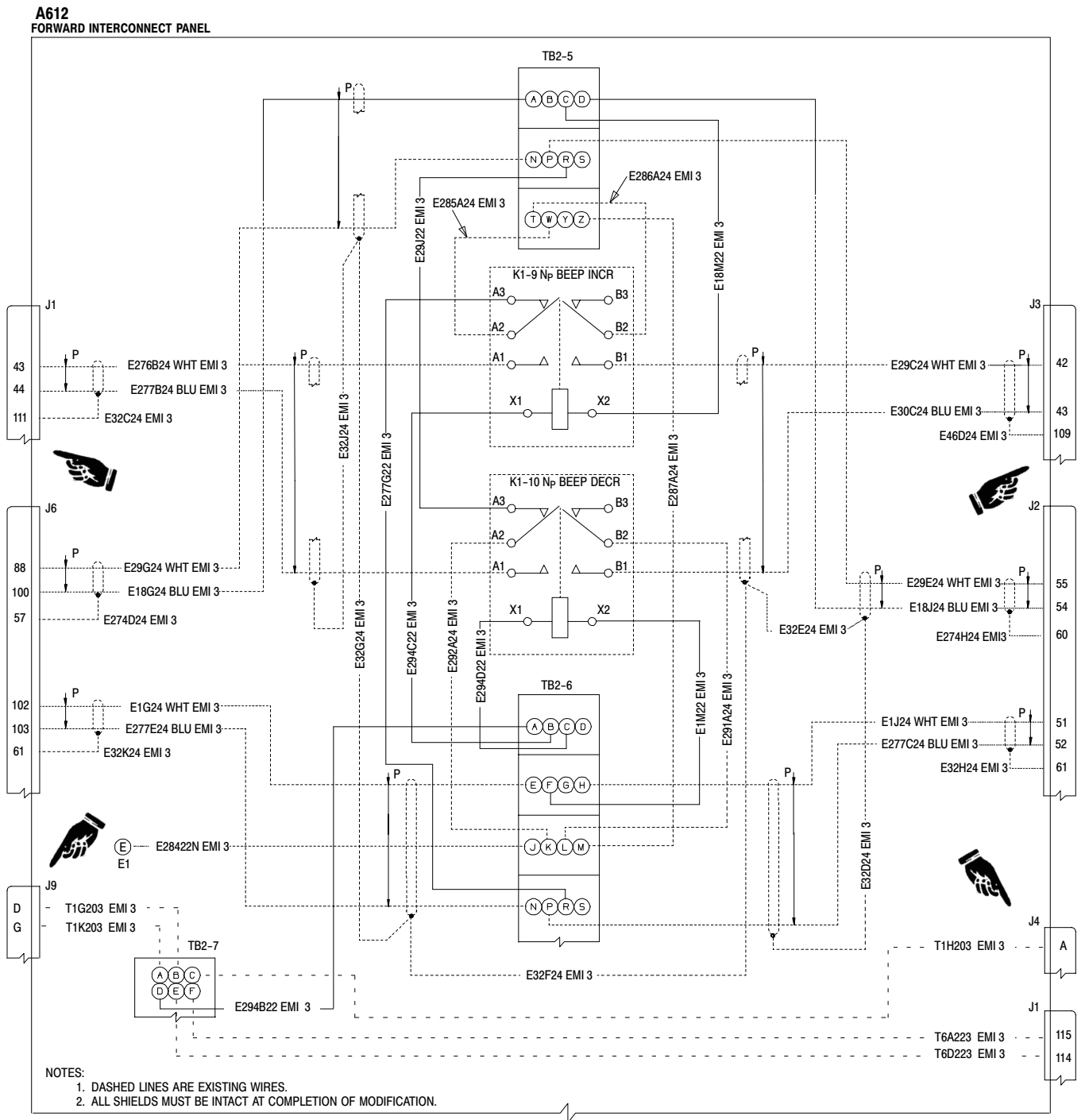
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SERVICE BULLETIN

DATE: 24 APRIL 2000

PAGE 5 OF 7

MANDATORY MANDATORY MANDATORY



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Figure 1. Modification Wiring Diagram

