



SERVICE BULLETIN

DATE: 23 APRIL 1999

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MANDATORY

FADEC WIRE HARNESS STAND-OFF INSTALLATION INSPECTION AND MODIFICATION

1. PLANNING INFORMATION

A. Aircraft Affected:

All MD Helicopters, Inc. (MDHI) MD600 helicopters, serial number RN003 thru RN040.

B. Assembly/Components Affected By This Notice:

Electrical Wiring Harness Installation (P/N 600N4262)

C. Reason:

MDHS has discovered that a possible internal wire harness shorting condition may occur if a longer length screw is substituted for the proper screw in the aft compartment trim above the FADEC ECU, in the drive shaft closeout area. Failure to comply with the requirements of this Bulletin could cause FADEC fault lights to illuminate and/or prevent the ship from starting due to FADEC faults.

D. Description:

Procedures in this Bulletin provide owners and operators with information pertaining to inspecting the FADEC wire harness for any possible damage from adjacent hardware. This Bulletin also requires operators to install three pan poles to provide additional clearance for trim mounting screws in the transmission drive shaft area.

E. Time of Compliance

The requirements of this Bulletin shall be accomplished within the next 100 hours of helicopter operation or no later than 30 November 1999.

F. FAA Approval:

The technical design aspects of this Bulletin are FAA Approved.

G. Manpower:

2.0 man-hours.

H. Interchangeability:

None

I. Material/Part Availability:

Contact MDHI Warranty and Repair Dept.

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Pan Pole	PP2S-S10	3	MDHI
Nut	MS21043-08	3	MDHI

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REPLACEMENT PARTS/SUPPLIES (Cont.)			
Nomenclature	Part No.	Qty.	Source
Screw	MS51957-45	3	MDHI
Washer	NAS620A8L	6	MDHI
Tie-Straps	MS3367-1	3	MDHI

J. Warranty Policy:

MDHI will provide parts and 2.0 hour of labor credit to operators.

K. Tooling:

N/A

L. Weight and Balance:

N/A

M. Electrical Load Data:

N/A

N. Other Publications Affected:

Illustrated Parts Catalog (CSP-IPC-4)

2. ACCOMPLISHMENT INSTRUCTIONS

- (1). Remove trim panels as required to expose the FADEC wire harness attach points above the FADEC ECU in the aft compartment. Inspect wire harness for any damage from adjacent hardware. If there is apparent chaffing on the wire harness cover (NOMEX cover), the wire harness may be removed and a pin to pin continuity check can be made. The wire harness is not field repairable and, if the stainless steel braid is damaged and/or pin to pin continuity check has failed, the harness must be replaced.
- (2). Remove the tie straps that secure the FADEC wire harness to the ships structure and secure the wire harness to provide adequate clearance to perform the following rework.
- (3). Locate and install the three Pan Pole standoffs as shown on Figure 1.
- (4). Secure FADEC wire harness to the standoffs using tie straps. **NOTE:** The transmission drain lines may be secured to these standoffs as well for convenience. It is not necessary to remove the existing tie bases in the rework area.
- (5). Reinstall any trim panels previously removed.
- (6). Record compliance to this Service Bulletin in the Compliance Record section of the helicopter Log Book. Complete the attached form and FAX back to MDHS.

3. DISPOSITION OF PARTS REMOVED

Scrap locally.

4. 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) 891-6342. DATAFAX: (480) 891-6782.

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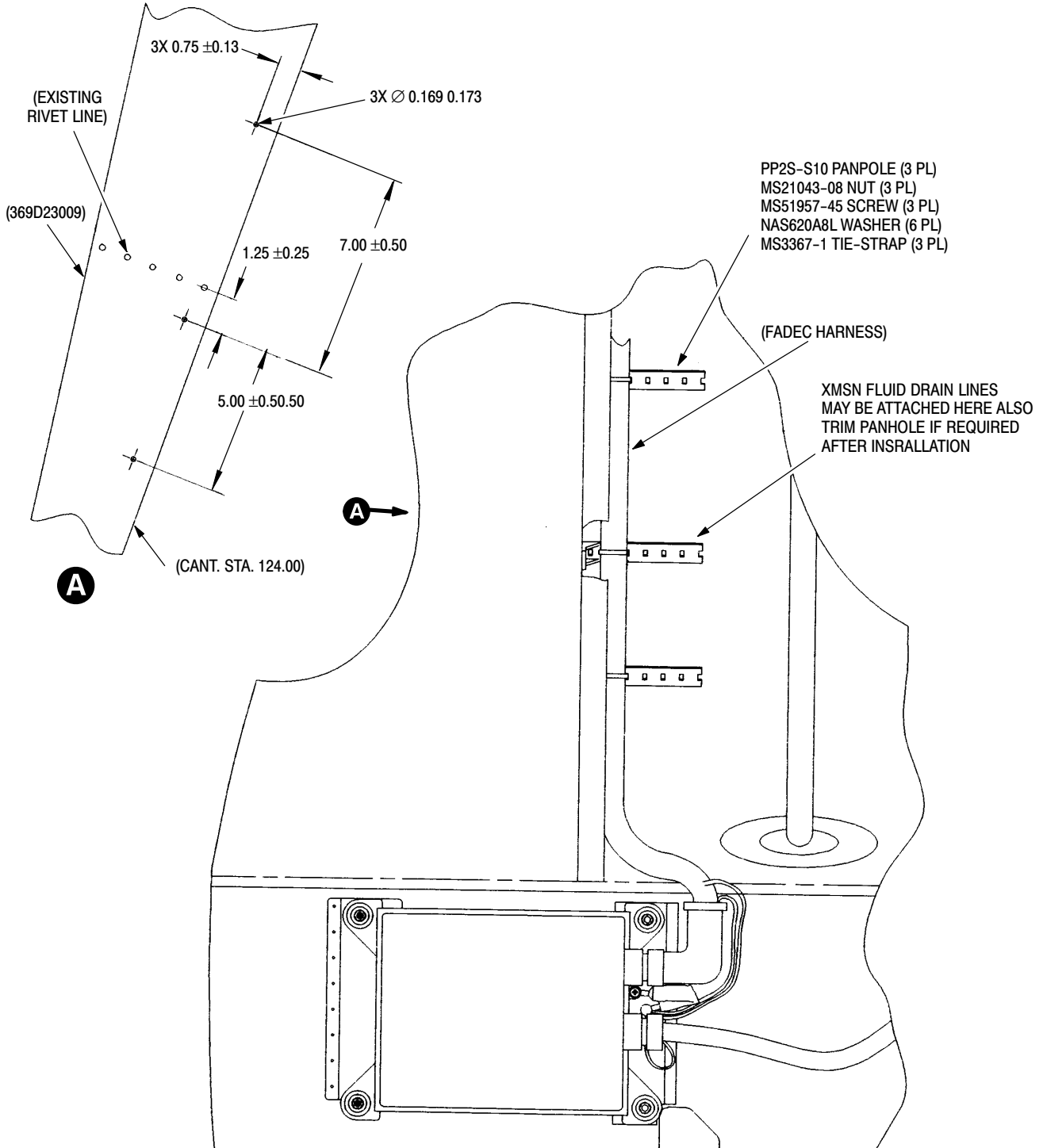


Figure 1. FADEC Wire Harness Routing Rework.

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Service Bulletin Compliance Form

Aircraft Serial Number:

Date of Compliance:

Person Reporting Compliance:

Replacement Parts Required:

FAX this form to (602) 891-6782

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