



SERVICE BULLETIN

DATE: 13 DECEMBER 2001

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MANDATORY

TORQUE TRANSDUCER ELECTRICAL CONNECTOR ONE TIME INSPECTION

1. PLANNING INFORMATION

A. Aircraft Affected:

Model 600N Helicopters, serial number RN003 thru RN061.
Serial numbers RN003 thru RN047 must be in compliance with Service Bulletin SB600N-018R1 or later revision prior to accomplishing this Bulletin.

B. Assembly/Components Affected By This Bulletin:

Torque Transducer Electrical Connector (P/N MS27484T8F35S).

C. Reason:

Some torque transducer electrical connectors were installed with a sealing plug or a contact in the center contact position, which may block the transducer ambient pressure port. This condition may cause erroneous torque meter indications with changes in altitude.

Failure to comply with this Bulletin may cause continued erroneous torque meter indications and possible failure to keep torque within RFM limits.

D. Description:

Procedures in this Bulletin provide owners and operators with information pertaining to inspecting the torque transducer electrical connector to determine if a sealing plug or contact is installed in the center contact position.

E. FAA Approval:

The technical design aspects of this Bulletin are FAA Approved.

F. Manpower:

0.75 man-hour (helicopters without particle separator).
1.5 man-hours (helicopters with particle separator).

G. Time of Compliance

The requirements of this Bulletin shall be accomplished within the next 300 hours of flight or within one year of the issue date of this Bulletin, whichever occurs first.

H. Interchangeability:

None

I. Material/Part Availability:

N/A

J. Warranty Policy:

The standard warranty policy applies.

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K. Tooling:

N/A

L. Weight and Balance:

N/A

M. Electrical Load Data:

N/A

N. Other Publications Affected:

N/A

O. 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.

2. ACCOMPLISHMENT INSTRUCTIONS**A. Torque Transducer Electrical Connector Inspection**

- (1). Remove engine inlet screen (Ref. CSP-HMI-2, Section 71-10-00, Engine Inlet Screen Removal (600N)) or remove particle separator (Ref. CSP-HMI-2, Section 71-10-60, Particle Separator Removal).
(Ref. Figure 1)
- (2). Unplug connector, P23 from torque transducer.
- (3). Remove backshell from connector.
- (4). Verify that center contact position (position 6) of connector is open and unobstructed.
- (5). If contact position is obstructed, remove sealing plug or extract contact.
- (6). Reassemble backshell and connector, and verify that shield terminations are not damaged.
- (7). Install reassembled connector on torque transducer mating connector.
- (8). Install engine inlet screen (Ref. CSP-HMI-2, Section 71-10-00, Engine Inlet Screen Installation (600N)) or install particle separator (Ref. CSP-HMI-2, Section 71-10-60, Particle Separator Installation).

3. IDENTIFICATION

N/A

4. DISPOSITION OF PARTS REMOVED

Scrap.

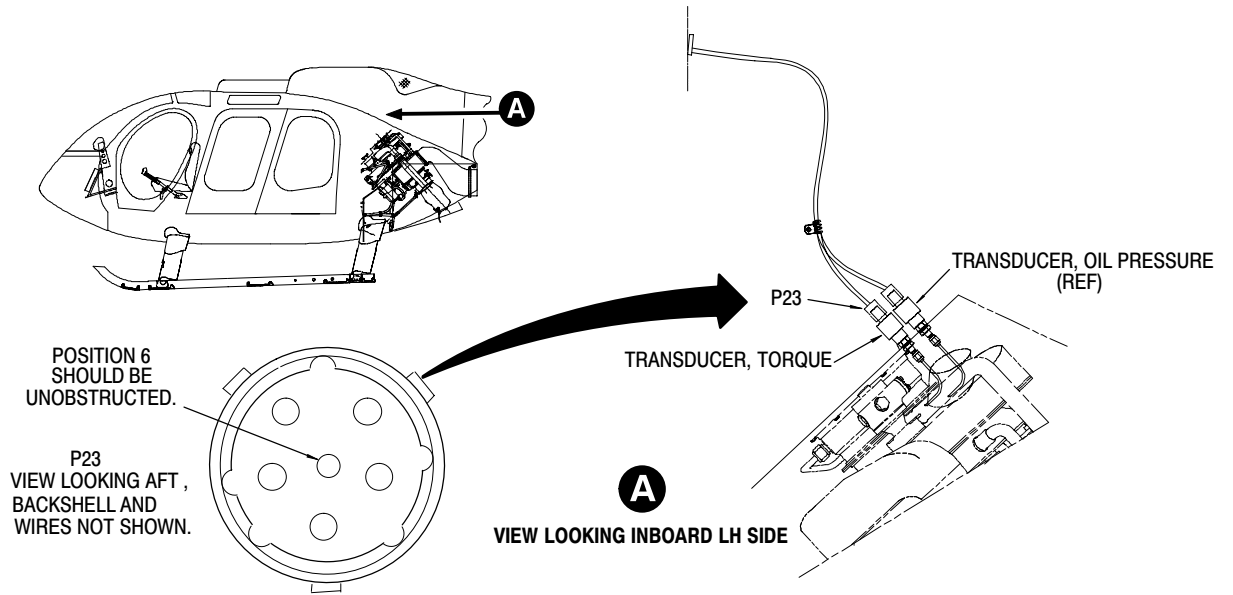
5. COMPLIANCE RECORD

Record Compliance with this Service Bulletin in the Compliance Record section of the helicopter Log Book.

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Figure 1. Torque Transducer Electrical Connector Location

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