



SERVICE BULLETIN

DATE: 12 SEPTEMBER 1997
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MANDATORY

ENGINE COOLING IMPROVEMENT

1. PLANNING INFORMATION:

A. Aircraft Affected:

Boeing 600N helicopters, serial numbers RN003 thru RN017.

B. Assembly/Components Affected by this Notice:

Engine Oil System Installation (P/N 369D28300-509).

C. Reason:

To improve engine oil cooling allowing an increase in the ambient temperature operating environment to 125°F at sea level. Compliance with the requirements of this Bulletin shall increase the allowable operating temperature environment (refer to Rotorcraft Flight Manual, CSP-600RFM-1, Revision 3 or later. See Section II, Figure 2-1 Ambient Temperature Envelope). Accomplishing the requirements of this Bulletin makes the oil cooler duct installation equivalent to a 369D28300-511 installation.

D. Description:

Procedures in this Bulletin provide owners and operators with information pertaining to installing eight (8) stiffeners around the oil cooler ducting installation held in place by ty-straps.

E. FAA Approval:

The technical design aspects of this Service Bulletin are FAA Approved.

F. Manpower:

1.5 manhours.

G. Time of Compliance:

The requirements of this Bulletin shall be accomplished at the next scheduled 100 hour/annual inspection or at the next access to the affected engine oil cooling ducting, or no later than 31 March 1998.

H. Interchangeability:

None

I. Material/Part Availability:

Contact Boeing Warranty and Repair Department.

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Stiffener, Oil Cooler Duct Seal	600N8301-1	8	MDHS

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J. Warranty Policy:

Boeing will provide parts at no cost to the operator and 1.5 hours of labor credit to accomplish this modification.

K. Tooling:

N/A

L. Weight and Balance:

N/A

M. Electrical Load Data:

N/A

N. Other Publications Affected:

Rotorcraft Flight Manual (CSP-600RFM-1), Basic Handbook of Maintenance Instructions (CSP-600HMI-2/3) and Illustrated Parts Catalog (CSP-600IPC-4).

2. ACCOMPLISHMENT INSTRUCTIONS:

- (1). Remove interior and stress panels, as required, to gain access to the engine oil cooling duct area.
- (2). Remove the two MS3367-6-9 ty-straps that hold the 369D28303 engine oil cooler duct connector in place.
- (3). Refer to Figure 1. Install four 600N8301-1 oil cooler duct seal stiffeners underneath each of the ty-straps (one on each of the four sides, two places) and tighten ty-straps.

3. DISPOSITION OF PARTS REMOVED:

N/A.

4. COMPLIANCE RECORD:

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

5. POINTS OF CONTACT:

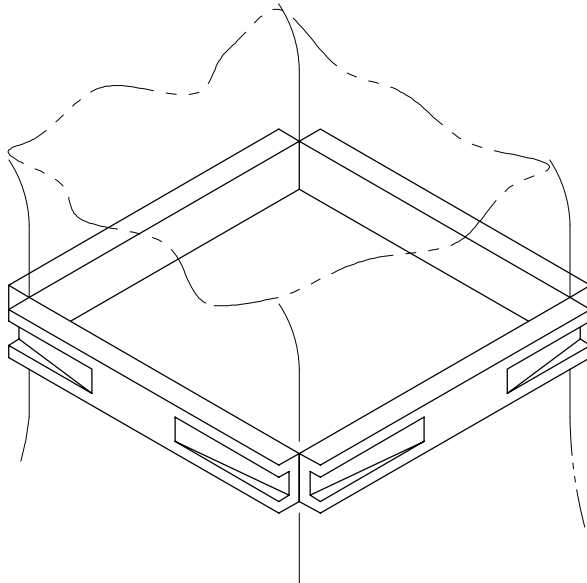
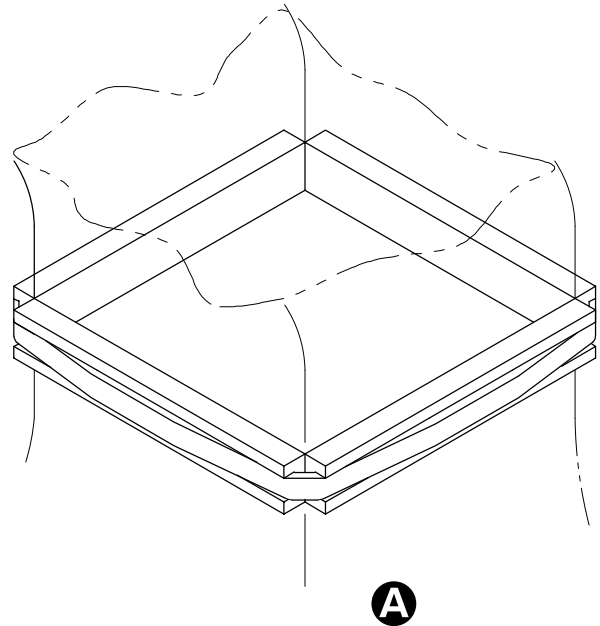
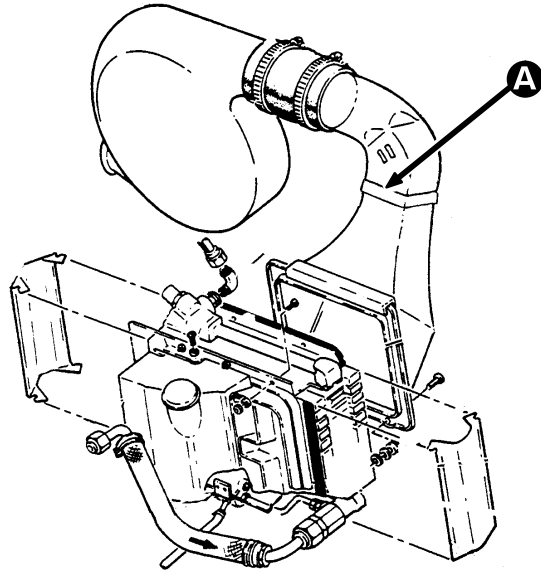
For further assistance, contact your local Boeing Field Service Representative (refer to the latest revision of the "At Your Service" handbook for address and telephone numbers) or contact the Field Service Department at Boeing, Mesa, Arizona. Telephone: 1-800-388-3378 or (602) 891-6342. DATAFAX: (602) 891-6782.

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Figure 1. Engine Cooling Improvement Modification

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OIL COOLING DUCT MODIFICATION

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

Aircraft Ser. No. _____

Aircraft Total Time _____

Date _____

Part Ser. No. (if required) _____

Ship to:

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