



# SERVICE BULLETIN

DATE: 26 SEPTEMBER 1997  
PAGE 1 OF 2

**MANDATORY**

## MAIN ROTOR TRANSMISSION ACCESSORY DRIVE INSPECTION

### 1. PLANNING INFORMATION:

#### A. Aircraft Affected:

All Boeing 369D, 369E, 369FF, 500N and 600N Series Helicopters equipped with 369F5100-503 Main Rotor Transmissions. All 369F5100-503 Main Rotor Transmissions in Spares Inventories.

#### B. Assembly/Components Affected by this Service Bulletin:

Main Rotor Transmission (P/N 369F5100-503, Serial Numbers 005570-0001, 0003 thru 0010, 0012, 0015 thru 0018, 0020 thru 0028, 0030 thru 0051, 0053 thru 0065, 0067 thru 0088, 0090 thru 0098, 0100 thru 0103, 0106, 0108 thru 0109, 0111, 0135).

#### C. Time of Compliance:

The requirements of this Bulletin shall be accomplished within the next 50 hours of operation or no later than 31 December 1997.

#### D. Reason:

A fielded transmission was found not to have cotter pins installed on the nuts of the accessory drive idler gears. Failure to comply with the requirements of this Bulletin may result in an emergency landing situation.

#### E. Description:

Procedures in this Bulletin provide owners and operators with information pertaining to having the main rotor transmission inspected and if necessary replacement information.

NOTE: It is recommended that the Service Bulletin regarding the inspection of input shaft coupling assemblies be accomplished concurrently with Service Bulletin (Ref SB369D-192, SB369E-085, SB369F-072, SB500N-013 and SB600N-003).

#### F. FAA Approval:

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

#### G. Manpower:

One (1) manhour will be required to inspect transmissions in spares inventories and eight (8) manhours will be required to inspect those transmissions installed in helicopters.

#### H. Interchangeability:

None

#### I. Material/Part Availability:

Contact Boeing Warranty and Repair Dept.

REPLACEMENT PARTS/SUPPLIES			
Nomenclature	Part No.	Qty.	Source
Main Rotor Transmission	369F5100-503	A/R	Boeing

**MANDATORY**



# SERVICE BULLETIN

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

## **J. Warranty Policy:**

Boeing will provide replacement parts at no cost to the operator. Contact Boeing Commercial Warranty and Repair Department for replacement parts.

## **K. Tooling:**

Provided by Boeing Field Service Representative as needed.

## **L. Weight and Balance:**

N/A

## **M. Electrical Load Data:**

N/A

## **N. Other Publications Affected:**

N/A

## **2. ACCOMPLISHMENT INSTRUCTIONS:**

- (1). Contact your local Boeing Field Service Representative or the Boeing Commercial Field Service Department in Mesa, Arizona, to schedule Boeing or ACR approved personnel to perform this Service Bulletin.

NOTE: Operators wishing to have Boeing Approved Service Centers perform this operation must contact Boeing Field Service Department for approval, procedures and replacement items needed for transmission disassembly and reassembly.

## **3. DISPOSITION OF PARTS REMOVED:**

If the transmission has to be removed and replaced, immediately contact Boeing Commercial Warranty and Repair for a replacement transmission.

Removed transmissions shall be returned to ACR Industries, Inc.

ACR Industries, Inc.  
15375 Twenty Three Mile Road  
Macomb, Michigan 48042  
Phone: (810) 781-2800  
FAX: (810) 781-0152  
Contact person: Mike Gallagher

## **4. COMPLIANCE RECORD:**

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

## **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.

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