



**Airworthiness  
Directive  
97-276**

**Luftfahrt-Bundesamt**  
Airworthiness Directive Section  
Lilienthalplatz 6  
38108 Braunschweig  
Federal Republic of Germany

**Eurocopter Deutschland**

Effective Date: September 25, 1997

**Affected:**

Kind of aeronautical product: Helicopter  
Manufacturer: Eurocopter Deutschland, Ottobrunn, Germany  
Type: MBB-BK 117  
Models affected: all  
Serial numbers affected: all  
German Type Certificate No.: 3049

**Subject:**

Main Transmission - visual inspection of rotor mast flange for cracks

**Reason:**

A rotor mast was found to have cracks of critical magnitude in the area of the flange. The cause of the cracks is being determined. In the meantime, the rotor mast flange must be subjected to an immediate visual crack inspection which is to be repeated at intervals until further notice.

**Action:**

Using a magnifying glass (at least 5-power magnification) perform visual inspection for cracks in the ribbed area of the rotor mast flange.

If any cracks were found, contact the ECD Customer Service prior to the next flight for advice on how to proceed

Please contact: ECD, Customer Service  
Tel.: 090671 / 4444 or Fax: 090671 / 4111

In USA: Please contact AEC  
Tel.: 214-641-3736 or Fax 214-641-3764

**Compliance:**

First inspection must be performed after the last flight of the day and then every 100 flight hours until further notice.

**Technical publication of the manufacturer:**

Eurocopter Deutschland Alert Service Bulletin ASB-MBB-BK 117-10-114 dated August 27, 1997 which becomes herewith part of this AD and must be obtained from Messrs.:

Eurocopter Deutschland GmbH  
Postfach

D-81663 München  
Federal Republic of Germany

**Accomplishment and log book entry:**

Action to be accomplished by an approved service station and to be checked and entered in the log book by a licensed inspector.