



CIVIL AVIATION AUTHORITY  
CZECH REPUBLIC  
Airworthinwss Division

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## AIRWORTHINESS DIRECTIVE

**Number: CAA-AD-038/2004**

Date of issue: April 21, 2004

**Eurocopter Deutschland, GmbH  
BO 105**

### **SURVEY LBA AND FAA AD ISSUED TO APRIL 04, 2004 FOR EUROCOPTER BO 105 HELICOPTER**

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**Applicability:** Eurocopter BO 105 Helicopter; certificated in any category.

**Effective date:** June 10, 2004

**Reason:** Specification of system issuing AD's by CAA CZ. This AD contains LBA and FAA AD issued to April 04, 2004.

**Compliance:** At the nearest year or 100 hours check.

Upon receipt this AD you check, whether AD's contains in this AD are integrated into the Aircraft's Logbook.

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*Remarks: The compliance of this AD must be recorded in Aircraft Logbook, where applicable the requirements of this AD must be integrated into Aircraft Technical Documentation. Address inquiries concerning this AD to: Civil Aviation Authority, Airworthiness Division, Ruzyně Airport, 160 08 Prague 6, Czech Republic, tel.: 420 2 33320922, fax: 420 2 20562270.*

**Ing. Pavel MATOUŠEK**  
Director

Airworthiness Directives issued LBA for Eurocopter BO 105 to April 04, 2004.

2001-281	18.10.2001	Main Rotor P/N 105-14101 – Implementation of a calendar life limit for tension-torsion-straps 2602559 and 2606576
1999-289/3	05.04.2001	Main Rotor System - Inspection and Replacement of Tension-Torsion Strap
1999-300/3	31.08.1999	Main Rotor System - Inspection and Replacement of Tension-Torsion Strap
1999-300/2	31.08.1999	Main Rotor System - Inspection and Replacement of Tension-Torsion Strap
1999-300	23.08.1999	Main Rotor System - Inspection and Replacement of Tension-Torsion Strap
1999-289/2	01.09.1999	Main Rotor System - Inspection and Replacement of Tension-Torsion Strap
1999-289	11.08.1999	Main Rotor System - Inspection and Replacement of Tension-Torsion Strap
1997-275	25.09.1997	Main transmission - visual inspection of rotor mast flange for cracks
1995-458	05.12.1995	Installation of Voltage Controller including Overvoltage Protection
1992-273	29.04.1992	Transmission System - checking installed position of transmission flanges
1991-204	26.11.1991	Insufficient clearance between PC Air Tube and Pipe Assembly
1989-123/2	25.10.1989	Tandemhydraulic units, valve body manifolds
1987-106/2	29.06.1987	Main-rotor head - hex. bolts for blade connections
1986-148	25.07.1986	Fuelsystem - drainvalve
1986-106	22.07.1986	Tailrotor gearbox - attachment bolts ( P/N LN 9037-10040 )
1985-265	16.12.1985	Tandem hydraulic system
1985-050	18.02.1985	Control rods
1984-178	05.11.1984	Vertical Fin - Reinforcement
1983-124/2	30.10.1984	Tandem hydraulic units - Failure of flat springs in the override mechanism
1984-128	06.08.1984	Tail rotor blades
1984-177/2	14.01.1984	Cargo Hook
1982-099	28.05.1982	Hoist cable - Failure of the cable due to damage during previous operation
1980-208	27.08.1980	Main gear box
1980-095/2	11.06.1980	Bendix drive shaft
1976-256/3	19.02.1980	Rotor brake
1978-295/2	21.01.1980	Tail rotor blades and tail rotor heads
1979-235/2	18.10.1979	Dual Hydraulic Boost System
1979-444	17.10.1979	Engine cowling
1979-443	17.10.1979	Bendix shafts and Bendix clutches
1979-234	14.05.1979	Nose door for control linkage compartment
1979-135	20.03.1979	Bearings of main rotor transmission
1979-144	16.03.1979	Tail rotor blade grips
1979-137	16.03.1979	Asbestos cloth of drive shaft fairings
1979-136	14.03.1979	Exhaust pipe clamps
1978-399	18.12.1978	Tail rotor blades grips
1978-257	18.10.1978	Dual hydraulic system
1976-136/2	05.10.1978	Gearbox supports
1977-306	12.12.1977	Broken input shaft
1976-317/2	18.01.1977	Tail boom assembly
1976-255/2	04.10.1976	Dual hydraulic booster
1976-206	15.06.1976	Main rotor gearbox equipped with oil pump
1975-238	27.10.1975	Flange of right outboard engine mount
1975-191/2	01.10.1975	Electrical system for load hook operation
1975-172/2	17.09.1975	Tandem hydraulic unit - cracks in piston rods of certain production lots
1975-170/2	17.09.1975	Quadruple nuts and bolts of the main rotor head
1975-171	05.08.1975	Electrical system
1975-106/2	16.06.1975	Hose assemblies
1975-103	21.05.1975	Main rotor head
1974-162	03.07.1974	Fibreglass plastic loop
1974-157	19.06.1974	Failure of Bendix shafts
1974-022	07.03.1974	Traces of corrosion and wear have been detected on some of the bolts
1973-025	02.03.1973	Tail rotor output bendix drive shaft
1972-023	16.03.1972	Allison C 250 Engine - Life limit

Airworthiness Directives issued by FAA for Allison (Rolls Royce) 250-C20B Engine to April 04, 2004.

\* Recurring, % Superseded.

Engine, Rolls Royce, 250-C20B - 14 ADs.

72-03-06 - Second stage turbine wheels

74-14-03 - Fuel control rigging

77-09-08 R1 - Bleed valve diaphragm

**77-15-12 R1 - Turbine coupling nuts \***

**78-14-08 - Fuel pump drive splines \***

79-21-01 R1 - Third stage turbine wheels

82-13-03 - Fuel control filter assembly

82-24-05 - To prevent possible engine power loss, autoacceleration, overspeeding, or power turbine governor instability/malfunctioning

83-03-02 R1 - Third stage turbine wheels

88-17-01 - Fuel control

**96-19-01 - Visual inspection of engine filters \***

98-24-28 - Main fuel control (MFC) bellows assembly leakage

*PL2001-20-51 - High-cycle fatigue (HCF) failure of the helical torque meter gearshaft assembly (Superseded by 2001-24-12) % \**

2001-24-12 - CORRECTION - Prevent uncontained release of power turbine blades and disk fragments