

## AIRWORTHINESS DIRECTIVE

For the reasons set out in the background section, the CASA delegate whose signature appears below issues the following Airworthiness Directive (AD) under subregulation 39.001(1) of CASR 1998. The AD requires that the action set out in the requirement section (being action that the delegate considers necessary to correct the unsafe condition) be taken in relation to the aircraft or aeronautical product mentioned in the applicability section: (a) in the circumstances mentioned in the requirement section; and (b) in accordance with the instructions set out in the requirement section; and (c) at the time mentioned in the compliance section.

### Eurocopter BO 105 Series Helicopters

**AD/BO 105/25****State of Design Airworthiness Directives****11/2007**

Applicability: Eurocopter BO 105 helicopters.

- Requirement:
1. Determine the applicability of the German Luftfahrt-Bundesamt (LBA) in Table 1 and Transport Canada Aviation (TCA) Airworthiness Directives (AD) listed in Table 2 of this AD.
  2. If it is determined that a LBA or TCA AD is applicable and has not been previously accomplished, perform the actions required by that AD.

**Table 1**

<b>LBA AD</b>	<b>Effective Date</b>	<b>Title</b>
75-103	21 May 1975	Quadruple Nuts - Main Rotor Head
75-106/2	16 June 1975	Hose Assemblies
75-170/2	17 September 1975	Quadruple Nuts and Bolts - Main Rotor Head
75-171	5 August 1975	Power Supply System Connector Plugs
75-191/2	1 October 1975	Load hook Release Wiring
75-238	27 October 1975	Right Outboard Engine Mount Flange
76-136/2	5 October 1978	Gearbox Supports - Service Life
76-255/2	4 October 1976	Dual Hydraulic Booster
76-256/3	19 February 1980	Rotor Brake
77-306	12 December 1977	Input Shaft and Ram Air Ventilation
78-257	18 October 1978	Dual Hydraulic System Selector Valves
78-295/2	21 January 1980	Tail Rotor Blades and Tail Rotor Heads
79-135	20 March 1979	Main Rotor Transmission Bearings
79-136	14 March 1979	Exhaust Pipe Clamps

## Eurocopter BO 105 Series Helicopters

AD/BO 105/25 (continued)

79-137	16 March 1979	Drive Shaft Fairing - Asbestos Cloth
79-234	17 May 1979	Tail Rotor Control Linkage
79-235/2	18 October 1979	Dual Hydraulic Booster System
79-444	17 October 1979	Engine Cowling Fire Protection Paint
80-95/2	11 June 1980	Bendix Drive Shaft
80-208	27 August 1980	Main Gearbox Freewheel Shaft
83-124/2	30 October 1984	Tandem Hydraulic Units
84-128	6 August 1984	Tail Rotor Blades
84-177/2	14 January 1984	Cargo Hook
84-178	5 November 1984	Vertical Fin
85-50	18 February 1985	Control Rods

**Table 2**

<b>TCA AD</b>	<b>Effective Date</b>	<b>Title</b>
CF-91-41	1 February 1992	Torque Indication Hose
CF-93-06	30 April 1993	Continuous Ignition System

*Note: LBA ADs can be accessed at the following URLs:*

<http://www2.lba.de/dokumente/ad/html/ads-eurocopter/3025-bo105.htm>

<http://www2.lba.de/dokumente/ad/html/ads-eurocopter/3058-bo-105-lsa3.htm>

*TC ADs can be accessed at the following URL:*

<http://www.tc.gc.ca/aviation/applications/cawis-swimn/awd-lv-cs1401.asp?rand>

Compliance: For Requirement 1 - Within 30 days after the effective date of this AD or prior to the issue of a certificate of airworthiness, whichever occurs later.

For Requirement 2 - Within 12 months from the effective date of this Directive.

This Airworthiness Directive becomes effective on 25 October 2007.

## **Eurocopter BO 105 Series Helicopters**

AD/BO 105/25 (continued)

Background: The LBA and TCA ADs listed in Table 1 and 2 of this Directive require one time actions for which the compliance date and/or period has passed. CASA has determined that these ADs may be applicable to recently registered Australian aircraft. This Directive is issued to ensure all State of Design ADs are complied with.

A handwritten signature in black ink, appearing to read 'Charles Lenarcic', with a long horizontal stroke extending to the right.

Charles Lenarcic  
Delegate of the Civil Aviation Safety Authority

29 August 2007