

# AIRWORTHINESS DIRECTIVE

released by DIRECTION GENERALE DE L'AVIATION CIVILE

*Inspection and/or modifications described below are mandatory. No person may operate a product to which this Airworthiness Directive applies except in accordance with the requirements of this Airworthiness Directive.*

Translation of 'Consigne de Navigabilité' ref. : 2001-587-041(A) R2  
In case of any difficulty, reference should be made to the French original issue.

## EUROCOPTER

### SA 341/342 helicopters

Main rotor head - Torsion tie bars (ATA 01, 65)

#### 1. EFFECTIVITY:

SA 341 G and SA 342 J helicopters equipped with torsion tie bars P/Nos.:

- 341A31-4904-00/-01/-02/-03 and
- 341A31-4933-00 or -01 and
- 704A33-633-270

#### 2. REASONS:

This Airworthiness Directive (AD) is issued following an accident involving a SA 341 helicopter. The accident was caused by the failure of a torsion tie bar of the main rotor head.

This Airworthiness Directive incorporates or modifies the instructions defined in AD 2001-374-040(A) which was issued following a first accident and which is now cancelled.

Revision 1 of this AD incorporated further actions in addition to those specified previously, and rendered new flight restrictions mandatory.

Revision 2 of this AD covers Alert Service Bulletin (ASB) No. 01.29 that replaces Alert Telex (AT) No. 01.29 R1 and incorporates the requirements imposed by Alert Telex (AT) No. 01.28 which both are now cancelled, and includes the following changes:

- incorporation of a new part number of torsion tie bars concerned,
- shorter service life limits for torsion tie bars,
- cancellation of the daily check of torsion tie bar elongation "tell tale" indicators, required by Mandatory Service Bulletin No. 65.10 and imposed by AD 75-52-13, (consequently, this SB and this AD are cancelled).

### 3. MANDATORY ACTIONS AND COMPLIANCE TIME:

#### 3.1. All torsion tie bars:

The daily check of the torsion tie bar elongation tell tale (breakable screw), required by Mandatory Service Bulletin No. 65.10 and imposed by AD 75-52-13, is cancelled.

#### 3.2. Torsion tie bars P/N 341A31-4904-00/-01/-02/-03:

In accordance with AD 2001-374-040(A), which is cancelled and replaced by this AD, flights with these torsion tie bars are prohibited since September 30, 2001.

#### 3.3. Torsion tie bars P/N 341A31-4933-00 or -01:

**3.3.1.** The following measures are rendered mandatory from the effective date of Revision 2 of this AD:

Torsion tie bars that were first installed on a MRH 7 years ago or more are to be removed and scrapped before the next flight, in compliance with the instructions described in paragraph 2.B.2 of referenced EUROCOPTER SA 341/342 ASB No. 01.29.

**3.3.2.** The following measures are rendered mandatory from the effective date of Revision 1 of this AD (take account of the REMARK below concerning the serial numbers of the torsion tie bars):

**3.3.2.1.** Torsion tie bars manufactured **prior** to 1995 that were first installed on a MRH less than 7 years ago, in addition to the requirement stipulated in paragraph 3.3.1. above, furthermore, they are to be removed and scrapped no later than within 300 flight hours or within 1 year (whichever limit is reached first), in compliance with the instructions described in paragraph 2.B.2 of the referenced ASB.

**3.3.2.2.** Torsion tie bars manufactured **since** 1995 that were first installed on a MRH less than 7 years ago, in addition to the requirement stipulated in paragraph 3.3.1. above, furthermore, they are to be removed and scrapped no later than within 600 flight hours or within 2 years (whichever limit is reached first), in compliance with the instructions described in paragraph 2.B.2 of the referenced ASB.

#### REMARK:

- Torsion tie bars P/N 341A31-4933-00 were all manufactured before 1995 and have a Serial Number which starts with the letter "N".
- Torsion tie bars P/N 341A31-4933-01 having a Serial Number which starts with the letter "N", were manufactured before 1995. Their Serial Number is necessarily between N1 and N8073 (example: S/N N2109).
- Torsion tie bars P/N 341A31-4933-01 having a Serial Number which does NOT start with the letter "N", were manufactured from 1995 onwards. Their Serial Number is necessarily between 001 and 0999.
- Furthermore, a label indicating the manufacturer part number is bonded on the torsion tie bar and enables operators to identify the manufacturing date of the torsion tie bar:
  - 1029 J 000 for torsion tie bars manufactured before 1995
  - 6440 J 000 for torsion tie bars manufactured since 1995.

.../...

**3.4. Torsion tie bars P/N 704A33-633-270:**

At the latest at 600 flight hours or 2 years (whichever limit is reached first), remove and scrap these torsion tie bars in compliance with the instructions described in paragraph 2.B.2 of the referenced ASB.

- 3.5.** Before installing torsion tie bars, held as spares and listed in paragraph 1 herein above, on an aircraft, comply with the instructions described in paragraphs 3.2., 3.3. or 3.4. here in above according to the P/Nos of the concerned torsion tie bars.

---

REF.: EUROCOPTER SA 341/342 Alert Service Bulletin No. 01.29.

---

This Revision 2 replaces AD 2001-587-041(A) R1 issued on December 26, 2001.

---

**EFFECTIVE DATES :**

**Original AD :** On receipt of AD T2001-587-041(A)  
dated NOVEMBER 23, 2001

**Revision 1 :** On receipt, from DECEMBER 26, 2001

**Revision 2 :** On receipt, from JANUARY 08, 2003