



SERVICE BULLETIN MSB306-38/2

I. TECHNICAL DETAILS

1.1 Category:

Mandatory

1.2 Airplanes affected:

Type Certificate - No. 306: ASTIR CS, Serial – No. 1001 - 1536

1.3 Time of Compliance:

Not later than September 30th 2006

1.4 Subject:

ATA-Code: Inspection of the elevator attachment

1.5 Reason:

Service Bulletin MSB 306-38 required inspection and - if necessary – exchange of the spherical bolt of the elevator attachment.

During inspection of an ASTIR CS a broken spherical attachment bolt of the elevator attachment was found. Apart from the generally poor condition of the elevator attachment, again a long term fatigue fracture was noted, although previous compliance with MSB 306-38 was certified.

As a precautionary measure, to preclude the possibility that any hidden damage may remain undetected, MSB 306-38/1 imposes the exchange of the spherical attachment bolt and the collar bolts on the T-plate with a new bolts in accordance with MSB306-38 not later than September 30th 2006. Additionally, all spherical bolts and collar bolts must be replaced every 10 years or 1000 landings, whichever comes first.

MSB 306-38/2 contains the extension of the compliance time (see also para. "1.3 Time of Compliance") due to the delayed availability of required spare parts.

1.6 Concurrent documents:

MSB306-38

ASTIR CS



1.7 Approval Note:

The technical information contained in this document has been approved under the authority of EASA Design Organisation Approval No. EASA.21J.030.

1.8 Accomplishment/ Instructions:

- 1.8.1 Any spherical bolt – unless exchanged in compliance with MSB 306-38 – must be replaced with a new bolt not later than September 30th 2006. The exchange is to be documented in the aircraft history record.
- 1.8.2 All collar bolts on the T-plate must be replaced with new bolts not later than September 30th 2006. (torque with 13Nm). The exchange is to be documented in the aircraft history record.
- 1.8.3 Incorporate Revision 9, dated 28. Nov. 05 into the Flight / Maintenance Manual ASTIR CS.

Note: In addition to measuring the ball diameter “D” and installation depth “A”, also determine gap width “S” and advise when ordering a new bolt.

1.9 Repetitive Actions:

- 1.9.1 The inspection of the horizontal stabilizer attachment must be repeated during each annual inspection. The spherical bolt 103-3500.21 must be removed from the elevator for the inspection. (also refer to Flight / Maintenance Manual, Revision 9).
- 1.9.2 Every 10 years / 1000 landings, whichever comes first, the spherical bolt 102-3500.21 and collar bolts 102-2142.46 need to be replaced with new bolts. The change is to be documented in the aircraft history record.

1.10 Mass (Weight) and CG:

Not affected



II. PLANNING INFORMATION

2.1 Material & Availability:

Qty.	Name	Part No.	Remarks
1	Spherical bolt	102-3500.21	Advise "D" \pm 0.1 mm
1	Nut	102-3510.21	
1	Toothed washer	DIN 6797-10,5phr	
2	Retaining pin	102-2142.46	
2	Nut, hexagon	LN9348 - M8	

Order from:

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2.2 Special Tools:

- magnifying glass x 20
- torque wrench

Note: When ordering a new spherical bolt P/N 102-3500.21 the ball diameter must be advised to within \pm 0.1 mm! Also determine gap width "S" and advise. Replaced bolts must be returned to GROB-WERKE, referencing aircraft serial number.

2.3 Labour:

Approx. 1 hour

2.4 Reference documents:

MSB 306-38

2.5 Credit:

N/A



III. REMARKS

- 3.1** The correct execution of the instructions may be performed by a competent person or approved aviation workshop and has to be certified in the logbook by an authorised inspector.
- 3.2** If you have sold your aircraft in the meantime, would you kindly pass this information on to the new owner and forward his address and aircraft S/N to us.
- 3.3** For questions and assistance please contact:

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