SAFETY ALERT

Engine Mount Bolts

SA-ASTM-CT—01;
SA-ASTM-CT2k-01;
SA-ASTM-CTSW-01

1 Planning Information

1.1 Affected Aircraft
Type: CT
Model: CT, CT2k, CTSW
Serial Number: All serial numbers
Applicable Countries: All Countries where ASTM standards are in effect

1.2 Concurrent Documents
None

1.3 Reason
Re- issue of existing document in order to implement it to the new Service document numbering system

1.4 Subject
All information see paragraph 3

1.5 Compliance
All information see paragraph 3

1.6 Personnel Qualifications
All information see paragraph 3

1.7 Approval
All information see paragraph 3

1.8 Weight and Center of Gravity
All information see paragraph 3
1.9 References
All information see paragraph 3

1.10 Superseded Documents
Technical Advice No. 8
Safety Directive No. 8

1.11 Contact Details
For further information or to report any Safety of Flight or Service Difficulty issues contact your Distributor responsible for your country.

Specific contact in USA:
Flight Design USA
P.O. Box 325 South Woodstock, CT 06267
Tel: 860 963 7272 / Fax: 860 963 7152
Web: www.flightdesignUSA.com
E-Mail: airworthiness@flightdesignUSA.com

For all other countries and in cases where the local distributor is not known or available contact Flight Design GmbH directly.

2 Resources
2.1 Materials
All information see paragraph 3

2.2 Manpower
All information see paragraph 3

2.3 Cost
All information see paragraph 3

3 Instructions
The following is the 1:1 copy of the existing document following the old numbering system.
FLIGHT DESIGN USA SAFETY DIRECTIVE No. 8

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• Date Issued: January 1, 2006
• Date Effective: January 1, 2006
• Scope: CT, CT2K, and CTSW in all versions up to and including serial No. 05-05-01

Discussion

Three aircraft were found to have partially loosened engine mount bolts that connect the Small Engine Frame to the engine.

Corrective Action

Change the torque moment of the bolts (part No. C9996511 & C9996098F), which connect the Small Engine Frame to the engine. The original torque moment was 30 Nm. (22ft.lbs). The new Rotax recommended values are a minimum of 35 Nm. (25.8ft.lbs), not to exceed 40 Nm. (29.5ft.lbs).

The Maintenance and Inspection Procedures Manual will be revised to:
1. Reflect the new torque values
2. Clarify the need to check the engine mount bolts during the specified inspection intervals.
Reminder

Flight Design reminds the Owner/Operator of a Flight Design aircraft that compliance with all Safety Directives, Aircraft Operating Instructions, Maintenance Manuals as well as the reporting of any and all Safety of Flight or Service Difficulties by the Owner/Operator is mandatory for the operation of an S-LSA aircraft.
4 Appendix

4.1 Changes to Previous Revision
No content changes – re-issue of existing document to new numbering system

4.2 Feedback Template Flight Design
All information see paragraph 3