

1. Applicability: DA 40 Series, EASA TCDS A.022
Diamond Aircraft Industries GmbH (DAI), Austria, DOA No. EASA 21J.052
- DA40 S/N 40.006 and subsequent
DA40D S/N 40.080, 40.084, D4.001 and subsequent
DA40F S/N 40.F001 and subsequent
S/N 40.FC001 and subsequent
2. Subject: Inspection of the nose landing gear leg
3. Reason: A nose landing gear leg failed in area of the nose gear leg pivot axle. This airplane was mostly operated on grass runways and training operations. This failure was based on a fatigue crack developed in the pivot axle. Material inspections figured out that this cracks may also develop on other serial No. pending the type of operation.
4. Actions: Carry out a detailed crack inspection in accordance to Diamond MSB40-046, MSBD4-046
5. Compliance: A) Airplane operated on grass surface within the next 25 hours of operation, not later than 31. December 2005, and every 100 hours inspection thereafter.
B) Airplane operated mainly on paved surface within the next 100 hours of operation and every 200 hours inspection thereafter.
6. Accomplishment: The required actions have to be accomplished and documented either by the manufacturer, or a licensed/qualified person/organisation in accordance with national regulations.
7. Effective Date: 23 November 2005.

This AD was approved by EASA under reference No.2005-6407