


EASA	PROPOSED AIRWORTHINESS DIRECTIVE	
	<p>PAD No : 06-024</p> <p>Date: 01 February 2006</p>	
No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry.		
Type Approval Holder's Name :		Type/Model designation(s) :
Diamond Aircraft Industries		DA40
TCDS Number : EASA .A.022		
Foreign AD : not applicable		
Supersedure : Austrian AD A-2004-003		
ATA 28-23	Fuel - Inspection/replacement of the fuel selector/fuel valve universal joints	
Manufacturer(s):	Diamond Aircraft Industries GmbH, Austria Diamond Aircraft Industries Inc., Canada	
Applicability:	DA 40, Serial Numbers 40.006 and up including 40.079, 40.081 and up including 40.083, 40.201 and up to including 40.417, with fuel shaft Part No. D41-2823-20-00 Rev “-“ installed.	
Reason:	Abnormal manufacturing variations of the universal joints in combination with mechanical wear can lead to a joint failure and subsequent disconnection between selector and the fuel valve. This result in a loss of capability to select the fuel tank for supply. This condition might remain unrecognised by the pilot and can result in fuel starvation during flight and/or unavailability of emergency fuel shutoff.	
Effective Date:	Proposed, 2 March 2006	
Compliance:	<p>Inspection :</p> <p>For airplanes with more than 200 hours of operation inspect the universal joint in accordance with MSB 40-030/3 within the next 15 hours of operation.</p>	

	<p>For airplanes with up to 200 hours of operation, or for airplanes already in compliance with AD A-2004-003, inspect the universal joint in accordance with MSB 40-030/3 at the next scheduled inspection but not exceeding 50 hours of operation.</p> <p>Repeat this inspection every 50 Hrs of operation unless the modified universal joint has been installed.</p> <p>Replacement:</p> <p>If one or more defects found on the universal joint, the complete joint assembly has to be replaced with the new joint Part No. D41-2823-20-00 rev "a" or higher, in accordance to MSB 40-030/3.</p> <p>The 50 Hrs inspection interval has been terminated for replaced joints, the required inspections are included in the Aircraft Maintenance Manual with Revision AMM-TR-MÄM-40-142/a, applicable for all replaced new universal joints.</p>
Ref. Publications:	Diamond Aircraft Industries Mandatory Service Bulletin, MSB 40-030/3
Remarks :	<p>Revision History :</p> <p>This inspection was initially addressed by Austrian AD A-2004-003. The design of the fuel selector/fuel valve universal joint has than been changed by design change MÄM 40-142/a and was introduced into serial production. The initial repetitive AD inspection interval of 50 Hrs is also applicable for this design. The investigation of the inspections carried out, has identified that the new joint design eliminated the design problem and no additional inspection is required.</p> <p>Comments regarding this Proposed Airworthiness Directive should be referred to Mr. M. Capaccio, Airworthiness Directive Focal Point - Certification Directorate, EASA. E-mail: ADs@easa.eu.int</p> <p>Closing date for comments is 15 February 2006</p>