

## SERVICE INFORMATION NO. SI 42-036

**NOTE:** SI's are used **only**:

- 1) To distribute information from DAI to our customers.
- 2) To distribute applicable information / documents from our suppliers to our customers with additional information.

Typically there is no revision service for SI's. Each new information or change of that will be sent along with a new SI.

### I. TECHNICAL DETAILS

#### 1.1 Airplanes affected:

DA 42            S/N 42.015, 42.028, 42.036, 42.044, 42.055, 42.059, 42.062, 42.067, 42.069, 42.075 up to 42.100 inclusive, 42.105, 42.106, 42.108, 42.114, 42.115, 42.117 up to 42.122 inclusive and 42.124

#### 1.2 Subject:

EASA AD No.: 2007 – 0047 for  
Fuel System – Auxiliary Fuel Tank Venting-Inspection / Modification  
ATA-Code: 72-00

#### 1.3 Reason:

EASA has issued an Airworthiness Directive requiring the inspection and modification of the auxiliary fuel tank system and the inclusion of the AMM-TR-OÄM-42-056f into the AFM in compliance with the MSB mentioned in the AD.


#### 1.4 Information:

For detailed technical information see EASA Airworthiness Directive No.: 2007 – 0047 which is applicable without any further additions or restrictions.

### II. OTHERS

The EASA Airworthiness Directive AD No.: 2007 – 0047 is attached to this SI.

In case of doubt contact Diamond Aircraft Industries.

<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>	
	<p><b>AD No : 2007-0047</b></p> <p><b>Date: 23 February 2007</b></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.		
<b>Type Approval Holder's Name :</b>		<b>Type/Model designation(s) :</b>
Diamond Aircraft Industries GmbH		DA 42
TCDS Number : EASA.A.005		
Foreign AD : not applicable		
Supersedure : not applicable		
<b>ATA 28</b>	<b>Fuel System – Auxiliary Fuel Tank Venting- Inspection / Modification</b>	
Manufacturer:	Diamond Aircraft Industries GmbH	
Applicability:	DA 42 airplanes with serial numbers 42.015, 42.028, 42.036, 42.044, 42.055, 42.059, 42.062, 42.067, 42.069, 42.075 up to 42.100 inclusive, 42.105, 42.106, 42.108, 42.114, 42.115, 42.117 up to 42.122 inclusive and 42.124	
Reason:	<p>From airplanes that have installed the Auxiliary Fuel Tank Optional Design Change (OÄM) No 42-056, three in-service failures of the auxiliary fuel tank venting system have been reported. These failures have led to the inability to supply the complete auxilliary fuel quantity to the main tanks and the collapse of the auxilliary tank. It is suspected that the vent lines were obstructed either by ice accretion under certain climatic conditions or by blockage of the vent valves because of fuel contaminants.</p> <p>Undetected malfunctions of the venting system and damaged auxiliary fuel tanks may lead to a lower usable fuel quantity, subsequent fuel starvation and/or fuel spillage into the nacelle.</p> <p>This Airworthiness Directive (AD) aims to check for proper operation the auxiliary fuel tank venting system, and check for damage the fuel tanks' structure.</p> <p>This AD also requires installation of ventilation holes in the filler caps'</p>	

	fitting and introduction of a temporary revision into the Aircraft Maintenance Manual (AMM).
Effective Date:	09 March 2007
Compliance:	<p>At the next scheduled Inspection, but no later than 15 April 2007:</p> <ol style="list-style-type: none"> <li>1. Inspect and modify the auxiliary fuel tank system as instructed in the Diamond Aircraft Industries Mandatory Service Bulletin (MSB) 42-032/1.</li> <li>2. Insert into the DA 42 Maintenance Manual the AMM-TR-OÄM-42-056f Temporary Revision and update accordingly the operator's maintenance program to comply with.</li> </ol>
Ref. Publications:	<p>Diamond Aircraft Industries Mandatory Service Bulletin MSB 42-032/1 or later approved revisions.</p> <p>DA 42 Maintenance Manual AMM-TR-OÄM-42-056f Temporary Revision</p>
Remarks :	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated the responsible EASA manager for the related product has the authority to accept Alternative Methods of Compliance (AMOCs) for this AD.</li> <li>2. This AD was posted as PAD 07-015 for consultation on 25 January 2007 until 16 February 2007. No comments were received during the consultation period.</li> <li>3. Enquiries regarding this Airworthiness Directive should be addressed to the AD Focal Point - Certification Directorate, EASA. E-mail: <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a></li> <li>4. For any question concerning the technical content of the requirements in this AD, please contact Diamond Aircraft Industries GmbH, Austria. Ph.: +43 2622 26700 ; Fax: +43 2622 26780 E-mail: <a href="mailto:office@diamond-air.at">office@diamond-air.at</a></li> </ol>