


EASA	AIRWORTHINESS DIRECTIVE	
	<p>AD No.: 2013-0025R1</p> <p>Date: 30 April 2013</p> <p>Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.</p>	
<p>This AD is issued in accordance with EU 748/2012, Part 21.A.3B. In accordance with EC 2042/2003 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p>		
<p>Design Approval Holder's Name: AUSTRO ENGINE GmbH</p>	<p>Type/Model designation(s): E4 engines</p>	
<p>TCDS Number:</p>	<p>EASA.E.200</p>	
<p>Foreign AD:</p>	<p>Not applicable</p>	
<p>Revision:</p>	<p>This AD revises EASA AD 2013-0025 dated 06 February 2013.</p>	
<p>ATA 72</p>	<p>Engine – Waste Gate Controller – Replacement</p>	
<p>Manufacturer(s):</p>	<p>Austro Engine GmbH</p>	
<p>Applicability:</p>	<p>Model E4 engines, all serial numbers. These engines are known to be installed on, but not limited to, Diamond Aircraft Industries DA 40 NG and DA 42 NG aeroplanes.</p>	
<p>Reason:</p>	<p>Several power loss events have been reported on Austro E4 engines, due to fracture of the waste gate controller lever.</p> <p>This condition, if not corrected, could lead to further cases of power loss events, possibly resulting in forced landing, damage to the aeroplane and injury to occupants.</p> <p>To address this potential unsafe condition, Austro Engine introduced a waste gate controller of improved design, Part Number (P/N) E4A-41-120-000 revision (Rev.) 070.</p> <p>Consequently, EASA issued AD 2013-0025 to require replacement of all previous revisions of P/N E4A-41-120-000 and P/N E4B-41-120-000 waste gate controllers with improved design P/N E4A-41-120-000 Rev.070 units.</p> <p>Since that AD was issued, it was established that other P/N waste gate controllers are eligible for installation.</p> <p>For the reason described above, this AD is revised to allow alternative P/N waste gate controllers be installed as replacement parts.</p>	

Effective Date:	Revision 1: 30 April 2013 Original issue: 20 February 2013						
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Within 110 flight hours, or during the next schedule engine maintenance, or within 3 months, whichever occurs first after 20 February 2013 [the effective date of the original issue of this AD], replace the waste gate controller in accordance with the instructions of Austro Engine Mandatory Service Bulletin (MSB) MSB-E4-007 Revision 3 (or later revision).</p> <p>(2) From 20 February 2013 [the effective date of the original issue of this AD], do not install on any engine a waste gate controller with a P/N as listed in Table 1 of this AD.</p> <p style="text-align: center;">Table 1 – Waste Gate Controllers not eligible for Installation</p> <table border="1" data-bbox="549 651 1350 797"> <thead> <tr> <th>Engine configuration</th> <th>P/N</th> </tr> </thead> <tbody> <tr> <td>E4-A</td> <td>E4A-41-120-000 Rev. 050 and lower</td> </tr> <tr> <td>E4-B</td> <td>E4B-41-120-000 Rev. 000</td> </tr> </tbody> </table>	Engine configuration	P/N	E4-A	E4A-41-120-000 Rev. 050 and lower	E4-B	E4B-41-120-000 Rev. 000
Engine configuration	P/N						
E4-A	E4A-41-120-000 Rev. 050 and lower						
E4-B	E4B-41-120-000 Rev. 000						
Ref. Publications:	<p>Austro Engine MSB-E4-007 Revision 3 dated 28 November 2012, or Revision 4 dated 24 April 2013.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>						
Remarks:	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. The original issue of this AD was posted on 08 January 2013 as PAD 13-004 for consultation until 05 February 2013. No comments were received during the consultation period. 3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any question concerning the technical content of the requirements in this AD, please contact: Austro Engine GmbH, Rudolf-Diesel-Straße 11, A-2700 Wiener Neustadt, Austria Telephone: +43 2622 23000 2525 Fax: +43 2622 23000-2711 E-mail: service@austroengine.at. <p>The referenced publication can be downloaded directly from the Austro Engine GmbH Service Bulletin webpage.</p>						