


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2015-0015</p> <p>Date: 30 January 2015</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 EU 1321/2014 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 [EU 1321/2014 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: GE AVIATION CZECH</p>	<p>Type/Model designation(s): M601 engines</p>
<p>TCDS Number: EASA.E.070</p>	
<p>Foreign AD: Not applicable</p>	
<p>Supersedure: None</p>	
ATA 72	Engine – Gas Generator Turbine Blades – Replacement
<p>Manufacturer(s):</p>	<p>GE Aviation Czech s.r.o (formerly Walter Engines a.s.)</p>
<p>Applicability:</p>	<p>M601D-1, M601E, M601E-11, M601E-11A, M601E-21, M601F, M601FS, M601F-22, M601F-32, M601T and M601Z engines with a serial number (s/n) as listed in Appendix 1 of this AD.</p> <p>These engines are known to be installed on, but not limited to,</p> <ul style="list-style-type: none"> • Thrush S2R aeroplanes • PZL “Kruk” aeroplanes • Dornier DO 28 aeroplanes
<p>Reason:</p>	<p>It has been demonstrated that non-shot peened Gas Generator Turbine (GGT) blades are susceptible to blade separation in the shank area due to their reduced fatigue life.</p> <p>This condition, if not corrected, could lead to an in-flight engine shutdown and, consequently, reduced control of the aeroplane.</p> <p>To address this unsafe condition, GE Aviation Czech issued SB M601D-1_31 (for engines overhauled prior to 2012) and SB M601D-1_32 (for engines overhauled prior to 2009) to provide instructions for GGT blade replacement.</p> <p>For the reason described above, this AD requires replacement of the non-shot peened GGT blades.</p>
<p>Effective Date:</p>	<p>13 February 2015</p>

<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously:</p> <p>Within 300 flight hours or 6 months, whichever occurs first after the effective date of this AD, replace the non-shot peened GGT blades with shot peened GGT blades in accordance with the instructions of GE Aviation Czech SB M601D-1_31 or SB M601D-1_32, as applicable to engine s/n.</p>
<p>Ref. Publications:</p>	<p>GE Aviation Czech SB M601D-1_31 dated 23 December 2014. GE Aviation Czech SB M601D-1_32 dated 23 December 2014.</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p>
<p>Remarks:</p>	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 23 December 2014 as PAD 14-181 for consultation until 09 January 2015. No comments were received during the consultation period. 3. Enquiries regarding this AD should be referred to the Safety Information Section, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any question concerning the technical content of the requirements in this AD, please contact: GE Aviation Czech Beranových 65, 199 02 Praha 9 – Letňany Czech Republic Tel.: +420 222 538 111; Fax: +420 222 538 222.

Appendix 1 – Affected engine s/n

GE Aviation Czech SB M601D-1_31:

M601D-1

873015	852079
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M601E-11

862001	863008	894018
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M601T

941004	942004	954002
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M601Z

904002	911003	931002	894005
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GE Aviation Czech SB M601D-1_32:

M601D-1

851005	932003
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M601E-11

034005	034006	034007	034008	041003	042002
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M601E-11A

042003	042004	044001	044002	961001
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M601E-21

914006

M601E

034004	041001	921011
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M601F

024001	002001	003001	024001	934001	934002	961001
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M601F-22

941014

M601F-32

983007

M601T

004001	004002	004003	004004	022001	873003	914001
914002	922001	922002	923001	923002	932001	932002
932003	941001	941002	941003	941005	941006	941007
941008	941009	941010	942001	942002	942003	942004
942005	951002	954001	954003	954004	984001	984002
991001	994001	994002	994003			

M601Z

832016	844001	851002	851003	851004	852006	861001
861002	861003	861004	861005	862001	862002	862003
862004	862005	862006	862007	863001	863002	863004
864001	864002	864003	864004	871002	871004	871005
881001	881002	881003	881005	882001	882003	882005
891001	891002	891004	892002	892003	894001	894002
894003	894004	894005	901002	902001	903002	904001
904003	911001	911002	912001	912002	913001	913002
931001	932002	934002				