



## Emergency Airworthiness Directive

**AD No.:** 2016-0025-E

**[Correction: 27 January 2016]**

**Issued:** 26 January 2016

Note: This Emergency Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (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 [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EC) 216/2008, Article 14(4) exemption].

**Design Approval Holder's Name:**

GE AVIATION CZECH

**Type/Model designation(s):**

M601 Engines

**Effective Date:** 28 January 2016

**TCDS Number(s):** EASA.E.070

**Foreign AD:** Not applicable

**Supersedure:** None

### ATA 72 – Engine – Power Turbine Disc – Inspection / Replacement

**Manufacturer(s):**

GE Aviation Czech S.R.O. (formerly Walter Engines a.s.)

**Applicability:**

M601D, M601D-1, M601D-2, M601E, M601E-11, M601E-21, and M601Z engines, having a serial number (s/n) as listed in Table 1 of this AD.

These engines are known to be installed on, but not limited to, Thrush Aircraft Inc. (formerly Quality, Ayres, Rockwell) S-2R, PZL "Warszawa-Okęcie" PZL-106 (Kruk), RUAG (formerly Dornier) Do 28 and Aircraft Industries (formerly LET) L-410 aeroplanes.

**Reason:**

During engine shop visits or overhauls, certain power turbine (PT) discs may have been damaged in the area of the balance weights. Additional PT discs with non conforming geometry of the slot radius may have also been released to service as a result of incorrect machining of the PT disc slot.

This condition, if not corrected, could lead to a PT disc failure, with subsequent release of high-energy debris, possibly resulting in damage to, and/or reduced control of, the aeroplane.



To address this unsafe condition, GE Aviation Czech issued Alert Service Bulletin (SB) SB-2016-72-50-00-1 (hereafter referred to as “the SB”) to provide inspection instructions for the affected engines.

For the reasons described above, this AD requires inspection of the PT disc and, depending on findings, replacement with a serviceable part.

This AD was republished to correct typographical errors in the Applicability and in Table 1 (column “Engine Model”).

**Required Action(s) and Compliance Time(s):**

Required as indicated, unless accomplished previously:

- (1) Within the compliance time as specified in Table 1 of this AD, as applicable to engine model and serial number, inspect the PT disc in accordance with the instructions of the SB.

Table 1 – Affected engines and Compliance Time

Engine Model	s/n	Compliance time (after the effective date of this AD)
M601D-1	833027	30 days
M601E-11	833244	3 months
M601D	842066	3 months
M601D-1	852052	30 days
M601E	862003	3 months
M601D-2	864005	14 days
M601E	864204	3 months
M601E	871001	3 months
M601E	871016	3 months
M601E	872013	30 days
M601E	873039	3 months
M601E	873041	3 months
M601D	874004	2 months
M601D	874006	2 months
M601E	874025	3 months
M601E	881012	3 months
M601E-11	881020	3 months
M601E	881021	3 months
M601E	882035	3 months
M601E	882046	3 months
M601E	882049	3 months
M601E	883017	3 months
M601E	883025	3 months
M601E	883037	3 months



Engine Model	s/n	Compliance time (after the effective date of this AD)
M601E	883061	3 months
M601E	883065	3 months
M601E	884029	3 months
M601E	891022	3 months
M601E	891033	3 months
M601E	891042	3 months
M601E	894010	3 months
M601D-1	894019	30 days
M601E	894031	14 days
M601E	901043	3 months
M601E	903001	2 months
M601E-21	904022	3 months
M601E	904032	3 months
M601E	911001	3 months
M601E	911031	3 months
M601D	912006	3 months
M601D	912018	2 months
M601E	913006	30 days
M601E	913009	3 months
M601E	914004	3 months
M601E	914017	3 months
M601E	922003	3 months
M601E-11	922009	14 days
M601Z	931002	3 months
M601D-2	932002	14 days
M601E	941014	3 months

- (2) If, during the inspection as required by paragraph (1) of this AD, any damage is found, or a non-conforming slot radius, exceeding the acceptability criteria as defined in the applicable SB, before next flight, replace that PT disc with a serviceable part in accordance with the instructions of the SB.
- (3) From the effective date of this AD, do not install on any aeroplane an engine, having a s/n as listed in Table 1 of this AD, unless it has passed an inspection in accordance with the instructions of the SB.

#### Ref. Publications:

GE Aviation Czech SB-2016-72-50-00-1, original issue, dated 21 january 2016.

The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.



**Remarks:**

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. The results of the safety assessment have indicated the need for immediate publication and notification, without the full consultation process.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto: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  
Telephone: +420 222 538 111; Fax: +420 222 538 222.

Superseded

