

# Airworthiness Directive Schedule

## Engines

### GE Aviation Czech (previously Walter Engines) M601 Series

23 February 2023

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- Notes:**
1. This AD schedule is applicable to GE Aviation Czech (previously Walter Engines) M601 series engines manufactured under EASA Type Certificate E.070.
  2. These engines are known to be installed on, but not limited to:  
Pacific Aerospace Fletcher FU24-950 series aircraft embodied with STC 98/21E/15, Moravan Z-37T aircraft, Allied Ag Cat Productions Inc. (formerly Grumman) G-164 series aircraft, Aircraft Industries (formerly LET) L-410 series aircraft, Air Tractor AT-300, AT-400 and AT-500 series aircraft, PZL "Warszawa-Okęcie" PZL-106 (Kruk) aircraft, RUAG Aerospace Services (formerly Dornier) Do 28 series aircraft and Thrush Aircraft Inc. (formerly Quality, Ayres, Rockwell) S-2R series aircraft.
  3. The European Union Aviation Safety Agency (EASA) is the National Airworthiness Authority (NAA) responsible for the issue of State of Design Airworthiness Directives (ADs) for these engines. State of Design ADs can be obtained directly from the EASA website at: <http://ad.easa.europa.eu/>
  4. The date above indicates the amendment date of this schedule.
  5. New or amended ADs are shown with an asterisk \*
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<b>The State of Design ADs listed below are available directly from the National Airworthiness Authority (NAA) websites. Links to NAA websites are available on the CAA website at <a href="https://www.aviation.govt.nz/aircraft/airworthiness/airworthiness-directives/links-to-state-of-design-airworthiness-directives/">https://www.aviation.govt.nz/aircraft/airworthiness/airworthiness-directives/links-to-state-of-design-airworthiness-directives/</a> If additional NZ ADs need to be issued when an unsafe condition is found to exist in an aircraft or aeronautical product in NZ, they will be added to the list below.</b>		
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**DCA/WALT/1 Fuel Control Unit - Replacement**

**Applicability:** Model M 601 series listed in Appendix 1 of Walter Mandatory Bulletin A M601D/29a, A M601D-1/3a, A M601D-11NZ/3a, A M601E/23a, A M601E-11/4a, A M601E21/2a, A M601F/3a, A M601T/7a, A M601Z/15a.

**Requirement:** To prevent fuel control unit servomotor relief valve leakage due to the malfunction of the relief valve seal and possible sudden reduction in takeoff power, accomplish the following:-  
Replace the fuel control unit per the Walter Mandatory Bulletin detailed above.  
(Czech CAA-AD-T-095/2000 refers)

**Compliance:** Before further flight.  
For engines held as spares, before installation on an aircraft.

**Effective Date:** 19 October 2000

**DCA/WALT/2 Combustion Chamber Inner Liner - Replacement**

**Applicability:** Model M601 Series as listed in Appendix 1 of Walter Mandatory Bulletin No.: A M601D/33a, A M601D-1/7a A M601D-11NZ/7a, A M601E/29a or A M601E-21/7a

**Requirement:** To prevent engine power loss and/or increased inter-turbine temperatures, replace the combustion liners as listed by S/N (and engine S/N) in Appendix 1 of the appropriate SB listed above.  
(Czech CAA-AD-T-031/2003 refers)

**Compliance:** Before 31 December 2003

**Effective Date:** 24 April 2003

The State of Design ADs listed below are available directly from the National Airworthiness Authority (NAA) websites. Links to NAA websites are available on the CAA website at <https://www.aviation.govt.nz/aircraft/airworthiness/airworthiness-directives/links-to-state-of-design-airworthiness-directives/>

If additional NZ ADs need to be issued when an unsafe condition is found to exist in an aircraft or aeronautical product in NZ, they will be added to the list below.

**2015-0014 Reduction Gearbox Quill Shaft and Supporting Cone – Inspection**

**Effective Date:** 13 February 2015

**2015-0015 Gas Generator Turbine Blades – Replacement**

**Effective Date:** 13 February 2015

**2016-0025-E (Correction) Cancelled – EASA AD 2019-0061 refers**

**Effective Date:** 1 April 2019

**2017-0100 Cancelled - EASA AD 2019-0061 refers**

**Effective Date:** 1 April 2019

**2017-0151R1 Exhaust System – Modification**

**Applicability:** M601D, M601D-1, M601D-2, M601D-11, M601D-11NZ, M601E, M601E-11, M601E-11A, M601E-11AS, M601E-11S, M601E-21, M601F, M601FS, M601F-11, M601F-22, M601F-32, M601T, M601Z, H75-100, H75-200, H80, H80-100, H80-200 and H85-100 and H85-200 engines, all S/N.

**Note:** This AD revised to include the reference to the Engine Maintenance Manual (EMM) at revision 03.

**Effective Date:** 2017-0151 - 1 September 2017  
2017-0151R1 - 20 December 2018

**2019-0061 Cancelled – EASA AD 2019-0143 refers**

**Effective Date:** 27 June 2019

**2019-0143 Power Turbine Disc – Inspection**

**Applicability:** M601D, M601D-1, M601D-2, M601D-11, M601D-11NZ, M601E, M601E-11, M601E-11A, M601E-11AS, M601E-11S, M601E-21, M601F, M601FS, M601F-11, M601F-22, M601F-32, M601T and M601Z engines, all S/N.

**Note:** EASA AD 2019-0143 retains the requirements of superseded EASA AD 2019-0061 and introduces amended compliance times for Group 2 engines.

**Effective Date:** 27 June 2019

**2021-0052 Cancelled – EASA AD 2021-0154 refers**

**Effective Date:** 29 July 2021

**2021-0060 Cancelled – EASA AD 2023-0020 refers**

**Effective Date:** 6 February 2023

**\* 2021-0125R1 Critical Parts - Replacement**

**Applicability:** M601E engines fitted with a centrifugal compressor case P/N M601-154.61.  
These engines are known to be installed on, but not limited to, Aircraft Industries (formerly LET) L-410 series.

**Effective Date:** 2021-0125-E - 11 May 2021  
2021-0125R1 - 23 February 2023

**2021-0154 Propeller Shaft - Replacement**

**Applicability:** M601D, M601D-1, M601D-2, M601D-11, M601D-11NZ, M601E, M601E-11, M601E-11A, M601E-11AS, M601E-11S, M601E-21, M601F, M601F-11, M601F-22, M601F-32, M601FS, M601T and M601Z engines, all S/N.

**Effective Date:** 29 July 2021

**2021-0264 Critical Parts - Replacement**

**Applicability:** M601E, M601E-11, M601E-11A, M601E-11AS, M601E-11S, M601E-21, M601F and M601FS engines, all S/N.

**Effective Date:** 6 December 2021

**2022-0034 Outer Liner Dilution Tube - Inspection**

**Applicability:** M601D, M601D-1, M601D-2, M601D-11, M601D-11NZ, M601E, M601E-11, M601E-11A, M601E-11AS, M601E-11S, M601E-21, M601F, M601FS, M601Z, H75-100, H75-200, H80, H80-100, H80-200, H85-100 and H85-200 engines, all S/N.

**Effective Date:** 18 March 2022

**2022-0234 Propeller Governor - Inspection**

**Applicability:** M601E-11AS, M601E-11S and M601FS engines, all S/N installed on a single-engine aeroplane.

**Effective Date:** 22 December 2022

**2023-0020 Airworthiness Limitations**

**Applicability:** M601D, M601D-1, M601D-2, M601D-11, M601D-11NZ, M601E, M601E-11, M601E-11A, M601E-11AS, M601E-11S, M601E-21, M601F, M601FS and M601Z engines, all S/N.

**Effective Date:** 6 February 2023