

Airworthiness Directive Schedule

Engines

GE Aviation Czech (previously Walter Engines) M601 Series

29 February 2024

- 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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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.		
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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

2021-0264R1 Critical Parts - Replacement

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

Effective Date: EASA AD 2021-0264 - 6 December 2021
EASA AD 2021-0264R1 – 4 April 2023

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

*** 2024-0040-E Centrifugal Compressor Case - Inspection**

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: 12 February 2024