

Airworthiness Directive Schedule

Engines

GE Aviation Czech (formerly Walter Engines) M601 Series

29 July 2021

- 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 serial numbers.

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), Air Tractor AT-300, AT-400 and AT-500 series, Allied Ag Cat Productions Inc. (formerly Schweizer, Grumman American) G-164 series, RUAG (formerly Dornier) Do 28 and Aircraft Industries (formerly LET) L-410 aeroplanes.

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 serial numbers (s/n).

These engines are known to be installed on, but not limited to Aircraft Industries (formerly LET) L-410 series, Air Tractor AT-300, AT-400 and AT-500 series, Allied Ag Cat Productions Inc. (formerly Grumman) G-164 series, PZL "Warszawa-Okęcie" PZL-106 (Kruk), RUAG Aerospace Services (formerly Dornier) Do 28 series, and Thrush Aircraft Inc. (formerly Quality, Ayres, Rockwell) S-2R series.

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

2020-0201R2 Fuel Control Unit – Replacement

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

Note: These engines are known to be installed on, but not limited to, Aircraft Industries (formerly LET) L-410 series; Air Tractor AT-300, AT-400 and AT-500 series; Allied Ag Cat Productions Inc. (formerly Grumman) G-164 series; PZL "Warszawa-Okęcie" PZL-106 (Kruk) series; RUAG Aerospace Services (formerly Dornier) Do 28 series; Thrush Aircraft (formerly Quality, Ayres, Rockwell) S-2R series; certain Fletcher FU24 series; and Viking Air Ltd. (formerly de Havilland Canada) DHC-3 Otter aeroplanes.

Effective Date: EASA AD 2020-0201-E - 22 September 2020
EASA AD 2020-0201R1 - 2 October 2020
EASA AD 2020-0201R2 - 28 January 2021

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

Effective Date: 29 July 2021

2021-0060 Airworthiness Limitations

Applicability: M601D-1, M601D-2, M601D-11, M601D-11NZ and M601Z engines, all S/N.

These engines are known to be installed on, but not limited to, Air Tractor AT-300, AT-400 and AT-500 series; Allied Ag Cat Productions Inc. (formerly Grumman) G-164 series; Pacific Aerospace FU-24; PZL "Warszawa-Okęcie" PZL-106 (Kruk) series; RUAG Aerospace Services (formerly Dornier) Do 28 series; Thrush Aircraft (formerly Quality, Ayres, Rockwell) S-2R series; Viking Air Ltd. (formerly de Havilland Canada) DHC-3 Otter aeroplanes; and Zlin Aircraft a.s. Z 37 T and Z 137 T.

Effective Date: 25 March 2021

2021-0125-E Critical Parts - Replacement

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.

Effective Date: 11 May 2021

*** 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.

These engines are known to be installed on, but not limited to, Aircraft Industries (formerly LET) L-410 series and L-420; Air Tractor AT-300, AT-400 and AT-500 series; Allied Ag Cat Productions Inc. (formerly Grumman) G-164 series; Airbus Poland S.A. (formerly PZL "Warszawa-Okęcie") PZL-106 (Turbo Kruk) series; RUAG Aerospace Services (formerly Dornier) Do 28 series; Thrush Aircraft (formerly Quality, Ayres, Rockwell) S-2R series; Viking Air Ltd. (formerly de Havilland Canada) DHC-3 Otter; Zlin Aircraft Z-37T series; and PAC FU-24 aeroplanes.

Effective Date: 29 July 2021