Airworthiness Directive Schedule

Engines
GE Aviation Czech (previously Walter Engines) M601 Series
31 March 2022

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,

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

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

These engines are known to be installed on, but not limited to, Thrush Aircraft Inc. (formerly Quality, Ayres, Rockwell) S-2R, PZL “Warszawa-Okecie” 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

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-Okecie” 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


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


Effective Date: 11 May 2021

2021-0154  Propeller Shaft - Replacement


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; Allihed 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
**2021-0264  Critical Parts - Replacement**


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:**  6 December 2021

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


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:**  18 March 2022