DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39


RIN 2120–AA64

Airworthiness Directives; Pacific Aerospace Limited Airplanes

AGENCY: Federal Aviation Administration (FAA), Department of Transportation (DOT).

ACTION: Final rule.

SUMMARY: We are adopting a new airworthiness directive (AD) for Pacific Aerospace Limited Model 750XL airplanes. This AD results from mandatory continuing airworthiness information (MCAI) issued by an aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as insufficient clearance between the pitot tubes and the primary support at the flame arrester intersection. We are issuing this AD to require actions to address the unsafe condition on these products.

DATES: This AD is effective January 10, 2019.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in the AD as of January 10, 2019.


For service information identified in this AD, contact Pacific Aerospace Limited, Airport Road, Hamilton, Private Bag 3027, Hamilton 3240, New Zealand; phone: +64 7843 6134; fax: +64 7843 6134; email: pacific@aerospace.co.nz; internet: www.aerospace.co.nz. You may view this referenced service information at the FAA, Policy and Innovation Division, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call (816) 329–4148. It is also available on the internet at http://www.regulations.gov by searching for Docket No. FAA–2018–0371.

FOR FURTHER INFORMATION CONTACT: Mike Kiesov, Aerospace Engineer, FAA, Small Airplane Standards Branch, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329–4144; fax: (816) 329–4090; email: mike.kiesov@faa.gov.

SUPPLEMENTARY INFORMATION:

Discussion
We issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 by adding an AD that would apply to Pacific Aerospace Limited Model 750XL airplanes. The NPRM was published in the Federal Register on May 11, 2018 (83 FR 21962). The NPRM proposed to correct an unsafe condition for the specified products and was based on mandatory continuing airworthiness information (MCAI) originated by the Civil Aviation Authority of New Zealand (CAA). The MCAI states:

Pacific Aerospace SB PACSB/XL/094 issue 2, dated March 20, 2018 revised to include inspection information, and DCA/750XL/24A updated to introduce the revised SB.

The [CAA] AD is prompted by a production inspection of installed pitot static plumbing which identified insufficient clearance between the pitot tubes and the primary support at the flame arrester intersection.

This AD requires inspecting the pitot static tubes for chafing damage, replacing tubing as necessary, installing an additional clamp for pitot static tube support, protecting plumbing with spiral wrap, and ensuring proper clearance between the pitot tubes and the primary support at the flame arrester intersection.

This AD is effective January 10, 2019.

We reviewed Pacific Aerospace Service Bulletin PACSB/XL/094, Issue 2, dated March 20, 2018. The service information contains procedures for inspecting the pitot static tubing for chafing, replacing tubing as necessary, installing an additional clamp for pitot static tube support, protecting plumbing with spiralwrap, and ensuring proper clearance between the pitot tubes and the primary support at the flame arrester intersection. This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the ADDRESSES section.

Costs of Compliance

We estimate that this AD will affect 22 products of U.S. registry. We also estimate that it would take about 1 work-hour per product to comply with the pitot static tubing inspection and installation of support clamps and spiral wrap required by this AD. The average labor rate is $85 per work-hour. Required parts would cost about $25 per product.

Based on these figures, we estimate the cost of the AD on U.S. operators to be $2,420, or $110 per product.

In addition, we estimate that any necessary follow-on actions to replace damaged tubing would take about 1 work-hour and require parts costing $25, for a cost of $110 per product. We have no way of determining the number of products that may need these actions.

Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA’s authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. “Subtitle VII: Aviation Programs,” describes in more detail the scope of the Agency’s authority.

We are issuing this rulemaking under the authority described in “Subtitle VII, Part A, Subpart III, Section 44701: General requirements.” Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

This AD is issued in accordance with authority delegated by the Executive

Related Service Information Under 1 CFR Part 51

We reviewed Pacific Aerospace Service Bulletin PACSB/XL/094, Issue 2, dated March 20, 2018. The service information contains procedures for inspecting the pitot static tubing for chafing, replacing tubing as necessary, installing an additional clamp for pitot static tube support, protecting plumbing with spiralwrap, and ensuring proper clearance between the pitot tubes and the primary support at the flame arrester intersection. This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the ADDRESSES section.

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This AD is issued in accordance with authority delegated by the Executive
Director, Aircraft Certification Service, as authorized by FAA Order 8000.51C. In accordance with that order, issuance of ADs is normally a function of the Compliance and Airworthiness Division, but during this transition period, the Executive Director has delegated the authority to issue ADs applicable to small airplanes, gliders, balloons, airships, domestic business jet transport airplanes, and associated appliances to the Director of the Policy and Innovation Division.

Regulatory Findings

We determined that this AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify this AD:

(a) Effective Date

This AD becomes effective January 10, 2019.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Pacific Aerospace Limited Model 750XL airplanes, serial numbers up to and including 200, certified in any category.

(d) Subject


(e) Reason

This AD was prompted by mandatory continuing airworthiness information (MCAI) originated by an aviation authority of another country to identify and address an unsafe condition on an aviation product. The MCAI describes the unsafe condition as insufficient clearance between the pitot tubes and the primary support at the flame arrester intersection. We are issuing this AD to prevent chafing between the pitot-static plumbing and the flame arrester, which could lead to damage of the pitot-static lines.

(f) Actions and Compliance

Unless already done, do the following actions in paragraphs (f)(1) through (3) of this AD.

(1) Within 100 hours time-in-service (TIS) after January 10, 2019 (the effective date of this AD) or within 60 days after January 10, 2019 (the effective date of this AD), whichever occurs first, inspect the pitot/static tubing adjacent to the flame arrester for chafing damage.

(2) If any chafing damage is found during the inspection required in paragraph (f)(1) of this AD, before further flight, repair or replace any damaged tubing and conduct a pitot and static leak check.

(3) Within 100 hours TIS after January 10, 2019 (the effective date of this AD) or within 60 days after January 10, 2019 (the effective date of this AD), whichever occurs first, install an additional support clamp, protect plumbing with spiral wrap, and ensure proper clearance between the pitot tubes and the primary support at the flame arrester intersection. Follow paragraphs (e)(2) through (e)(6) of the Accomplishment Instructions in Pacific Aerospace Service Bulletin PACSB/XL/094, Issue 2, dated March 20, 2018.

(g) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, Small Airplane Standards Branch, FAA, has the authority to approve AMOCs for this AD, if requested, using the procedures found in 14 CFR 39.19. Send information to ATTN: Mike Kiesov, Aerospace Engineer, FAA, Small Airplane Standards Branch, 901 Locust, Room 301, Kansas City, Missouri 64106; telephone: (816) 329–4144; fax: (816) 329–4090; email: mike.kiesov@faa.gov. Before using any approved AMOC on any airplane to which the AMOC applies, notify your appropriate principal inspector (PI) in the FAA Flight Standards District Office (FSDO), or lacking a PI, your local FSDO.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain corrective actions from a manufacturer, the action must instead be accomplished using a method approved by the Manager, Small Airplane Standards Branch, FAA; or Civil Aviation Authority of New Zealand (CAA).

(h) Related Information


(i) Material Incorporated by Reference

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless the AD specifies otherwise.


(ii) [Reserved]

(iii) For service information identified in this AD, contact Pacific Aerospace Limited, Airport Road, Hamilton, Private Bag 3027, Hamilton 3240, New Zealand; phone: +64 7843 6144; fax: +64 7843 6134; email: pacific@aerospace.co.nz; internet: www.aerospace.co.nz.

(4) You may view this service information at the FAA, Policy and Innovation Division, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call (816) 329–4148. In addition, you can access this service information on the internet at http://www.regulations.gov by searching for and locating Docket No. FAA–2018–0371.

(5) You may view this service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: http://www.archives.gov/federal-register/cfr/ibr-locations.html.

Issued in Kansas City, Missouri, on November 27, 2018.

Melvin J. Johnson,
Aircraft Certification Service, Deputy Director, Policy and Innovation Division, AIR–601.

[FR Doc. 2018–26364 Filed 12–4–18; 8:45 am]

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