

<i>Cal Pacific Airmotive, Inc.</i>	<b>Service Alert</b>	<b>P51-SA-001 Rev. 0</b>
<b>Title: Unapproved Aircraft Parts</b>	<b>LTC-11 North American Aviation P-51B, P-51C, P-51D, P-51K, F-51D, F-51K</b>	<b>Issue Date: March 11, 2019 Pages 1 of 2</b>

**Attention:** All North American Aviation P-51series Aircraft Owners, Operators and maintenance service personnel.

**Background:** Cal Pacific Airmotive Inc. holds Limited Type Certificate LTC-11 and FAA Production Approval 724NM (PAH) for airframe parts for the aircraft as listed on LTC-11. Our goal is to provide the current fleet of aircraft with quality FAA Approved parts to ensure the continued safe operation and life of the aircraft.

Since receiving production approval, Cal Pacific Airmotive Inc. has received a number of inquiries regarding identification of FAA Approved parts. We were recently contacted by a maintenance technician regarding multiple defective parts they believed were produced at this facility. The articles were part number 73-22007 trim tab hinge fitting which was found to have a crack at the spline nut boss. The parts did not have the Cal Pacific Airmotive inspection mark or serial number, it was determined the parts were produced by an unknown source as "Unapproved" parts.

**Unapproved Aircraft parts:** Unapproved aircraft parts are aircraft parts not approved by the Federal Aviation Administration (FAA) for installation on type certified aircraft. This includes parts improperly returned to service. Unapproved aircraft parts can pose a danger and safety risk to aviation. It is the responsibility of maintenance personnel to assure the part they are installing on a type certified aircraft is FAA Approved. It is the Pilot's responsibility to assure proper maintenance of the aircraft.

**What is a FAA Approved Part?** FAA approved parts conform to established industry or U.S. Government published specifications. In this case the specification is the North American Aviation Design and Engineered Data, and approved FAA process. The FAA accepted this data upon creation of the Limited Type Certificate AL-11, which is now LTC-11, when the aircraft was placed on the civilian registry.

FAA approved parts are produced by an approved Production Approval Holder (PAH), a Parts Manufacturing Approval holder (PMA), by meeting the requirements of a Technical Standard Order, or as applicable under FAA AC43-18. FAA FAR 21.303 and 21.305 address "Replacement and Modification of Parts" and "Approval of Materials, Parts, Processes and Appliances" respectively.

The FAA determines the parts are designed and produced in accordance with an established set of specifications and criteria. FAA Approved part manufacturers are subject to in-depth audits by the FAA which provide an appropriate degree of confidence that the standards are being met.

FAA approved parts manufacturing requires a documented process and traceability to assure the quality and conformity of the part.

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**Alert:** When purchasing your P-51 part consider the following:

A FAA Approved part will carry a mark indicating the part has been produced in accordance with the specification requirements. Cal Pacific Airmotive parts have a unique inspection stamp and tracking number.

To facilitate traceability, approved parts will have a tracking number or lot number noted on the paperwork.

Aircraft rated A/N hardware and bearings are superior in quality to commercial hardware and bearings. Several accidents have occurred as a result of installed commercial hardware and bearings.

FAA approved parts increase the value of your aircraft.

Certified parts do not mean the part is FAA Approved, it may be a Manufacturer certification of a process. Know the difference between certified and FAA Approved.

This service alert addresses aircraft by model as covered under LTC-11. FAA regulations and good maintenance practices apply to all models of P51 series aircraft.

Please feel free to contact our service department at 831-422-6860, or email [p51parts@calpacificairmotive.com](mailto:p51parts@calpacificairmotive.com) should you need assistance regarding FAA Approved parts.

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