
Issued by the Civil Aviation Authority of New Zealand in accordance with section 72I(3A) of the Civil Aviation Act. An Airworthiness Directive (AD) contains regulatory information which is mandatory. An operator of an aircraft must not operate the aircraft unless the operator complies with every applicable AD issued by the Director in accordance with section 72I(3A) of the Civil Aviation Act. An AD is issued where the Director believes on reasonable grounds that an unsafe condition exists in an aircraft or aeronautical product.

DCA/750XL/37 Engine Fuel Lines and Electrical Wiring – Inspection

Applicability: Pacific Aerospace Limited 750XL aircraft, S/N 101 through to 215, 220, 8001 and 8002 fitted with an air conditioner and/or a standby alternator, including those aircraft configured for the installation of an air conditioner and/or a standby alternator.

Requirement: To prevent chafing of engine fuel feed lines with electrical wiring and the ignition exciter located forward of the engine firewall, which could result in a fuel leak and possible fire, accomplish the following:

Inspect the engine fuel feed line hoses and the electrical wiring for chafing per the instructions in Part A of Pacific Aerospace Mandatory Service Bulletin (MSB) PACSB/XL/113 issue 2, dated 8 March 2019, or later approved revision.

If chafing or any damage is found which penetrates the orange outer covering of the fuel line firesleeve, or if any electrical wiring is found chafed or damaged, then accomplish the instructions in Part B of MSB PACSB/XL/113, before further flight.

If no chafing or no damage is found in the engine fuel feed line hoses and if no chafing or damage is found in the electrical wiring, then accomplish the instructions in Part B of MSB PACSB/XL/113 at the next 300 hour maintenance inspection, or within the next 50 hours TIS, whichever is the later.

Compliance: At the next 150 hour maintenance inspection, or within the next 50 hour TIS, whichever is the later.

Effective Date: 25 April 2019

Background: DCA/750XL/37 is prompted by a review of the installation of the engine fuel lines and the electrical installation forward of the engine firewall on aircraft fitted with an air conditioner and/or a standby alternator, including those aircraft configured for the installation of an air conditioner and/or a standby alternator. It was found that the engine fuel feed lines hoses could possibly chafe against the adjacent electrical wiring and the ignition exciter, which could result in a fuel leak and possible fire. The AD is issued to introduce the corrective actions in Pacific Aerospace Mandatory Service Bulletin (MSB) PACSB/XL/113 issue 2, dated 8 March 2019.