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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.

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### DCA/750XL/21                      Wing Lightning Protection Panels - Inspection

**Applicability:** Pacific Aerospace 750XL aircraft, all S/N fitted with wing lightning protection panels.

**Note:** This AD mandates an electrical bonding inspection of the wing lightning protection panels per the requirements in Pacific Aerospace Mandatory Service Bulletin (MSB) PACSB/XL/092 issue 2, dated 15 December 2017, or later approved revision.

**Requirement:** To prevent the lack of sufficient electrical bonding of the wing lightning protection panels possibly resulting in reduced effectiveness of fuel tank protection from lightning, accomplish the following on both wings:

1. Bonding Verification Test (For short range wing upper surface):

Accomplish the bonding verification test per the Accomplishment Instructions 2.A in Pacific Aerospace Mandatory Service Bulletin (MSB) PACSB/XL/092 issue 2, dated 15 December 2017, or later approved revision.

If the resistance is found greater than 100 milliohms, or an open circuit is found, then repair per the Accomplishment Instructions 2.B in MSB PACSB/XL/092.

2. Bonding Verification Test (For short range wing lower surface):

Accomplish the bonding verification test per the Accomplishment Instructions 2.C in MSB PACSB/XL/092.

If the resistance is found greater than 100 milliohms, or an open circuit is found, then repair per the Accomplishment Instructions 2.D in MSB PACSB/XL/092.

3. Bonding Verification Test (For long range wing upper surface):

Accomplish the bonding verification test per the Accomplishment Instructions 3.A in MSB PACSB/XL/092.

If the resistance is found greater than 100 milliohms, or an open circuit is found, then repair per the Accomplishment Instructions 3.B in MSB PACSB/XL/092.

4. Bonding Verification Test (For long range wing lower surface):

Accomplish the bonding verification test per the Accomplishment Instructions 3.C in MSB PACSB/XL/092.

If the resistance is found greater than 100 milliohms, or an open circuit is found, then repair per the Accomplishment Instructions 3.D in MSB PACSB/XL/092.

**Compliance:** For aircraft on IFR operations:

Before further flight.

For aircraft on VFR operations:

By 15 February 2018.

**Effective Date:** 22 December 2017