

MCAI Information Form

In support of the Civil Aviation Authority actions to address your Mandatory Continued Airworthiness Information (MCAI), please provide the information below, if not contained in the referenced service information. **Important Note:** The Director may require information considered necessary in the interests of civil aviation safety, Civil Aviation Act 1990 Section 15 refers.

Aircraft Manufacturer/Model: Pacific Aerospace 750XL.

Bulletin/Revision/Date: PACSB/XL/104 Issue 1 (01 May 2018).

Number of aircraft affected, all aircraft or by S/N: PAL 750XL aircraft up to and including serial number 222.

- 1. Describe the unsafe condition, AND its root cause. Include a description of how the problem could affect the safe operation of the aircraft:**
Insufficient separation of ground terminations for individual power sources and static grounds. Root cause is the deviation from the approved engineering data. The loss of primary and secondary power sources, as the result of corrosion of the ground connection or failure of the fastening hardware could result in the simultaneous loss of multiple systems.
- 2. Provide the number and description of occurrences that prompted the mandatory service bulletin:** No occurrences in the field. The deviation was first observed on the production line.
- 3. How was the compliance time(s) established?** There have been no reports of failures in the field and failure of the 3/8" Grade 8 steel bolt used for the existing ground terminal is highly unlikely.
- 4. Cost of parts and/or installation man hours?** Less than NZD25.00 materials, plus 4-man hours to complete task.
- 5. If parts are required, are they available for all aircraft?** All the required hardware is commercially available.
- 6. What category best describes the cause of the unsafe condition? Design problem, maintenance, quality control problem, unapproved parts, operational or other (specify):** Combined design and quality control problem.
- 7. Should a ferry flight be permitted? Yes/No?** Yes, the change will be embodied prior to further aircraft leaving PAL.

8. **If this is an interim action is a terminating action available? If so, please provide a description and recommended compliance time:** Further clarification & instructions have been added to the production drawings. On completion of the embodiment of the service bulletin, no further action is required.
9. **Other additional information:** N/A

Form completed by: Ben Fantom

Date: 1st May 2018

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