

## 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 Ltd / P-750 XL*  
Service Bulletin/Revision/Date      *PACSB/XL/105 – Issue 4 – 19/12/2018*

Number of aircraft affected, all aircraft or by S/N:

Part A – *ALL 750XL (NZ) aircraft up to and including S/N 216, and S/N 220.*

Part B – *750XL (CN) aircraft S/N 8001 and 8002.*

Part C – *ALL 750XL aircraft up to and including S/N 185 (excluding S/N 177).*

1. Describe the unsafe condition, AND its root cause. Include a description of how the problem could affect the safe operation of the aircraft:

*The locking nuts on the lower attachment clamp are backing off of the Nose Landing Gear attachment points. Loss of fasteners attaching the NLG to the aircraft could cause collapse on the NLG.*

2. Provide the number and description of occurrences that prompted the mandatory service bulletin:

*5 occurrences:*

*There have been 5 occurrences in which the metal lock nuts have been backing off of the NLG attach points.*

*4x FALCO 750XL aircraft with high cycles*

*1x SKYDIVE 750XL aircraft*

3. How was the compliance time(s) established?

*High risk. Loss of fasteners reported.*

4. Cost of parts and/or installation man hours?

Material costs: *13 \$* / Man Hours: *Part A: 2 min./ Part B: 1 hour / Part C: 2 hours.*

5. If parts are required, are they available for all aircraft?

*Yes.*

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6. What category best describes the cause of the unsafe condition? Design problem, maintenance, quality control problem, unapproved parts, operational or other (specify):

*Design: Unexpected performance of self-locking nuts when subject to tension and cycling shear loads.*

7. Should a ferry flight be permitted? Yes/No ?

*Yes, if Part A is accomplished daily.*

8. If this is an interim action is a terminating action available? If so, please provide a description and recommended compliance time:

*Part B of this SB is a terminating action.*

9. Other additional information:

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