

# Continuing Airworthiness Notice – 32-002



## Piper PA-31 and PA-42 Main Gear Retraction Arms P/N 42042-000 & P/N 42042-002

10 September 2012

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Issued by the Civil Aviation Authority of New Zealand in the interests of aviation safety. A Continuing Airworthiness Notice (CAN) is intended to alert, educate, and make recommendations to the aviation community. A CAN contains non-regulatory information and guidance that does not meet the criteria for an Airworthiness Directive (AD). The inspections and practices described in this CAN must still be carried out in accordance with the applicable NZCAR Parts 21, 43 and 91.

**The contents of this notice are ADVISORY ONLY and are NOT MANDATORY.**

CAN numbering is by ATA Chapter followed by a sequential number for the next CAN in that ATA Chapter.

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### Applicability:

All Piper PA-31 and PA-42 series aircraft fitted with main gear retraction arms P/N 42042-000 and 42042-002.

### Purpose:

This Continued Airworthiness Notice (CAN) alerts operators and maintainers of Piper PA-31 and PA-042 series aircraft of Piper SL 1092B dated 1 September 2011 which introduces an initial inspection, a periodic inspection and a life limit for main gear retraction arms P/N 42042-000 and 42042-002. The initial inspection is required at 1500 hours TIS and the SL also introduces a periodic 200 hour inspection until 6000 hours TTIS. At the mandatory life limit of 6000 hours TTIS affected main gear retraction arms must be replaced before further flight.

### Background:

This CAN is prompted by a report from a New Zealand PA-31-350 aircraft maintainer of finding a main gear retraction arm cracked while accomplishing the instructions in Piper SL 1092. Investigation revealed the fatigue crack initiated at the inner radius of the arm. The retraction arm was replaced and compliance with Piper SL 1092B annotated in the aircraft logbook.

### Recommendation:

CAA strongly recommends operators and maintainers of Piper PA-31 and PA-42 series aircraft fitted with main gear retraction arms P/N 42042-000 and 42042-002 comply with the inspection requirements specified in Piper SL 1092B dated 1 September 2011.

Affected main gear retraction arms P/N 42042-000 and 42042-002 must be replaced at the mandatory life limit of 6000 hours TTIS specified in Piper SL 1092B.

Compliance with the requirements specified in Piper SL 1092B may be accomplished by adding the requirements to the aircraft logbook.

### Enquiries:

All other enquires about this CAN should be sent to:

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