

Aviation Safety Investigation Report
198902556

Cessna 340-A

29 May 1989

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NOTE: All air safety occurrences reported to the ATSB are categorised and recorded. For a detailed explanation on Category definitions please refer to the ATSB website at www.atsb.gov.au.

This accident was not the subject of an on site investigation.

Occurrence Number: 198902556 **Occurrence Type:** Accident
Location: Tenterfield NSW
Date: 29 May 1989 **Time:** 1145
Highest Injury Level: Nil
Injuries:

	Fatal	Serious	Minor	None
Crew	0	0	1	1
Ground	0	0	0	-
Passenger	0	0	0	5
Total	0	0	0	6

Aircraft Details: Cessna 340-A
Registration: VH-DRQ
Serial Number: 34OAO294
Operation Type: Charter
Damage Level: Substantial
Departure Point: Moree NSW
Departure Time: N/K
Destination: Tenterfield NSW

Approved for Release: 5th July 1989

Circumstances:

The aircraft was engaged in a passenger charter operation from Moree to Tenterfield. After landing at Tenterfield, when the aircraft turned off the strip, the left main landing gear broke away and the aircraft settled on the left wing. Prior to the previous takeoff, whilst the aircraft was taxiing at Moree, the landing gear aural warning had sounded momentarily. The pilot and an engineer inspected the landing gear down lock system but no fault was found. The aircraft then operated normally to Tenterfield until the aircraft turned off the strip. Subsequent investigation of the landing gear showed that the forward trunnion pin had become disengaged from the trunnion and the rear pin had migrated some distance aft and finally failed in overload. Movement of the trunnion pins was the direct result of incorrect assembly procedure.

Significant Factors:

The following factors were considered relevant to the accident.

1. The rear trunnion pin failed in overload following forward trunnion pin displacement.
2. The forward and rear trunnion pins and slotted roll pins were incorrectly installed.
3. Prior to certification for maintenance, the inspection by the certifying LAME was inadequate.