

**Aviation Safety Investigation Report
199301725**

**Cessna Aircraft Company
Cutlass**

09 June 1993

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Investigations commenced on or before 30 June 2003, including the publication of reports as a result of those investigations, are authorised by the Executive Director of the Bureau in accordance with Part 2A of the Air Navigation Act 1920.

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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.

The Bureau did not conduct an on scene investigation of this occurrence. The information presented below was obtained from information supplied to the Bureau.

Occurrence Number:	199301725	Occurrence Type:	Accident
Location:	Bacchus Marsh		
State:	VIC	Inv Category:	4
Date:	Wednesday 09 June 1993		
Time:	0930 hours	Time Zone	EST
Highest Injury Level:	None		

Aircraft Manufacturer:	Cessna Aircraft Company		
Aircraft Model:	172RG		
Aircraft Registration:	VH-NAY	Serial Number:	172RG0453
Type of Operation:	Instructional Solo		
Damage to Aircraft:	Substantial		
Departure Point:	Bacchus Marsh VIC		
Departure Time:			
Destination:	Bacchus Marsh VIC		

Approved for Release: Wednesday, October 26, 1994

The student pilot was conducting solo consolidation flying. While taxiing after a landing on runway 27 the nosewheel assembly collapsed.

An engineering inspection of the nosewheel assembly discovered that a fatigue failure had occurred. A forging which attaches the nosewheel hydraulic actuator to the fuselage broke.

A Civil Aviation Authority Airworthiness Surveyor has inspected the aircraft and intends to have the failed component further inspected in a laboratory.

Significant Factor

The following factor was considered relevant to the development of the accident:

1. A forging failed because of fatigue.