

**Aviation Safety Investigation Report
199604116**

**Cessna Aircraft Company
C-152**

13 December 1996

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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: 199604116 **Occurrence Type:** Incident
Location: Coolangatta, Aerodrome
State: QLD **Inv Category:** 4
Date: Friday 13 December 1996
Time: 1620 hours **Time Zone** EST
Highest Injury Level: None

Aircraft Manufacturer: Cessna Aircraft Company
Aircraft Model: 152
Aircraft Registration: VH-HVI **Serial Number:** 15281112
Type of Operation: Instructional Other Training
Damage to Aircraft: Minor
Departure Point: Coolangatta
Departure Time: 1500 EST
Destination: Coolangatta

Crew Details:

Role	Class of Licence	Hours on	
<u>Role</u>	<u>Class of Licence</u>	<u>Type</u>	<u>Hours Total</u>
Pilot-In-Command	Commercial	49.7	248

Approved for Release: Tuesday, March 25, 1997

ASOR TEXT

A Major defect Report had been submitted in April 1995 after it was discovered that the nosewheel fork was cracked near the bolt hole, and the nosewheel fork was replaced. The replacement fork was actually a Cessna 150 part, the difference being the size of the axle bolt. The Cessna 150 fork which was fitted had an AN-4 bolt, whereas the correct fork had a larger AN-5 bolt. The pilots reported that after a normal landing the nosegear collapsed. The failure of the bolt at the head appears to be due to fatigue as a result of excessive working loads on the smaller diameter bolt.