

**Aviation Safety Investigation Report
199400609**

**Piper Aircraft Corp
Seminole**

10 March 1994

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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.

Occurrence Number: 199400609 **Occurrence Type:** Accident
Location: Bendigo
State: VIC **Inv Category:** 4
Date: Thursday 10 March 1994
Time: 1450 hours **Time Zone** EST
Highest Injury Level: None

Aircraft Manufacturer: Piper Aircraft Corp
Aircraft Model: PA-44-180
Aircraft Registration: VH-KHG **Serial Number:** 44-8095019
Type of Operation: Instructional Dual
Damage to Aircraft: Substantial
Departure Point: Bendigo VIC
Departure Time: 1450 EST
Destination: Mangalore VIC

Crew Details:

Role	Class of Licence	Hours on Type	Hours Total
Pilot-In-Command	ATPL 1st Class	370.0	3500
Pilot-In-Command (AICUS)	Commercial	19.0	561

Approved for Release: Tuesday, June 28, 1994

The exercise for the student was to be an engine failure on take off before the decision speed of 88 knots. On take off the engine was failed at 80 knots. The student re-acted incorrectly and lifted the aircraft off, instead of closing the throttles and rejecting the take off. The instructor took control, closed the throttles and landed the aircraft on the runway. As the aircraft slowed an uncontrollable swing right developed and the aircraft came to a stop to the right of the runway.

Inspection of the aircraft showed that the right main gear leg had collapsed. The upper section of the gear leg had split and allowed the lower section to detach. The damage was consistent with a heavy touch down on the right gear leg.

On observer reported that the aircraft appeared to descend rapidly to the runway from a height of about 30 feet, touching down on the right gear leg first.

Significant Factors

The following factors were considered relevant to the development of the accident:



1 Unexpected reaction by the pilot under check in lifting the aircraft off when the speed was below the decision speed.

2 Heavy touch down on right main gear leg, following instructor actions when he took over at a low airspeed.

