

**Aviation Safety Investigation Report
199003107**

Beech 200

23 October 1990

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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: 199003107
Location: Cairns QLD
Date: 23 October 1990
Highest Injury Level: Nil
Injuries:

Occurrence Type: Accident

Time: 1735

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

Aircraft Details: Beech 200
Registration: VH-IBD
Serial Number: BB-297
Operation Type: Charter
Damage Level: Substantial
Departure Point: Cairns QLD
Departure Time: 1725
Destination: Mareeba QLD

Approved for Release: 12th June 1991

Circumstances:

The pilot reported that when he selected the landing gear up after takeoff, it remained down and the three green lights remained illuminated. After checking the circuit breakers, several more attempts were made to retract the landing gear without success. During the subsequent landing, the landing gear collapsed and the aircraft settled onto its underside. The only fault revealed during examination of the landing gear system was varying resistance in the right landing gear safety switch (the squat switch). This intermittent fault could have prevented the landing gear from retracting. The pilot reported that he conducted a smooth landing because of the nature of the problem. Despite that, it could have been sufficient to free the switch and allow the retraction cycle to begin as the oleos were compressed but before the safety switch was made. However, this could only have happened if the landing gear selector was in the up position.

Significant Factors:

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

1. There was varying resistance in the right landing gear safety switch causing intermittent operation.
2. The aircraft was landed with the landing gear selector in the up position.