

**Aviation Safety Investigation Report
198601414**

Hughes 269C

08 April 1986

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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 CEO 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.

Occurrence Number: 198601414
Location: Moorabbin VIC
Date: 08 April 1986
Highest Injury Level: Nil
Injuries:

Occurrence Type: Accident

Time: 1732

	Fatal	Serious	Minor	None
Crew	0	0	2	2
Ground	0	0	0	-
Passenger	0	0	0	0
Total	0	0	0	2

Aircraft Details: Hughes 269C
Registration: VH-IHV
Serial Number:
Operation Type: Aerial Work (Dual Instruction)
Damage Level: Substantial
Departure Point: Moorabbin VIC
Departure Time: 1732
Destination: Moorabbin VIC

Approved for Release: June 4th 1987

Circumstances:

Following a period of general training, a practice autorotational landing was made. A moderately firm touchdown occurred and a repeat of the exercise was requested by the instructor. Touchdown on this occasion was normal, however during the ground slide the right landing gear collapsed. The gear had collapsed from overload forces, but both pilots were adamant that the landings had not been abnormal. Ground marks at the scene confirmed this contention. It was possible that damage had occurred during previous operations, but had not been detected during subsequent pre-flight inspections. The investigation also discovered that the right gear upper struts contained delaminations caused by stress corrosion. The delaminations ran at right angles to the overload forces, and were not considered to have significantly degraded the ability of the struts to support normal loads.