

**Aviation Safety Investigation Report
199003052**

Robinson R22

8 March 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: 199003052
Location: Caloundra QLD
Date: 8 March 1990
Highest Injury Level: Nil
Injuries:

Occurrence Type: Accident

Time: 1600

	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: Robinson R22
Registration: VH-HQX
Serial Number: 8
Operation Type: Aerial Work
Damage Level: Substantial
Departure Point: N/A
Departure Time: N/A
Destination: N/A

Approved for Release: 10th May 1990

Circumstances:

The pilot had previously undertaken a dual instructional flight during which he received instruction in, and practised, approaches simulating a jammed tail rotor pedal control. The pilot was then authorised for a solo flight which was to include practice of "jammed pedal" approaches. During one such approach, the skids contacted the ground while the helicopter was not in straight, balanced flight. The helicopter rolled onto its side in an uncontrolled dynamic rollover. Following the accident, the flying school amended its operations manual to preclude solo students practising "jammed pedal" approaches and landings.

Significant Factors:

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

1. The student pilot misjudged the height of the skids above the ground.
2. The helicopter was not in straight, balanced flight.