

Aviation Safety Investigation Report
198803468

Cessna 210-K

18 July 1988

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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.

This accident was not the subject to an on-site investigation.

Occurrence Number: 198803468 **Occurrence Type:** Accident
Location: Cairns QLD
Date: 18 July 1988 **Time:** 1129
Highest Injury Level: Nil
Injuries:

	Fatal	Serious	Minor	None
Crew	0	0	1	1
Ground	0	0	0	-
Passenger	0	0	0	1
Total	0	0	0	2

Aircraft Details: Cessna 210-K
Registration: VH-EKW
Serial Number: 21059345
Operation Type: Charter
Damage Level: Substantial
Departure Point: Helenvale (29 km S
Cooktown) QLD
Departure Time: N/A
Destination: Cairns QLD

Approved for Release: 6 February 1989

Circumstances:

When the landing gear was lowered in the circuit normal down and locked indications were obtained. During the landing roll the right main gear collapsed. Investigation revealed that a damaged "O" ring in the right downlock actuator had allowed hydraulic pressure to be lost, causing the right gear to unlock and collapse. The actuators are "on-condition" items.

Significant Factors:

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

1. Material failure of an "O" ring in the right hand gear downlock actuator.
2. Loss of hydraulic pressure past the "O" ring allowed the right gear to collapse.