

Aviation Safety Investigation Report 199002001

Cessna 310

10 August 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.

This accident was not formally investigated by the Bureau.

Occurrence Number: 199002001
 Occurrence Type: Accident

Location: Parkes NSW
 Time: 955

Date: 10 August 1990

Highest Injury Level: Nil

Injuries:

	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: Cessna 310
 Registration: VH-REK
 Serial Number: 35583
 Operation Type: Private
 Damage Level: Substantial
 Departure Point: Bankstown NSW
 Departure Time: 846
 Destination: Parkes NSW

Approved for Release: 24th May 1991

Circumstances:

The pilot reported that following a normal landing the aircraft was taxied for some distance. During a left turn the right main landing gear collapsed, resulting in the right propeller and wing contacting the ground. Investigation revealed that the right main gear strut had failed at the lower welded joint. A metallurgical examination determined that the failure was due to the propagation of a fatigue crack along the weld. A weld repair had been effected in the area previously because of a crack and it appeared the crack was not completely removed during the repair procedure. This was not positively confirmed as the owner would not permit destructive testing of the component. The manufacturer's service manual limits repair of the main landing gear to replacement of parts.