

**Aviation Safety Investigation Report
199402302**

**Cessna Aircraft Company
180A**

19 August 1994

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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.

The Bureau did not conduct an on scene investigation of this occurrence. The information presented below was obtained from information supplied to the Bureau.

Occurrence Number: 199402302 **Occurrence Type:** Incident
Location: William Creek
State: SA **Inv Category:** 4
Date: Friday 19 August 1994
Time: 1200 hours **Time Zone** CST
Highest Injury Level: None

Aircraft Manufacturer: Cessna Aircraft Company
Aircraft Model: 180A
Aircraft Registration: VH-UPH **Serial Number:** 50083
Type of Operation: Non-commercial Pleasure/Travel
Damage to Aircraft: Nil
Departure Point: William Creek SA
Departure Time: 1200 CST
Destination: Andamooka SA

Approved for Release: Monday, April 15, 1996

Take-off was rejected when the pilot realised that the aircraft could only be turned to the left due to malfunction of the right brake assembly. Subsequent investigation revealed that the right brake torque plate had failed.

Metallurgical examination found that the torque plate had failed due to a fatigue fracture at one of the thru-bolt holes. The initiation and propagation of the fatigue crack had resulted from the lack of sufficient torque on the centre thru-bolt.