

**Aviation Safety Investigation Report
199300127**

**Piper Aircraft Corp
Arrow III**

03 February 1993

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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 Executive Director 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.

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: 199300127 **Occurrence Type:** Accident
Location: Bankstown
State: NSW **Inv Category:** 4
Date: Wednesday 03 February 1993
Time: 1351 hours **Time Zone** ESuT
Highest Injury Level: None

Aircraft Manufacturer: Piper Aircraft Corp
Aircraft Model: PA-28R-201
Aircraft Registration: VH-JRX **Serial Number:** 28R-7837204
Type of Operation: Instructional Dual
Damage to Aircraft: Substantial
Departure Point: Bankstown NSW
Departure Time:
Destination: Bankstown NSW

Crew Details:

Role	Class of Licence	Hours on Type Hours Total
Pilot-In-Command	Senior Commercial	13000

Approved for Release: Friday, July 9, 1993

The purpose of the flight was to complete the training for an aircraft endorsement. Two circuits were flown after the initial take-off, during which all radio communication equipment progressively failed. No alternator failure light was observed. When the landing gear was finally selected down neither the instructor or the trainee could determine if the landing gear had correctly extended. They assumed it had extended however as the landing gear warning horn did not sound when the throttle was retarded. The aircraft subsequently landed with the landing gear retracted. No fault could be found with the landing gear or radio systems after the accident. The reason for the apparent loss of electrical power could not be established.