

**Aviation Safety Investigation Report  
199702658**

**Beech Aircraft Corp  
Baron**

**14 August 1997**

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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](http://www.atsb.gov.au).**

**Occurrence Number:** 199702658      **Occurrence Type:** Incident  
**Location:** Adelaide, Aerodrome  
**State:** SA      **Inv Category:** 4  
**Date:** Thursday 14 August 1997  
**Time:** 1303 hours      **Time Zone:** CST  
**Highest Injury Level:** None

**Aircraft Manufacturer:** Beech Aircraft Corp  
**Aircraft Model:** 58  
**Aircraft Registration:** VH-ION      **Serial Number:** TH-014  
**Type of Operation:** Air Transport Domestic Low Capacity Non-scheduled Training  
**Damage to Aircraft:** Minor  
**Departure Point:** Adelaide SA  
**Departure Time:** 1300 CST  
**Destination:** Adelaide SA

**Crew Details:**

<b>Role</b>	<b>Class of Licence</b>	<b>Hours on Type</b>	<b>Hours Total</b>
Pilot-In-Command	Commercial	1000.0	8000

**Approved for Release:** Friday, April 3, 1998

Shortly after departure from runway 23 at Adelaide for a training flight, the pilot advised ATS that one engine was shutdown. The aircraft returned for an uneventful landing. Post flight examination found that the left propeller had suffered an in-flight separation of a counterweight and retaining bolts. Debris from the separating counterweight punctured the aircraft fuselage. A bolt head and spacer were retrieved from the nose baggage compartment area.

Metalurgical examination of the components was unable to determine the the sequence of failure of the counterweights. Due to the inflight loss of failed parts, it is not possible to complete the investigation into the failure.

