Aviation Safety Investigation Report 198702436

Beechcraft 95-B55 Baron

9 November 1987

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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.

Occurrence Number: 198702436 **Occurrence Type:** Accident
Location: Brewarrina NSW
Date: 9 November 1987 **Time:** 1527 ESuT
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: Beechcraft 95-B55 Baron
Registration: VH-EHN
Serial Number: TC-1285
Operation Type: Charter (Cargo Operations)
Damage Level: Substantial
Departure Point: Brewarrina NSW
Departure Time: N/A
Destination: Bourke NSW

Approved for Release: 16 March 1988

Circumstances:

The pilot reported that as full power was applied on the take-off run, he heard a loud bang and the aircraft yawed to the right. He shut down the right engine and brought the aircraft to a stop. Initial inspection revealed that the right propeller assembly had failed at the hub. One blade had separated from the hub and struck the nose section of the aircraft. It was determined that the hub had failed from fatigue which had originated at the root of the blade retention thread. It was estimated that the fatigue crack had propagated over about 900 engine start cycles, and had occurred at some time after a regular inspection to check for this type of cracking.