

**Aviation Safety Investigation Report
198301276**

Cessna 150 G

22 February 1983

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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: 198301276
Location: Canberra ACT
Date: 22 February 1983
Highest Injury Level: Serious
Injuries:

Occurrence Type: Accident

Time: 735

	Fatal	Serious	Minor	None
Crew	0	2	0	0
Ground	0	0	0	-
Passenger	0	0	0	0
Total	0	2	0	0

Aircraft Details: Cessna 150 G
Registration: VH-RNJ
Serial Number:
Operation Type: Dual Instruction
Damage Level: Substantial
Departure Point: Canberra ACT
Departure Time: 0735
Destination: Canberra ACT

Approved for Release: 14th October, 1985

Circumstances:

During the pre-take off checks the student found the carburettor heat control could be pulled out further than usual and that there was no rpm drop associated with the application of hot air. On take-off the aircraft was slow to accelerate. It became airborne and was observed to enter a gentle right turn. A wing dropped and the aircraft impacted the ground. Investigation revealed that due to excessive wear, the carburettor heat control cable had failed at the attach point with the actuating bellcrank. The air hose between the muffler and the carburettor hot air box had collapsed internally. The combination of the carburettor heat control failure in the "hot" position and the obstruction of the alternate air source led to the loss of engine power during take-off. Shortly afterwards the aircraft stalled over flat open country.