

**Aviation Safety Investigation Report
198500131**

Piper PA28R-180

23 March 1985

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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: 198500131
Location: Mundijong WA
Date: 23 March 1985
Highest Injury Level: Nil
Injuries:

Occurrence Type: Accident

Time: 1445

	Fatal	Serious	Minor	None
Crew	0	0	2	2
Ground	0	0	0	-
Passenger	0	0	0	1
Total	0	0	0	3

Aircraft Details: Piper PA28R-180
Registration: VH-KIE
Serial Number:
Operation Type: Dual Training
Damage Level: Substantial
Departure Point: Jandakot WA
Departure Time: 1445
Destination: Jandakot WA

Approved for Release: 14th June, 1985

Circumstances:

The student pilot was undergoing a conversion onto the aircraft type. As part of the conversion, the instructor closed the throttle and requested the student to demonstrate a forced landing. At about 600 feet, the instructor, being satisfied with the exercise, advised the student to go-around. The throttle was opened but the engine did not respond. The instructor took control but was unsuccessful in his attempts to restart the engine. The aircraft was landed in a paddock and ran through a fence. The exercise was carried out conforming to the checklist requirements, one of which was to switch the fuel boost pump on. Investigation revealed that the engine would not idle with the pump on. The engine had been out of service, unpreserved, for 17 months and the fuel regulator diaphragm was sticking to its guide and seal assembly causing the engine to run rich at idle and stall. Although the instructor took control at 600 feet, attention was diverted from the forced landing to restarting the engine.