

**Aviation Safety Investigation Report
198702386**

Piper PA30

23 February 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: 198702386
Location: Bankstown NSW
Date: 23 February 1987
Highest Injury Level: Nil
Injuries:

Occurrence Type: Accident

Time: 1230 Approx

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

Aircraft Details: Piper PA30
Registration: VH-CON
Serial Number:
Operation Type: Charter (Cargo Operations)
Damage Level: Substantial
Departure Point: Sydney NSW
Departure Time: 1230 Approx
Destination: West Maitland NSW

Approved for Release: March 25th 1987

Circumstances:

During a training sequence, the pilot in command simulated a failure of the left engine. The pilot under check correctly identified the failed engine, and applied full right rudder to counter the effects of yaw. The flight then continued normally, but the crew were later unable to obtain a down and locked indication for the landing gear. An inspection from another aircraft revealed that the gear was only partly extended, with the nosewheel turned to the right. After all efforts to lower the gear were unsuccessful, a safe wheels-up landing was made. It was later discovered that there was a rigging fault in the nosewheel steering and rudder system. This had allowed a roller, which normally engages in a channel to centre the nosegear during retractions, to move outside the channel when full right rudder was applied. This had resulted in jamming of the nosegear.