

**Aviation Safety Investigation Report
198802421**

Facet Opal

28 July 1988

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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.

This accident was not formally investigated by the Bureau. The relevant information was supplied by the pilot.

Occurrence Number: 198802421 **Occurrence Type:** Accident
Location: The Oaks NSW
Date: 28 July 1988 **Time:** N/K
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: Facet Opal
Registration: AUF C1004
Serial Number: N/K
Operation Type: Sport Aviation
Damage Level: Substantial
Departure Point: Peak Hill NSW
Departure Time: N/K
Destination: The Oaks NSW

Approved for Release: 6 May 1989

Circumstances:

The aircraft is a prototype designed for long distance and altitude record attempts. The pilot reported that after touchdown the nosegear retracted and this also resulted in the main gear collapsing. The gear collapse resulted from undetected stiffness in the nosegear downlock mechanism. A number of modifications to the system are to be incorporated.

Significant Factors:

The following factor was considered relevant to the development of the accident

1. Inadequate design of the gear retracting mechanism.