

No: 9/91

Ref: EW/G91/07/01

Category: 3

**Aircraft Type and Registration:** Renegade Spirit UK, G-MWGP

**No & Type of Engines:** 1 Rotax 582 piston engine

**Year of Manufacture:** 1991

**Date & Time (UTC):** 1 July 1991 at 1852 hrs

**Location:** Fossway, near Lichfield, Staffordshire

**Type of Flight:** Private

**Persons on Board:** Crew - 1 Passengers - None

**Injuries:** Crew - None Passengers - N/A

**Nature of Damage:** Landing gear torn off, propeller broken

**Commander's Licence:** Private Pilot's Licence

**Commander's Age:** 48 years

**Commander's Flying Experience:** 180 hours (of which 8 were on type)

**Information Source:** Aircraft Accident Report Form submitted by the pilot and telephone enquiries by AAIB

The pilot had just taken the microlight aircraft for a short local flight between two farm strips when, at 800 feet agl in the climb out, an engine cooling system hose became detached. The pilot shut down the engine to prevent damage due to overheating and selected a field into which he made a forced landing. The field was deeply rutted and the aircraft's landing gear was torn off during the landing. The pilot was able to get out of the aircraft unaided.

The aircraft itself had been constructed recently from a kit. The kit instructions were not specific about the way in which the radiator should be fitted and connected within the cooling system. A pipe junction component was made for the owner/constructor which allowed two large bore and one smaller bore pipes to be joined. The smaller bore pipe was connected to a short and unflared limb of the fitting by a 'jubilee' type clip which was deemed adequate and satisfied the post-build inspection. However it was this connection which had pulled adrift.

The PFA and the kit importers have been informed of this occurrence and an improved fitting has been designed for use on this aircraft type.