

SIAI Marchetti S205 18/R G-AYXS

AAIB Bulletin No: 8/2003	Ref: EW/G2002/10/03	Category: 1.3
Aircraft Type and Registration:	SIAI Marchetti S205 18/R, G-AYXS	
No & Type of Engines:	1 Lycoming O-360-A1A piston engine	
Year of Manufacture:	1968	
Date & Time (UTC):	4 October 2002 at 1241 hrs	
Location:	Denham Aerodrome, Middlesex	
Type of Flight:	Private	
Persons on Board:	Crew - 2	Passengers - None
Injuries:	Crew - None	Passengers - N/A
Nature of Damage:	Damage to engine cowl, nose landing gear and propeller	
Commander's Licence:	Private Pilot's Licence	
Commander's Age:	54 years	
Commander's Flying Experience:	440 hours (of which 110 were on type)	
	Last 90 days - 36 hours	
	Last 28 days - 10 hours	
Information Source:	Aircraft Accident Report Form submitted by the pilot and telephone enquiries by the AAIB	

The aircraft was landing on Runway 24 at Denham after a flight from Barton, Manchester. The commander reported that, before the flight, he carried out a standard pre-flight inspection with no anomalies found. On the approach to Denham, with the passenger performing the function of a co-pilot, the commander stated that the pre-landing checks were carried out in a challenge and response manner, including a check of the landing gear single green indicator light and a mechanical indicator on the floor which is linked to the nose landing gear. Again, no anomalies were found and the subsequent touchdown was described as smooth.

However, after a few seconds of rollout the nose landing gear suddenly collapsed, and the aircraft came to rest on its mainwheels and nose just off the right edge of the runway. The co-pilot had already switched off the landing light and fuel boost pump. The emergency services arrived promptly and, with the assistance of a number of helpers, the aircraft was tilted upwards about the mainwheels and a mechanic reached underneath to check the folded nose gear. He was able to pull the leg into the locked-down position without difficulty whence the aircraft was pushed onto a stand.

The maintenance company which examined the aircraft after the accident reported that, apart from the damage caused by the nose gear collapse, no defects were found with the landing gear system which could account for the problem.