

No: 10/83

Ref: EW/G83/07/05

Aircraft type and registration:	Cessna FRA 150 L (light single engine fixed wing aircraft)	
Year of manufacture:	1973	
Date and time (GMT):	5 July 1983 at 1206 hrs	
Location:	Liverpool Airport	
Type of flight:	Instruction/training	
Persons on board:	Crew – 2	Passengers – Nil
Injuries:	Crew – Nil	Passengers – N/A
Nature of damage:	Substantial – both wing tips, main and nose landing gear, engine, propeller and cowlings	
Commander's Licence:	Commercial Pilot's Licence	
Commander's Age:	53 years	
Commander's total flying experience:	6700 hours (of which 5,600 hours were on type)	

The aircraft was on an instructional flight, with the CFI adopting the role of a student pilot for the benefit of a trainee instructor. The CFI was therefore the handling pilot, and during the take-off run, yawed the aircraft left of centre line to simulate poor directional control. The trainee instructor corrected him verbally, but not physically with opposite rudder, as was expected. At a reported 60 mph, and approaching the edge of the runway, the aircraft was rotated to a normal climb attitude. Simultaneously with the rotation, a loud bang was heard from the area of the front of the aircraft. At approximately 20 feet agl, the aircraft yawed and rolled to the right in a descending turn, then after the application of corrective left rudder, continued descending in a turn to the left, and struck the runway.

The aircraft was substantially damaged, but there was no fire. The weather at the time of the occurrence was fine, with a light southerly wind.

The cause of the noise heard during rotation could not be determined. There was no evidence that the aircraft had struck any obstruction, such as part of the airfield lighting equipment.