



Aviation Investigation Final Report

Location:	La Porte, Texas	Accident Number:	DFW08CA107
Date & Time:	April 19, 2008, 13:10 Local	Registration:	N532MA
Aircraft:	Tecnam P2002 Sierra	Aircraft Damage:	Substantial
Defining Event:	Hard landing	Injuries:	2 Minor
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

The student pilot reported that while landing, the airplane bounced twice and he elected to abort the landing and applied full engine power. The flight instructor reported that as full engine power was restored insufficient rudder was applied and the airplane drifted left of the runway. Taking over the airplane's controls, the flight instructor initiated a left bank in an attempt to avoid hitting the airport windsock. While banking, the left wing tip impacted the ground followed by the airplane's fuselage. The airplane's fuselage and both wings sustained structural damage during the accident. There was no reported mechanical failure or malfunction with the airplane's flight controls or engine.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The student pilot's improper recovery from the bounced landing and the instructor's delayed remedial action.

Findings

Personnel issues	Decision making/judgment - Student/instructed pilot
Personnel issues	Incorrect action performance - Pilot
Personnel issues	Lack of action - Pilot

Factual Information

History of Flight

Landing-flare/touchdown	Hard landing (Defining event)
Landing	Loss of control in flight
Landing	Runway excursion

Flight instructor Information

Certificate:	Commercial; Flight instructor	Age:	76, Male
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land	Seat Occupied:	
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane multi-engine; Airplane single-engine; Instrument airplane	Toxicology Performed:	No
Medical Certification:	Class 3	Last FAA Medical Exam:	December 1, 2006
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	5980 hours (Total, all aircraft), 8 hours (Total, this make and model), 58 hours (Last 90 days, all aircraft), 24 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Student pilot Information

Certificate:	Commercial; Flight instructor	Age:	76, Male
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane multi-engine; Airplane single-engine; Instrument airplane	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	December 1, 2006
Occupational Pilot:	No	Last Flight Review or Equivalent:	December 1, 2006
Flight Time:	5980 hours (Total, all aircraft), 8 hours (Total, this make and model), 5750 hours (Pilot In Command, all aircraft), 58 hours (Last 90 days, all aircraft), 24 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Tecnam	Registration:	N532MA
Model/Series:	P2002 Sierra	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Special light-sport (Special)	Serial Number:	251
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	March 1, 2008 Annual	Certified Max Gross Wt.:	1320 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Rotax
ELT:	Installed, activated	Engine Model/Series:	912
Registered Owner:	Cliff Hyde Flying Service Inc	Rated Power:	100 Horsepower
Operator:		Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.04 inches Hg	Temperature/Dew Point:	26°C / 6°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	HOUSTON, TX (EFD)	Type of Flight Plan Filed:	None
Destination:	LA PORTE, TX (T41)	Type of Clearance:	None
Departure Time:	13:00 Local	Type of Airspace:	

Airport Information

Airport:	LA PORTE MUNI T41	Runway Surface Type:	Asphalt
Airport Elevation:		Runway Surface Condition:	Dry
Runway Used:	12	IFR Approach:	None
Runway Length/Width:	4165 ft / 75 ft	VFR Approach/Landing:	Traffic pattern

Wreckage and Impact Information

Crew Injuries:	2 Minor	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Minor	Latitude, Longitude:	29.67,-95.065002

Administrative Information

Investigator In Charge (IIC):	LeBaron, Timothy
Additional Participating Persons:	David Metz; Federal Aviation Administration; Houston, TX
Original Publish Date:	June 30, 2008
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=67851

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