



Aviation Investigation Final Report

Location:	Winter Haven, Florida	Accident Number:	ERA12CA173
Date & Time:	February 7, 2012, 13:27 Local	Registration:	N701CF
Aircraft:	AEROPRO CZ EUROFOX LSA	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

The student pilot reported that, while taxiing to the runway and adjusting the throttle, the engine spooled up and the taxi speed increased. He retarded the throttle and attempted to apply toe brakes, but the airplane was equipped with a hand brake instead of toe brakes. The flight instructor reported that the airplane moved toward a hangar at a "rapid speed" as he tried to slow the airplane. The airplane collided with a hangar door, resulting in substantial damage to the airframe. The instructor stated that the time from loss of control to the collision with the hangar was about 2 to 3 seconds. The instructor had 1.9 hours of experience in the accident airplane. The pilots reported that there were no anomalies or malfunctions with the airplane during the accident sequence.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The flight instructor's delayed remedial action to prevent the airplane from hitting the hangar door. Contributing to the accident was the student pilot's misuse of the airplane's throttle, and his incorrect use of the wheel brakes.

Findings

Personnel issues	Lack of action - Instructor/check pilot
Aircraft	Power lever - Incorrect use/operation
Aircraft	Surface speed/braking - Incorrect use/operation
Personnel issues	Incorrect action performance - Student/instructed pilot

Factual Information

History of Flight

Taxi-to runway	Loss of control on ground (Defining event)
Taxi-to runway	Ground collision

Flight instructor Information

Certificate:	Commercial; Flight instructor	Age:	26, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane single-engine; Instrument airplane	Toxicology Performed:	No
Medical Certification:	Class 1 Without waivers/limitations	Last FAA Medical Exam:	January 4, 2011
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	July 12, 2010
Flight Time:	1076 hours (Total, all aircraft), 2 hours (Total, this make and model), 1017 hours (Pilot In Command, all aircraft), 9 hours (Last 90 days, all aircraft), 3 hours (Last 30 days, all aircraft)		

Student pilot Information

Certificate:	None	Age:	Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	None	Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	1 hours (Total, all aircraft), 1 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	AEROPRO CZ	Registration:	N701CF
Model/Series:	EUROFOX LSA	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Experimental light sport (Special)	Serial Number:	237 07
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	May 9, 2011 100 hour	Certified Max Gross Wt.:	1320 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	791 Hrs at time of accident	Engine Manufacturer:	ROTAX
ELT:	Installed, not activated	Engine Model/Series:	912ULS
Registered Owner:	On file	Rated Power:	100 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	GIF, 145 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	13:53 Local	Direction from Accident Site:	
Lowest Cloud Condition:		Visibility	10 miles
Lowest Ceiling:	Overcast / 1200 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	20°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.06 inches Hg	Temperature/Dew Point:	22°C / 17°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Winter Haven, FL (GIF)	Type of Flight Plan Filed:	None
Destination:	Winter Haven, FL (GIF)	Type of Clearance:	None
Departure Time:		Type of Airspace:	

Airport Information

Airport:	Gilbert Airport GIF	Runway Surface Type:	Asphalt
Airport Elevation:	145 ft msl	Runway Surface Condition:	Dry
Runway Used:	05	IFR Approach:	None
Runway Length/Width:	5005 ft / 100 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	28.062778,-81.753334(est)

Administrative Information

Investigator In Charge (IIC):	Hicks, Ralph
Additional Participating Persons:	Rafael Dorta-Figueroa; FAA/FSDO; Orlando, FL
Original Publish Date:	June 28, 2012
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=82839

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