



Aviation Investigation Final Report

Location:	Lutz, Florida	Accident Number:	ERA20CA244
Date & Time:	July 11, 2020, 11:26 Local	Registration:	N38KF
Aircraft:	NEW KOLB AIRCRAFT CO LLC KOLB FLYER SS	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 Minor
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

The purpose of the flight was to prepare the student pilot for a solo cross-country flight. After taxiing to the end of the runway, the flight instructor told the student to perform a short field takeoff. The student pilot described that there was a crowd at the airport café, and that the flight instructor stated, “let’s show them what aviation is all about.” The student pilot said that the takeoff roll was normal, and as he pulled back on the flight control stick and began to pitch for a best climb attitude, the airplane struggled to fly. The student pilot then felt back pressure on the control stick and noted that the flight instructor was pulling the stick back more but had not initiated a positive transfer of controls. The airplane then veered to the left, the flight instructor pitched the nose down, and the airplane struck a berm off the left side of the runway before it “cartwheeled” twice and came to rest. During the accident sequence the airplane’s left wing and empennage were substantially damaged. The student pilot reported that there were no preimpact mechanical malfunctions or failures of the airplane that would have precluded normal operation.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The flight instructor’s failure to maintain control of the airplane following an unannounced transfer of flight control during takeoff.

Findings

Aircraft	Directional control - Not attained/maintained
Personnel issues	Incorrect action performance - Instructor/check pilot
Personnel issues	Aircraft control - Instructor/check pilot

Factual Information

History of Flight

Takeoff	Loss of control on ground (Defining event)
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Flight instructor Information

Certificate:	Commercial; Flight instructor	Age:	28, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane single-engine	Toxicology Performed:	No
Medical Certification:	Class 1 Without waivers/limitations	Last FAA Medical Exam:	December 23, 2019
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:			

Student pilot Information

Certificate:	Student	Age:	Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
Instrument Rating(s):	None	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	
Medical Certification:		Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Make:	NEW KOLB AIRCRAFT CO LLC	Registration:	N38KF
Model/Series:	KOLB FLYER SS No Series	Aircraft Category:	Airplane
Year of Manufacture:	2008	Amateur Built:	Yes
Airworthiness Certificate:	Special light-sport (Special)	Serial Number:	FK-1561
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1
Airframe Total Time:		Engine Manufacturer:	ROTAX
ELT:		Engine Model/Series:	912ULS SERIES
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:	KZPH,90 ft msl	Distance from Accident Site:	11 Nautical Miles
Observation Time:	11:15 Local	Direction from Accident Site:	87°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	310°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.95 inches Hg	Temperature/Dew Point:	31°C / 26°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Lutz, FL	Type of Flight Plan Filed:	None
Destination:	Plant City, FL (PCM)	Type of Clearance:	None
Departure Time:		Type of Airspace:	Unknown

Airport Information

Airport:	TAMPA NORTH AERO PARK X39	Runway Surface Type:	Asphalt
Airport Elevation:	68 ft msl	Runway Surface Condition:	
Runway Used:	14	IFR Approach:	None
Runway Length/Width:	3541 ft / 50 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	2 Minor	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:		Aircraft Explosion:	None
Total Injuries:	2 Minor	Latitude, Longitude:	28.21719,-82.370755(est)

Administrative Information

Investigator In Charge (IIC):	Wentz, Peter
Additional Participating Persons:	Andrew Murray; FAA-FSDO; Tampa
Original Publish Date:	August 24, 2021
Last Revision Date:	
Investigation Class:	Class 4
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=101579

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