



# Aviation Investigation Final Report

<b>Location:</b>	Lutz, Florida	<b>Accident Number:</b>	ERA20CA244
<b>Date &amp; Time:</b>	July 11, 2020, 11:26 Local	<b>Registration:</b>	N38KF
<b>Aircraft:</b>	NEW KOLB AIRCRAFT CO LLC KOLB FLYER SS	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	2 Minor
<b>Flight Conducted Under:</b>	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

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

## Factual Information

### History of Flight

<b>Takeoff</b>	Loss of control on ground (Defining event)
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### Flight instructor Information

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

### Student pilot Information

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

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	NEW KOLB AIRCRAFT CO LLC	<b>Registration:</b>	N38KF
<b>Model/Series:</b>	KOLB FLYER SS No Series	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	2008	<b>Amateur Built:</b>	Yes
<b>Airworthiness Certificate:</b>	Special light-sport (Special)	<b>Serial Number:</b>	FK-1561
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	ROTAX
<b>ELT:</b>		<b>Engine Model/Series:</b>	912ULS SERIES
<b>Registered Owner:</b>	On file	<b>Rated Power:</b>	100 Horsepower
<b>Operator:</b>	On file	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	KZPH,90 ft msl	<b>Distance from Accident Site:</b>	11 Nautical Miles
<b>Observation Time:</b>	11:15 Local	<b>Direction from Accident Site:</b>	87°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	6 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	310°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29.95 inches Hg	<b>Temperature/Dew Point:</b>	31°C / 26°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Lutz, FL	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Plant City, FL (PCM)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>		<b>Type of Airspace:</b>	Unknown

## Airport Information

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

## Wreckage and Impact Information

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

## Administrative Information

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

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