



# Aviation Investigation Final Report

<b>Location:</b>	Boerne, Texas	<b>Accident Number:</b>	CEN14CA271
<b>Date &amp; Time:</b>	May 30, 2014, 07:30 Local	<b>Registration:</b>	N348BL
<b>Aircraft:</b>	BRM AERO SRO BRISTELL S-LSA	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control in flight	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Instructional		

## Analysis

The purpose of the flight was for the student pilot to practice takeoffs and landings. The student was performing a soft field takeoff when the accident occurred. The student applied aft control pressure and added power for takeoff. Once airborne, the airplane drifted to the right. The student corrected and the airplane drifted to the left. The instructor then took control of the airplane. He lowered the nose to gain airspeed and the left gear contacted the runway and collapsed. The instructor stated he then overcorrected to the right and the right wing contacted the ground. The airplane settled to the ground off the right side of the runway and spun to the left prior to coming to rest. The airplane received substantial damage to the aft fuselage.

## Probable Cause and Findings

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

The instructor pilot's failure to regain control of the airplane following the student pilot's initial loss of control of the airplane.

## Findings

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

## Factual Information

### History of Flight

<b>Takeoff</b>	Loss of control in flight (Defining event)
<b>Takeoff-rejected takeoff</b>	Collision with terr/obj (non-CFIT)
<b>Takeoff-rejected takeoff</b>	Runway excursion

### Flight instructor Information

<b>Certificate:</b>	Airline transport; Flight engineer	<b>Age:</b>	43
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Right
<b>Other Aircraft Rating(s):</b>	Glider	<b>Restraint Used:</b>	3-point
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	Airplane multi-engine; Airplane single-engine; Instrument airplane; Sport pilot	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Sport pilot	<b>Last FAA Medical Exam:</b>	
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	May 4, 2013
<b>Flight Time:</b>	11000 hours (Total, all aircraft), 58 hours (Total, this make and model), 8500 hours (Pilot In Command, all aircraft), 38 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft)		

### Student pilot Information

<b>Certificate:</b>	Student	<b>Age:</b>	56
<b>Airplane Rating(s):</b>	None	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	3-point
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 With waivers/limitations	<b>Last FAA Medical Exam:</b>	May 23, 2013
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	53 hours (Total, all aircraft), 43 hours (Total, this make and model), 14 hours (Pilot In Command, all aircraft), 48 hours (Last 90 days, all aircraft), 19 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	BRM AERO SRO	<b>Registration:</b>	N348BL
<b>Model/Series:</b>	BRISTELL S-LSA NO SERIES	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	2013	<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Special light-sport (Special)	<b>Serial Number:</b>	032/2013
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	100 hour	<b>Certified Max Gross Wt.:</b>	1320 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	300 Hrs	<b>Engine Manufacturer:</b>	Rotax
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	912
<b>Registered Owner:</b>	PRUITT INDUSTRIES LLC	<b>Rated Power:</b>	98 Horsepower
<b>Operator:</b>	Benjamin Armen	<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>	5C1,1385 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	08:10 Local	<b>Direction from Accident Site:</b>	0°
<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>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>		<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29.92 inches Hg	<b>Temperature/Dew Point:</b>	20°C / 17°C
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	Boerne, TX (5C1 )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Boerne, TX (5C1 )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>		<b>Type of Airspace:</b>	Class E

## Airport Information

<b>Airport:</b>	Boerne Stage 5C1	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	1385 ft msl	<b>Runway Surface Condition:</b>	
<b>Runway Used:</b>	17	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	4340 ft / 60 ft	<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	2 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	29.722778,-98.694442(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Sullivan, Pamela
<b>Additional Participating Persons:</b>	Frank Fortmann; FAA; San Antonio, TX
<b>Original Publish Date:</b>	July 30, 2014
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</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=89334">https://data.nts.gov/Docket?ProjectID=89334</a>

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