Aviation Investigation Final Report

Location:	Boerne, Texas	**Accident Number:**	CEN14CA271
Date & Time:	May 30, 2014, 07:30 Local	**Registration:**	N348BL
Aircraft:	BRM AERO SRO BRISTELL S-LSA	**Aircraft Damage:**	Substantial
Defining Event:	Loss of control in flight	**Injuries:**	2 None
Flight Conducted Under:	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

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

Flight instructor Information

Certificate:	Airline transport; Flight engineer	**Age:**	43
Airplane Rating(s):	Single-engine land; Multi-engine land	**Seat Occupied:**	Right
Other Aircraft Rating(s):	Glider	**Restraint Used:**	3-point
Instrument Rating(s):	Airplane	**Second Pilot Present:**	Yes
Instructor Rating(s):	Airplane multi-engine; Airplane single-engine; Instrument airplane; Sport pilot	**Toxicology Performed:**	No
Medical Certification:	Sport pilot	**Last FAA Medical Exam:**	
Occupational Pilot:	Yes	**Last Flight Review or Equivalent:**	May 4, 2013
Flight Time:	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

Certificate:	Student	**Age:**	56
Airplane Rating(s):	None	**Seat Occupied:**	Left
Other Aircraft Rating(s):	None	**Restraint Used:**	3-point
Instrument Rating(s):	None	**Second Pilot Present:**	Yes
Instructor Rating(s):	None	**Toxicology Performed:**	No
Medical Certification:	Class 3 With waivers/limitations	**Last FAA Medical Exam:**	May 23, 2013
Occupational Pilot:	No	**Last Flight Review or Equivalent:**	
Flight Time:	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

Aircraft Make:	BRM AERO SRO	**Registration:**	N348BL
Model/Series:	BRISTELL S-LSA NO SERIES	**Aircraft Category:**	Airplane
Year of Manufacture:	2013	**Amateur Built:**	
Airworthiness Certificate:	Special light-sport (Special)	**Serial Number:**	032/2013
Landing Gear Type:	Tricycle	**Seats:**	2
Date/Type of Last Inspection:	100 hour	**Certified Max Gross Wt.:**	1320 lbs
Time Since Last Inspection:		**Engines:**	1 Reciprocating
Airframe Total Time:	300 Hrs	**Engine Manufacturer:**	Rotax
ELT:	Installed, not activated	**Engine Model/Series:**	912
Registered Owner:	PRUITT INDUSTRIES LLC	**Rated Power:**	98 Horsepower
Operator:	Benjamin Armen	**Operating Certificate(s) Held:**	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	**Condition of Light:**	Day
Observation Facility, Elevation:	5C1,1385 ft msl	**Distance from Accident Site:**	0 Nautical Miles
Observation Time:	08:10 Local	**Direction from Accident Site:**	0°
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:	29.92 inches Hg	**Temperature/Dew Point:**	20°C / 17°C
Precipitation and Obscuration:			
Departure Point:	Boerne, TX (5C1)	**Type of Flight Plan Filed:**	None
Destination:	Boerne, TX (5C1)	**Type of Clearance:**	None
Departure Time:		**Type of Airspace:**	Class E

Airport Information

Airport:	Boerne Stage 5C1	**Runway Surface Type:**	Asphalt
Airport Elevation:	1385 ft msl	**Runway Surface Condition:**	
Runway Used:	17	**IFR Approach:**	None
Runway Length/Width:	4340 ft / 60 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:**	29.722778,-98.694442(est)

Administrative Information

Investigator In Charge (IIC):	Sullivan, Pamela
Additional Participating Persons:	Frank Fortmann; FAA; San Antonio, TX
Original Publish Date:	July 30, 2014
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.ntsb.gov/Docket?ProjectID=89334