



Aviation Investigation Final Report

Location:	Beckwourth, California	Accident Number:	GAA17CA148
Date & Time:	February 14, 2017, 11:00 Local	Registration:	N425RS
Aircraft:	Beech A23	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 Serious
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

The solo student pilot reported that he had not flown for 45 days before the accident due to inclement weather. He added that, during the touch-and-go takeoff roll, the airplane drifted to the left. He further added that he attempted to correct for the drift by using the control yoke instead of the rudder. Subsequently, the airplane impacted a snow bank on the south side of the runway.

The airplane sustained substantial damage to the fuselage and empennage.

The student pilot reported that there were no preaccident mechanical failures or malfunctions with 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 student pilot's inadvertent use of the control yoke to correct for a drift and his subsequent failure to maintain directional control during takeoff.

Findings

Aircraft	Directional control - Not attained/maintained
Personnel issues	Aircraft control - Student/instructed pilot
Aircraft	(general) - Unintentional use/operation
Personnel issues	Use of equip/system - Student/instructed pilot
Environmental issues	Snow/ice - Contributed to outcome

Factual Information

History of Flight

Takeoff	Loss of control on ground (Defining event)
Takeoff	Attempted remediation/recovery
Takeoff	Runway excursion
Takeoff	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Student	Age:	56,Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Lap only
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	March 15, 2016
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated) 25 hours (Total, all aircraft), 23 hours (Total, this make and model), 8 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Beech	Registration:	N425RS
Model/Series:	A23	Aircraft Category:	Airplane
Year of Manufacture:	1965	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	M-718
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	February 1, 2016 Annual	Certified Max Gross Wt.:	2350 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	2986.64 Hrs as of last inspection	Engine Manufacturer:	Continental
ELT:	Installed, activated, aided in locating accident	Engine Model/Series:	IO-346A
Registered Owner:		Rated Power:	165 Horsepower
Operator:		Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	RAA,5026 ft msl	Distance from Accident Site:	24 Nautical Miles
Observation Time:	09:55 Local	Direction from Accident Site:	112°
Lowest Cloud Condition:	Scattered / 2000 ft AGL	Visibility	10 miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	3 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	160°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:		Temperature/Dew Point:	2°C / -1°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Beckwourth, CA (002)	Type of Flight Plan Filed:	None
Destination:	Beckwourth, CA (002)	Type of Clearance:	None
Departure Time:	10:00 Local	Type of Airspace:	Class G

Airport Information

Airport:	NERVINO 002	Runway Surface Type:	Asphalt
Airport Elevation:	4899 ft msl	Runway Surface Condition:	Dry
Runway Used:	26	IFR Approach:	None
Runway Length/Width:	4651 ft / 75 ft	VFR Approach/Landing:	Touch and go;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Serious	Latitude, Longitude:	39.818611,-120.352775(est)

Administrative Information

Investigator In Charge (IIC):	Vanover, Jackie
Additional Participating Persons:	Aaron Southerland; FAA; Reno, NV
Original Publish Date:	July 20, 2017
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=94747

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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