



Aviation Investigation Final Report

Location:	Burlington, Washington	Accident Number:	WPR18CA213
Date & Time:	July 14, 2018, 08:40 Local	Registration:	N5202B
Aircraft:	Cessna E162	Aircraft Damage:	Substantial
Defining Event:	Loss of control in flight	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

The solo student pilot reported that he landed uneventfully and then taxied to the runup area. He called his flight instructor, opened a new flight plan, then taxied to the runway for departure. During the takeoff roll, about the time of rotation, he felt the airplane shudder. Subsequently, he chose to abort the takeoff. During the aborted takeoff, the airplane porpoised, and the nose landing gear collapsed.

The airplane sustained substantial damage to the fuselage.

The student reported that there were no preimpact mechanical failures or malfunctions with the airframe or engine 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 failure to maintain pitch control during an aborted takeoff.

Findings

Personnel issues	Aircraft control - Student/instructed pilot
Aircraft	Pitch control - Not attained/maintained

Factual Information

History of Flight

Takeoff	Miscellaneous/other
Takeoff-rejected takeoff	Loss of control in flight (Defining event)
Takeoff-rejected takeoff	Landing gear collapse

Pilot Information

Certificate:	Student	Age:	30,Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without waivers/limitations	Last FAA Medical Exam:	July 10, 2017
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated) 81 hours (Total, all aircraft), 81 hours (Total, this make and model), 5 hours (Pilot In Command, all aircraft), 25 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N5202B
Model/Series:	E162 No Series	Aircraft Category:	Airplane
Year of Manufacture:	2011	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	16200012
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	June 23, 2018 Annual	Certified Max Gross Wt.:	1320 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	1434 Hrs at time of accident	Engine Manufacturer:	Continental
ELT:	C91A installed, not activated	Engine Model/Series:	O-200D
Registered Owner:		Rated Power:	100
Operator:		Operating Certificate(s) Held:	Pilot school (141)

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KBVS,140 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	15:56 Local	Direction from Accident Site:	171°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	260°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.2 inches Hg	Temperature/Dew Point:	18°C / 11°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Renton, WA (RNT)	Type of Flight Plan Filed:	VFR
Destination:	Burlington, WA (BVS)	Type of Clearance:	None
Departure Time:	07:30 Local	Type of Airspace:	Class G

Airport Information

Airport:	SKAGIT RGNL BVS	Runway Surface Type:	Asphalt
Airport Elevation:	145 ft msl	Runway Surface Condition:	Dry
Runway Used:	29	IFR Approach:	None
Runway Length/Width:	5478 ft / 100 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	48.471668,-122.418052(est)

Administrative Information

Investigator In Charge (IIC):	Vanover, Jackie
Additional Participating Persons:	Chris Slater; FAA; Des Moines, WA
Original Publish Date:	March 18, 2019
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=98023

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).