

Aviation Investigation Final Report

Location: Vashon, Washington Accident Number: GAA18CA290

Date & Time: May 19, 2018, 20:00 Local Registration: N1423P

Aircraft: Piper PA 14 Aircraft Damage: Substantial

Defining Event: Loss of control on ground **Injuries:** 2 None

Flight Conducted Under: Part 91: General aviation - Personal

Analysis

According to the pilot in the tailwheel-equipped airplane, his right foot inadvertently applied pressure to both rudder pedals during the takeoff roll. The airplane exited the left side of the runway, and the left wing struck a tree. The airplane ground looped to the left, and the right wingtip struck the ground.

The airplane sustained substantial damage to the right wing, elevator, and rudder.

The pilot reported that there were no mechanical malfunctions or failures 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 pilot's failure to maintain directional control of the airplane during the takeoff roll due to his right foot inadvertently applying pressure to both rudder pedals.

Findings

Personnel issues Aircraft control - Pilot

Aircraft Rudder control system - Unintentional use/operation

Aircraft Directional control - Not attained/maintained

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Factual Information

History of Flight

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

Pilot Information

Certificate:	Private	Age:	72,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	Glider	Restraint Used:	4-point
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:	May 25, 2016
Occupational Pilot:	No	Last Flight Review or Equivalent:	May 12, 2016
Flight Time:	(Estimated) 868.2 hours (Total, all aircraft), 167 hours (Total, this make and model), 868.2 hours (Pilot In Command, all aircraft), 21 hours (Last 90 days, all aircraft), 18.5 hours (Last 30 days, all aircraft), 2.2 hours (Last 24 hours, all aircraft)		

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Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N1423P
Model/Series:	PA 14 NO SERIES	Aircraft Category:	Airplane
Year of Manufacture:	1948	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	1423
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	May 1, 2018 Annual	Certified Max Gross Wt.:	1935 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	as of last inspection	Engine Manufacturer:	Lycoming
ELT:	C126 installed, activated, aided in locating accident	Engine Model/Series:	O-320-A2B
Registered Owner:		Rated Power:	150 Horsepower
Operator:		Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Night
Observation Facility, Elevation:	KSEA,434 ft msl	Distance from Accident Site:	7 Nautical Miles
Observation Time:	02:53 Local	Direction from Accident Site:	97°
Lowest Cloud Condition:		Visibility	10 miles
Lowest Ceiling:	Broken / 3500 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	270°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	29.95 inches Hg	Temperature/Dew Point:	18°C / 16°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Vashon, WA (2S1)	Type of Flight Plan Filed:	VFR
Destination:	Vashon, WA (2S1)	Type of Clearance:	None
Departure Time:	20:00 Local	Type of Airspace:	Class G

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Airport Information

Airport:	VASHON MUNI 2S1	Runway Surface Type:	Grass/turf
Airport Elevation:	316 ft msl	Runway Surface Condition:	Wet
Runway Used:	17	IFR Approach:	None
Runway Length/Width:	2001 ft / 60 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	47.45861,-122.476943(est)

Administrative Information

Investigator In Charge (IIC):	Hicks, Michael
Additional Participating Persons:	Donald Bacon; FAA; Seattle, 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.ntsb.gov/Docket?ProjectID=97296

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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