



Aviation Investigation Final Report

Location:	Monongahela, Pennsylvania	Accident Number:	ERA20CA280
Date & Time:	August 9, 2020, 14:43 Local	Registration:	N321C
Aircraft:	CUBCRAFTERS INC CC11-160	Aircraft Damage:	Substantial
Defining Event:	Nose over/nose down	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot of the tailwheel-equipped airplane was performing a wheel landing to the turf adjacent to an asphalt runway. Prior to the tailwheel contacting the ground, the pilot moved his toes to top the rudder pedals and inadvertently applied the brakes. The airplane then nosed over and came to rest inverted, which resulted in substantial damage to the left-wing strut. The 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 pilot's premature application of brakes during landing, which resulted in a nose-over event.

Findings

Personnel issues	Use of equip/system - Pilot
Aircraft	Surface speed/braking - Not attained/maintained

Factual Information

History of Flight

Landing-landing roll	Nose over/nose down (Defining event)
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Pilot Information

Certificate:	Commercial; Sport Pilot	Age:	74, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	4-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Sport pilot None	Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	2798 hours (Total, all aircraft), 101 hours (Total, this make and model), 1567 hours (Pilot In Command, all aircraft), 13 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CUBCRAFTERS INC	Registration:	N321C
Model/Series:	CC11-160	Aircraft Category:	Airplane
Year of Manufacture:	2016	Amateur Built:	
Airworthiness Certificate:	Experimental light sport (Special)	Serial Number:	CC11-00407
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	June 4, 2020 Condition	Certified Max Gross Wt.:	1320 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	455.1 Hrs at time of accident	Engine Manufacturer:	Titan
ELT:	C126 installed, activated, did not aid in locating accident	Engine Model/Series:	OX-340CC-B3J4
Registered Owner:	On file	Rated Power:	180 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KAGC,1273 ft msl	Distance from Accident Site:	10 Nautical Miles
Observation Time:	18:40 Local	Direction from Accident Site:	334°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	270°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.06 inches Hg	Temperature/Dew Point:	30°C / 16°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Irwin, PA (31D)	Type of Flight Plan Filed:	None
Destination:	Monongahela, PA (FWQ)	Type of Clearance:	None
Departure Time:	14:23 Local	Type of Airspace:	Class E

Airport Information

Airport:	ROSTRAVER FWQ	Runway Surface Type:	Grass/turf
Airport Elevation:	1228 ft msl	Runway Surface Condition:	Dry
Runway Used:		IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor	Latitude, Longitude:	40.210834,-79.828613(est)

Administrative Information

Investigator In Charge (IIC):	Hill, Millicent
Additional Participating Persons:	Joahua Albrecht; FAA/FSDO; Pittsburg, PA
Original Publish Date:	June 24, 2021
Last Revision Date:	
Investigation Class:	Class 4
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=101764

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