



National Transportation Safety Board Aviation Accident Final Report

Location:	Auburn, PA	Accident Number:	GAA16CA038
Date & Time:	11/02/2015, 1130 EST	Registration:	N84138
Aircraft:	AERONCA 7AC	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot of the tailwheel-equipped airplane reported that she took off and remained in the airport traffic pattern. During the landing roll, the pilot reported that she applied too much brake pressure and the airplane nosed over. The airplane sustained substantial damage to the right wing strut.

The pilot reported 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 pilot's use of excessive brake pressure during the landing roll, which resulted in a nose over.

Findings

Aircraft

Personnel issues	Use of equip/system - Pilot (Cause)
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Factual Information

History of Flight

Landing-landing roll	Loss of control on ground (Defining event) Nose over/nose down
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Pilot Information

Certificate:	Sport Pilot	Age:	59, Female
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Sport Pilot None	Last Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	05/30/2015
Flight Time:	(Estimated) 70 hours (Total, all aircraft), 70 hours (Total, this make and model), 30 hours (Pilot In Command, all aircraft), 10 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 Manufacturer:	AERONCA	Registration:	N84138
Model/Series:	7AC	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	7AC2824
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	10/05/2015, Annual	Certified Max Gross Wt.:	1320 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	2163 Hours	Engine Manufacturer:	CONTINENTAL
ELT:	C91A installed, activated, did not aid in locating accident	Engine Model/Series:	C-85-12C
Registered Owner:	On file	Rated Power:	85 hp
Operator:	On file	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KRDG, 344 ft msl	Observation Time:	1554 UTC
Distance from Accident Site:	16 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	151°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	14°C / 8°C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	Calm	Visibility (RVR):	
Altimeter Setting:	30.11 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	FREDERICKSBURG, PA (9N7)	Type of Flight Plan Filed:	None
Destination:	Auburn, PA (2PA2)	Type of Clearance:	None
Departure Time:	1015 EST	Type of Airspace:	Class G

Airport Information

Airport:	HILLVIEW (2PA2)	Runway Surface Type:	Dirt; Grass/turf
Airport Elevation:	780 ft	Runway Surface Condition:	Dry
Runway Used:	08	IFR Approach:	None
Runway Length/Width:	1200 ft / 100 ft	VFR Approach/Landing:	Traffic Pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None		

Administrative Information

Investigator In Charge (IIC):	Bradley M Bigelow	Adopted Date:	02/08/2016
Additional Participating Persons:	TOM SAVICKAS; FEDERAL AVIATION ADMINISTRATION; ALLENTOWN, PA		
Publish Date:	02/08/2016		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=92278		

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.

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.