



National Transportation Safety Board Aviation Accident Data Summary

Location:	Cambridge, MD	Accident Number:	ERA11CA408
Date & Time:	07/01/2011, 1130 EDT	Registration:	N789EP
Aircraft:	CESSNA 172S	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The student pilot stated that she was completing her first solo cross-country flight. She landed the airplane on its main landing gear but it bounced. She then decreased the pitch of the airplane's nose, resulting in the nosewheel touching down independently of the main landing gear. The airplane's nosewheel strut broke loose from its attachments and was driven into the engine compartment, which resulted in substantial damage to the firewall. She was able to keep the airplane on the runway during the entire landing sequence and roll. She taxied the airplane off of the runway and did not report any mechanical anomalies with the aircraft.

Flight Events

Landing-flare/touchdown - Abnormal runway contact
Landing-landing roll - Attempted remediation/recovery
Landing-landing roll - Landing gear collapse

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
The student pilot's improper recovery from a bounced landing.

Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-(general)-Not attained/maintained - C
Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C

Student Pilot Information

Certificate:	Student	Age:	32
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	41 hours (Total, all aircraft), 41 hours (Total, this make and model), 3 hours (Pilot In Command, all aircraft), 41 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N789EP
Model/Series:	172S	Engines:	1 Reciprocating
Operator:	BRETT AVIATION	Engine Manufacturer:	LYCOMING
Air Carrier Operating Certificate:	None	Engine Model/Series:	IO360 SER A&C
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KCGE, 20 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	7 knots, 340°
Temperature:	25°C / 13°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Baltimore, MD (MTN)	Destination:	Cambridge, MD (CGE)

Airport Information

Airport:	Cambridge - Dorchester Airport (CGE)	Runway Surface Type:	Asphalt
Runway Used:	34	Runway Surface Condition:	Dry
Runway Length/Width:	4477 ft / 75 ft		

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

Administrative Information

Investigator In Charge (IIC):	Paul R Cox	Adopted Date:	10/17/2011
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=81149		

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