



National Transportation Safety Board Aviation Accident Final Report

Location:	Asheville, NC	Accident Number:	ERA09CA035
Date & Time:	11/01/2008, 1530 EDT	Registration:	N2055R
Aircraft:	CESSNA 172	Aircraft Damage:	Substantial
Defining Event:	Hard landing	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

While conducting touch and go landings during the student pilot's first solo flight, the Cessna 172S hit the runway "hard" and then bounced. The pilot added power, but the airplane "stalled" and the nose of the airplane pitched down, impacting the runway on the nose landing gear. The fuselage and firewall were substantially damaged during landing.

Probable Cause and Findings

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

Personnel issues	Incorrect action performance - Student pilot (Cause)
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Factual Information

History of Flight

Landing-flare/touchdown	Hard landing (Defining event)
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Student Pilot Information

Certificate:	Student	Age:	42, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without Waivers/Limitations	Last Medical Exam:	08/28/2008
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	18 hours (Total, all aircraft), 18 hours (Total, this make and model), 18 hours (Last 90 days, all aircraft), 10 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N2055R
Model/Series:	172 S	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	172S9581
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	09/11/2008, 100 Hour	Certified Max Gross Wt.:	2550 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	2321 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	IO360
Registered Owner:	WNC Aviation	Rated Power:	180 hp
Operator:	WNC Aviation	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KAVL, 2165 ft msl	Observation Time:	1454 EDT
Distance from Accident Site:		Condition of Light:	Day
Direction from Accident Site:		Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	19°C / -2°C
Lowest Ceiling:		Visibility	10 Miles
Wind Speed/Gusts, Direction:	5 knots, 340°	Visibility (RVR):	
Altimeter Setting:	30.34 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:			
Departure Point:	Asheville, NC (KAVL)	Type of Flight Plan Filed:	None
Destination:	Asheville, NC (KAVL)	Type of Clearance:	VFR
Departure Time:	1540 EDT	Type of Airspace:	Class C

Airport Information

Airport:	Asheville Regional Airport (KAVL)	Runway Surface Type:	Asphalt
Airport Elevation:	2165 ft	Runway Surface Condition:	Dry
Runway Used:	34	IFR Approach:	None
Runway Length/Width:	8001 ft / 150 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):	Brian C Rayner	Adopted Date:	12/24/2008
Additional Participating Persons:	Hoke Weise; FAA/FSDO; Charlotte, NC		
Publish Date:	12/24/2008		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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