



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Santa Rosa, CA	<b>Accident Number:</b>	WPR14CA379
<b>Date &amp; Time:</b>	09/01/2014, 1400 PDT	<b>Registration:</b>	N67367
<b>Aircraft:</b>	CESSNA 152	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Hard landing	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

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## Analysis

The student pilot completed three takeoffs and landing with the certified flight instructor (CFI) on board, then took off for his first solo flight in the pattern. During the first landing, the airplane bounced twice and on the third touchdown, the nose gear collapsed and the airplane slid to a stop. The student pilot was not injured, but the airplane sustained substantial damage to the firewall. There were no reports of preimpact 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 student pilot's inadequate flare resulted in a hard landing.

## Findings

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### Aircraft

<b>Personnel issues</b>	Incorrect action performance - Student pilot (Cause)
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## Factual Information

### History of Flight

Landing-flare/touchdown	Abnormal runway contact Hard landing (Defining event)
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### Student Pilot Information

Certificate:	Student	Age:	28
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without Waivers/Limitations	Last Medical Exam:	10/12/2010
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	30 hours (Total, all aircraft), 30 hours (Total, this make and model), 11 hours (Last 90 days, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N67367
Model/Series:	152	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	15281784
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	07/23/2014, 100 Hour	Certified Max Gross Wt.:	1676 lbs
Time Since Last Inspection:	53 Hours	Engines:	1 Reciprocating
Airframe Total Time:	15952 Hours	Engine Manufacturer:	LYCOMING
ELT:	Not installed	Engine Model/Series:	O-235-L2C
Registered Owner:	NORTH COAST AIR INC	Rated Power:	110 hp
Operator:	NORTH COAST AIR INC	Air Carrier Operating Certificate:	None

## Meteorological Information and Flight Plan

Observation Facility, Elevation:	KSTS, 128 ft msl	Observation Time:	1418 PDT
Distance from Accident Site:	0 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	0°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	34° C / 10° C
Lowest Ceiling:		Visibility	10 Miles
Wind Speed/Gusts, Direction:	9 knots, 160°	Visibility (RVR):	
Altimeter Setting:	29.78 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Santa Rosa, CA (STS)	Type of Flight Plan Filed:	None
Destination:	Santa Rosa, CA (STS)	Type of Clearance:	None
Departure Time:	PDT	Type of Airspace:	

## Airport Information

Airport:	Santa Rosa (STS)	Runway Surface Type:	Concrete
Airport Elevation:	128 ft	Runway Surface Condition:	Dry
Runway Used:	20	IFR Approach:	None
Runway Length/Width:	4831 ft / 100 ft	VFR Approach/Landing:	Full Stop

## 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):	Howard D Plagens	Adopted Date:	04/07/2015
Additional Participating Persons:	David T Jensen; Federal Aviation Administration; Oakland, CA		
Publish Date:	04/07/2015		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=90099">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=90099</a>		

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