



National Transportation Safety Board Aviation Accident Data Summary

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|--------------------------------|---|-------------------------|------------|
| Location: | Santa Rosa, CA | Accident Number: | WPR14CA379 |
| Date & Time: | 09/01/2014, 1400 PDT | Registration: | N67367 |
| Aircraft: | CESSNA 152 | Injuries: | 1 None |
| Flight Conducted Under: | Part 91: General Aviation - Instructional | | |

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.

Flight Events

Landing-flare/touchdown - Abnormal runway contact
Landing-flare/touchdown - Hard landing

Probable Cause

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

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Landing flare-Incorrect use/operation - C
Personnel issues-Action/decision-Action-Incorrect action performance-Student/instructed pilot - C

Student Pilot Information

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|----------------------------------|--|------------------------------|------|
| Certificate: | Student | Age: | 28 |
| Airplane Rating(s): | None | Instrument Rating(s): | None |
| Other Aircraft Rating(s): | None | Instructor Rating(s): | None |
| 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

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|---|---|-----------------------------|-----------------|
| Aircraft Manufacturer: | CESSNA | Registration: | N67367 |
| Model/Series: | 152 | Engines: | 1 Reciprocating |
| Operator: | NORTH COAST AIR INC | Engine Manufacturer: | LYCOMING |
| Air Carrier Operating Certificate: | None | Engine Model/Series: | O-235-L2C |
| Flight Conducted Under: | Part 91: General Aviation - Instructional | | |

Meteorological Information and Flight Plan

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|---|----------------------------------|-------------------------------------|------------------------------|
| Observation Facility, Elevation: | KSTS, 128 ft msl | Weather Information Source: | Weather Observation Facility |
| Conditions at Accident Site: | Visual Conditions | Lowest Ceiling: | |
| Condition of Light: | Day | Wind Speed/Gusts, Direction: | 9 knots, 160° |
| Temperature: | 34° C / 10° C | Visibility | 10 Miles |
| Precipitation and Obscuration: | No Obscuration; No Precipitation | | |
| Departure Point: | Santa Rosa, CA (STS) | Destination: | Santa Rosa, CA (STS) |

Airport Information

| | | | |
|-----------------------------|------------------|----------------------------------|----------|
| Airport: | Santa Rosa (STS) | Runway Surface Type: | Concrete |
| Runway Used: | 20 | Runway Surface Condition: | Dry |
| Runway Length/Width: | 4831 ft / 100 ft | | |

Wreckage and Impact Information

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

Administrative Information

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|--------------------------------------|---|----------------------|------------|
| Investigator In Charge (IIC): | Howard D Plagens | Adopted Date: | 04/07/2015 |
| 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=90099 | | |

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.