



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Greenfield, IN	<b>Accident Number:</b>	CEN10CA289
<b>Date &amp; Time:</b>	06/01/2010, 1340 EDT	<b>Registration:</b>	N1448Z
<b>Aircraft:</b>	Cessna 172S	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Analysis

The pilot reported that she was practicing touch-and-go landings when the accident occurred. During her first touch-and-go, the airplane bounced after a hard landing. She attempted to correct for the bounced landing, but the airplane's nose landing gear impacted the runway before the main landing gear. The airplane stabilized onto all three landing gear and she proceeded with the next takeoff. No anomalies were experienced with the two subsequent landings. A postflight inspection of the airframe revealed substantial damage to the engine firewall and fuselage floor structure. The pilot reported that there were no preimpact mechanical malfunctions or failures that would have precluded normal operation of the airplane.

## Flight Events

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

## Probable Cause

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

## Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Landing flare-Incorrect use/operation - C  
Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	27
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Instrument Rating(s):</b>	None
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	95 hours (Total, all aircraft), 95 hours (Total, this make and model), 2 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

<b>Aircraft Manufacturer:</b>	Cessna	<b>Registration:</b>	N1448Z
<b>Model/Series:</b>	172S	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	DLRM, LLC.	<b>Engine Manufacturer:</b>	Lycoming
<b>Air Carrier Operating Certificate:</b>	None	<b>Engine Model/Series:</b>	IO-360-L2A
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Meteorological Information and Flight Plan

<b>Observation Facility, Elevation:</b>	KGEZ, 803 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Lowest Ceiling:</b>	None
<b>Condition of Light:</b>	Day	<b>Wind Speed/Gusts, Direction:</b>	Calm
<b>Temperature:</b>	26°C / 18°C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Greenfield, IN (KMQJ)	<b>Destination:</b>	Greenfield, IN (KMQJ)

## Airport Information

<b>Airport:</b>	Mount Comfort Airport (KMQJ)	<b>Runway Surface Type:</b>	Asphalt
<b>Runway Used:</b>	25	<b>Runway Surface Condition:</b>	Dry
<b>Runway Length/Width:</b>	5500 ft / 100 ft		

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	N/A	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Andrew T Fox	<b>Adopted Date:</b>	10/21/2010
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.		
<b>Investigation Docket:</b>	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=76196">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=76196</a>		

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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.