



# National Transportation Safety Board Aviation Accident Data Summary

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<b>Location:</b>	Alton, IL	<b>Accident Number:</b>	CHI07CA054
<b>Date &amp; Time:</b>	01/03/2007, 1251 CST	<b>Registration:</b>	N364MA
<b>Aircraft:</b>	Cessna 172S	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

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## Analysis

The student pilot reported that she was on her first solo flight and her first landing attempt when she flared "too early, bounced hard and ballooned." She said that she attempted to recover, but bounced a second time, and went off the left side of the runway as she aborted the landing. The airplane struck a runway sign, and sustained substantial damage.

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The student pilot's inadequate recovery from a bounced landing, which resulted in the airplane impacting a runway sign. A factor in the accident was the student pilot's misjudged landing flare.

## Findings

Occurrence #1: HARD LANDING  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings  
1. (F) FLARE - MISJUDGED - PILOT IN COMMAND  
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Occurrence #2: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings  
2. (C) RECOVERY FROM BOUNCED LANDING - INADEQUATE - PILOT IN COMMAND  
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Occurrence #3: IN FLIGHT COLLISION WITH OBJECT  
Phase of Operation: LANDING - ABORTED

Findings  
3. OBJECT - AIRPORT SIGN/MARKER  
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Occurrence #4: GEAR COLLAPSED  
Phase of Operation: LANDING

Findings

- 4. LANDING GEAR,MAIN GEAR STRUT - COLLAPSED
- 5. TERRAIN CONDITION - GROUND

### Student Pilot Information

<b>Certificate:</b>	Student	<b>Age:</b>	36
<b>Airplane Rating(s):</b>	None	<b>Instrument Rating(s):</b>	None
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	40 hours (Total, all aircraft), 40 hours (Total, this make and model), 1 hours (Pilot In Command, all aircraft), 35 hours (Last 90 days, all aircraft), 20 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N364MA
<b>Model/Series:</b>	172S	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	Langa Air Services	<b>Engine Manufacturer:</b>	Lycoming
<b>Operating Certificate(s) Held:</b>	None	<b>Engine Model/Series:</b>	IO-360-L2A
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

### Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	ALN, 544 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Lowest Ceiling:</b>	Broken / 15000 ft agl	<b>Wind Speed/Gusts, Direction:</b>	10 knots / , 180°
<b>Temperature:</b>	8° C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Alton, IL (ALN)	<b>Destination:</b>	Alton, IL (ALN)

### Airport Information

<b>Airport:</b>	St. Louis Regional Airport (ALN)	<b>Runway Surface Type:</b>	Asphalt
<b>Runway Used:</b>	17	<b>Runway Surface Condition:</b>	Dry
<b>Runway Length/Width:</b>	6500 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
<b>Latitude, Longitude:</b>	38.890278, -90.046111		

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Andrew T Fox	<b>Adopted Date:</b>	03/26/2007
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.		
<b>Investigation Docket:</b>	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 <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .		

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