



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Madison, MS	<b>Accident Number:</b>	MIA05CA065
<b>Date &amp; Time:</b>	03/02/2005, 1255 CST	<b>Registration:</b>	N212CF
<b>Aircraft:</b>	Cessna 172	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

## Analysis

The student pilot experienced a hard landing, and while she tried to taxi off the runway lost control of the aircraft and went on to the adjacent grass. The student pilot was on her third solo landing. According to the student pilot, during the landing flare the aircraft "ballooned" followed by the hard landing. The investigation revealed the airplane touched down twice on the runway during the landing. The examination of the aircraft revealed the firewall, and lower fuselage was damaged during the impact sequence.

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's improper landing flare which resulted in substantial damage during the subsequent hard landing.

## Findings

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

Findings  
1. (C) FLARE - IMPROPER - PILOT IN COMMAND

## Student Pilot Information

<b>Certificate:</b>	Student	<b>Age:</b>	50
<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>	68 hours (Total, all aircraft), 35 hours (Total, this make and model), 4 hours (Pilot In Command, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N212CF
<b>Model/Series:</b>	172	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	KEMS LLC	<b>Engine Manufacturer:</b>	Lycoming
<b>Operating Certificate(s) Held:</b>	None	<b>Engine Model/Series:</b>	10360L2A
<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>	GLH, 146 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Lowest Ceiling:</b>	Broken / 8000 ft agl	<b>Wind Speed/Gusts, Direction:</b>	5 knots / , 190°
<b>Temperature:</b>	8°C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	Madison, MS (KMBO)	<b>Destination:</b>	Madison, MS

## Airport Information

<b>Airport:</b>	Bruce Campbell Field Airport (KMBO)	<b>Runway Surface Type:</b>	Asphalt
<b>Runway Used:</b>	17	<b>Runway Surface Condition:</b>	Dry
<b>Runway Length/Width:</b>	4444 ft / 75 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>	32.434167, -90.105000		

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Jose Obregon	<b>Adopted Date:</b>	04/28/2005
<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 docket 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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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.