



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Nogales, AZ	<b>Accident Number:</b>	WPR10CA086
<b>Date &amp; Time:</b>	12/03/2009, 1100 MST	<b>Registration:</b>	N2085T
<b>Aircraft:</b>	PIPER PA-28R-200	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

## Analysis

The flight instructor said that he was giving an end-of-course stage check to the private licensed student, who was taking a commercial pilot course. The instructor said that the flight was normal and upon returning to the airport he requested to see a short-field landing. They landed in a nose-high attitude and there was "only a slight bump" when the aircraft's main wheels touched down. Two more landings were performed by the student, which completed the stage check. Four hours later the flight instructor took the same student out for another lesson. The airplane had not been flown during this 4-hour period. During the airplane's preflight examination, he found a large crack in the left wing's surface immediately above the landing gear attachment point. The flight instructor stated that the student did not make any hard landings during the first flight of the day. The student stated that she did not remember anything unusual about the flight.

## Flight Events

Landing-flare/touchdown - Hard landing

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The student's improper landing flare and the flight instructor's inadequate remedial action.

## Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Landing flare-Not attained/maintained - C

Personnel issues-Task performance-Use of equip/info-Aircraft control-Student pilot - C

Personnel issues-Action/decision-Action-Lack of action-Instructor/check pilot - C

## Flight Instructor Information

<b>Certificate:</b>	Flight Instructor; Commercial	<b>Age:</b>	30
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Instrument Rating(s):</b>	Airplane
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	Airplane Multi-engine; Airplane Single-engine
<b>Flight Time:</b>	2000 hours (Total, all aircraft), 470 hours (Total, this make and model), 1950 hours (Pilot In Command, all aircraft), 203 hours (Last 90 days, all aircraft), 49 hours (Last 30 days, all aircraft), 6 hours (Last 24 hours, all aircraft)		

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	18
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Instrument Rating(s):</b>	Airplane
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	229 hours (Total, all aircraft), 38 hours (Total, this make and model), 128 hours (Pilot In Command, all aircraft), 97 hours (Last 90 days, all aircraft), 20 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	PIPER	<b>Registration:</b>	N2085T
<b>Model/Series:</b>	PA-28R-200	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	Tiffin Aviation Service	<b>Engine Manufacturer:</b>	LYCOMING
<b>Air Carrier Operating Certificate:</b>	None	<b>Engine Model/Series:</b>	IO-360 SER
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

## Meteorological Information and Flight Plan

<b>Observation Facility, Elevation:</b>	OLS, 3955 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>	14°C / -2°C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>	No Precipitation		
<b>Departure Point:</b>	Nogales, AZ (OLS)	<b>Destination:</b>	Nogales, AZ (OLS)

## Airport Information

<b>Airport:</b>	Nogales International (OLS)	<b>Runway Surface Type:</b>	Asphalt
<b>Runway Used:</b>	21	<b>Runway Surface Condition:</b>	Dry
<b>Runway Length/Width:</b>	7199 ft / 100 ft		

## Wreckage and Impact Information

<b>Crew Injuries:</b>	2 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>	James F Struhsaker	<b>Adopted Date:</b>	03/23/2010
<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=75181">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=75181</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.