



# National Transportation Safety Board Aviation Accident Data Summary

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<b>Location:</b>	Birmingham, AL	<b>Accident Number:</b>	ATL06CA043
<b>Date &amp; Time:</b>	02/01/2006, 2045 CST	<b>Registration:</b>	N902NS
<b>Aircraft:</b>	Cessna 172P	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Positioning		

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## Analysis

The pilot stated that he entered the traffic pattern for runway 5 at Bessemer Airport, Bessemer, Alabama. "About 10 feet above the ground two deer came into the landing light from the left. I proceeded to go-around. As I started to pull up and climb, the left main gear contacted one of the deer. I continued the climb to a safe altitude and cleaned up the aircraft. I looked outside to inspect the left main gear to find it severely damaged." The pilot made the decision to divert to Birmingham International Airport, Birmingham, Alabama. The pilot was vectored for a visual approach to runway 36. The airplane was landed on the right main landing gear, and the pilot held the airplane off the ground as long as possible. The left wing and stabilizer contacted the runway, and the airplane went off the left side of the runway coming to a complete stop.

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: An in-flight collision with a deer during a go around, which resulted in damage to the left main landing gear and subsequent collapse of the left main landing gear.

## Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT  
Phase of Operation: GO-AROUND (VFR)

### Findings

1. (C) OBJECT - ANIMAL(S)
2. LANDING GEAR,MAIN GEAR - BENT

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Occurrence #2: GEAR COLLAPSED  
Phase of Operation: LANDING - ROLL

## Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	25
<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>	Airplane Single-engine
<b>Flight Time:</b>	628 hours (Total, all aircraft), 239 hours (Total, this make and model), 519 hours (Pilot In Command, all aircraft), 153 hours (Last 90 days, all aircraft), 88 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N902NS
<b>Model/Series:</b>	172P	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	Northern States Aviation, Inc.	<b>Engine Manufacturer:</b>	Lycoming
<b>Operating Certificate(s) Held:</b>	None	<b>Engine Model/Series:</b>	O-320-D2J
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Positioning		

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Condition of Light:</b>	Night/Dark
<b>Observation Facility, Elevation:</b>	KBHM, 644 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Lowest Ceiling:</b>	None	<b>Wind Speed/Gusts, Direction:</b>	4 knots / , 150°
<b>Temperature:</b>	12° C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Fayetteville, AR (KFYV)	<b>Destination:</b>	Bessemer, AL (KEY)

## Airport Information

<b>Airport:</b>	Birmingham International (KBHM)	<b>Runway Surface Type:</b>	Concrete
<b>Runway Used:</b>	36	<b>Runway Surface Condition:</b>	Dry
<b>Runway Length/Width:</b>	7100 ft / 150 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>	33.562778, -86.753333		

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Butch Wilson	<b>Adopted Date:</b>	05/30/2006
<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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