



National Transportation Safety Board Aviation Accident Final Report

Location:	Birmingham, AL	Accident Number:	ATL06CA043
Date & Time:	02/01/2006, 2045 CST	Registration:	N902NS
Aircraft:	Cessna 172P	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None

Flight Conducted Under: Part 91: General Aviation - Positioning

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 and Findings

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

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

Factual Information

Pilot Information

Certificate:	Commercial	Age:	25, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 2 With Waivers/Limitations	Last FAA Medical Exam:	09/01/2005
Occupational Pilot:		Last Flight Review or Equivalent:	09/01/2005
Flight Time:	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

Aircraft Make:	Cessna	Registration:	N902NS
Model/Series:	172P	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	172754415
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	08/01/2005, Annual	Certified Max Gross Wt.:	2400 lbs
Time Since Last Inspection:	206 Hours	Engines:	1 Reciprocating
Airframe Total Time:	5350 Hours as of last inspection	Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	O-320-D2J
Registered Owner:	Reliance Aviation, LLC	Rated Power:	160 hp
Operator:	Northern States Aviation, Inc.	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	KBHM, 644 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	2053 CST	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	150°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.92 inches Hg	Temperature/Dew Point:	12 °C / -1 °C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Fayetteville, AR (KFYV)	Type of Flight Plan Filed:	IFR
Destination:	Bessemer, AL (KEYY)	Type of Clearance:	IFR
Departure Time:	1745 MST	Type of Airspace:	

Airport Information

Airport:	Birmingham International (KBHM)	Runway Surface Type:	Concrete
Airport Elevation:	644 ft	Runway Surface Condition:	Dry
Runway Used:	36	IFR Approach:	None
Runway Length/Width:	7100 ft / 150 ft	VFR Approach/Landing:	Forced Landing

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	33.562778, -86.753333

Administrative Information

Investigator In Charge (IIC):	Butch Wilson	Report Date:	05/30/2006
Additional Participating Persons:	Clay Perkins; FSDO 09 Birmingham; Birmingham, AL		
Publish Date:			
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	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 pubinquiry@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).