



Aviation Investigation Final Report

Location:	Bloomington, Indiana	Accident Number:	CEN11CA561
Date & Time:	August 9, 2011, 19:00 Local	Registration:	N9281R
Aircraft:	Cessna TR182	Aircraft Damage:	Substantial
Defining Event:	Landing gear not configured	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that he was practicing takeoffs and landings in the traffic pattern when the accident occurred. He noted that he did not follow his normal routine, which was to lower the landing gear prior to extending the wing flaps while on downwind leg; instead he only extended the flaps. After extending the flaps, the pilot noticed that the airspeed was low. He subsequently became fixated on maintaining a sufficient airspeed and did not notice that the landing gear was not extended. Additionally, he did not complete a before landing checklist. The airplane touched down on the runway without the gear extended, resulting in substantial damage to the fuselage. The pilot noted that there were no failures or malfunctions associated with the airplane prior to the accident.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to extend the landing gear prior to landing.

Findings

Personnel issues	Forgotten action/omission - Pilot
Personnel issues	Use of checklist - Pilot

Factual Information

History of Flight

Landing	Landing gear not configured (Defining event)
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Pilot Information

Certificate:	Private	Age:	37, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without waivers/limitations	Last FAA Medical Exam:	April 30, 2007
Occupational Pilot:	No	Last Flight Review or Equivalent:	February 9, 2011
Flight Time:	312 hours (Total, all aircraft), 13 hours (Total, this make and model), 229 hours (Pilot In Command, all aircraft), 17 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N9281R
Model/Series:	TR182	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	R18200678
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	January 19, 2011 Annual	Certified Max Gross Wt.:	3100 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	3950 Hrs as of last inspection	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-540 SERIES
Registered Owner:	BMG AVIATION INC	Rated Power:	250 Horsepower
Operator:	BMG AVIATION INC	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	BMG,846 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	18:50 Local	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	290°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.72 inches Hg	Temperature/Dew Point:	29°C / 19°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Bloomington, IN (BMG)	Type of Flight Plan Filed:	None
Destination:	Bloomington, IN (BMG)	Type of Clearance:	None
Departure Time:	18:15 Local	Type of Airspace:	

Airport Information

Airport:	Monroe County BMG	Runway Surface Type:	Asphalt
Airport Elevation:	846 ft msl	Runway Surface Condition:	Dry
Runway Used:	35	IFR Approach:	None
Runway Length/Width:	6500 ft / 150 ft	VFR Approach/Landing:	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	39.14611,-86.616668(est)

Administrative Information

Investigator In Charge (IIC):	Sorensen, Timothy
Additional Participating Persons:	Steven A Burnham; FAA-Indianapolis Flight Standards; Plainfield, IN
Original Publish Date:	October 17, 2011
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=81452

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