



National Transportation Safety Board Aviation Accident Data Summary

Location:	Salem, IN	Accident Number:	CEN09CA244
Date & Time:	04/01/2009, 1850 EDT	Registration:	N115MS
Aircraft:	MOONEY M20J	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot was practicing takeoff and landings when he extended the landing gear and heard the landing gear motor start while the airplane was on the downwind leg to the runway. The pilot noticed that the landing gear was not down during the landing flare. The airplane touched down on the runway with the landing gear retracted, and the airplane skidded about 500 feet before coming to a stop. The airplane received substantial damage when the airplane's firewall and underside skin were damaged. During the airplane's recovery, the landing gear control handle was placed into the down position and the landing gear extended when the master switch was placed into the on position. Postaccident inspection of the airplane revealed no anomalies.

Flight Events

Landing - Landing gear not configured

Landing-flare/touchdown - Collision with terr/obj (non-CFIT)

Probable Cause

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

Findings

Aircraft-Aircraft systems-Landing gear system-Gear extension and retract sys-Not used/operated - C
Personnel issues-Task performance-Use of equip/info-Use of checklist-Pilot - C
Personnel issues-Action/decision-Action-Forgotten action/omission-Pilot - C

Pilot Information

Certificate:	Private	Age:	58
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	3000 hours (Total, all aircraft), 550 hours (Total, this make and model), 3 hours (Last 90 days, all aircraft), 3 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	MOONEY	Registration:	N115MS
Model/Series:	M20J	Engines:	1 Reciprocating
Operator:	Pilot	Engine Manufacturer:	Textron Lycoming
Air Carrier Operating Certificate:	None	Engine Model/Series:	IO-360-A3B6D
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:		Weather Information Source:	Pilot
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	
Condition of Light:	Dusk	Wind Speed/Gusts, Direction:	
Temperature:		Visibility:	
Precipitation and Obscuration:			
Departure Point:	Salem, IN (I83)	Destination:	Salem, IN (I83)

Airport Information

Airport:	Salem Municipal Airport (I83)	Runway Surface Type:	Asphalt
Runway Used:	10	Runway Surface Condition:	Dry
Runway Length/Width:	2738 ft / 50 ft		

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

Administrative Information

Investigator In Charge (IIC):	Mitchell F Gallo	Adopted Date:	06/11/2009
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 pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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