



National Transportation Safety Board Aviation Accident Data Summary

Location:	Augusta, GA	Accident Number:	ATL06CA116
Date & Time:	08/03/2006, 0830 EDT	Registration:	N20965
Aircraft:	Cessna 172M	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The student pilot was observed to start his landing flare at 50 feet above the runway. The airplane made a hard landing. The student pilot stopped the airplane and completed an engine shutdown. The airplane was towed to the parking ramp. Examination of the airplane revealed the engine firewall and cockpit floor was buckled.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's improper flare on landing with excessive altitude resulting in a hard landing.

Findings

Occurrence #1: HARD LANDING

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. ALTITUDE - EXCESSIVE - PILOT IN COMMAND
2. (C) FLARE - IMPROPER - PILOT IN COMMAND

Student Pilot Information

Certificate:	Student	Age:	25
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	20 hours (Total, all aircraft), 28 hours (Total, this make and model), 1 hours (Pilot In Command, all aircraft), 20 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N20965
Model/Series:	172M	Engines:	1 Reciprocating
Operator:	Mc Air Aviation Services Inc.	Engine Manufacturer:	Lycoming
Operating Certificate(s) Held:	None	Engine Model/Series:	O-320-D2G
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KAGS, 144 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None	Wind Speed/Gusts, Direction:	Calm / ,
Temperature:	26 °C	Visibility	3 Miles
Precipitation and Obscuration:			
Departure Point:	Augusta, GA (KAGS)	Destination:	(KAGS)

Airport Information

Airport:	Augusta Regional-Bush Field (KAGS)	Runway Surface Type:	Asphalt
Runway Used:	17	Runway Surface Condition:	Dry
Runway Length/Width:	8001 ft / 150 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
Latitude, Longitude:	33.369722, -81.964444		

Administrative Information

Investigator In Charge (IIC):	Carrol A Smith	Adopted Date:	12/28/2006
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	NTSB accident and incident docket 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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