



National Transportation Safety Board Aviation Accident Factual Report

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

On August 3, 2006, at 0830 eastern daylight time a Cessna 172M, N20965, registered to a private owner, operated by Mc Air Aviation Services Inc., as a 14 CFR Part 91 instructional flight, landed hard on runway 17 at Augusta Regional-Bush Field, Augusta, Georgia. Visual meteorological conditions prevailed and no flight plan was filed. The airplane received substantial damage. The student pilot reported no injuries. The flight originated from Augusta, Georgia, on August 3, 2006, at 0825.

A witness stated he observed the pilot depart from runway 17 and remained in left closed traffic. The airplane was observed to start a landing flare at 50 feet. 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.

Student Pilot Information

Certificate:	Student	Age:	25, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without Waivers/Limitations	Last FAA Medical Exam:	10/01/2005
Occupational Pilot:		Last Flight Review or Equivalent:	
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	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	17263883
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	04/01/2006, 100 Hour	Certified Max Gross Wt.:	2300 lbs
Time Since Last Inspection:	62 Hours	Engines:	1 Reciprocating
Airframe Total Time:	8800 Hours at time of accident	Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	O-320-D2G
Registered Owner:	James P. McMakin	Rated Power:	160 hp
Operator:	Mc Air Aviation Services Inc.	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KAGS, 144 ft msl	Distance from Accident Site:	
Observation Time:	0753 EDT	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	3 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	26 °C / 22 °C
Precipitation and Obscuration:			
Departure Point:	Augusta, GA (KAGS)	Type of Flight Plan Filed:	None
Destination:	(KAGS)	Type of Clearance:	None
Departure Time:	EDT	Type of Airspace:	

Airport Information

Airport:	Augusta Regional-Bush Field (KAGS)	Runway Surface Type:	Asphalt
Airport Elevation:	144 ft	Runway Surface Condition:	Dry
Runway Used:	17	IFR Approach:	None
Runway Length/Width:	8001 ft / 150 ft	VFR Approach/Landing:	Traffic Pattern

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:	33.369722, -81.964444

Administrative Information

Investigator In Charge (IIC):	Carrol A Smith
Additional Participating Persons:	Daniel Egy; College Park FSDO-11
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/ .