



National Transportation Safety Board Aviation Accident Factual Report

Location:	Daytona Beach, FL	Accident Number:	MIA06CA014
Date & Time:	11/01/2005, 1136 EST	Registration:	N442ER
Aircraft:	Cessna 172S	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None

Flight Conducted Under: Part 91: General Aviation - Instructional

On November 1, 2005, about 1136 eastern standard time, a Cessna 172S, N442ER, registered to General Electric Finance Corporation and operated by Embry Riddle Aeronautical University, experienced a hard landing at Daytona Beach International Airport, Daytona Beach, FL, Visual meteorological conditions prevailed at the time and no flight plan was filed for the 14 CFR Part 91 instructional flight from Melbourne International Airport, Melbourne, FL. The airplane was substantially damaged and the student pilot was not injured. The flight originated about 1030 from Melbourne, FL.

The pilot stated that he did not apply adequate back pressure to the control yoke during the landing flare, and because of this, "I bounced very roughly." He further stated that he executed a go-around after the hard landing, flew another traffic pattern, and landed without further incident. Postflight examination of the airplane revealed damage to the firewall. The pilot stated that prior to the hard landing there had been no mechanical failures or malfunctions to the airplane or any of its systems.

Pilot Information

Certificate:	Student	Age:	19, Male
Airplane Rating(s):	None	Seat Occupied:	
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	
Instructor Rating(s):		Toxicology Performed:	
Medical Certification:	Class 1	Last FAA Medical Exam:	09/01/2004
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	32 hours (Total, all aircraft), 29 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N442ER
Model/Series:	172S	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	17258936
Landing Gear Type:	Tricycle	Seats:	
Date/Type of Last Inspection:		Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Lycoming
ELT:		Engine Model/Series:	IO-360-L2A
Registered Owner:	General Electric Finance Corporation	Rated Power:	
Operator:	EMBRY RIDDLE AERONAUTICAL UNIVERSITY	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	NX4S

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:		Visibility	
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	
Precipitation and Obscuration:			
Departure Point:	Melbourne, FL (KMLB)	Type of Flight Plan Filed:	None
Destination:	Daytona Beach, FL (KDAB)	Type of Clearance:	None
Departure Time:		Type of Airspace:	

Airport Information

Airport:	Daytona Beach International (KDAB)	Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:	7R	IFR Approach:	Visual
Runway Length/Width:		VFR Approach/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:	
Total Injuries:	1 None	Latitude, Longitude:	29.180000, -81.058056

Administrative Information

Investigator In Charge (IIC):	John W Lovell
Additional Participating Persons:	
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/ .