



National Transportation Safety Board Aviation Accident Data Summary

Location:	Farmingdale, NY	Accident Number:	ERA12CA569
Date & Time:	09/01/2012, 1130 EDT	Registration:	N2409E
Aircraft:	CESSNA 172S	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The student pilot was landing at the destination airport at the conclusion of a solo cross-country flight. He stated that he flared the airplane too high, resulting in a hard landing and propeller strike. A postaccident examination revealed substantial damage to the engine firewall and buckling of the lower fuselage. The pilot reported there were no mechanical malfunctions or anomalies that would have precluded normal operation.

Flight Events

Landing-flare/touchdown - Hard landing

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The student pilot's improper landing flare, which resulted in a hard landing.

Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Landing flare-Not attained/maintained - C

Personnel issues-Action/decision-Action-Incorrect action performance-Student pilot - C

Student Pilot Information

Certificate:	Student	Age:	51
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	55 hours (Total, all aircraft), 55 hours (Total, this make and model), 6 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N2409E
Model/Series:	172S	Engines:	1 Reciprocating
Operator:	Academy of Aviation	Engine Manufacturer:	LYCOMING
Air Carrier Operating Certificate:	None	Engine Model/Series:	IO-360-L2A
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	FRG, 80 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	
Condition of Light:	Day	Wind Speed/Gusts, Direction:	4 knots, Variable
Temperature:	29° C / 19° C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Bridgeport, CT (BDR)	Destination:	Farmingdale, NY (FRG)

Airport Information

Airport:	Republic Airport (FRG)	Runway Surface Type:	Asphalt
Runway Used:	32	Runway Surface Condition:	Dry
Runway Length/Width:	6833 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

Administrative Information

Investigator In Charge (IIC):	Allison N Violette	Adopted Date:	12/11/2012
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=85088		

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