



National Transportation Safety Board Aviation Accident Data Summary

Location:	Centennial, CO	Accident Number:	CEN10CA366
Date & Time:	07/02/2010, 1341 PDT	Registration:	N80HY
Aircraft:	AVIAT AIRCRAFT INC A-1B	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The certified flight instructor (CFI) and private pilot student were conducting tailwheel certification training. During the third flight of the day, after practicing 3-point landings, the student pilot was performing an additional 3-point landing after having just practiced main wheel landings. The CFI described the pattern and approach as being normal. During the roll out and while slowing the airplane down, it began to drift left. The CFI called for right rudder and the airplane began drifting right of centerline. After calling for left rudder the CFI attempted to regain control using rudder and power. The airplane entered a violent turn to the left, exited the runway, and flipped over going down an embankment. The right wing spar and horizontal stabilizer were bent.

Flight Events

Landing-landing roll - Loss of control on ground
Landing-landing roll - Attempted remediation/recovery
Landing-landing roll - Runway excursion

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
The student pilot's failure to maintain directional control and the certified flight instructor's delay in remedial action.

Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Directional control-Not attained/maintained - C
Personnel issues-Action/decision-Action-Delayed action-Instructor/check pilot - C

Flight Instructor Information

Certificate:	Flight Instructor; Commercial	Age:	69
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine
Flight Time:	21000 hours (Total, all aircraft), 300 hours (Total, this make and model), 70 hours (Last 90 days, all aircraft), 21 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	AVIAT AIRCRAFT INC	Registration:	N80HY
Model/Series:	A-1B	Engines:	1 Reciprocating
Operator:	Steven McFarland`	Engine Manufacturer:	LYCOMING
Air Carrier Operating Certificate:	None	Engine Model/Series:	O-360 SERIES
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:		Weather Information Source:	Unknown
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	5 knots/ 8 knots, Variable
Temperature:		Visibility:	
Precipitation and Obscuration:			
Departure Point:	Centennial, CO (APA)	Destination:	Centennial, CO (APA)

Airport Information

Airport:	Centennial Airport (APA)	Runway Surface Type:	Concrete
Runway Used:	35L	Runway Surface Condition:	
Runway Length/Width:			

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	

Administrative Information

Investigator In Charge (IIC):	Daniel Baker	Adopted Date:	10/21/2010
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=76514		

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