



Aviation Investigation Final Report

Location:	Spanish Fork, Utah	Accident Number:	WPR11CA099
Date & Time:	January 13, 2011, 19:51 Local	Registration:	N376DC
Aircraft:	Diamond DA20C1	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot stated that the approach and landing were uneventful through touchdown. He landed on the center of the runway, but the airplane started to drift to the left. He added right rudder with some brake pressure, which slowed the drift to the left, but did not completely stop it. He continued these inputs, but the left main tire caught a snow bank. After traveling a few hundred feet, the airplane spun 90 degrees into the snowbank. The operator reported that there were left tire skid marks as the airplane exited the runway, and opined that either the pilot or passenger had their foot on the left brake pedal. The operator issued a new caution to all of its instructors and pilots regarding the use of brakes on touchdown and rollout and reminded them to brief all front seat passengers to keep their feet off the rudder and brake pedals.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to maintain directional control during landing.

Findings

Aircraft	Directional control - Not attained/maintained
Personnel issues	Aircraft control - Pilot

Factual Information

History of Flight

Landing-landing roll	Loss of control on ground (Defining event)
Landing-landing roll	Runway excursion

Pilot Information

Certificate:	Private	Age:	43,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
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:	August 20, 2009
Occupational Pilot:	No	Last Flight Review or Equivalent:	October 22, 2010
Flight Time:	92 hours (Total, all aircraft), 892 hours (Total, this make and model), 25 hours (Pilot In Command, all aircraft), 23 hours (Last 90 days, all aircraft), 9 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Diamond	Registration:	N376DC
Model/Series:	DA20C1	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	C0376
Landing Gear Type:	Retractable - Tricycle	Seats:	2
Date/Type of Last Inspection:	November 20, 2010 Annual	Certified Max Gross Wt.:	1770 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	2237 Hrs as of last inspection	Engine Manufacturer:	Teledyne Continental motors
ELT:	Installed, not activated	Engine Model/Series:	IO-240-B
Registered Owner:	Allairus LLC	Rated Power:	125 Horsepower
Operator:	American Flight Center	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Night
Observation Facility, Elevation:	KPVU	Distance from Accident Site:	
Observation Time:	19:46 Local	Direction from Accident Site:	
Lowest Cloud Condition:		Visibility	10 miles
Lowest Ceiling:	Broken / 3600 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	5 knots / None	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	-1°C / -4°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Moab, UT (CNY)	Type of Flight Plan Filed:	None
Destination:	Spanish Fork, UT (U77)	Type of Clearance:	None
Departure Time:	17:45 Local	Type of Airspace:	

Airport Information

Airport:	Spanish Fork U77	Runway Surface Type:	Asphalt
Airport Elevation:		Runway Surface Condition:	Dry
Runway Used:	12	IFR Approach:	None
Runway Length/Width:	5700 ft / 100 ft	VFR Approach/Landing:	Full stop

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	40.141666,-111.661392(est)

Administrative Information

Investigator In Charge (IIC):	Plagens, Howard
Additional Participating Persons:	Bernie Connolly; FAA FSDO; Salt Lake City, UT
Original Publish Date:	May 26, 2011
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=78160

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