



National Transportation Safety Board Aviation Accident Data Summary

Location:	Eastsound, WA	Accident Number:	WPR11CA118
Date & Time:	02/01/2011, 1055 PST	Registration:	N2718R
Aircraft:	CESSNA 182	Injuries:	1 Serious
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot pulled the airplane out of the unheated hangar on a chilly morning and used the propeller to rotate the engine several times. He set the parking brake, and started the airplane with the starter, but then the engine stopped. The battery did not have sufficient charge to start the engine, so he decided to hand-prop the engine. He primed it, left the parking brake on, set the throttle to idle, turned the master switch and magneto switches on, and spun the propeller. The engine started but did not remain running. He started it again by hand propping. He advanced the throttle to keep it running, but again it did not remain running. He applied carburetor heat, but did not reduce the throttle setting. He hand-propped the engine once again and it went to a high rpm setting, and then the airplane began moving forward. The pilot reached in to try to retard the throttle, but was unsuccessful. He fell and hit his face on the landing gear footstep, which fractured his right cheekbone and caused deep lacerations above his right eye. The airplane continued to move until it collided with a hangar, with both wings sustaining substantial damage.

Flight Events

Standing-engine(s) start-up - Ground handling event
Standing-engine(s) start-up - Loss of control on ground

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
The pilot's failure to properly secure the airplane prior to rotating the propeller by hand, resulting in inadvertent movement of the airplane and collision with a building.

Findings

Aircraft-Aircraft handling/service-Parking/securing-Tie-down/mooring-Incorrect use/operation - C
Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C

Pilot Information

Certificate:	Commercial	Age:	72
Airplane Rating(s):	Single-engine Land; Single-engine Sea	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	2738 hours (Total, all aircraft), 866 hours (Total, this make and model), 2555 hours (Pilot In Command, all aircraft), 6 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N2718R
Model/Series:	182 K	Engines:	1 Reciprocating
Operator:	Blinn Family Trust	Engine Manufacturer:	Teledyne Continental Motors
Air Carrier Operating Certificate:	None	Engine Model/Series:	O-470-R
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KORS, 31 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	3 knots, 40°
Temperature:	2°C / -4°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Eastsound, WA (ORS)	Destination:	Eastsound, WA (ORS)

Airport Information

Airport:	Orcas Island (ORS)	Runway Surface Type:	Asphalt
Runway Used:	34	Runway Surface Condition:	Dry
Runway Length/Width:	2900 ft / 60 ft		

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Administrative Information

Investigator In Charge (IIC):	Howard D Plagens	Adopted Date:	06/08/2011
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=78258		

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