



National Transportation Safety Board Aviation Accident Data Summary

Location:	Broomfield, CO	Accident Number:	CEN18LA180
Date & Time:	05/16/2018, 1520 MDT	Registration:	N4EJ
Aircraft:	Roger G White Glasair	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The airline transport pilot reported that, during the landing roll, the experimental, amateur-built airplane started drifting to the left and he applied right rudder to correct. He subsequently attempted to apply right brake pressure to further correct for the drift as the airplane was traveling about 50 knots. At that time, the right brake pedal "went to the floor," and there was "zero" right brake available. The airplane departed the left side of the runway, crossed the grass, and came to rest on the parallel taxiway.

A postrecovery examination revealed that the plastic right brake line was broken near the upper end of the landing gear strut. The airplane was equipped with a free-castering nosewheel and did not have any nosewheel steering capability. Directional control during ground operations was maintained with differential braking. As a result, maintaining directional control after the brake failure was not possible.

Flight Events

Landing-landing roll - Sys/Comp malf/fail (non-power)
Landing-landing roll - Loss of control on ground
Landing-landing roll - Runway excursion

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The failure of the right brake line, which resulted in a loss of directional control and runway excursion.

Findings

Aircraft-Aircraft systems-Landing gear system-Landing gear brakes system-Failure - C
Aircraft-Aircraft systems-Landing gear system-Brake-Inoperative - C

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Directional control-
Attain/maintain not possible - C

Pilot Information

Certificate:	Airline Transport; Flight Instructor	Age:	81
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	Glider	Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine; Glider; Instrument Airplane
Flight Time:	14800 hours (Total, all aircraft), 250 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	Roger G White	Registration:	N4EJ
Model/Series:	Glaser FT	Engines:	1 Reciprocating
Operator:	On file	Engine Manufacturer:	Lycoming
Operating Certificate(s) Held:	None	Engine Model/Series:	O-360-A3A
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	BJC, 5673 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None	Wind Speed/Gusts, Direction:	7 knots / , 120°
Temperature:	27° C	Visibility	50 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Longmont, CO (LMO)	Destination:	Broomfield, CO (BJC)

Airport Information

Airport:	Rocky Mountain Muni (BJC)	Runway Surface Type:	Asphalt
Runway Used:	12L	Runway Surface Condition:	Dry
Runway Length/Width:	9000 ft / 100 ft		

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:	39.908889, -105.117222 (est)		

Administrative Information

Investigator In Charge (IIC): Timothy Sorensen Adopted Date: 03/18/2019

Note: The NTSB did not travel to the scene of this accident.

Investigation Docket: <http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=97274>

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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