



Aviation Investigation Final Report

Location:	Longmont, Colorado	Accident Number:	CEN21LA236
Date & Time:	May 24, 2021, 10:45 Local	Registration:	N752T
Aircraft:	BERRY TX-11C	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that, during the landing roll in the experimental amateur built airplane, the heel of his shoe became caught on a protruding floorboard bolt and the airplane veered to the left. The airplane exited the left side of the runway, impacted a Visual Approach Slope Indicator light, nosed over, and came to rest upside down. The airplane sustained substantial damage to the rudder. The pilot reported that there were no mechanical failures or malfunctions with the airplane that precluded normal operation.

Probable Cause and Findings

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

The pilot's loss of directional control when his foot became stuck on a protruding bolt in the airplane's floorboard.

Findings

Personnel issues	Aircraft control - Pilot
Aircraft	Directional control - Not attained/maintained
Aircraft	Equip attach fittings (on fus) - Design
Aircraft	Floor panels (aux fuselage) - Design

Factual Information

History of Flight

Landing-landing roll	Loss of control on ground (Defining event)
Landing-landing roll	Runway excursion
Landing-landing roll	Nose over/nose down

Pilot Information

Certificate:	Commercial	Age:	68,Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	4-point
Instrument Rating(s):	Airplane	Second Pilot Present:	
Instructor Rating(s):	None	Toxicology Performed:	
Medical Certification:	BasicMed Unknown	Last FAA Medical Exam:	October 11, 2020
Occupational Pilot:	No	Last Flight Review or Equivalent:	August 14, 2020
Flight Time:	2330 hours (Total, all aircraft), 43 hours (Total, this make and model), 2100 hours (Pilot In Command, all aircraft), 6 hours (Last 90 days, all aircraft), 3 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BERRY	Registration:	N752T
Model/Series:	TX-11C	Aircraft Category:	Airplane
Year of Manufacture:	2012	Amateur Built:	Yes
Airworthiness Certificate:	Experimental (Special)	Serial Number:	1015
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	October 31, 2020 Condition	Certified Max Gross Wt.:	1370 lbs
Time Since Last Inspection:	155 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	170 Hrs at time of accident	Engine Manufacturer:	Continental Motors
ELT:	Installed, not activated	Engine Model/Series:	0-200 SERIES
Registered Owner:		Rated Power:	100 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KLMO, 5056 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	10:55 Local	Direction from Accident Site:	315°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	None / None
Wind Direction:		Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.07 inches Hg	Temperature/Dew Point:	17°C / 6°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Longmont, CO	Type of Flight Plan Filed:	None
Destination:	Longmont, CO	Type of Clearance:	None
Departure Time:		Type of Airspace:	

Airport Information

Airport:	Vance Brand Airport LMO	Runway Surface Type:	Concrete
Airport Elevation:	80503 ft msl	Runway Surface Condition:	Dry
Runway Used:	29	IFR Approach:	None
Runway Length/Width:	4799 ft / 75 ft	VFR Approach/Landing:	Touch and go

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:		Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	40.16438,-105.16363

Administrative Information

Investigator In Charge (IIC):	Link, Samantha		
Additional Participating Persons:	Joseph Chavez; Federal Aviation Administration; Denver, CO		
Original Publish Date:	October 19, 2021	Investigation Class:	4
Note:	The NTSB did not travel to the scene of this accident.		
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=103155		

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.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).