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:	On file	**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:	5055 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
Last Revision Date:	
Investigation Class:	Class 4
Note:	The NTSB did not travel to the scene of this accident.
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=103155