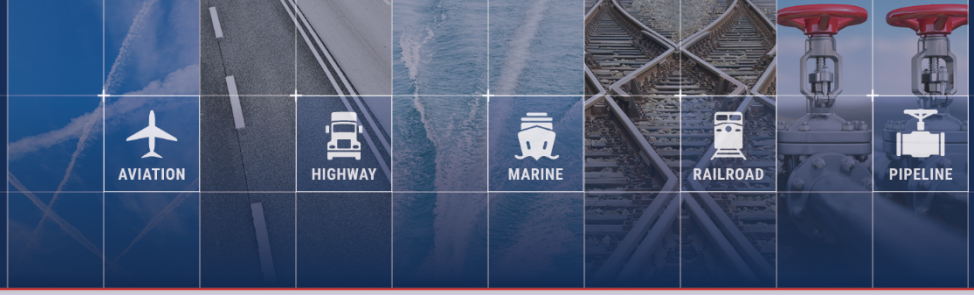

Aviation Investigation Final Report

Location:	Cedar City, Utah	**Accident Number:**	WPR21LA031
Date & Time:	October 29, 2020, 12:49 Local	**Registration:**	N768P
Aircraft:	Pearson Starduster	**Aircraft Damage:**	Substantial
Defining Event:	Loss of control on ground	**Injuries:**	1 None
Flight Conducted Under:	Part 91: General aviation - Positioning		

Analysis

The pilot of the tailwheel-equipped airplane reported that, shortly after touch down, he lost directional effectiveness and the airplane veered right. The pilot applied full left rudder input, but the airplane exited the runway, and nosed over. The rudder was substantially damaged.

The pilot reported “Maybe” as to if there was a mechanical malfunction with the airplane and stated to “pay attention for seized main wheel bearings. The interconnect spring between the rudder pedals.” The pilot reported to an FAA inspector that he had visually looked at the interconnect spring 3 days before the accident flight and reported no anomalies. The pilot did not respond to further inquiries after the accident.

Probable Cause and Findings

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

A loss of directional control for reasons that were not determined due to lack of available evidence.

Findings

Aircraft	Directional control - Not attained/maintained
Not determined	(general) - Unknown/Not determined

Factual Information

History of Flight

Landing-flare/touchdown	Loss of control on ground (Defining event)

Pilot Information

Certificate:	Airline transport; Commercial	**Age:**	67,Male
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land	**Seat Occupied:**	Rear
Other Aircraft Rating(s):	None	**Restraint Used:**	
Instrument Rating(s):	Airplane	**Second Pilot Present:**	No
Instructor Rating(s):	None	**Toxicology Performed:**	
Medical Certification:	Class 1 Without waivers/limitations	**Last FAA Medical Exam:**	February 19, 2020
Occupational Pilot:	No	**Last Flight Review or Equivalent:**	
Flight Time:	(Estimated) 5507 hours (Total, all aircraft), 49 hours (Total, this make and model), 3736 hours (Pilot In Command, all aircraft), 4815 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Pearson	**Registration:**	N768P
Model/Series:	Starduster SA-300	**Aircraft Category:**	Airplane
Year of Manufacture:	1977	**Amateur Built:**	Yes
Airworthiness Certificate:	Aerobatic	**Serial Number:**	191
Landing Gear Type:	Tailwheel	**Seats:**	2
Date/Type of Last Inspection:	February 4, 2020 Condition	**Certified Max Gross Wt.:**	1704 lbs
Time Since Last Inspection:	7.6 Hrs	**Engines:**	1 Reciprocating
Airframe Total Time:	440.5 Hrs as of last inspection	**Engine Manufacturer:**	Lycoming
ELT:	Installed, not activated	**Engine Model/Series:**	O-435-1
Registered Owner:	On file	**Rated Power:**	175 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:	KCDC,5618 ft msl	**Distance from Accident Site:**	1 Nautical Miles
Observation Time:	12:53 Local	**Direction from Accident Site:**	26°
Lowest Cloud Condition:		**Visibility**	10 miles
Lowest Ceiling:		**Visibility (RVR):**	
Wind Speed/Gusts:	3 knots /	**Turbulence Type Forecast/Actual:**	None / None
Wind Direction:	350°	**Turbulence Severity Forecast/Actual:**	N/A / N/A
Altimeter Setting:	30.32 inches Hg	**Temperature/Dew Point:**	14°C / -8°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Boulder City, NV (KBVU)	**Type of Flight Plan Filed:**	VFR
Destination:	Cedar City, UT	**Type of Clearance:**	VFR
Departure Time:	11:19 Local	**Type of Airspace:**	Class E

Airport Information

Airport:	Cedar City Regional Airport CDC	**Runway Surface Type:**	Asphalt
Airport Elevation:	5621 ft msl	**Runway Surface Condition:**	Dry
Runway Used:	26	**IFR Approach:**	None
Runway Length/Width:	4822 ft / 60 ft	**VFR Approach/Landing:**	Straight-in;Traffic pattern

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:**	37.700972,-113.09886(est)

Administrative Information

Investigator In Charge (IIC):	Nepomuceno, Eleazar
Additional Participating Persons:	
Original Publish Date:	August 20, 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=102217