



Aviation Investigation Final Report

Location:	South Lake Tahoe, California	Accident Number:	GAA18CA209
Date & Time:	April 9, 2018, 16:45 Local	Registration:	N1832
Aircraft:	CESSNA ECTOR 305A	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

According to the flight instructor in the tailwheel-equipped airplane, the pilot receiving instruction was on the flight controls during the landing roll. Near the end of the roll, the tail began to swerve, and the airplane ground looped to the right. The airplane exited the right side of the runway, and the left wing struck the ground.

The airplane sustained substantial damage to the left-wing spar and aileron.

The pilots reported that there were no mechanical malfunctions or failures with the airplane that would have precluded normal operation.

Probable Cause and Findings

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

The pilot receiving instruction's failure to maintain directional control during the landing roll.

Findings

Personnel issues	Aircraft control - Student/instructed pilot
Aircraft	Directional control - Not attained/maintained

Factual Information

History of Flight

Landing-landing roll	Loss of control on ground (Defining event)
Landing-landing roll	Runway excursion

Flight instructor Information

Certificate:	Airline transport; Flight instructor	Age:	64, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Rear
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane multi-engine; Airplane single-engine; Instrument airplane	Toxicology Performed:	No
Medical Certification:	BasicMed Without waivers/limitations	Last FAA Medical Exam:	January 18, 2018
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	February 6, 2018
Flight Time:	(Estimated) 8074.8 hours (Total, all aircraft), 62 hours (Total, this make and model), 7936.1 hours (Pilot In Command, all aircraft), 34.9 hours (Last 90 days, all aircraft), 35 hours (Last 30 days, all aircraft)		

Pilot Information

Certificate:	Private	Age:	74, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	None	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	April 1, 2018
Occupational Pilot:	No	Last Flight Review or Equivalent:	August 27, 2017
Flight Time:	(Estimated) 435.1 hours (Total, all aircraft), 32 hours (Total, this make and model), 279.6 hours (Pilot In Command, all aircraft), 52.2 hours (Last 90 days, all aircraft), 35 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA ECTOR	Registration:	N1832
Model/Series:	305A NO SERIES	Aircraft Category:	Airplane
Year of Manufacture:	1964	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	2004
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	September 1, 2017 Annual	Certified Max Gross Wt.:	2300 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	9262.2 Hrs at time of accident	Engine Manufacturer:	Continental
ELT:	C91 installed, activated, did not aid in locating accident	Engine Model/Series:	O-470
Registered Owner:	On file	Rated Power:	225 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:	KTVL,6314 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	23:53 Local	Direction from Accident Site:	3°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	30°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.19 inches Hg	Temperature/Dew Point:	18°C / -1°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	South Lake Tahoe, CA (TVL)	Type of Flight Plan Filed:	None
Destination:	South Lake Tahoe, CA (TVL)	Type of Clearance:	None
Departure Time:	12:30 Local	Type of Airspace:	Class E

Airport Information

Airport:	LAKE TAHOE TVL	Runway Surface Type:	Asphalt
Airport Elevation:	6268 ft msl	Runway Surface Condition:	Dry
Runway Used:	18	IFR Approach:	None
Runway Length/Width:	8541 ft / 100 ft	VFR Approach/Landing:	Touch and go;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	38.89389,-119.995277(est)

Administrative Information

Investigator In Charge (IIC):	Hicks, Michael
Additional Participating Persons:	Jim Richardson; FAA; Reno, NV
Original Publish Date:	October 24, 2018
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=97014

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