



Aviation Investigation Final Report

Location:	North Las Vegas, Nevada	Accident Number:	WPR23LA155
Date & Time:	April 14, 2023, 17:00 Local	Registration:	N734NJ
Aircraft:	Cessna 172N	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

The Certified Flight Instructor reported that, while practicing stop-and-go landings with his student, the airplane touched down hard and immediately veered left. The pilot attempted to correct with opposite rudder; however, the airplane continued off the runway and hit a taxiway sign with the left wing and landing gear struts. The airplane sustained substantial damage to the left-wing strut. The pilot reported to the duty officer that there were no preimpact mechanical malfunctions or failures 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's failure to maintain directional control of the airplane during the landing roll resulting in collision with taxiway sign.

Findings

Personnel issues	Aircraft control - Student/instructed pilot
Environmental issues	Sign/marker - Contributed to outcome
Aircraft	Directional control - Not attained/maintained

Factual Information

History of Flight

Landing-landing roll	Loss of control on ground (Defining event)
Landing-landing roll	Attempted remediation/recovery
Landing-landing roll	Ground collision

Pilot Information

Certificate:	Commercial; Flight instructor	Age:	35,Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	Airplane	Second Pilot Present:	
Instructor Rating(s):	Airplane single-engine	Toxicology Performed:	
Medical Certification:	Class 1 With waivers/limitations	Last FAA Medical Exam:	January 25, 2022
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	February 10, 2023
Flight Time:	290.9 hours (Total, all aircraft), 114.8 hours (Total, this make and model), 214 hours (Pilot In Command, all aircraft), 49.8 hours (Last 90 days, all aircraft), 33.3 hours (Last 30 days, all aircraft)		

Student pilot Information

Certificate:	Student	Age:	40,Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	None	Second Pilot Present:	
Instructor Rating(s):	None	Toxicology Performed:	
Medical Certification:	None	Last FAA Medical Exam:	March 15, 2023
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	12.9 hours (Total, all aircraft), 12.9 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N734NJ
Model/Series:	172N	Aircraft Category:	Airplane
Year of Manufacture:	1977	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	17268981
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	March 14, 2023	Certified Max Gross Wt.:	2300 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Lycoming
ELT:	Installed	Engine Model/Series:	O-360-E2D
Registered Owner:	FLYRIGHT AVIATION INC	Rated Power:	160 Horsepower
Operator:	FLYRIGHT AVIATION INC	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KVGT, 2190 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	16:53 Local	Direction from Accident Site:	313°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	270°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	29.81 inches Hg	Temperature/Dew Point:	23°C / -7°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Overton, NV (U08)	Type of Flight Plan Filed:	None
Destination:	Las Vegas, NV (KVGT)	Type of Clearance:	VFR; Traffic advisory; VFR flight following
Departure Time:	14:00 Local	Type of Airspace:	Class D

Airport Information

Airport:	NORTH LAS VEGAS KVG T	Runway Surface Type:	Asphalt
Airport Elevation:	2205 ft msl	Runway Surface Condition:	Dry
Runway Used:	30R	IFR Approach:	None
Runway Length/Width:	4199 ft / 75 ft	VFR Approach/Landing:	Full stop

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:		Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	36.209733,-115.19101

Administrative Information

Investigator In Charge (IIC):	Johnson, Scott
Additional Participating Persons:	Brian Love; Federal Aviation Administration; Las Vegas, NV
Original Publish Date:	August 24, 2023
Last Revision Date:	
Investigation Class:	Class 4
Note:	The NTSB did not travel to the scene of this accident.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=107069

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