



Aviation Investigation Final Report

Location:	Long Beach, California	Accident Number:	WPR23LA298
Date & Time:	August 1, 2023, 16:37 Local	Registration:	N46393 (A1); N65537 (A2)
Aircraft:	Cessna 152 (A1); Cessna 172S (A2)	Aircraft Damage:	Minor (A1); Substantial (A2)
Defining Event:	Ground collision	Injuries:	2 None (A1); 2 None (A2)
Flight Conducted Under:	Part 91: General aviation - Instructional (A1); Part 91: General aviation - Instructional (A2)		

Analysis

The student pilot in a Cessna 152 reported that, after completing the engine start procedure checklist, he set the parking brake and both he and the instructor placed their feet on the brake pedals. As both pilots looked down to plug in their headsets the airplane rolled forward and struck the right wing of a Cessna 172 that was taxiing in front of them. As a result of the collision, the Cessna 172's right wing was substantially damaged. The flight crews of both airplanes reported that there were no preaccident mechanical failures or malfunctions with their airplanes 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 flight instructor's inattention during ground operations, which resulted in unintentional movement of the airplane and ground collision with another airplane.

Findings

Personnel issues (A1)	Monitoring other aircraft - Student/instructed pilot
Personnel issues (A1)	Monitoring equip/instruments - Instructor/check pilot
Environmental issues (A1)	Aircraft - Response/compensation
Personnel issues (A1)	Aircraft control - Instructor/check pilot
Personnel issues (A2)	Monitoring other aircraft - Pilot
Environmental issues (A2)	Aircraft - Response/compensation

Factual Information

History of Flight

Taxi (A1)	Ground collision (Defining event)
Taxi (A2)	Ground collision

Flight instructor Information (A1)

Certificate:	Flight instructor	Age:	26,Male
Airplane Rating(s):	Single-engine sea; Multi-engine sea	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane single-engine; Instrument airplane	Toxicology Performed:	
Medical Certification:	Class 2 Without waivers/limitations	Last FAA Medical Exam:	January 4, 2023
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	August 16, 2022
Flight Time:	1040 hours (Total, all aircraft), 400 hours (Total, this make and model), 1003 hours (Pilot In Command, all aircraft), 200 hours (Last 90 days, all aircraft), 63 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Student pilot Information (A1)

Certificate:	Student	Age:	23,Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	None	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	
Medical Certification:	Class 1 Without waivers/limitations	Last FAA Medical Exam:	December 13, 2022
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	3.4 hours (Total, all aircraft), 3.4 hours (Total, this make and model), 2.4 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Flight instructor Information (A2)

Certificate:	Commercial; Flight instructor	Age:	33,Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane multi-engine; Airplane single-engine; Instrument airplane	Toxicology Performed:	
Medical Certification:	Class 1 Without waivers/limitations	Last FAA Medical Exam:	February 3, 2020
Occupational Pilot:	No	Last Flight Review or Equivalent:	May 16, 2023
Flight Time:	1624 hours (Total, all aircraft), 1573 hours (Total, this make and model), 1477 hours (Pilot In Command, all aircraft), 222 hours (Last 90 days, all aircraft), 78 hours (Last 30 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

Pilot Information (A2)

Certificate:	Private	Age:	39,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
Instrument Rating(s):	None	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	
Medical Certification:	Class 3 Without waivers/limitations	Last FAA Medical Exam:	September 7, 2022
Occupational Pilot:	No	Last Flight Review or Equivalent:	July 25, 2021
Flight Time:	152 hours (Total, all aircraft), 152 hours (Total, this make and model), 45 hours (Pilot In Command, all aircraft), 4 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information (A1)

Aircraft Make:	Cessna	Registration:	N46393
Model/Series:	152	Aircraft Category:	Airplane
Year of Manufacture:	1986	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	15283042
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	100 hour	Certified Max Gross Wt.:	1670 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	LYCOMING
ELT:	Installed	Engine Model/Series:	IO-235 SERIES
Registered Owner:	On file	Rated Power:	115 Horsepower
Operator:	ACES HIGH AVIATION LLC	Operating Certificate(s) Held:	None

Aircraft and Owner/Operator Information (A2)

Aircraft Make:	Cessna	Registration:	N65537
Model/Series:	172S	Aircraft Category:	Airplane
Year of Manufacture:	2004	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	172S9726
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	July 21, 2023 100 hour	Certified Max Gross Wt.:	2550 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	9684 Hrs	Engine Manufacturer:	LYCOMING
ELT:	C91A installed, not activated	Engine Model/Series:	IO-360-L2A
Registered Owner:	ACES HIGH AVIATION LLC	Rated Power:	180 Horsepower
Operator:	ACES HIGH AVIATION LLC	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KLGB,33 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	16:53 Local	Direction from Accident Site:	146°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	10 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	300°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	29.93 inches Hg	Temperature/Dew Point:	29°C / 17°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Long Beach, CA (A1); Long Beach, CA (A2)	Type of Flight Plan Filed:	None (A1); None (A2)
Destination:	Long Beach, CA (A1); Long Beach, CA (A2)	Type of Clearance:	None (A1); VFR (A2)
Departure Time:		Type of Airspace:	Class D (A1); Class D (A2)

Airport Information

Airport:	LONG BEACH (DAUGHERTY FLD) LGB	Runway Surface Type:	
Airport Elevation:	60 ft msl	Runway Surface Condition:	Dry
Runway Used:		IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

Wreckage and Impact Information (A1)

Crew Injuries:	2 None	Aircraft Damage:	Minor
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:		Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	33.81793,-118.15189

Wreckage and Impact Information (A2)

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:		Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	33.81793,-118.15189

Administrative Information

Investigator In Charge (IIC): Johnson, Scott

Additional Participating Persons: Aaron Haines; Federal Aviation Administration; Long Beach, CA

Original Publish Date: November 16, 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=192775>

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