



National Transportation Safety Board Aviation Accident Final Report

Location:	DOUGLAS BISBEE, AZ	Accident Number:	GAA16CA043
Date & Time:	11/02/2015, 0830 MST	Registration:	N1706R
Aircraft:	CESSNA 182	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The student pilot reported that he was performing a touch and go and his landing was "normal." As he applied power for takeoff, the airplane veered to the left and he responded by applying right rudder. The airplane continued to the left, departed the runway, and collided with a bush which caused the left main landing gear to collapse. The fuselage and left elevator sustained substantial damage.

The pilot stated 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 student pilot's loss of directional control during takeoff, which resulted in a runway excursion, left main landing gear collapse, and a collision with terrain.

Findings

Aircraft	Directional control - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Pilot (Cause)
Environmental issues	Object/animal/substance - Effect on equipment

Factual Information

History of Flight

Takeoff	Loss of control on ground (Defining event) Runway excursion Part(s) separation from AC Collision with terr/obj (non-CFIT)
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Student Pilot Information

Certificate:	Student	Age:	72, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With Waivers/Limitations	Last Medical Exam:	05/21/2015
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated) 60 hours (Total, all aircraft), 40 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N1706R
Model/Series:	182 R	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	R18200526
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	03/31/2015, Annual	Certified Max Gross Wt.:	2300 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-540
Registered Owner:	On file	Rated Power:	hp
Operator:	On file	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KDUG, 4150 ft msl	Observation Time:	1556 UTC
Distance from Accident Site:	0 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	0°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	13°C / 5°C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	Calm	Visibility (RVR):	
Altimeter Setting:	30.09 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	DOUGLAS BISBEE, AZ (DUG)	Type of Flight Plan Filed:	None
Destination:	DOUGLAS BISBEE, AZ (DUG)	Type of Clearance:	None
Departure Time:	0700 MST	Type of Airspace:	Class E

Airport Information

Airport:	BISBEE DOUGLAS INTL (DUG)	Runway Surface Type:	Asphalt
Airport Elevation:	4150 ft	Runway Surface Condition:	Dry
Runway Used:	17	IFR Approach:	None
Runway Length/Width:	6430 ft / 100 ft	VFR Approach/Landing:	Touch and Go; Traffic Pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None		

Administrative Information

Investigator In Charge (IIC):	Adam M Gerhardt	Adopted Date:	01/15/2016
Additional Participating Persons:	Al Rager; Scottsdale FSDO (FAA); Scottsdale, AZ		
Publish Date:	01/15/2016		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=92293		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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