



Aviation Investigation Final Report

Location:	Sebring, Ohio	Accident Number:	GAA17CA133
Date & Time:	January 22, 2017, 15:25 Local	Registration:	N3828D
Aircraft:	Cessna 182	Aircraft Damage:	Substantial
Defining Event:	Landing gear collapse	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Skydiving		

Analysis

The pilot in the tricycle-gear-equipped airplane reported that he landed about 4 ft short of the asphalt runway. The nose landing gear struck the 6-inch-high asphalt perimeter and separated from the airplane. The pilot aborted the landing, the airplane bounced, and the pilot established a climb. He completed one traffic pattern and an approach. During the second landing, the pilot chose to land on the turf safety area parallel to the runway. When the airplane's main landing gear touched down on the turf surface, the airplane nosed over. The airplane sustained substantial damage to the firewall, fuselage, left wing, and empennage.

Per the National Transportation Safety Board Pilot Aircraft Accident Report, the pilot reported that the accident could have been prevented by being more diligent in observing the touchdown point on the runway.

The pilot reported that there were no preaccident 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's failure to maintain the proper glidepath during landing, which resulted in the airplane landing short of the runway, the nose landing gear separating, and the airplane nosing over during a second landing.

Findings

Personnel issues

Aircraft control - Pilot

Aircraft

Descent/approach/glide path - Not attained/maintained

Factual Information

History of Flight

Landing-flare/touchdown	Abnormal runway contact
Landing-flare/touchdown	Landing gear collapse (Defining event)
Landing-flare/touchdown	Nose over/nose down
Landing-flare/touchdown	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Commercial	Age:	62, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Lap only
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	May 9, 2016
Occupational Pilot:	No	Last Flight Review or Equivalent:	May 20, 2016
Flight Time:	(Estimated) 1400.1 hours (Total, all aircraft), 1359.8 hours (Total, this make and model), 44.2 hours (Last 90 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N3828D
Model/Series:	182 A	Aircraft Category:	Airplane
Year of Manufacture:	1957	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	34528
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	June 1, 2016 Annual	Certified Max Gross Wt.:	2348 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	4720 Hrs at time of accident	Engine Manufacturer:	Continental
ELT:	C91 installed, not activated	Engine Model/Series:	O-470-L
Registered Owner:	On file	Rated Power:	230 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:	KCAK,1236 ft msl	Distance from Accident Site:	20 Nautical Miles
Observation Time:	19:51 Local	Direction from Accident Site:	272°
Lowest Cloud Condition:		Visibility	10 miles
Lowest Ceiling:	Broken / 10000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	11 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	70°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	29.54 inches Hg	Temperature/Dew Point:	16°C / 9°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Seebring, OH (3G6)	Type of Flight Plan Filed:	None
Destination:	Seebring, OH (3G6)	Type of Clearance:	None
Departure Time:		Type of Airspace:	Class G

Airport Information

Airport:	TRI-CITY 3G6	Runway Surface Type:	Asphalt;Grass/turf
Airport Elevation:	1187 ft msl	Runway Surface Condition:	Dry
Runway Used:	35	IFR Approach:	None
Runway Length/Width:	2768 ft / 45 ft	VFR Approach/Landing:	Full stop;Go around;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	40.906112,-81(est)

Administrative Information

Investigator In Charge (IIC):	Hicks, Michael
Additional Participating Persons:	Nicholas DeLotell; FAA; Cleveland, OH
Original Publish Date:	September 7, 2017
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=94696

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