



National Transportation Safety Board Aviation Accident Final Report

Location:	Hollywood, FL	Accident Number:	GAA19CA581
Date & Time:	09/11/2019, 0730 EDT	Registration:	N904WA
Aircraft:	Cessna 152	Aircraft Damage:	Substantial
Defining Event:	Hard landing	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The student pilot reported that, during landing, the airplane touched down hard, the nose landing gear collapsed, and the airplane bounced multiple times. He then pitched the airplane to level, and it came to a stop on the runway. The airplane sustained substantial damage to the engine mount. The director of flight operations reported that there were no preaccident mechanical failures or malfunctions 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 improper landing flare, which resulted in a hard landing and a collapsed nose landing gear.

Findings

Aircraft	Landing flare - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Student pilot (Cause)

Factual Information

History of Flight

Landing	Hard landing (Defining event) Landing gear collapse
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Student Pilot Information

Certificate:	Student	Age:	18, Male
Airplane Rating(s):	None	Seat Occupied:	Unknown
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 2 Without Waivers/Limitations	Last FAA Medical Exam:	02/28/2019
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N904WA
Model/Series:	152 No Series	Aircraft Category:	Airplane
Year of Manufacture:	1977	Amateur Built:	No
Airworthiness Certificate:	Utility	Serial Number:	15280291
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	08/07/2019, 100 Hour	Certified Max Gross Wt.:	1153 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	16974 Hours as of last inspection	Engine Manufacturer:	Lycoming
ELT:	C91A installed, activated, did not aid in locating accident	Engine Model/Series:	O-235-L26
Registered Owner:	Delaware Trust Company Trustee	Rated Power:	110 hp
Operator:	American Flight Training LLC	Operating Certificate(s) Held:	Pilot School (141)
Operator Does Business As:	Wayman Aviation Academy	Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KHWO, 9 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1053 UTC	Direction from Accident Site:	347°
Lowest Cloud Condition:	Scattered / 2500 ft agl	Visibility	10 Miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	9 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	60°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.07 inches Hg	Temperature/Dew Point:	28° C / 22° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Hollywood, FL (HWO)	Type of Flight Plan Filed:	None
Destination:	Hollywood, FL (HWO)	Type of Clearance:	VFR
Departure Time:	0730 EDT	Type of Airspace:	Class D

Airport Information

Airport:	NORTH PERRY (HWO)	Runway Surface Type:	Asphalt
Airport Elevation:	8 ft	Runway Surface Condition:	Dry
Runway Used:	10R	IFR Approach:	None
Runway Length/Width:	3255 ft / 100 ft	VFR Approach/Landing:	Full Stop; 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	Latitude, Longitude:	25.998333, -80.240833 (est)

Administrative Information

Investigator In Charge (IIC):	Kathryn R Benhoff	Report Date:	03/17/2020
Additional Participating Persons:	Juan Garcia; FAA; Miramar, FL		
Publish Date:	03/17/2020		
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=100363		

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.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).