



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Midland, TX	<b>Accident Number:</b>	GAA17CA129
<b>Date &amp; Time:</b>	01/26/2017, 1730 CST	<b>Registration:</b>	N38EE
<b>Aircraft:</b>	CESSNA 182	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Abnormal runway contact	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

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## Analysis

The solo student pilot reported that, after completing maneuvers in the local area, he returned to his home airport and was cleared for a straight-in approach. During touchdown, the nosewheel and propeller struck the runway hard, and the airplane bounced. During the second bounce, he increased power to abort the landing but was unsuccessful due to the damaged nosewheel and propeller. Subsequently, the student pilot stopped the airplane on the runway.

The airplane sustained substantial damage to the firewall and fuselage.

The student 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 student pilot's improper landing flare, which resulted in a bounced landing.

## Findings

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

## Factual Information

### History of Flight

Landing-flare/touchdown	Abnormal runway contact (Defining event)
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### Student Pilot Information

Certificate:	Student	Age:	56, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without Waivers/Limitations	Last FAA Medical Exam:	05/12/2015
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated) 68.7 hours (Total, all aircraft), 11.4 hours (Total, this make and model), 8.3 hours (Pilot In Command, all aircraft), 13 hours (Last 90 days, all aircraft), 6.6 hours (Last 30 days, all aircraft), 1.2 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N38EE
Model/Series:	182 N	Aircraft Category:	Airplane
Year of Manufacture:	1970	Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	18260257
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	03/15/2016, Annual	Certified Max Gross Wt.:	2950 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	3563.9 Hours as of last inspection	Engine Manufacturer:	Teledyne/ Continental
ELT:	C91A installed, not activated	Engine Model/Series:	IO-550-D
Registered Owner:	LINEBARGER, DAN R. & Anderson, Robert	Rated Power:	300 hp
Operator:	On file	Operating Certificate(s) Held:	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KMAF, 2872 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	2353 UTC	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:		Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	30.15 inches Hg	Temperature/Dew Point:	12°C / -11°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	MIDLAND, TX (MAF)	Type of Flight Plan Filed:	None
Destination:	MIDLAND, TX (MAF)	Type of Clearance:	VFR
Departure Time:	1615 CST	Type of Airspace:	Class C

## Airport Information

Airport:	MIDLAND INTL (MAF)	Runway Surface Type:	Asphalt
Airport Elevation:	2872 ft	Runway Surface Condition:	Dry
Runway Used:	16L	IFR Approach:	None
Runway Length/Width:	4247 ft / 100 ft	VFR Approach/Landing:	Full Stop; Straight-in

## 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:	31.942500, -102.201944 (est)

## Administrative Information

Investigator In Charge (IIC):	Adam M Gerhardt	Report Date:	04/10/2017
Additional Participating Persons:	William J Fitzgerald; FAA; Lubbock, TX		
Publish Date:	04/10/2017		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=94675">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=94675</a>		

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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](#).