



# Aviation Investigation Final Report

<b>Location:</b>	Rockford, Illinois	<b>Accident Number:</b>	GAA18CA157
<b>Date &amp; Time:</b>	March 12, 2018, 09:30 Local	<b>Registration:</b>	N96772
<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 - Personal		

## Analysis

The pilot reported that during landing, about 20 ft above ground level and about 80 kts, he reached for his iPad. He took his eyes off the runway to grab the device that was located on the seat next to him, and the airplane collided with the ground in a nose-down attitude. The pilot reported that he should not have taken his eyes off the runway during landing.

The airplane sustained substantial damage to the lower fuselage stringers, longerons, and formers.

The pilot reported that 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 pilot's unnecessary action during the approach, which resulted in a hard landing.

## Findings

<b>Personnel issues</b>	Unnecessary action - Pilot
<b>Personnel issues</b>	Decision making/judgment - Pilot
<b>Personnel issues</b>	Task monitoring/vigilance - Pilot
<b>Aircraft</b>	Landing flare - Not attained/maintained
<b>Personnel issues</b>	Incorrect action performance - Pilot

## Factual Information

### History of Flight

<b>Landing</b>	Abnormal runway contact (Defining event)
<b>Approach-IFR initial approach</b>	Collision with terr/obj (non-CFIT)
<b>Landing</b>	Hard landing

### Pilot Information

<b>Certificate:</b>	Commercial; Flight instructor	<b>Age:</b>	75, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	3-point
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	Airplane single-engine; Instrument airplane	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	BasicMed Without waivers/limitations	<b>Last FAA Medical Exam:</b>	May 10, 2017
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	March 9, 2018
<b>Flight Time:</b>	(Estimated) 3428 hours (Total, all aircraft), 3328 hours (Pilot In Command, all aircraft), 17 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N96772
<b>Model/Series:</b>	182 Q	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	1979	<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	18266846
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	June 21, 2017 Annual	<b>Certified Max Gross Wt.:</b>	2950 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	3144 Hrs as of last inspection	<b>Engine Manufacturer:</b>	Continental
<b>ELT:</b>	C91A installed, not activated	<b>Engine Model/Series:</b>	O-470-U
<b>Registered Owner:</b>		<b>Rated Power:</b>	230 Horsepower
<b>Operator:</b>	On file	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	KRFD, 743 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	13:54 Local	<b>Direction from Accident Site:</b>	126°
<b>Lowest Cloud Condition:</b>	Few / 2600 ft AGL	<b>Visibility</b>	9 miles
<b>Lowest Ceiling:</b>	Overcast / 3300 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	9 knots /	<b>Turbulence Type Forecast/Actual:</b>	/ None
<b>Wind Direction:</b>	320°	<b>Turbulence Severity Forecast/Actual:</b>	/ N/A
<b>Altimeter Setting:</b>	30.13 inches Hg	<b>Temperature/Dew Point:</b>	2°C / -3°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Dubuque, CA (DBQ )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Rockford, IL (RFD )	<b>Type of Clearance:</b>	VFR
<b>Departure Time:</b>	09:00 Local	<b>Type of Airspace:</b>	Class D

## Airport Information

<b>Airport:</b>	CHICAGO/ROCKFORD INTL RFD	<b>Runway Surface Type:</b>	Asphalt;Concrete
<b>Airport Elevation:</b>	742 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	01	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	8200 ft / 150 ft	<b>VFR Approach/Landing:</b>	Full stop;Straight-in

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	42.195278,-89.097221(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Hicks, Michael
<b>Additional Participating Persons:</b>	James Lobash; FAA; Dupage, IL
<b>Original Publish Date:</b>	August 27, 2018
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=96856">https://data.nts.gov/Docket?ProjectID=96856</a>

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