



# Aviation Investigation Final Report

<b>Location:</b>	WHEELING, Illinois	<b>Accident Number:</b>	CHI82DA343
<b>Date &amp; Time:</b>	September 4, 1982, 12:23 Local	<b>Registration:</b>	N301DG
<b>Aircraft:</b>	CESSNA 310A	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PILOT COULD NOT GET THE GEAR DOWN GREEN LIGHT TO COME ON. SEVERAL CHECKS MADE INCLUDING A FLY-BY AND A ADVISORY THAT THE GEAR APPEARED DOWN. DURING THE LANDING ROLL THE RIGHT GEAR COLLAPSED. EXAMINATION OF THE LANDING GEAR SYSTEM REVEALED A BENT RIGHTHAND INBOARD DRIVE TUBE. NO OTHER DISCREPANCIES WERE FOUND.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

### Findings

Occurrence #1: MISCELLANEOUS/OTHER  
Phase of Operation: DESCENT - NORMAL

#### Findings

1. (C) LANDING GEAR,GEAR INDICATING SYSTEM - FAILURE,PARTIAL  
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Occurrence #2: MAIN GEAR COLLAPSED  
Phase of Operation: LANDING - ROLL

Findings

2. (C) LANDING GEAR, GEAR LOCKING MECHANISM - UNDETERMINED

## Factual Information

### Pilot Information

<b>Certificate:</b>	Airline transport; Flight instructor	<b>Age:</b>	39, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Unknown
<b>Other Aircraft Rating(s):</b>		<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	Airplane multi-engine; Airplane single-engine	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 1 Valid Medical-w/ waivers/lim	<b>Last FAA Medical Exam:</b>	
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	11823 hours (Total, all aircraft), 662 hours (Total, this make and model), 9498 hours (Pilot In Command, all aircraft), 235 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N301DG
<b>Model/Series:</b>	310A 310A	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>		<b>Serial Number:</b>	35246
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	5
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	4600 lbs
<b>Time Since Last Inspection:</b>	7 Hrs	<b>Engines:</b>	2 Reciprocating
<b>Airframe Total Time:</b>	3289 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed	<b>Engine Model/Series:</b>	O-470M
<b>Registered Owner:</b>	WILLIAM H. ANDERSON	<b>Rated Power:</b>	240 Horsepower
<b>Operator:</b>	WILLIAM H. ANDERSON	<b>Operating Certificate(s) Held:</b>	
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	PWK	<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>	12:00 Local	<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Scattered / 3000 ft AGL	<b>Visibility</b>	20 miles
<b>Lowest Ceiling:</b>	Unknown	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	7 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	230°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	75°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	WHEELING , IL (PWK )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	WHEELING , IL (PWK )	<b>Type of Clearance:</b>	
<b>Departure Time:</b>	11:30 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	PAL-WAUKEE PWK	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	0 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	16	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	5000 ft / 100 ft	<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	Unknown
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	Unknown
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	

## Administrative Information

**Investigator In Charge (IIC):**

**Additional Participating Persons:**

**Original Publish Date:** September 4, 1983

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.ntsb.gov/Docket?ProjectID=73031>

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