



# Aviation Investigation Final Report

<b>Location:</b>	PONTIAC, Michigan	<b>Accident Number:</b>	CHI82DA116
<b>Date &amp; Time:</b>	April 7, 1982, 11:30 Local	<b>Registration:</b>	N66944
<b>Aircraft:</b>	CESSNA 152	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Instructional		

## Analysis

WHILE THE STUDENT PILOT WAS ON HIS FIFTH TOUCH AND GO PATTERN, THE PLANE VEERED TO THE LEFT AFTER TOUCHDOWN. THE LEFT MAIN GEAR THEN ENCOUNTERED SNOW AND PULLED THE AIRCRAFT FURTHER LEFT INTO A SNOWBANK. THE STUDENT CLAIMED THAT THE OWNERS HAD ADVISED HIM TO APPLY BRAKES AFTER TAKEOFF TO CORRECT A SHIMMY THAT OCCURRED AFTER LIFT-OFF. THE STUDENT BELIEVED THAT THIS CAUSED THE BRAKE TO LOCK. HOWEVER, THE BRAKE WAS NOT LOCKED WHEN THE PLANE WAS REMOVED FROM THE SNOWBANK, AND IT OPERATED NORMALLY WHEN CHECKED. THERE WAS A RIGHT QUARTERING HEADWIND AT 8 KNOTS.

## Probable Cause and Findings

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

### Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

#### Findings

1. TOUCH-AND-GO - PERFORMED - PILOT IN COMMAND
2. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
3. (F) LACK OF TOTAL EXPERIENCE - PILOT IN COMMAND
4. GROUND LOOP/SWERVE - INADVERTENT - PILOT IN COMMAND

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Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER  
Phase of Operation: LANDING - ROLL

Findings

5. (F) AIRPORT FACILITIES,RUNWAY/LANDING AREA CONDITION - SNOWBANK

## Factual Information

### Pilot Information

<b>Certificate:</b>	Student	<b>Age:</b>	27, Male
<b>Airplane Rating(s):</b>		<b>Seat Occupied:</b>	Unknown
<b>Other Aircraft Rating(s):</b>		<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Unknown Unknown	<b>Last FAA Medical Exam:</b>	
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	27 hours (Total, all aircraft), 27 hours (Total, this make and model), 23 hours (Last 90 days, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N66944
<b>Model/Series:</b>	152 152	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>		<b>Serial Number:</b>	15281679
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	1670 lbs
<b>Time Since Last Inspection:</b>	10 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	638 Hrs	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed	<b>Engine Model/Series:</b>	O-235
<b>Registered Owner:</b>	PIERCE E. WOODWORTH	<b>Rated Power:</b>	110 Horsepower
<b>Operator:</b>	AIR-ONE	<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>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	12 miles
<b>Lowest Ceiling:</b>	Unknown	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	8 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	340°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	47°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	PONTIAC , MI (PTK )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	PONTIAC , MI (PTK )	<b>Type of Clearance:</b>	
<b>Departure Time:</b>	11:10 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	OAKLAND-PONTIAC AIRPORT PTK	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	0 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	27R	<b>IFR Approach:</b>	
<b>Runway Length/Width:</b>	3250 ft / 75 ft	<b>VFR Approach/Landing:</b>	Touch and go;Traffic pattern

## 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>	

## Administrative Information

**Investigator In Charge (IIC):**

**Additional Participating Persons:**

**Original Publish Date:** April 7, 1983

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=72278>

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