



# Aviation Investigation Final Report

<b>Location:</b>	LAMBERTVILLE, Michigan	<b>Accident Number:</b>	CHI85LA240
<b>Date &amp; Time:</b>	June 14, 1985, 17:45 Local	<b>Registration:</b>	N8FT
<b>Aircraft:</b>	HANEY POLLIWAGON	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 Serious
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PLT WAS UNABLE TO FLARE THE ACFT WITH FULL UP ELEVATOR AND THE NOSE GEAR CONTACTED THE RWY DURING LANDING. THE ACFT BOUNCED AND CONTACTED THE RWY AGAIN RESULTING IN A GEAR COLLAPSE. THE PLT STATED THAT THE ELEVATOR DID NOT PROVIDE THE SAME AMOUNT OF UP TRAVEL AS DESIGNED. IN ADDITION, THE NOSE GEAR EXTENSION WAS LONGER THAN DESIGNED.

## Probable Cause and Findings

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

### Findings

Occurrence #1: HARD LANDING  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

#### Findings

1. FLARE - INADVERTENT - PILOT IN COMMAND
  2. (C) FLIGHT CONTROL,ELEVATOR - INADEQUATE
  3. (C) MAINTENANCE,ADJUSTMENT - INADEQUATE - PILOT IN COMMAND
  4. (C) LANDING GEAR,NOSE GEAR ASSEMBLY - IMPROPER
  5. (C) MAINTENANCE,INSTALLATION - IMPROPER - PILOT IN COMMAND
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Occurrence #2: GEAR COLLAPSED  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

6. LANDING GEAR - OVERLOAD

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	53, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Unknown
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical-w/ waivers/lim	<b>Last FAA Medical Exam:</b>	September 4, 1984
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	963 hours (Total, all aircraft), 1 hours (Total, this make and model), 4 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	HANEY	<b>Registration:</b>	N8FT
<b>Model/Series:</b>	POLLIWAGON POLLIWAGON	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	Yes
<b>Airworthiness Certificate:</b>	Experimental (Special)	<b>Serial Number:</b>	458
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	June 14, 1985 Annual	<b>Certified Max Gross Wt.:</b>	
<b>Time Since Last Inspection:</b>	1 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1 Hrs	<b>Engine Manufacturer:</b>	REVMASER
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	UNK
<b>Registered Owner:</b>	DWIGHT G. HANEY	<b>Rated Power:</b>	
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None
<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>	TOL ,684 ft msl	<b>Distance from Accident Site:</b>	12 Nautical Miles
<b>Observation Time:</b>	16:50 Local	<b>Direction from Accident Site:</b>	220°
<b>Lowest Cloud Condition:</b>	Scattered / 6000 ft AGL	<b>Visibility</b>	15 miles
<b>Lowest Ceiling:</b>	Broken / 10000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	7 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	240°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	23°C / 8°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>		<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	17:30 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	TOLEDO SUBURBAN 5G9	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	664 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	27	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	3258 ft / 50 ft	<b>VFR Approach/Landing:</b>	Full stop;Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Serious	<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 Serious	<b>Latitude, Longitude:</b>	

## Administrative Information

**Investigator In Charge (IIC):** Rathke, Frederick

**Additional Participating Persons:**

**Original Publish Date:**

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=13100>

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