



# Aviation Investigation Final Report

<b>Location:</b>	HOLLISTER, California	<b>Accident Number:</b>	LAX85LA347
<b>Date &amp; Time:</b>	August 14, 1985, 13:45 Local	<b>Registration:</b>	N7982Y
<b>Aircraft:</b>	PIPER PA-30	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	4 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PLT AND GND WITNESSES REPORTED THAT DURING THE TAKEOFF ROLL, THE NOSE GEAR COLLAPSED, FOLLOWED BY THE MAIN LANDING GEARS. POST-ACCIDENT INVESTIGATION DISCLOSED THE LANDING GEAR CONTROL HANDLE WAS IN THE DOWN POSITION. ALL OF THE LANDING GEAR RETRACTION/EXTENSION PUSH PULL TUBES REMAINED ATTACHED AT THEIR RESPECTIVE ATTACH FITTINGS. THE NOSE GEAR PUSH PULL TUBE AND ITS ATTACH BOLT WERE BENT TO THE LEFT. THE TRANSMISSION ASSY SEPARATED FROM ITS MOUNTING BRACKET AND WAS FOUND ON THE RETRACTED POSITION. THE LND GEAR MOTOR OPERATED NORMALLY.

## Probable Cause and Findings

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

### Findings

Occurrence #1: COMPLETE GEAR COLLAPSED  
Phase of Operation: TAKEOFF - ROLL/RUN

#### Findings

1. (C) ELECTRICAL SYSTEM,ELECTRIC MOTOR - ENGAGED

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	51, Male
<b>Airplane Rating(s):</b>	Single-engine land; Single-engine sea; Multi-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	May 13, 1985
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	5000 hours (Total, all aircraft), 252 hours (Total, this make and model), 66 hours (Last 90 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	PIPER	<b>Registration:</b>	N7982Y
<b>Model/Series:</b>	PA-30 PA-30	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	30-1083
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	March 1, 1985 Annual	<b>Certified Max Gross Wt.:</b>	3600 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	2 Reciprocating
<b>Airframe Total Time:</b>	4900 Hrs	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	320-B1A
<b>Registered Owner:</b>	WILLIAM BOUCHER	<b>Rated Power:</b>	160 Horsepower
<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>		<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>	50 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	10 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	270°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>		<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	HILLSBORO , OR (HIO )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	13:45 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	HOLLISTER 307	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	233 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	23	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	4350 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>	3 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	4 None	<b>Latitude, Longitude:</b>	37.949069,-121.320053(est)

## Administrative Information

**Investigator In Charge (IIC):** Llorente, A

**Additional Participating Persons:** GARY L BLOM; SAN JOSE , CA

**Original Publish Date:**

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=24798>

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