



# Aviation Investigation Final Report

<b>Location:</b>	NOVATO, California	<b>Accident Number:</b>	LAX87LA192
<b>Date &amp; Time:</b>	April 22, 1987, 13:40 Local	<b>Registration:</b>	N573T
<b>Aircraft:</b>	BEECH 35-A33	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	3 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PLT ABORTED THE TAKEOFF ATTEMPT BEFORE BECOMING AIRBORNE AT A POINT NEAR MIDFIELD ON THE 3360 FT RWY. HE RPTD SMOKE IN THE COCKPIT FROM AN ELECTRICAL SHORT OF UNRPTD ORIGIN. BOTH THE PLT AND THE PLT-RATED PAX THOUGHT THEY WOULD BE ABLE TO STOP ON THE REMAINING RWY, HOWEVER, THE ACFT COLLIDED WITH A DITCH AFTER THE PLT STATED THAT THE ACFT LOST BRAKING EFFECTIVENESS. AFTER THE ACCIDENT THE PLT MADE A SAFETY RECOMMENDATION WHICH INCLUDED 'INSPECT BRAKE PADS DURING PREFLIGHT, RELINE IF NOT WORKING PERFECTLY...'. THE PAX IN THE RIGHT SEAT REMARKED THAT THE PLT HAD FAILED TO PERFORM A PREFLIGHT INSPECTION OF THE ACFT BFR THE FLT.

## Probable Cause and Findings

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

### Findings

Occurrence #1: FIRE  
Phase of Operation: TAKEOFF - ROLL/RUN

- Findings
1. (C) ELECTRICAL SYSTEM - SHORTED
  2. REASON FOR OCCURRENCE UNDETERMINED

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Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER  
Phase of Operation: TAKEOFF

Findings

3. (F) TERRAIN CONDITION - DITCH
4. (F) ABORTED TAKEOFF - ATTEMPTED - PILOT IN COMMAND
5. (C) LANDING GEAR,NORMAL BRAKE SYSTEM - LOSS,PARTIAL
6. (C) AIRCRAFT PREFLIGHT - NOT PERFORMED - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	48, 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>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 1 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	August 15, 1986
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	2088 hours (Total, all aircraft), 400 hours (Total, this make and model), 1828 hours (Pilot In Command, all aircraft), 14 hours (Last 90 days, all aircraft), 4 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	BEECH	<b>Registration:</b>	N573T
<b>Model/Series:</b>	35-A33 35-A33	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Utility	<b>Serial Number:</b>	CD350
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	February 2, 1987 Annual	<b>Certified Max Gross Wt.:</b>	3000 lbs
<b>Time Since Last Inspection:</b>	5 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2100 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	I0-470
<b>Registered Owner:</b>	THOMAS J RYAN	<b>Rated Power:</b>	225 Horsepower
<b>Operator:</b>	RYAN, THOMAS J.	<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>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	0°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	30°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>	SAN CARLOS , CA (SQL )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	13:40 Local	<b>Type of Airspace:</b>	Class D

## Airport Information

<b>Airport:</b>	GNOSS FIELD 056	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	1 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	31	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	3360 ft / 60 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>	2 None	<b>Aircraft Fire:</b>	On-ground
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	3 None	<b>Latitude, Longitude:</b>	38.10036,-122.630737(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Pollack, Wayne
<b>Additional Participating Persons:</b>	DELMAR OTT; OAKLAND , CA
<b>Original Publish Date:</b>	November 29, 1988
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=25579">https://data.nts.gov/Docket?ProjectID=25579</a>

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