



# Aviation Investigation Final Report

<b>Location:</b>	CHESAPEAKE, Ohio	<b>Accident Number:</b>	NYC91LA137
<b>Date &amp; Time:</b>	July 16, 1991, 17:45 Local	<b>Registration:</b>	N9723Q
<b>Aircraft:</b>	BEECH C-23	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Instructional		

## Analysis

DURING THE TAKEOFF ROLL, THE MAIN CABIN DOOR OPENED AND THE AIRCRAFT RETURNED FOR LANDING. THE PILOT STATED THAT WHILE IN THE TRAFFIC PATTERN, THE AIRSPEED WAS FAST CONSIDERING THE FLAP SETTING AND BACK PRESSURE HE HAD APPLIED. HE STATED THAT IN THE LANDING FLARE, WHEN HE APPLIED ADDITIONAL BACK PRESSURE, THE AIRCRAFT DESCENDED UNCONTROLLABLY. THE AIRCRAFT IMPACTED THE RUNWAY, NOSEWHEEL AND PROPELLER STRUCK THE GROUND.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S FAILURE TO MAINTAIN AN ADEQUATE AIRSPEED THAT WOULD PRECLUDE A STALL. CONTRIBUTING TO THE ACCIDENT WAS THE OPENED DOOR.

## Findings

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

- Findings
1. (F) DOOR, INTERIOR CREW - OPEN
  2. PRECAUTIONARY LANDING - INITIATED - DUAL STUDENT
  3. (F) STALL/MUSH - INADVERTENT - DUAL STUDENT
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Occurrence #2: NOSE GEAR COLLAPSED  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	44, 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 3 Valid Medical-w/ waivers/lim	<b>Last FAA Medical Exam:</b>	December 4, 1990
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	154 hours (Total, all aircraft), 45 hours (Total, this make and model), 88 hours (Pilot In Command, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	BEECH	<b>Registration:</b>	N9723Q
<b>Model/Series:</b>	C-23 C-23	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	M-1305
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	August 1, 1990 Annual	<b>Certified Max Gross Wt.:</b>	2450 lbs
<b>Time Since Last Inspection:</b>	50 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1605 Hrs	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	O-360-A2G
<b>Registered Owner:</b>	W. EDWARD & NANCY J. LANGDON	<b>Rated Power:</b>	180 Horsepower
<b>Operator:</b>	W. EDWARD & NANCY J. LANGDON	<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>	Scattered	<b>Visibility</b>	7 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	5 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	170°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	32°C / 13°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>	17:40 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	LAWRENCE COUNTY HTW	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	568 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	26	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	3000 ft / 75 ft	<b>VFR Approach/Landing:</b>	Precautionary landing

## Wreckage and Impact Information

<b>Crew Injuries:</b>	2 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>	2 None	<b>Latitude, Longitude:</b>	38.429393,-82.449516(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Johnson, Beverley
<b>Additional Participating Persons:</b>	J. DUNCAN; CINCINNATI, OH
<b>Original Publish Date:</b>	July 14, 1993
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.ntsb.gov/Docket?ProjectID=36928">https://data.ntsb.gov/Docket?ProjectID=36928</a>

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