



# Aviation Investigation Final Report

|                                |                                      |                         |             |
|--------------------------------|--------------------------------------|-------------------------|-------------|
| <b>Location:</b>               | BREMERTON, Washington                | <b>Accident Number:</b> | SEA87LA184  |
| <b>Date &amp; Time:</b>        | August 27, 1987, 14:30 Local         | <b>Registration:</b>    | N18832      |
| <b>Aircraft:</b>               | BEECH C-23                           | <b>Aircraft Damage:</b> | Substantial |
| <b>Defining Event:</b>         |                                      | <b>Injuries:</b>        | 1 None      |
| <b>Flight Conducted Under:</b> | Part 91: General aviation - Personal |                         |             |

## Analysis

ON THE PILOTS THIRD TOUCH AND GO AN UNDERSHOOT OCCURRED DURING LANDING ONTO RUNWAY 1. VASI LIGHTS ARE AVAILABLE FOR THAT RUNWAY. THE PLT WAS UNABLE TO EXPLAIN WHY THE UNDERSHOOT OCCURRED.

## Probable Cause and Findings

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

### Findings

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

- Findings
1. (C) DISTANCE - MISJUDGED - PILOT IN COMMAND
  2. (C) TOUCHDOWN - PREMATURE - PILOT IN COMMAND
- 

Occurrence #2: NOSE GEAR COLLAPSED  
Phase of Operation: LANDING - ROLL

- Findings
3. (F) TERRAIN CONDITION - ROUGH/UNEVEN



## Factual Information

### Pilot Information

|                                  |  |  |               |
|----------------------------------|--|--|---------------|
| <b>Certificate:</b>              | Commercial; Flight instructor  | <b>Age:</b>                              | 59, Female    |
| <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>     | Airplane   | <b>Second Pilot Present:</b>             | No            |
| <b>Instructor Rating(s):</b>     | Airplane single-engine   | <b>Toxicology Performed:</b>             | No            |
| <b>Medical Certification:</b>    | Class 2 Valid Medical-w/<br>waivers/lim  | <b>Last FAA Medical Exam:</b>            | July 15, 1987 |
| <b>Occupational Pilot:</b>       | UNK  | <b>Last Flight Review or Equivalent:</b> |               |
| <b>Flight Time:</b>              | 760 hours (Total, all aircraft), 102 hours (Total, this make and model), 535 hours (Pilot In Command, all aircraft), 12 hours (Last 90 days, all aircraft) |  |               |

### Aircraft and Owner/Operator Information

|                                      |                          |                                       |                 |
|--------------------------------------|--------------------------|---------------------------------------|-----------------|
| <b>Aircraft Make:</b>                | BEECH                    | <b>Registration:</b>                  | N18832          |
| <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-1950          |
| <b>Landing Gear Type:</b>            | Tricycle                 | <b>Seats:</b>                         | 4               |
| <b>Date/Type of Last Inspection:</b> | Unknown                  | <b>Certified Max Gross Wt.:</b>       | 2450 lbs        |
| <b>Time Since Last Inspection:</b>   |                          | <b>Engines:</b>                       | 1 Reciprocating |
| <b>Airframe Total Time:</b>          | 1926 Hrs                 | <b>Engine Manufacturer:</b>           | LYCOMING        |
| <b>ELT:</b>                          | Installed, not activated | <b>Engine Model/Series:</b>           | O-360-A4J       |
| <b>Registered Owner:</b>             | E.E. STENDAHL            | <b>Rated Power:</b>                   | 180 Horsepower  |
| <b>Operator:</b>                     |                          | <b>Operating Certificate(s) Held:</b> | None            |
| <b>Operator Does Business As:</b>    | FLIGHTCRAFT              | <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> | PWT ,481 ft msl                  | <b>Distance from Accident Site:</b>         |             |
| <b>Observation Time:</b>                | 14:50 Local                      | <b>Direction from Accident Site:</b>        |             |
| <b>Lowest Cloud Condition:</b>          | 20000 ft AGL                     | <b>Visibility</b>                           | 25 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>                  | 180°                             | <b>Turbulence Severity Forecast/Actual:</b> | /           |
| <b>Altimeter Setting:</b>               | 30 inches Hg                     | <b>Temperature/Dew Point:</b>               | 29°C / 11°C |
| <b>Precipitation and Obscuration:</b>   | No Obscuration; No Precipitation |   |             |
| <b>Departure Point:</b>                 | SEATTLE , WA (BFI )              | <b>Type of Flight Plan Filed:</b>           | None        |
| <b>Destination:</b>                     | BREMERTON , WA (PWT )            | <b>Type of Clearance:</b>                   | None        |
| <b>Departure Time:</b>                  | 14:00 Local                      | <b>Type of Airspace:</b>                    | Class G     |

## Airport Information

|                             |                          |                                  |              |
|-----------------------------|--------------------------|----------------------------------|--------------|
| <b>Airport:</b>             | BREMERTON NAT'L ARPT PWT | <b>Runway Surface Type:</b>      | Asphalt      |
| <b>Airport Elevation:</b>   | 481 ft msl               | <b>Runway Surface Condition:</b> | Dry          |
| <b>Runway Used:</b>         | 1                        | <b>IFR Approach:</b>             | None         |
| <b>Runway Length/Width:</b> | 6200 ft / 150 ft         | <b>VFR Approach/Landing:</b>     | Touch and go |

## 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> | 46.760025,-122.159057(est) |

## Administrative Information

|  |   |
|--|---|
| <b>Investigator In Charge (IIC):</b>     | Carrera, Candace  |
| <b>Additional Participating Persons:</b> | MIKE KELLEY; SEATTLE , WA   |
| <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=40692">https://data.nts.gov/Docket?ProjectID=40692</a> |

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