



# Aviation Investigation Final Report

<b>Location:</b>	N. LITTLE ROCK, Arkansas	<b>Accident Number:</b>	FTW91LA015
<b>Date &amp; Time:</b>	November 18, 1990, 15:25 Local	<b>Registration:</b>	N4320V
<b>Aircraft:</b>	CESSNA 195	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

DURING THE LANDING ROLLOUT, THE PILOT LIGHTLY APPLIED BOTH BRAKES TO CHECK FOR NORMAL OPERATION. THE RIGHT BRAKE LOCKED FOR AN UNKNOWN REASON. THE PILOT ATTEMPTED TO MAINTAIN DIRECTIONAL CONTROL BUT WAS UNSUCCESSFUL. THE AIRPLANE DEPARTED THE RUNWAY TO THE RIGHT, GROUNDLOOPED AND CAME TO REST ADJACENT TO THE RUNWAY.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE FAILURE OF THE RIGHT BRAKE SYSTEM TO RELEASE AFTER APPLICATION FOR UNKNOWN REASONS.

## Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER  
Phase of Operation: LANDING - ROLL

### Findings

1. (C) LANDING GEAR,NORMAL BRAKE SYSTEM - LOCKED
2. (C) LANDING GEAR,NORMAL BRAKE SYSTEM - UNDETERMINED
3. DIRECTIONAL CONTROL - NOT POSSIBLE - PILOT IN COMMAND

Occurrence #2: MAIN GEAR COLLAPSED

Phase of Operation: LANDING - ROLL

Findings

4. (F) GROUND LOOP/SWERVE - INADVERTENT - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial; Flight instructor	<b>Age:</b>	50, 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>	Glider	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	Airplane multi-engine; Airplane single-engine; Glider	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	September 11, 1990
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	20150 hours (Total, all aircraft), 100 hours (Total, this make and model), 12180 hours (Pilot In Command, all aircraft), 120 hours (Last 90 days, all aircraft), 50 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N4320V
<b>Model/Series:</b>	195 195	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	7227
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	5
<b>Date/Type of Last Inspection:</b>	June 1, 1990 Annual	<b>Certified Max Gross Wt.:</b>	3300 lbs
<b>Time Since Last Inspection:</b>	69 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	3417 Hrs	<b>Engine Manufacturer:</b>	JACOBS
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	R-755A2
<b>Registered Owner:</b>	CONTINENTAL CAPITAL CORP.	<b>Rated Power:</b>	300 Horsepower
<b>Operator:</b>	KIETH KRETH	<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>	LIT ,853 ft msl	<b>Distance from Accident Site:</b>	14 Nautical Miles
<b>Observation Time:</b>	14:50 Local	<b>Direction from Accident Site:</b>	165°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	7 miles
<b>Lowest Ceiling:</b>	Overcast / 2800 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	5 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	130°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	16°C / 4°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>	14:55 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	N. LITTLE ROCK MUNI. 1M1	<b>Runway Surface Type:</b>	Concrete
<b>Airport Elevation:</b>	542 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	18	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	3200 ft / 75 ft	<b>VFR Approach/Landing:</b>	Full stop

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<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>	

## Administrative Information

**Investigator In Charge (IIC):** Wandel, Warren

**Additional Participating Persons:**

**Original Publish Date:** December 8, 1992

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.ntsb.gov/Docket?ProjectID=23291>

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