



# Aviation Investigation Final Report

<b>Location:</b>	CHANDLER, Arizona	<b>Accident Number:</b>	LAX03LA153
<b>Date &amp; Time:</b>	May 18, 2003, 07:00 Local	<b>Registration:</b>	N24006
<b>Aircraft:</b>	Beech B19	<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

The airplane collided with a taxiway sign following a loss of directional control while on the landing roll. During the landing roll, the airplane drifted to the left of the centerline. The pilot applied right rudder pressure in an effort to counteract the drift, and the airplane veered sharply to the right. He applied left rudder pressure to correct for the overcompensation, and the airplane veered sharply to the left. After repeating this sequence, the airplane departed the left side of the runway, and the right wing collided with a taxiway sign. The pilot thought that he might have inadvertently applied pressure to the toe brakes during his attempted corrections, rather than the rudder pedals. The pilot did not report any mechanical problems with the airplane prior to the accident.

## 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 directional control on the landing roll due to his inadvertent use of brakes.

### Findings

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

#### Findings

1. (C) BRAKES(NORMAL) - INADVERTENT ACTIVATION - PILOT IN COMMAND

2. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
3. GROUND LOOP/SWERVE - ENCOUNTERED

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Occurrence #2: ON GROUND/WATER COLLISION WITH OBJECT  
Phase of Operation: LANDING - ROLL

Findings

4. OBJECT - SIGN

## Factual Information

On May 18, 2003, about 0700 mountain standard time, a Beech B19, N24006, collided with a taxiway sign while on the landing roll at Chandler Municipal Airport (CHD), Chandler, Arizona. The co-owner/pilot was operating the airplane under the provisions of 14 CFR Part 91. The commercial pilot, the sole occupant, was not injured; the airplane sustained substantial damage. The personal local flight departed CHD at an undetermined time. Day visual meteorological conditions prevailed, and a flight plan had not been filed.

In a written statement, the pilot reported that he was performing practice touch-and-go takeoffs and landings on runway 04L. During the landing roll, the airplane drifted to the left of the centerline. The pilot applied right rudder pressure in an effort to counteract the drift. The airplane veered sharply to the right, and he applied left rudder pressure to correct. After repeating this sequence, the airplane departed the left side of the runway, and the right wing collided with a taxiway sign. The airplane sustained substantial damage to the right wing.

During his attempted corrections, the pilot thought that he might have inadvertently applied pressure to the toe brakes, located on the top end of the rudder pedals, rather than the bottom end of the rudder pedals. The pilot did not report any mechanical problems with the airplane prior to the accident.

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	63, 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>	Airplane	<b>Second Pilot Present:</b>	No
<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>	March 4, 2002
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	May 20, 2002
<b>Flight Time:</b>	485 hours (Total, all aircraft), 11 hours (Total, this make and model), 286 hours (Pilot In Command, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Beech	<b>Registration:</b>	N24006
<b>Model/Series:</b>	B19	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal; Utility	<b>Serial Number:</b>	MB835
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	June 22, 2002 Annual	<b>Certified Max Gross Wt.:</b>	2155 lbs
<b>Time Since Last Inspection:</b>	27 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1733 Hrs as of last inspection	<b>Engine Manufacturer:</b>	Lycoming
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-320-E3D
<b>Registered Owner:</b>	John R. Elliott and David L. Keiper	<b>Rated Power:</b>	150 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Dawn
<b>Observation Facility, Elevation:</b>	CHD,1243 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	06:45 Local	<b>Direction from Accident Site:</b>	0°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	25 miles
<b>Lowest Ceiling:</b>	Overcast / 2000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	4 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	80°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29.8 inches Hg	<b>Temperature/Dew Point:</b>	24°C / 3°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	CHANDLER, AZ (KCHD)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	VFR
<b>Departure Time:</b>		<b>Type of Airspace:</b>	Class D

## Airport Information

<b>Airport:</b>	Chandler Municipal Airport CHD	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	1243 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	04L	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	4850 ft / 75 ft	<b>VFR Approach/Landing:</b>	Traffic pattern

## 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>	33.26889,-111.811111

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Jones, Patrick
<b>Additional Participating Persons:</b>	Steve Hanes; Federal Aviation Administration; Scottsdale, AZ
<b>Original Publish Date:</b>	December 28, 2004
<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=57015">https://data.ntsb.gov/Docket?ProjectID=57015</a>

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