



# Aviation Investigation Final Report

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<b>Location:</b>	Huntsville, Alabama	<b>Accident Number:</b>	GAA16CA161
<b>Date &amp; Time:</b>	March 18, 2016, 12:45 Local	<b>Registration:</b>	N358CB
<b>Aircraft:</b>	Beech 58	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Landing gear not configured	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

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## Analysis

According to the pilot, after completing the maintenance test flight, he established a normal approach to the runway. However, he reported that he did not extend the landing gear prior to touchdown and the airplane landed with the landing gear retracted. The airplane sustained substantial damage to the left wing, left aileron and the bottom of the fuselage.

The pilot reported that there were no mechanical failures or anomalies with the airplane prior to or during the flight that would have prevented normal flight operation.

## Probable Cause and Findings

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

The pilot's failure to extend the landing gear prior to touchdown resulting in a landing with the landing gear retracted and consequent substantial damage.

## Findings

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**Personnel issues**

Use of equip/system - Pilot

**Aircraft**

Landing gear selector - Not used/operated

## Factual Information

### History of Flight

<b>Landing-flare/touchdown</b>	Abnormal runway contact
<b>Landing-flare/touchdown</b>	Landing gear not configured (Defining event)

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	57, 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>	None	<b>Restraint Used:</b>	3-point
<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 With waivers/limitations	<b>Last FAA Medical Exam:</b>	June 11, 2014
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	June 12, 2015
<b>Flight Time:</b>	(Estimated) 1158 hours (Total, all aircraft), 432 hours (Total, this make and model), 947 hours (Pilot In Command, all aircraft), 6 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Beech	<b>Registration:</b>	N358CB
<b>Model/Series:</b>	58 G	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	1978	<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	TH-985
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	6
<b>Date/Type of Last Inspection:</b>	March 11, 2016 Annual	<b>Certified Max Gross Wt.:</b>	5400 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	2 Reciprocating
<b>Airframe Total Time:</b>	5477 Hrs at time of accident	<b>Engine Manufacturer:</b>	CONTINENTAL MOTOR COMPANY
<b>ELT:</b>	C126 installed, not activated	<b>Engine Model/Series:</b>	IO 520 CB
<b>Registered Owner:</b>	DESE ENTERPRISES LLC	<b>Rated Power:</b>	285 Horsepower
<b>Operator:</b>	DESE ENTERPRISES LLC	<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>	Day
<b>Observation Facility, Elevation:</b>	HSV,755 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	17:53 Local	<b>Direction from Accident Site:</b>	15°
<b>Lowest Cloud Condition:</b>	Few / 15000 ft AGL	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>		<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	4 knots /	<b>Turbulence Type Forecast/Actual:</b>	/ None
<b>Wind Direction:</b>		<b>Turbulence Severity Forecast/Actual:</b>	/ N/A
<b>Altimeter Setting:</b>	29.95 inches Hg	<b>Temperature/Dew Point:</b>	22°C / 0°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Huntsville, AL (HSV)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Huntsville, AL (HSV)	<b>Type of Clearance:</b>	VFR
<b>Departure Time:</b>	12:45 Local	<b>Type of Airspace:</b>	Class C

## Airport Information

<b>Airport:</b>	HUNTSVILLE INTL-CARL T JONES F HSV	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	628 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	36R	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	10006 ft / 150 ft	<b>VFR Approach/Landing:</b>	Stop and go;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>	34.637222,-86.775001(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Hicks, Michael
<b>Additional Participating Persons:</b>	Timothy Sanders; Federal Aviation Administration; Vestavia Hills, AL
<b>Original Publish Date:</b>	June 1, 2016
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=92885">https://data.nts.gov/Docket?ProjectID=92885</a>

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