

Air Safety Investigations Aircraft Incident/Accident Technical Report

Aircraft Incident/ Accident Information	Year: 1967	Make: Beechcraft	Model: 95-C55
	Serial number: TE-298		Registration: N3717Q
Location: Mountain Ranch, CA		Date: 06-09-17	Time:
Aircraft Owner		Aircraft Operator	
D & D Inc. [REDACTED] Westley, CA 95387-0596		Le Roy Del Don [REDACTED] Patterson, CA 95363-2627	
Report Information			
Senior Air Safety Investigator: Peter J. Basile		Report #: ASI-17-BM-T	Report date:

Airframe

Impact Sequence and Airframe Structure

The aircraft descended through trees and impacted a steep hill. The initial tree impact separated approximately 4 feet of the left wing tip and the STC installed LED landing light. The next large piece of debris was approximately 4 feet of the right wing tip. About 10 feet further away was the left engine and the left wing with the left flap and left main landing gear still attached. The fuselage descended through several large trees and the tail was impact separated. The tail came to rest about 30 feet from the cabin area. The remaining inboard section of the right wing, with the engine and flap attached, remained connected to the fuselage.

Airframe Systems

Flight Control System Information		
Control lock: Not installed		
Flight Control Cable Continuity		
Ailerons: See below	Elevators: See below	Rudder: See below
Aileron tab: See below	Elevator tab: See below	Rudder tab: See below
Flap and Trim Positions		
Flaps:	Indicator: 0°	Handle: Undetermined
	Left actuator: Undetermined	Right actuator: 1.7" = 0°
Elevator trim:	Indicator: Undetermined	
	Left actuator: Undetermined	Right actuator: 1.6" = ~10° tab down
Rudder trim:	Indicator: Undetermined	Actuator: Undetermined
Aileron trim:	Indicator: Undetermined	Actuator: Undetermined

Remarks:

Control cable continuity was not established due to fragmentation of the wreckage.

Airframe Fuel System Condition, Controls, and Read Outs					
Fuel strainer screen:		Left: Undetermined		Right: Undetermined	
Fuel strainer bowl:		Left: Undetermined		Right: Undetermined	
Main fuel tank gauge:		Left: Undetermined		Right: Undetermined	
Auxiliary fuel gauge:		Left: Undetermined		Right: Undetermined	
Locker fuel gauge:		Left: Undetermined		Right: Undetermined	
Locker transfer:		Left: Undetermined		Right: Undetermined	
Fuel selector handle:	Left: See below	Fuel selector valve:	Left: See below	Fuel boost pump:	Left: Undetermined
	Right: See below		Right: See below		Right: Undetermined
Crossfeed shutoff: Undetermined					

Remarks:

The fuel selector handles were impact separated from the fuel selector valves. The handles were free to rotate and their post-impact positions were unreliable. The fuel selector valve roll pins were impact separated; position was undetermined.

Landing Gear System Condition and Controls			
Gear position:	Nose: See below	Left: Retracted	Right: Retracted
Actuator position:	Nose: Retracted	Left: Retracted	Right: Retracted
Landing gear selector: Undetermined		Aux gear control: Stowed	
Environmental System Controls and Read Outs			
Cabin heater: Undetermined	Cabin vent: Undetermined	Defrost: Undetermined	
Air conditioner: Undetermined	Oxygen system: Undetermined	Oxygen quantity: Undetermined	
Icing System Information and Switches			
Certified into known icing? No		De-ice boots installed? No	
Pitot heat: Undetermined		Stall heat: Undetermined	
De-ice:	Surface: Not applicable	Propeller: Undetermined	Windshield: Not applicable
Anti-ice:	Surface: Not applicable	Propeller: Not applicable	Windshield: Not applicable
ELT Information			
Installed? Yes	Manufacturer: Narco	Model: ELT 10	Type: P, AP, AF
Serial number: 35004	Battery due date: 09-18	Armed: No	Activated: Undetermined

Remarks:

The ELT was impact separated from the tail and found near the left engine. The switch was found in the OFF position.

Cabin and Equipment/Furnishings

Restraint System Information						
Seat	Occupied	Restraint type	Restraint used	Condition	Manufacturer	
1	Yes	Undetermined	Undt	Undetermined		
2	No	Undetermined	Undt	Undetermined		
3	No	Undetermined	Undt	Undetermined		
4	No	Undetermined	Undt	Undetermined		
5	No	Undetermined	Undt	Undetermined		
6	No	Undetermined	Undt	Undetermined		

Seat Condition Information					
Seat	Orientation	Feet intact	Back intact	Base intact	Rail intact
1	Forward facing	Undetermined			
2	Forward facing	Undetermined			
3	Forward facing	Undetermined			
4	Forward facing	Undetermined			
5	Forward facing	Undetermined			
6	Forward facing	Undetermined			

Remarks:

Instrument Panel

Navigation Instruments							
Analog primary instruments				Autopilot type: Undetermined			
Suction gage: Undetermined		Magnetic compass: Undetermined		Clock: Undetermined			
	Left side	Right side		Left side	Right side		
Airspeed:	Undt	Undt	Turn coordinator (airplane):	Undt	Undt		
Attitude (pitch):	Undt	Undt	Turn coordinator (ball):	Undt	Undt		
Attitude (roll):	Undt	Undt	Heading indicator:	Undt	Undt		
Altimeter:	Undt	Undt	Heading "bug":	Undt	Undt		
Altimeter setting:	Undt	Undt	Vertical speed indicator:	Undt	Undt		
Stand-by:	Airspeed: Undt		Attitude (pitch): Undt		Attitude (roll): Undt		
	Altimeter: Undt		Altimeter setting: Undt				
Communication and Navigation Radios							
Radio	Control	Active frequency	Stand-by frequency	Radio	Control	Active frequency	Stand-by frequency
Com 1:	Undt	Undetermined	Undetermined	Com 2:	Undt	Undetermined	Undetermined
Nav 1:	Undt	Undetermined	Undetermined	Nav 2:	Undt	Undetermined	Undetermined
Obs 1:	Undetermined			Obs 2:	Undetermined		
Transponder:	Mode: Undetermined		Active code: Undetermined		Stand-by code: Undetermined		
Electrical Switch Positions							
Master battery: Undetermined				Stand-by battery: Undetermined			
Left alternator: Undetermined				Right alternator: Undetermined			
Avionics 1: Undetermined				Avionics 2: Undetermined			
Lighting Switch Positions							
Navigation: Undetermined		Rotating beacon: Undetermined		Landing: Undetermined			
Taxi: Undetermined		Strobe: Undetermined		Instrument: Undetermined			
Wing Ice: Undetermined							
Ignition Switch Positions							
Left engine:	Left magneto: Undetermined			Right magneto: Undetermined			
Right engine:	Left magneto: Undetermined			Right magneto: Undetermined			

Remarks:

Powerplant Description

Engine Instruments					
Hour meter: Undetermined					
	Left engine	Right engine		Left engine	Right engine
Tach RPM:	Undt	Undt	CHT:	Undt	Undt
Manifold press:	Undt	Undt	Fuel press:	Undt	Undt
Oil press:	Undt	Undt	Fuel flow:	Undt	Undt
Oil temp:	Undt	Undt	Ammeter:	Undt	Undt
EGT:	Undt	Undt	Voltmeter:	Undt	Undt
Left Engine Control Positions					
	Cockpit	Engine		Cockpit	Engine
Throttle:	Undetermined	Undetermined	Cowl flaps:	Undetermined	Undetermined
Mixture:	Undetermined	Undetermined	Carb heat:	Undetermined	Undetermined
Propeller:	Undetermined	Undetermined	Primer:	Undetermined	
Right Engine Control Positions					
	Cockpit	Engine		Cockpit	Engine
Throttle:	Undetermined	Undetermined	Cowl flaps:	Undetermined	Undetermined
Mixture:	Undetermined	Undetermined	Carb heat:	Undetermined	Undetermined
Propeller:	Undetermined	Undetermined	Primer:	Undetermined	
Engine Condition					
	Left engine	Right engine			
Engine attached to airframe:	Undetermined	Undetermined			
Propeller attached to engine:	Undetermined	Undetermined			
Engine compression:	Undetermined	Undetermined			
Vacuum pump drive shaft:	Undetermined	Undetermined			
Valve train continuity:	Undetermined	Undetermined			
Engine Fuel System Condition					
	Left engine	Right engine			
Fuel pump drive shaft:	Undetermined	Undetermined			
Fuel injectors:	Undetermined	Undetermined			
Fuel control inlet screen:	Undetermined	Undetermined			
Distribution valve screen:	Undetermined	Undetermined			

Engine Magneto Condition						
	Left engine			Right engine		
Left magneto attached:	Undetermined			Undetermined		
Left magneto spark:	Undetermined			Undetermined		
Right magneto attached:	Undetermined			Undetermined		
Right magneto spark:	Undetermined			Undetermined		
Left Engine Spark Plug Condition (per Champion Check-A-Plug Card)						
	1	2	3	4	5	6
Top	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined
Bottom	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined
Right Engine Spark Plug Condition (per Champion Check-A-Plug Card)						
	1	2	3	4	5	6
Top	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined
Bottom	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined	Undetermined

Remarks:

Propellers

Research & Testing