



Aviation Investigation Final Report

Location:	PINEVILLE, Louisiana	Accident Number:	FTW92LA185
Date & Time:	July 22, 1992, 17:00 Local	Registration:	N2TY
Aircraft:	BEECH D55	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation		

Analysis

THE PILOT SAID THAT DURING DEPARTURE FROM A 3,000 FEET RUNWAY WITH A LAKE AT THE END OF THE IT, UPON REACHING LIFTOFF AIRSPEED, THE YOKE WOULD NOT COME BACK WHEN HE PULLED ON IT. THE MAIN WHEELS THEN RAISED OFF THE RUNWAY AND THE PILOT ELECTED TO CONTINUE AS THERE WAS NOT ENOUGH RUNWAY REMAINING TO ABORT THE TAKEOFF. THE PILOT STATED, THE AIRPLANE FLEW OVER THE LAKE, SKIPPING ON THE SURFACE SEVERAL TIMES, AND IMPACTED ONTO THE OPPOSITE SHORELINE. THE FAA INSPECTOR AND A MECHANIC CONFIRMED CONTROL CONTINUITY. THE AIRPLANE'S COCKPIT PANEL HAD RECEIVED EXTENSIVE DAMAGE AND EVIDENCE OF BINDING COULD NOT BE DETERMINED. AN EXAMINATION OF THE AIRPLANE'S LOGBOOK REVEALED THAT THE YOKE ASSEMBLY HAD BEEN SWITCHED SEVERAL TIMES OVER THE PAST FEW YEARS.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE MECHANICAL BINDING OF THE YOKE AFTER LIFTOFF.

Findings

Occurrence #1: AIRFRAME/COMPONENT/SYSTEM FAILURE/MALFUNCTION
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) FLT CONTROL SYST, YOKE/CONTROL STICK - BINDING(MECHANICAL)

2. REMEDIAL ACTION - NOT POSSIBLE - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: OTHER

Factual Information

Pilot Information

Certificate:	Commercial; Flight instructor	Age:	47, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane single-engine	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical-w/ waivers/lim	Last FAA Medical Exam:	January 25, 1992
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	
Flight Time:	7000 hours (Total, all aircraft), 250 hours (Total, this make and model), 5500 hours (Pilot In Command, all aircraft), 25 hours (Last 90 days, all aircraft), 10 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BEECH	Registration:	N2TY
Model/Series:	D55 D55	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	TE-695
Landing Gear Type:	Retractable - Tricycle	Seats:	6
Date/Type of Last Inspection:	February 1, 1992 Annual	Certified Max Gross Wt.:	5300 lbs
Time Since Last Inspection:	26 Hrs	Engines:	2 Reciprocating
Airframe Total Time:	3772 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	IO-520
Registered Owner:	AIRTAIX AVIATION INC.	Rated Power:	285 Horsepower
Operator:	AIRTAIX AVIATION INC.	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Unknown	Visibility	10 miles
Lowest Ceiling:	Broken / 5000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	32°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	(9LA6)	Type of Flight Plan Filed:	None
Destination:	NEW ORLEANS , LA (NEW)	Type of Clearance:	None
Departure Time:	16:58 Local	Type of Airspace:	Class G

Airport Information

Airport:		Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	31.330173,-92.41056(est)

Administrative Information

Investigator In Charge (IIC): Wall, Ray

Additional Participating Persons: SAMUEL P MUNN; BATON ROUGE , LA
JOHN E ABEL; BATON ROUGE , LA

Original Publish Date: June 11, 1993

Last Revision Date:

Investigation Class: [Class](#)

Note:

Investigation Docket: <https://data.ntsb.gov/Docket?ProjectID=18536>

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