



National Transportation Safety Board Aviation Accident Final Report

Location:	MILLBURY, OH	Accident Number:	CHI90LA038
Date & Time:	12/01/1989, 1630 EST	Registration:	N43416
Aircraft:	TAYLORCRAFT BC12D	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 None

Flight Conducted Under: Part 91: General Aviation - Personal

Analysis

BEFORE THE FLIGHT, A STUDENT PILOT INQUIRED IF HE COULD ACCOMPANY THE PILOT ON THE FLIGHT, AND THE PILOT CONSENTED. THE PILOT ADJUSTED THE THROTTLE AND BEGAN TO START THE ENGINE BY HAND-PROPPING IT. MEANWHILE, THE PASSENGER/STUDENT PILOT BOARDED THE TAYLORCRAFT. THE ENGINE STARTED, THE PLANE BEGAN MOVING FORWARD, AND THE PILOT ATTEMPTED TO ARREST ITS MOVEMENT BY GRABBING THE LEFT WING STRUT. THE PLANE THEN PIVOTED AROUND THE PILOT AND COLLIDED WITH A PARKED AIRCRAFT. AN INVESTIGATION REVEALED THE THROTTLE WAS EASY TO MOVE. THE PILOT AND AN FAA INSPECTOR CONCLUDED THAT THE PASSENGER/STUDENT PILOT MUST HAVE 'BUMPED' THE THROTTLE AS HE ENTERED THE COCKPIT.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: FAILURE OF THE PILOT TO PROPERLY SECURE THE AIRCRAFT AND/OR ADEQUATELY BRIEF THE PASSENGER (STUDENT PILOT), AND INADVERTENT BUMPING OF THE THROTTLE BY THE PASSENGER.

Findings

Occurrence #1: MISCELLANEOUS/OTHER

Phase of Operation: STANDING - STARTING ENGINE(S)

Findings

1. (C) TIE DOWN - NOT USED - PILOT IN COMMAND
2. (C) PASSENGER BRIEFING - INADEQUATE - PILOT IN COMMAND
3. (C) THROTTLE/POWER CONTROL - INADVERTENT ACTIVATION - PASSENGER

Occurrence #2: ON GROUND/WATER COLLISION WITH OBJECT

Phase of Operation: TAXI

Findings

4. OBJECT - AIRCRAFT PARKED/STANDING

Factual Information

Pilot Information

Certificate:	Private	Age:	46, Female
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Expired	Last FAA Medical Exam:	10/07/1987
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	248 hours (Total, all aircraft), 196 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	TAYLORCRAFT	Registration:	N43416
Model/Series:	BC12D BC12D	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	7075
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	1200 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	A-65
Registered Owner:	JOHNNY J. BROWN	Rated Power:	65 hp
Operator:	JOHNNY J. BROWN	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	TOL, 684 ft msl	Distance from Accident Site:	15 Nautical Miles
Observation Time:	1650 EST	Direction from Accident Site:	275°
Lowest Cloud Condition:	Scattered / 3000 ft agl	Visibility	12 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	110°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	2° C / -3° C
Precipitation and Obscuration:			
Departure Point:		Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	0000	Type of Airspace:	

Airport Information

Airport:	METCALF FIELD (TDZ)	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:	

Administrative Information

Investigator In Charge (IIC):	DAY	WATERMAN	Report Date:	06/30/1992
Additional Participating Persons:				
Publish Date:				
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .			

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).