



National Transportation Safety Board Aviation Accident Data Summary

Location:	MILLBURY, OH	Accident Number:	CHI90LA038
Date & Time:	12/01/1989, 1630 EST	Registration:	N43416
Aircraft:	TAYLORCRAFT BC12D	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

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

Pilot Information

Certificate:	Private	Age:	46
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
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	Engines:	1 Reciprocating
Operator:	JOHNNY J. BROWN	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	A-65
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	TOL, 684 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	5 knots / , 110°
Temperature:	2°C	Visibility	12 Miles
Precipitation and Obscuration:			
Departure Point:	Destination:		

Airport Information

Airport:	METCALF FIELD (TDZ)	Runway Surface Type:	
Runway Used:	0	Runway Surface Condition:	
Runway Length/Width:			

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
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC): DAY WATERMAN Adopted Date: 06/30/1992

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/>.

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