



National Transportation Safety Board Aviation Accident Data Summary

Location:	DURANT, OK	Accident Number:	FTW84LA155B
Date & Time:	03/02/1984, 1650 CST	Registration:	N704VC
Aircraft:	CESSNA 150M	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

BEFORE TAKEOFF, A STUDENT & A COMMERCIAL PLT AGREED TO RENDEZVOUS & FLY FORMATION WHILE THE STUDENT TOOK PICTURES OF THE COMMERCIAL PLT'S ACFT. THE STUDENT WAS TO FLY A CESSNA 152, N4861B, WHILE THE COMMERCIAL PLT FLEW A CESSNA 150, N704V6. THEY PLANNED FOR THE STUDENT TO FLY STRAIGHT & LEVEL WHILE THE COMMERCIAL PLT FLEW AT POSITIONS AROUND THE STUDENT'S PLANE. ALSO, THEY AGREED TO COMMUNICATE ON VHF FREQ 122.9. AFTER DEPARTING THE ARPT, THE COMMERCIAL PLT JOINED (RENDEVOUSED) WITH THE STUDENT, BUT 2-WAY COMMUNICATION WAS NOT ESTABLISHED SINCE THE CESSNA 150 WOULD ONLY RECEIVED (NOT TRANSMIT) ON 122.9. HOWEVER, THEY CONTINUED WITH THEIR MISSION. WHILE ON AN EASTERLY HEADING IN FORMATION, THE COMMERCIAL PLT'S PLANE WAS ON THE LEFT & SLIGHTLY LOW, WHEN THE 2 ACFT CONVERGED & THE WINGS COLLIDED. THE STUDENT'S PLANE WAS SUBSTANTIALLY DAMAGE WHILE THE COMMERCIAL PLT'S ACFT HAD MINOR DAMAGE, BUT BOTH LANDED SAFELY. NEITHER PLT HAD PREVIOUS TRAINING OR EXPERIENCE WITH FORMATION FLT.

Probable Cause

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

Findings

Occurrence #1: MIDAIR COLLISION
Phase of Operation: OTHER

Findings

1. (F) JUDGMENT - POOR - PILOT IN COMMAND
2. (F) LACK OF TOTAL EXPERIENCE IN TYPE OPERATION - PILOT IN COMMAND
3. (F) JUDGMENT - POOR - PILOT OF OTHER AIRCRAFT
4. (F) LACK OF TOTAL EXPERIENCE - PILOT OF OTHER AIRCRAFT
5. (F) LACK OF TOTAL EXPERIENCE IN TYPE OPERATION - PILOT OF OTHER AIRCRAFT
6. (C) CLEARANCE - NOT MAINTAINED - PILOT IN COMMAND
7. (C) CLEARANCE - NOT MAINTAINED - PILOT OF OTHER AIRCRAFT

Pilot Information

Certificate:	Commercial	Age:	24
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	267 hours (Total, all aircraft), 267 hours (Total, this make and model), 230 hours (Pilot In Command, all aircraft), 19 hours (Last 90 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N704VC
Model/Series:	150M 150M	Engines:	1 Reciprocating
Operator:	SOUTHEASTERN FOUNDATION	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:		Engine Model/Series:	O-200-A
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:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	Light and Variable / ,
Temperature:	18°C	Visibility	7 Miles
Precipitation and Obscuration:			
Departure Point:	DURANT, OK (DUA)	Destination:	

Airport Information

Airport:		Runway Surface Type:	
Runway Used:	0	Runway Surface Condition:	
Runway Length/Width:			

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Minor
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC): T. D MCFALL

Adopted 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/>.

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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.