



National Transportation Safety Board Aviation Accident Data Summary

Location:	SHELBYVILLE, TN	Accident Number:	ATL92LA043
Date & Time:	02/02/1992, 1145 CST	Registration:	N6299Q
Aircraft:	CESSNA 152	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

THE STUDENT PILOT WAS LANDING AT THE FIRST STOP OF A LONG CROSS-COUNTRY. DURING THE LANDING APPROACH HER ATTENTION WAS DIVERTED BY ANOTHER AIRPLANE IN THE LANDING PATTERN. SHE STATED THAT SHE SHORTENED THE LANDING PATTERN, WAS A LITTLE FAST ON THE APPROACH, & USED 10 DEGREES VICE 20 DEGREES OF FLAPS. WHEN THE RWY WAS MADE, SHE RETARDED THE THROTTLE, & AS SHE WAS ABOUT TO FLARE FOR LANDING, THE AIRPLANE LANDED HARD. THE NOSE GEAR COLLAPSED.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE IMPROPER LEVEL OFF BY THE STUDENT PILOT BECAUSE OF MISJUDGING THE AIRPLANE'S ALTITUDE ABOVE THE RUNWAY. A FACTOR WAS HER DIVERTED ATTENTION BY AN AIRCRAFT BEHIND HER IN THE TRAFFIC PATTERN.

Findings

Occurrence #1: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

- Findings
1. (C) ALTITUDE - MISJUDGED - PILOT IN COMMAND
 2. (C) LEVEL OFF - IMPROPER - PILOT IN COMMAND
 3. (F) DIVERTED ATTENTION - PILOT IN COMMAND
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Occurrence #2: NOSE GEAR COLLAPSED
Phase of Operation: LANDING - FLARE/TOUCHDOWN

- Findings
4. LANDING GEAR, NOSE GEAR ASSEMBLY - OVERLOAD

Pilot Information

Certificate:	Student	Age:	21
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	48 hours (Total, all aircraft), 35 hours (Total, this make and model), 14 hours (Pilot In Command, all aircraft), 11 hours (Last 90 days, all aircraft), 3 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N6299Q
Model/Series:	152 152	Engines:	1 Reciprocating
Operator:	C & G AIRCRAFT SALES, INC.	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-235-L2C
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	BNA, 599 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Overcast / 25000 ft agl	Wind Speed/Gusts, Direction:	2 knots / , 30°
Temperature:	13°C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	CHATTONOOGA, TN (CHA)	Destination:	

Airport Information

Airport:	BOMAR FIELD (SYI)	Runway Surface Type:	Asphalt
Runway Used:	36	Runway Surface Condition:	Dry
Runway Length/Width:	5003 ft / 100 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC): Preston E Hicks

Adopted Date: 08/13/1993

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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