



National Transportation Safety Board Aviation Accident Data Summary

Location:	LAWRENCE, MA	Accident Number:	NYC99LA086
Date & Time:	04/02/1999, 0856 EST	Registration:	N66162
Aircraft:	Cessna 172P	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

After a dual instructional flight, the student pilot (SP) departed for his first solo flight. The SP was attempting a touch and go landing, when the airplane's nose wheel contacted the runway, and the airplane bounced back up into the air. The airplane bounced two to three times, and its propeller struck the runway. The airplane came to rest on the runway. Examination of the airplane did not reveal evidence of any pre-impact mechanical malfunctions of the airframe or engine. The airplane's nose gear had been driven up into the fuselage, damaging the firewall. The SP reported 35 hours of total flight experience, of which, 24 hours were in the past 90 days.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The student pilot's improper flare, and his improper recover from a bounced landing.

Findings

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

Findings

1. (C) FLARE - IMPROPER - PILOT IN COMMAND
2. (C) RECOVERY FROM BOUNCED LANDING - IMPROPER - PILOT IN COMMAND

Pilot Information

Certificate:	Student	Age:	43
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	35 hours (Total, all aircraft), 24 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N66162
Model/Series:	172P 172P	Engines:	1 Reciprocating
Operator:	FOUR STAR AVIATION	Engine Manufacturer:	Lycoming
Operating Certificate(s) Held:	None	Engine Model/Series:	O-320
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:	LWM, 148 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Overcast / 4300 ft agl	Wind Speed/Gusts, Direction:	8 knots / , 80°
Temperature:	8°C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	(LWM)	Destination:	

Airport Information

Airport:	LAWRENCE MUNICIPAL (LWM)	Runway Surface Type:	Asphalt
Runway Used:	5	Runway Surface Condition:	Dry
Runway Length/Width:	5000 ft / 159 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):	LUKE SCHIADA	Adopted Date:	08/10/2000
Investigation Docket:	NTSB accident and incident docket 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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