



National Transportation Safety Board Aviation Accident Data Summary

Location:	San Jose, CA	Accident Number:	LAX05CA128
Date & Time:	04/01/2005, 1325 PST	Registration:	N4789G
Aircraft:	Cessna 172N	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The airplane landed hard as the student pilot was practicing a soft field landing. The student said he flared too high and reduced the power to idle at the same time, which resulted in a hard landing. The student had been practicing short and soft field takeoffs and landings with his instructor. The instructor believed the student pilot was ready to practice on his own. The accident flight was the student's fourth solo flight, and was an unsupervised solo.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: the student pilot's misjudged landing flare, which resulted in a hard landing.

Findings

Occurrence #1: HARD LANDING

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. (C) FLARE - MISJUDGED - PILOT IN COMMAND

Student Pilot Information

Certificate:	Student	Age:	19
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	
Flight Time:	35 hours (Total, all aircraft), 35 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	Cessna	Registration:	N4789G
Model/Series:	172N	Engines:	1 Reciprocating
Operator:	American School of Aviation	Engine Manufacturer:	Lycoming
Air Carrier Operating Certificate:	None	Engine Model/Series:	O-320-H2AD
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	SJC	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	Broken / 20000 ft agl
Condition of Light:	Day	Wind Speed/Gusts, Direction:	11 knots, 320°
Temperature:	22° C / 8° C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	San Jose, CA (KRHV)	Destination:	San Jose, CA (KRHV)

Airport Information

Airport:	Reid Hillview (KRHV)	Runway Surface Type:	Asphalt
Runway Used:	31L	Runway Surface Condition:	Dry
Runway Length/Width:	3099 ft / 75 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:	

Administrative Information

Investigator In Charge (IIC):	Tealeye Cornejo	Adopted Date:	07/07/2005
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
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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