



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	El Cajon, CA	<b>Accident Number:</b>	LAX08CA090
<b>Date &amp; Time:</b>	04/01/2008, 1500 PDT	<b>Registration:</b>	N64938
<b>Aircraft:</b>	Cessna 152	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None

**Flight Conducted Under:** Part 91: General Aviation - Instructional

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## Analysis

The student was on a solo flight to practice touch-and-go landings. He said he made six successful landings, but noticed that the winds were increasing. On the seventh approach, the winds were variable and started to gust. The student said that he maintained 55 knots as he came over the approach end of the runway. The airplane suddenly drifted to the left side of the runway. He used ailerons, and corrected to the centerline. The airplane touched down hard, and bounced. After the airplane came to rest, he saw smoke and fire, and evacuated from the airplane.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: the student pilot's inadequate compensation for gusty, crosswind conditions, and failure to maintain an adequate airspeed.

## Findings

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

### Findings

1. WEATHER CONDITION - CROSSWIND
2. WEATHER CONDITION - GUSTS
3. (C) COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND
4. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
5. (C) STALL/MUSH - ENCOUNTERED - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Student	<b>Age:</b>	20, Male
<b>Airplane Rating(s):</b>	None	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt, Shoulder harness
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>		<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 1	<b>Last Medical Exam:</b>	01/01/2008
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	27 hours (Total, all aircraft), 27 hours (Total, this make and model), 27 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft), 7 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	Cessna	<b>Registration:</b>	N64938
<b>Model/Series:</b>	152	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	15281486
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	03/01/2008, 100 Hour	<b>Certified Max Gross Wt.:</b>	
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	Lycoming
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-235-L2C
<b>Registered Owner:</b>	Fly CFA LLC	<b>Rated Power:</b>	
<b>Operator:</b>	Fly CFA LLC	<b>Air Carrier Operating Certificate:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	CLWS

## Meteorological Information and Flight Plan

Observation Facility, Elevation:	KSEE, 388 ft msl	Observation Time:	1549 PDT
Distance from Accident Site:		Condition of Light:	Day
Direction from Accident Site:		Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Few / 4000 ft agl	Temperature/Dew Point:	18°C / 7°C
Lowest Ceiling:	Broken / 12000 ft agl	Visibility	10 Miles
Wind Speed/Gusts, Direction:	15 knots, 290°	Visibility (RVR):	
Altimeter Setting:	30.04 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	El Cajkon, CA (SEE)	Type of Flight Plan Filed:	None
Destination:	El Cajkon, CA (SEE)	Type of Clearance:	VFR
Departure Time:	1400 PDT	Type of Airspace:	

## Airport Information

Airport:	Gillespie Field (KSEE)	Runway Surface Type:	Asphalt
Airport Elevation:		Runway Surface Condition:	Dry
Runway Used:	27L	IFR Approach:	None
Runway Length/Width:	2738 ft / 60 ft	VFR Approach/Landing:	Touch and Go

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None		

## Administrative Information

Investigator In Charge (IIC):	Howard Plagens	Adopted Date:	04/30/2008
Additional Participating Persons:	Greg Nolting; Federal Aviation Administration; San Diego, CA		
Publish Date:			
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 <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .		

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