



Aviation Investigation Final Report

Location:	SAN JOSE, California	Accident Number:	LAX92LA132
Date & Time:	February 29, 1992, 13:54 Local	Registration:	N3451V
Aircraft:	CESSNA 195A	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 Minor
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

A CESSNA 195A LANDED HARD, BOUNCED, AND NOSED OVER WHILE LANDING ON RUNWAY 30R WITH A LEFT QUARTERING TAIL/CROSSWIND. THE WINDS WERE REPORTED TO BE FROM 190 DEGREES AT 10 KNOTS AND THE PILOT FAILED TO PROPERLY COMPENSATE FOR THE EXISTING WIND CONDITIONS AND RECOVER FROM THE RESULTING BOUNCED LANDING. THE PILOT INDICATED THAT ON TOUCHDOWN THE AIRPLANE SWERVED TO THE RIGHT AND THE NOSE PITCHED DOWN. THE PROPELLER THEN STRUCK THE RUNWAY SURFACE AND THE AIRPLANE NOSED OVER AND CAME TO REST INVERTED. POST FLIGHT EXAMINATION OF THE AIRPLANE REVEAL THE RIGHT MAIN GEAR WHEEL FAIRING HAD CONTACTED THE TIRE. THE PILOT INDICATED THAT THE RIGHT MAIN LANDING GEAR TIRE HAD SCRAPE MARKS ON BOTH SIDEWALLS AND A GOUGE IN THE TREAD FROM CONTACT WITH THE WHEEL FAIRING MUD SCRAPER.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S IMPROPER COMPENSATION FOR THE EXISTING WIND CONDITIONS AND IMPROPER RECOVERY FROM A BOUNCED LANDING. CONTRIBUTING TO THE ACCIDENT WAS THE LEFT QUARTERING TAIL/CROSSWIND.

Findings

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

Findings

1. (F) WEATHER CONDITION - TAILWIND
2. (F) WEATHER CONDITION - CROSSWIND
3. (C) COMPENSATION FOR WIND CONDITIONS - IMPROPER - PILOT IN COMMAND
4. (C) RECOVERY FROM BOUNCED LANDING - IMPROPER - PILOT IN COMMAND

Occurrence #2: NOSE OVER

Phase of Operation: LANDING - ROLL

Factual Information

Pilot Information

Certificate:	Airline transport	Age:	67, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Unknown
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--w/ waivers/lim	Last FAA Medical Exam:	September 23, 1991
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	18000 hours (Total, all aircraft), 2000 hours (Total, this make and model), 10000 hours (Pilot In Command, all aircraft), 14 hours (Last 90 days, all aircraft), 14 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N3451V
Model/Series:	195A 195A	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	7148
Landing Gear Type:	Tailwheel	Seats:	5
Date/Type of Last Inspection:	November 26, 1991 Annual	Certified Max Gross Wt.:	3350 lbs
Time Since Last Inspection:	10 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	5826 Hrs	Engine Manufacturer:	JACOBS
ELT:	Installed, not activated	Engine Model/Series:	R-755-B2
Registered Owner:	PENNEY, JAMES H.	Rated Power:	275 Horsepower
Operator:	PENNEY, JAMES H.	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	SJC ,56 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	13:50 Local	Direction from Accident Site:	120°
Lowest Cloud Condition:	Clear	Visibility	20 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	10 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	190°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	21°C / 6°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	LIVERMORE , CA (LVK)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	11:00 Local	Type of Airspace:	Class D

Airport Information

Airport:	SAN JOSE INTL SJC	Runway Surface Type:	Asphalt
Airport Elevation:	56 ft msl	Runway Surface Condition:	Dry
Runway Used:	30R	IFR Approach:	None
Runway Length/Width:	4419 ft / 150 ft	VFR Approach/Landing:	Full stop

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor	Latitude, Longitude:	37.340232,-121.900238(est)

Administrative Information

Investigator In Charge (IIC):	Wilcox, Thomas
Additional Participating Persons:	ASI HAROLD CACCAMISE; SAN JOSE , CA
Original Publish Date:	August 26, 1993
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=27569

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