



Aviation Investigation Final Report

Location:	CHICO, California	Accident Number:	LAX90LA224
Date & Time:	June 20, 1990, 17:34 Local	Registration:	N72122
Aircraft:	CESSNA 140	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

THE STUDENT PILOT INTENDED TO PRACTICE TAKEOFFS AND LANDINGS. ON THE FIRST LANDING, THE STUDENT PILOT LEVELED OFF TOO HIGH, BOUNCED AND BEGAN TO PORPOISE. HE THEN IMPROPERLY USED THE NORMAL BRAKES AND RUDDER AND FAILED TO MAINTAIN DIRECTIONAL CONTROL. THE AIRPLANE EXITED THE RUNWAY SEVERING THE RIGHT MAIN GEAR IN THE PROCESS. THE INVESTIGATION REVEALED THAT THE STUDENT PILOT HAD RECEIVED TRAINING ON RECOVERY FROM BOUNCED LANDINGS.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT IMPROPERLY LEVELED OFF, FAILED TO CORRECT THE ENSUING PORPOISE, TOOK IMPROPER REMEDIAL ACTION, AND IMPROPERLY USED THE RUDDER AND NORMAL BRAKES.

Findings

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

Findings
1. (C) LEVEL OFF - MISJUDGED - PILOT IN COMMAND

Occurrence #2: LOSS OF CONTROL - ON GROUND/WATER

Phase of Operation: LANDING - ROLL

Findings

2. (C) PORPOISE/PILOT-INDUCED OSCILLATION - NOT CORRECTED - PILOT IN COMMAND
3. (C) REMEDIAL ACTION - IMPROPER - PILOT IN COMMAND
4. (C) BRAKES(NORMAL) - IMPROPER USE OF - PILOT IN COMMAND
5. (C) RUDDER - IMPROPER USE OF - PILOT IN COMMAND

Occurrence #3: MAIN GEAR COLLAPSED

Phase of Operation: LANDING - ROLL

Findings

6. LANDING GEAR,MAIN GEAR STRUT - OVERLOAD

Factual Information

Pilot Information

Certificate:	Student	Age:	44, Male
Airplane Rating(s):	None	Seat Occupied:	Unknown
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	December 20, 1988
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	66 hours (Total, all aircraft), 66 hours (Total, this make and model), 22 hours (Pilot In Command, all aircraft), 11 hours (Last 90 days, all aircraft), 4 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N72122
Model/Series:	140 140	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:		Serial Number:	9289
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	1450 lbs
Time Since Last Inspection:	0 Hrs	Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	C-90-14F
Registered Owner:	UNKNOWN	Rated Power:	90 Horsepower
Operator:	MONZINGO, ESTHER S.	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:	CIC ,238 ft msl	Distance from Accident Site:	
Observation Time:	17:34 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	40 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	10 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	140°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	-18°C / -18°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	(CIC)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	VFR
Departure Time:	17:20 Local	Type of Airspace:	Class D

Airport Information

Airport:	CHICO CIC	Runway Surface Type:	Asphalt
Airport Elevation:	238 ft msl	Runway Surface Condition:	Dry
Runway Used:	13R	IFR Approach:	None
Runway Length/Width:	6724 ft / 150 ft	VFR Approach/Landing:	Touch and go;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	39.740604,-121.830261(est)

Administrative Information

Investigator In Charge (IIC):	Llorente, A.d.
Additional Participating Persons:	ROBERT ENRIQUEZ; SACRAMENTO , CA
Original Publish Date:	September 10, 1992
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=26844

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