



# Aviation Investigation Final Report

<b>Location:</b>	San Diego, California	<b>Accident Number:</b>	LAX06LA166
<b>Date &amp; Time:</b>	May 8, 2006, 12:30 Local	<b>Registration:</b>	N5M
<b>Aircraft:</b>	McKenzie Lancair IV-P Turbine	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The airplane veered off the runway after the left main gear collapsed on landing. The pilot was cleared to land on runway 28L. He lowered the landing gear in preparation for landing, and received an indication of three green lights confirming that the gear was down and locked. At this point, an electrical power failure occurred, and he initiated a go-around. He turned the emergency battery on, and this restored power to the radio and several critical systems. The gear lights indicated that only the nose and right main were now down and locked. He asked the tower controller to confirm the gear position. The tower said it appeared to be down, and cleared the pilot to land on runway 28R. Upon touchdown, the left main gear collapsed. The pilot stated that he should have tried to pump the gear in an attempt to get it in the locked position. No determination was made regarding the reason for the collapse of the left main landing gear.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The collapse of the left main gear for undetermined reasons. A factor was the pilot's inadequate remedial action in response to the left main gear not locked warning light by not attempting to manually extend the gear to ensure it was fully down and locked.

## Findings

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

#### Findings

1. (C) LANDING GEAR,MAIN GEAR - COLLAPSED
2. (F) REMEDIAL ACTION - INADEQUATE - PILOT IN COMMAND
3. (F) GEAR DOWN AND LOCKED - NOT ATTAINED - PILOT IN COMMAND

## Factual Information

On May 8, 2006, about 1230 Pacific daylight time, a McKenzie Lancair experimental IV-P Turbine, N5M, veered off the runway after the left main gear collapsed on landing at Montgomery Field, San Diego, California. The pilot/owner was operating the airplane under the provisions of 14 CFR Part 91. The private pilot was not injured; the airplane sustained substantial damage. The cross-country personal flight departed Phoenix Deer Valley, Phoenix, Arizona, about 1130, with a planned destination of Montgomery Field. Visual meteorological conditions prevailed, and no flight plan had been filed.

The pilot submitted a written report. He was cleared to land on runway 28L at Montgomery Field. He lowered the landing gear in preparation for landing, and received an indication of three green lights confirming that the gear was down and locked. At this point, an electrical power failure occurred, and he initiated a go-around. He turned the emergency battery on, and this restored power to the radio. The gear lights indicated that only two were down and locked. He asked the tower controller to confirm the gear position. The tower said it appeared to be down, and cleared the pilot to land on runway 28R. Upon touchdown the left main gear collapsed. The pilot stated that he should have tried to pump the gear in an attempt to get it in the locked position.

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	58, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3	<b>Last FAA Medical Exam:</b>	December 1, 2006
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	1700 hours (Total, all aircraft), 125 hours (Total, this make and model)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	McKenzie	<b>Registration:</b>	N5M
<b>Model/Series:</b>	Lancair IV-P Turbine	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	Yes
<b>Airworthiness Certificate:</b>	Experimental (Special)	<b>Serial Number:</b>	LIV-490
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	May 1, 2005 Annual	<b>Certified Max Gross Wt.:</b>	3500 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Turbo prop
<b>Airframe Total Time:</b>	270 Hrs at time of accident	<b>Engine Manufacturer:</b>	Walter
<b>ELT:</b>	Installed	<b>Engine Model/Series:</b>	
<b>Registered Owner:</b>	William A. Stern	<b>Rated Power:</b>	
<b>Operator:</b>	William A. Stern	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	MYF,446 ft msl	<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>	12:53 Local	<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	1800 ft AGL	<b>Visibility</b>	7 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	7 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	240°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29.94 inches Hg	<b>Temperature/Dew Point:</b>	20°C / 13°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Phoenix, AZ (KDVT)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	San Diego, CA (KMYF)	<b>Type of Clearance:</b>	VFR
<b>Departure Time:</b>	11:30 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	Montgomery Field KMYF	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	427 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	28R	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	4577 ft / 150 ft	<b>VFR Approach/Landing:</b>	Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	32.815555,-117.14389

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Plagens, Howard
<b>Additional Participating Persons:</b>	Ty Park; Federal Aviation Administration ; San Diego, CA
<b>Original Publish Date:</b>	July 25, 2007
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.ntsb.gov/Docket?ProjectID=63654">https://data.ntsb.gov/Docket?ProjectID=63654</a>

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