



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	SAN JOSE, CA	<b>Accident Number:</b>	LAX92LA372
<b>Date &amp; Time:</b>	09/01/1992, 1001 PDT	<b>Registration:</b>	N8070
<b>Aircraft:</b>	MAULE M5-180C	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None

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

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## Analysis

THE AIRCRAFT BOUNCED ON LANDING AND YAWED TO THE RIGHT. THE PILOT APPLIED POWER FOR A GO AROUND, LOST CONTROL OF THE AIRCRAFT AND THE AIRCRAFT GROUND LOOPED. THE PILOT INDICATED THAT THERE WERE NO MECHANICAL FAILURES OR MALFUNCTIONS WITH THE AIRPLANE.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:  
THE PILOT'S MISJUDGED LANDING FLARE WHICH RESULTED IN A BOUNCED LANDING AND THE PILOT'S IMPROPER RECOVERY FROM THE BOUNCED LANDING.

## Findings

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Occurrence #1: HARD LANDING

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

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

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

Phase of Operation: GO-AROUND (VFR)

Findings

2. (C) RECOVERY FROM BOUNCED LANDING - IMPROPER - PILOT IN COMMAND

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Occurrence #3: ON GROUND/WATER COLLISION WITH OBJECT

Phase of Operation: TAKEOFF - ROLL/RUN

Findings

3. OBJECT - SIGN

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	37, Male
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt, Shoulder harness
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	03/11/1991
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	221 hours (Total, all aircraft), 7 hours (Total, this make and model), 160 hours (Pilot In Command, all aircraft), 36 hours (Last 90 days, all aircraft), 7 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	MAULE	<b>Registration:</b>	N8070
<b>Model/Series:</b>	M5-180C M5-180C	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	8070C
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	08/01/1992, Annual	<b>Certified Max Gross Wt.:</b>	2300 lbs
<b>Time Since Last Inspection:</b>	4 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	690 Hours	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-360-C1F
<b>Registered Owner:</b>	EDWARDS, JOHN H.	<b>Rated Power:</b>	180 hp
<b>Operator:</b>	EL TORO MARINE AERO CLUB	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	SJC, 56 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	1001 PDT	Direction from Accident Site:	115°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	10 Miles
Lowest Ceiling:	Overcast / 1600 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	
Precipitation and Obscuration:			
Departure Point:	MCAS EL TORO, CA (NZJ)	Type of Flight Plan Filed:	IFR
Destination:	SAN JOSE, CA (SJC)	Type of Clearance:	IFR
Departure Time:	0700 PDT	Type of Airspace:	Class D

## Airport Information

Airport:	SAN JOSE INT'L (SJC)	Runway Surface Type:	Asphalt
Airport Elevation:	56 ft	Runway Surface Condition:	Dry
Runway Used:	29	IFR Approach:	Visual
Runway Length/Width:	4599 ft / 100 ft	VFR Approach/Landing:	None

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	

## Administrative Information

Investigator In Charge (IIC):	Thomas H Wilcox	Report Date:	05/26/1993
Additional Participating Persons:	HAROLD CACCAMISE; SAN JOSE, CA		
Publish Date:			
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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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).