



National Transportation Safety Board Aviation Accident Final Report

Location:	CHESANING, MI	Accident Number:	CHI84LA036
Date & Time:	11/03/1983, 1500 EST	Registration:	N597HJ
Aircraft:	JORDAN ACEY DEUCY	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THIS WAS THE FIRST FLIGHT OF THE HOMEBUILT. SHORTLY AFTER TAKEOFF THE ENG QUIT DUE TO INADEQUATE GROUNDING. THE PLT RETURNED TO THE FIELD & MADE A SMOOTH LANDING. AT THE END OF THE ROLL OUT THE ANCHOR PLATE FOR THE LANDING GEAR TRUSS FAILED CAUSING THE LEFT GEAR TO COLLAPSE. THE PLT STATED THAT THE 3/4 INCH X 0.049, 4130 SQUARE TUBING USED FOR THE ANCHOR PLATE WAS TOO LIGHT TO CARRY THE ACFT LOADING & THAT IT MAY HAVE BEEN PREVIOUSLY CRACKED FROM HIGH SPEED TAXI TESTS.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - MECH FAILURE/MALF
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) IGNITION SYSTEM - INADEQUATE

Occurrence #2: FORCED LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Occurrence #3: MAIN GEAR COLLAPSED
Phase of Operation: LANDING - ROLL

Findings

2. (C) LANDING GEAR,MAIN GEAR ATTACHMENT - PREVIOUS DAMAGE
3. (C) LANDING GEAR,MAIN GEAR ATTACHMENT - INADEQUATE
4. LANDING GEAR,MAIN GEAR ATTACHMENT - FAILURE,TOTAL

Factual Information

Pilot Information

Certificate:	Private	Age:	59, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Unknown
Other Aircraft Rating(s):		Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	10/31/1983
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	200 hours (Total, all aircraft), 157 hours (Pilot In Command, all aircraft), 3 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	JORDAN	Registration:	N597HJ
Model/Series:	ACEY DEUCY ACEY DEUCY	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:		Serial Number:	AD-215
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	1 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-290
Registered Owner:	J. HENRY JORDAN	Rated Power:	140 hp
Operator:	J. HENRY JORDAN	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	MBS, 667 ft msl	Distance from Accident Site:	22 Nautical Miles
Observation Time:	1455 EST	Direction from Accident Site:	10°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	15 Miles
Lowest Ceiling:	Overcast / 2000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	15 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	350°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	2° C / -7° C
Precipitation and Obscuration:			
Departure Point:		Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1455 EST	Type of Airspace:	Class G

Airport Information

Airport:	CHESANING (50G)	Runway Surface Type:	Grass/turf
Airport Elevation:	639 ft	Runway Surface Condition:	Dry
Runway Used:	36	IFR Approach:	None
Runway Length/Width:	2360 ft / 300 ft	VFR Approach/Landing:	Forced Landing

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	PAMELA S KLECKNER	Report Date:	
Additional Participating Persons:			
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 pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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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](#).