	NTSB ID: FTW97LA339	Aircraft Registration Number: N42JR
	Occurrence Date: 09/09/1997	Most Critical Injury: Fatal
	Occurrence Type: Accident	Investigated By: NTSB

## Location/Time

Nearest City/Place IDABEL	State OK	Zip Code 74745	Local Time 1330	Time Zone CDT	
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Airport Proximity: Off Airport/Airstrip	Distance From Landing Facility:
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## Aircraft Information Summary

Aircraft Manufacturer Roddie	Model/Series MINI-500 /MINI-500	Type of Aircraft Helicopter
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Revenue Sightseeing Flight: No

Air Medical Transport Flight: No

## Narrative

Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:

On September 9, 1997, at 1330 central daylight time, a Roddie Mini-500, homebuilt helicopter, N42JR, registered to, and operated by the pilot/builder, was destroyed while maneuvering near Idabel Airport, Idabel, Oklahoma. The airline transport rated pilot, the sole occupant, was fatally injured. Visual meteorological conditions prevailed and no flight plan was filed for the Title 14 CFR Part 91 personal flight. The flight originated from Idabel Airport at 1300.


A witness, who was located at the airport, and helped build the helicopter reported that the pilot performed a run-up on the ground before departing. The witness stated that the aircraft was operating approximately 2,000 feet above ground level and about 500 feet from the approach end of runway 35. He then heard the engine slow down and the rotors go into the negative pitch mode. The witness observed the aircraft in a nose low attitude and then heard a loud boom. He said that the helicopter came to a stop and then he saw pieces falling off the helicopter. The main fuselage came to rest on its right side, 1,300 feet from the approach end runway 35. The instrument panel was found 157 feet south of the main fuselage. The tail rotor, including the vertical and horizontal stabilizers, came to rest about 400 feet south of the main fuselage.


A close friend of the pilot, who also assisted in manufacturing the kit helicopter, reported that new rotor blades were installed on the day prior to the accident. He also stated that Mr. Roddie had test flown the aircraft after the installation and Mr. Roddie reported that the helicopter was "flying excellently."

Another airline pilot, who built and flew his own Mini-500, served as the test pilot for Mr. Roddie's helicopter. The test pilot had 75 hours in the Mini-500. He previously performed one autorotation in Mr. Roddie's Mini-500 and reported it did "just fine."

The 62 year old pilot, who was 25,000 hour career airline captain, had about 6 hours of total helicopter flight time.

At the request of the family, an autopsy and toxicology tests were not performed. Family members reported that the pilot was in excellent health.

 <b>National Transportation Safety Board</b> <b>FACTUAL REPORT</b> <b>AVIATION</b>		NTSB ID: FTW97LA339			
		Occurrence Date: 09/09/1997			
		Occurrence Type: Accident			
<b>Landing Facility/Approach Information</b>					
Airport Name	Airport ID:	Airport Elevation	Runway Used	Runway Length	Runway Width
IDABEL AIRPORT	F62	510 Ft. MSL	0		
Runway Surface Type:					
Runway Surface Condition:					
Approach/Arrival Flown:					
VFR Approach/Landing:					
<b>Aircraft Information</b>					
Aircraft Manufacturer	Model/Series		Serial Number		
Roddie	MINI-500 /MINI-500		0259		
Airworthiness Certificate(s): Experimental (Special)					
Landing Gear Type: Skid					
Amateur Built Acft? Yes	Number of Seats: 1	Certified Max Gross Wt.	800 LBS	Number of Engines: 1	
Engine Type:	Engine Manufacturer:	Model/Series:	Rated Power:		
Reciprocating	Rotax	582	67 HP		
- Aircraft Inspection Information					
Type of Last Inspection	Date of Last Inspection	Time Since Last Inspection	Airframe Total Time		
Unknown		Hours	10 Hours		
- Emergency Locator Transmitter (ELT) Information					
ELT Installed?/Type No	ELT Operated?	ELT Aided in Locating Accident Site?			
<b>Owner/Operator Information</b>					
Registered Aircraft Owner	Street Address				
JACKSON RODDIE	3306 BUCKETHORN COURT				
	City	State	Zip Code		
	GARLAND	TX	75044		
Operator of Aircraft	Street Address				
JACKSON RODDIE	3306 BUCKETHORN COURT				
	City	State	Zip Code		
	GARLAND	TX	75044		
Operator Does Business As: N/A			Operator Designator Code: N/A		
- Type of U.S. Certificate(s) Held: None					
Air Carrier Operating Certificate(s):					
Operating Certificate:			Operator Certificate:		
Regulation Flight Conducted Under: Part 91: General Aviation					
Type of Flight Operation Conducted: Personal					

 <p><b>National Transportation Safety Board</b> <b>FACTUAL REPORT</b> <b>AVIATION</b></p>	NTSB ID: FTW97LA339
	Occurrence Date: 09/09/1997
	Occurrence Type: Accident

**First Pilot Information**

Name On File	City On File	State On File	Date of Birth On File	Age 62
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Sex: M	Seat Occupied: Center	Occupational Pilot? Retired	Certificate Number: On File
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Certificate(s): Airline Transport; Flight Instructor; Flight Engineer; Military

Airplane Rating(s): Multi-engine Land; Single-engine Land; Single-engine Sea

Rotorcraft/Glider/LTA: Helicopter

Instrument Rating(s): Airplane

Instructor Rating(s): Airplane Multi-engine

Current Biennial Flight Review?

Medical Cert.: Class 2	Medical Cert. Status: Valid Medical--w/ waivers/lim.	Date of Last Medical Exam: 08/1996
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- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time	25000	6						6		
Pilot In Command(PIC)										
Instructor										
Instruction Received										
Last 90 Days		6						6		
Last 30 Days		6						6		
Last 24 Hours		1						1		

Seatbelt Used? Yes	Shoulder Harness Used? Yes	Toxicology Performed? No	Second Pilot?
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**Flight Plan/Itinerary**

Type of Flight Plan Filed: None

Departure Point Same as Accident/Incident Location	State	Airport Identifier	Departure Time 1300	Time Zone CDT
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Destination Local Flight	State	Airport Identifier	
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Type of Clearance: None

Type of Airspace: Airport Advisory Area; Class E

**Weather Information**

Source of Wx Information:  
  
No record of briefing

 <p><b>National Transportation Safety Board</b> <b>FACTUAL REPORT</b> <b>AVIATION</b></p>	NTSB ID: FTW97LA339
	Occurrence Date: 09/09/1997
	Occurrence Type: Accident

<b>Weather Information</b>					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
KTX	1453	CDT	389 Ft. MSL	49 NM	110 Deg. Mag.
Sky/Lowest Cloud Condition: Unknown			0 Ft. AGL	Condition of Light: Day	
Lowest Ceiling: Broken		5500 Ft. AGL		Visibility: 9 SM	Altimeter: 29.00 "Hg
Temperature: 34 °C	Dew Point: 17 °C	Weather Conditions at Accident Site: Visual Conditions			
Wind Direction: 40		Wind Speed: 8		Wind Gusts:	
Visibility (RVR): 0 Ft.		Visibility (RVV) 0 SM			
Precip and/or Obscuration:					

<b>Accident Information</b>		
Aircraft Damage: Destroyed	Aircraft Fire: None	Aircraft Explosion: None

- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot	1				1
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers					
- TOTAL ABOARD -	1				1
Other Ground	0	0	0		0
- GRAND TOTAL -	1	0	0		1

National Transportation Safety Board

**FACTUAL REPORT**

**AVIATION**



NTSB ID: FTW97LA339

Occurrence Date: 09/09/1997

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

ALEXANDER LEMISHKO

Additional Persons Participating in This Accident/Incident Investigation:

MANNY PEREZ

OKLAHOMA CITY, OK