



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	SHEBOYGAN FALLS, WI	<b>Accident Number:</b>	CHI92FA170
<b>Date &amp; Time:</b>	06/12/1992, 1210 CDT	<b>Registration:</b>	N38DJ
<b>Aircraft:</b>	GATES LEARJET 25B	<b>Aircraft Damage:</b>	Destroyed
<b>Defining Event:</b>		<b>Injuries:</b>	2 Fatal

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

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## Analysis

THE CREW DISCUSSED TOUCH-AND-GO LANDINGS AS THEY WALKED OUT TO BOARD. THE CAPTAIN OCCUPIED THE RIGHT SEAT TO ALLOW THE COPILOT TO FLY THE SHORT REPOSITIONING FLIGHT FROM THE LEFT. THE AIRPLANE LIFTED OFF PREMATURELY AND REMAINED IN GROUND EFFECT. ROLL ATTITUDE VACILLATED SLIGHTLY BEFORE ONSET OF A RAPID RIGHT ROLL TO INVERTED AT GROUND IMPACT. THE ENGINES CONTINUED TO RUN AFTER IMPACT; BOTH WERE SELECTED TO HIGH POWER. NO MATERIAL OR MECHANICAL DISCREPANCY WAS FOUND WHICH DIMINSHED POWER OR AIRCRAFT CONTROL.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE COPILOT'S PREMATURE LIFTOFF AND THE CAPTAIN'S INADEQUATE REMEDIAL ACTION RESULTING IN LOSS OF AIRCRAFT CONTROL AT LOW ALTITUDE.

## Findings

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Occurrence #1: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: TAKEOFF

### Findings

1. (C) LIFT-OFF - PREMATURE - COPILOT/SECOND PILOT
2. (C) REMEDIAL ACTION - INADEQUATE - PILOT IN COMMAND
3. CLIMB - NOT ATTAINED - UNKNOWN
4. STALL - INADVERTENT - UNKNOWN

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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: DESCENT - UNCONTROLLED

### Findings

5. TERRAIN CONDITION - RUNWAY

## Factual Information

### Pilot Information

<b>Certificate:</b>	Airline Transport; Commercial; Military	<b>Age:</b>	53, Male
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Seat Occupied:</b>	Right
<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>	Yes
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	Yes
<b>Medical Certification:</b>	Class 1 Valid Medical--w/ waivers/lim.	<b>Last Medical Exam:</b>	01/07/1992
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	17012 hours (Total, all aircraft), 5738 hours (Total, this make and model), 15183 hours (Pilot In Command, all aircraft), 79 hours (Last 90 days, all aircraft), 28 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	GATES LEARJET	<b>Registration:</b>	N38DJ
<b>Model/Series:</b>	25B 25B	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Transport	<b>Serial Number:</b>	191
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	9
<b>Date/Type of Last Inspection:</b>	06/05/1992, AAIP	<b>Certified Max Gross Wt.:</b>	15500 lbs
<b>Time Since Last Inspection:</b>	7 Hours	<b>Engines:</b>	2 Turbo Jet
<b>Airframe Total Time:</b>	9798 Hours	<b>Engine Manufacturer:</b>	GE
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	CJ 610-6
<b>Registered Owner:</b>	JET CHARTER GROUP, INC.	<b>Rated Power:</b>	2950 lbs
<b>Operator:</b>	JET CHARTER GROUP, INC.	<b>Air Carrier Operating Certificate:</b>	On-demand Air Taxi (135)
<b>Operator Does Business As:</b>	PROFESSIONAL AMBULANCE SERVICE	<b>Operator Designator Code:</b>	DRVA

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	MTW, 651 ft msl	Observation Time:	1153 CDT
Distance from Accident Site:	26 Nautical Miles	Direction from Accident Site:	22°
Lowest Cloud Condition:	Clear / 0 ft agl	Temperature/Dew Point:	29° C / 13° C
Lowest Ceiling:	None / 0 ft agl	Visibility	10 Miles
Wind Speed/Gusts, Direction:	10 knots, 270°	Visibility (RVR):	0 ft
Altimeter Setting:	29 inches Hg	Visibility (RVV):	0 Miles
Precipitation and Obscuration:			
Departure Point:	(SBM)	Type of Flight Plan Filed:	None
Destination:	MANITOWOC, WI (MTW)	Type of Clearance:	None
Departure Time:	1210 CDT	Type of Airspace:	Class G

## Airport Information

Airport:	SHEBOYGAN COUNTY MUNI (SBM)	Runway Surface Type:	Asphalt
Airport Elevation:	749 ft	Runway Surface Condition:	Dry
Runway Used:	21	IFR Approach:	None
Runway Length/Width:	5400 ft / 100 ft	VFR Approach/Landing:	None

## Wreckage and Impact Information

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

## Administrative Information

Investigator In Charge (IIC):	J R VALLASTER	Adopted Date:	08/26/1993
Additional Participating Persons:	CLIFFORD D SNYDER; MILWAUKEE, WI CHARLES A EBERT; MILWAUKEE, WI THOMAS L LIND; MILWAUKEE, WI JAMES D LABELLE; WEST CHICAGO, IL		
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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