



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	BOXBOROUGH, MA	<b>Accident Number:</b>	NYC85FNA01
<b>Date &amp; Time:</b>	06/01/1985, 1715 EDT	<b>Registration:</b>	N4523B
<b>Aircraft:</b>	GULFSTREAM AA-5B	<b>Aircraft Damage:</b>	Destroyed
<b>Defining Event:</b>		<b>Injuries:</b>	1 Serious

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

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## Analysis

THE PILOT MADE SIX ATTEMPTS AT LANDING WITH A LEFT CROSSWIND OF 24 KNOTS. ON THE LAST ATTEMPT HE WAS OBSERVED TO LOSE CONTROL AND CRASH INTO THE TREES OFF HE DEPARTURE END OF THE RUNWAY. THE AIRCRAFT BURNDENED AND THE PILOT RECEIVED SERIOUS INJURIES.

## Probable Cause and Findings

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

## Findings

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Occurrence #1: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: GO-AROUND (VFR)

### Findings

1. TERRAIN CONDITION - HIGH VEGETATION
  2. (F) IN-FLIGHT PLANNING/DECISION - INADEQUATE - PILOT IN COMMAND
  3. (F) LACK OF TOTAL EXPERIENCE IN TYPE OPERATION - PILOT IN COMMAND
  4. (F) WEATHER CONDITION - GUSTS
  5. (F) COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND
  6. LIGHT CONDITION - DAYLIGHT
  7. (F) JUDGMENT - POOR - PILOT IN COMMAND
  8. (C) STALL/SPIN - INADVERTENT - PILOT IN COMMAND
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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: DESCENT - UNCONTROLLED

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	47, 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>	None	<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>	08/30/1984
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	110 hours (Total, all aircraft), 38 hours (Total, this make and model), 110 hours (Pilot In Command, all aircraft), 37 hours (Last 90 days, all aircraft), 37 hours (Last 30 days, all aircraft), 11 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	GULFSTREAM	<b>Registration:</b>	N4523B
<b>Model/Series:</b>	AA-5B AA-5B	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal; Utility	<b>Serial Number:</b>	AA5B1090
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	05/02/1985, Annual	<b>Certified Max Gross Wt.:</b>	2400 lbs
<b>Time Since Last Inspection:</b>	47 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	353 Hours	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	O-360-AAK
<b>Registered Owner:</b>	GARY A. MARPLE	<b>Rated Power:</b>	180 hp
<b>Operator:</b>	GARY A. MARPLE	<b>Operating Certificate(s) Held:</b>	

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	BED, 133 ft msl	Distance from Accident Site:	10 Nautical Miles
Observation Time:	2045 EDT	Direction from Accident Site:	285°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	10 Miles
Lowest Ceiling:	Broken / 6000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	12 knots / 24 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	310°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	26° C / 13° C
Precipitation and Obscuration:			
Departure Point:	YOUNGSTOWN, OH (06G)	Type of Flight Plan Filed:	None
Destination:	STOW/MINUTEMAN, MA (6B6)	Type of Clearance:	None
Departure Time:	0000	Type of Airspace:	Class G

## Airport Information

Airport:	STOW MINUTE MAN (6B6)	Runway Surface Type:	Asphalt
Airport Elevation:	268 ft	Runway Surface Condition:	Dry
Runway Used:	3	IFR Approach:	None
Runway Length/Width:	2770 ft / 50 ft	VFR Approach/Landing:	Go Around; Traffic Pattern

## Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Destroyed
Passenger Injuries:	N/A	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	On-Ground
Total Injuries:	1 Serious	Latitude, Longitude:	

## Administrative Information

Investigator In Charge (IIC):	ARTHUR S DAVIS	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 <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](#).