



# National Transportation Safety Board Aviation Accident Factual Report

<b>Location:</b>	Plymouth, MA	<b>Accident Number:</b>	NYC07CA093
<b>Date &amp; Time:</b>	02/01/2007, 0800 EST	<b>Registration:</b>	N2074K
<b>Aircraft:</b>	Schweizer 269C	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

According to the flight instructor of the Schweizer 269C helicopter, the student pilot successfully performed three autorotations to a hover; however, during the fourth, he "landed hard with a yaw to the left." The flight instructor was not able to correct the yaw, and the helicopter impacted the ground, damaging the tail boom. The accident was not reported until the flight instructor was involved in a similar accident, in the same helicopter, about 30 days later. No mechanical deficiencies were reported by the flight instructor or the student pilot.

## Flight Instructor Information

<b>Certificate:</b>	Flight Instructor; Commercial	<b>Age:</b>	26, Male
<b>Airplane Rating(s):</b>	None	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	Helicopter	<b>Restraint Used:</b>	Seatbelt, Shoulder harness
<b>Instrument Rating(s):</b>	Helicopter	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	Helicopter	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Without Waivers/Limitations	<b>Last FAA Medical Exam:</b>	08/01/2006
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	07/01/2006
<b>Flight Time:</b>	250 hours (Total, all aircraft), 180 hours (Total, this make and model), 180 hours (Pilot In Command, all aircraft), 50 hours (Last 90 days, all aircraft), 45 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

Aircraft Make:	Schweizer	Registration:	N2074K
Model/Series:	269C	Aircraft Category:	Helicopter
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	0136
Landing Gear Type:	Skid	Seats:	2
Date/Type of Last Inspection:		Certified Max Gross Wt.:	1750 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	1111 Hours at time of accident	Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	HO-360
Registered Owner:	ExecJet Inc	Rated Power:	180 hp
Operator:	ExecJet Inc	Operating Certificate(s) Held:	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	PYM, 148 ft msl	Distance from Accident Site:	
Observation Time:	0752 EST	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.13 inches Hg	Temperature/Dew Point:	6°C / 9°C
Precipitation and Obscuration:			
Departure Point:	Plymouth, MA (PYM)	Type of Flight Plan Filed:	None
Destination:	Plymouth, MA (PYM)	Type of Clearance:	None
Departure Time:		Type of Airspace:	

## Airport Information

Airport:	Plymouth Municipal Airport (PYM)	Runway Surface Type:	
Airport Elevation:	148 ft	Runway Surface Condition:	
Runway Used:	NA	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	2 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	N/A	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	41.915000, -70.728611

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Jill M Andrews
<b>Additional Participating Persons:</b>	Peter O'Leary; FAA/FSDO; Boston, MA
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	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> .