



National Transportation Safety Board Aviation Accident Data Summary

Location:	Las Vegas, NV	Accident Number:	GAA16CA279
Date & Time:	06/02/2016, 1000 PDT	Registration:	N441JL
Aircraft:	ROBINSON HELICOPTER R44	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The flight instructor reported that during a helicopter "discovery flight" he was providing instruction to an airplane rated private pilot. The flight instructor further reported that prior to takeoff he told the pilot receiving instruction, "I am going to do the takeoff, and you can feel the controls." As soon as the helicopter entered a hover after takeoff, the pilot receiving instruction "put in strong left input" with the cyclic and would not stop after repeated instruction to let go of the flight controls. Subsequently, the helicopter's left main skid touched down and the helicopter rolled over and came to rest on its left side.

The tail boom was substantially damaged.

The flight instructor did not report any mechanical malfunctions or failures with the helicopter that would have precluded normal operation.

The flight instructor reported on the National Transportation Safety Board Pilot/ Operator Aircraft Accident Report, within the owner/ operator safety recommendation section, he will not allow student pilots to touch the flight controls below 500 feet above the ground, until he is comfortable with the student.

Flight Events

Takeoff - Miscellaneous/other

Takeoff - Attempted remediation/recovery

Takeoff - Loss of control in flight

Takeoff - Roll over

Takeoff - Collision with terr/obj (non-CFIT)

Probable Cause

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

The pilot receiving instruction's incorrect action of interfering with the flight controls and failure to comply with the flight instructor's commands, which resulted in a loss of lateral bank control and a rollover.

Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Lateral/bank control-Attain/maintain not possible - C

Personnel issues-Action/decision-Action-Incorrect action performance-Student/instructed pilot - C

Personnel issues-Task performance-Communication (personnel)-Following instructions-Student/instructed pilot - C

Flight Instructor Information

Certificate:	Flight Instructor; Commercial	Age:	21
Airplane Rating(s):	None	Instrument Rating(s):	Helicopter
Other Aircraft Rating(s):	Helicopter	Instructor Rating(s):	Helicopter; Instrument Helicopter
Flight Time:	(Estimated) 224.7 hours (Total, all aircraft), 118.7 hours (Total, this make and model), 164.7 hours (Pilot In Command, all aircraft), 41.9 hours (Last 90 days, all aircraft), 24.1 hours (Last 30 days, all aircraft)		

Pilot-Rated Passenger Information

Certificate:	Private	Age:	59
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	(Estimated) 68 hours (Total, all aircraft), 0 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	ROBINSON HELICOPTER	Registration:	N441JL
Model/Series:	R44 UNDESIGNAT	Engines:	1 Reciprocating
Operator:	702 HELICOPTER INC.	Engine Manufacturer:	Lycoming
Air Carrier Operating Certificate:	Pilot School (141)	Engine Model/Series:	O-540
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KVGT, 2205 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	Light and Variable, Variable
Temperature:	32°C / 1°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Las Vegas, NV (VGT)	Destination:	Las Vegas, NV (VGT)

Airport Information

Airport:	NORTH LAS VEGAS (VGT)	Runway Surface Type:	Asphalt
Runway Used:	N/A	Runway Surface Condition:	Dry
Runway Length/Width:			

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Administrative Information

Investigator In Charge (IIC):	Adam M Gerhardt	Adopted Date:	08/03/2016
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=93317		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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.