



National Transportation Safety Board Aviation Accident Data Summary

Location:	PINSON, AL	Accident Number:	ATL89FA051
Date & Time:	12/02/1988, 1500 CST	Registration:	N3TV
Aircraft:	BELL 206B	Injuries:	3 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

TWO FAA INSPECTORS WERE CONDUCTING CURRENCY TRAINING WHEN THE HELICOPTER LANDED HARD DURING A PRACTICE POWER RECOVERY AUTOROTATION. THE PILOT HAD DELAYED IN APPLYING POWER AND COLLECTIVE PITCH. UPON CONTACT WITH THE GROUND, ALL ENGINE INSTRUMENTS INDICATED NORMAL OPERATION AND THE ENGINE RPM INDICATED IDLE POWER. THE PILOT FAILED TO MAINTAIN ADEQUATE ROTOR RPM. AFTER THE TOUCHDOWN, AN INSPECTION FAILED TO DISCLOSED ANY DAMAGE, BUT WHEN THE FLIGHT RETURNED TO BIRMINGHAM SUBSTANTIAL STRUCTURAL DAMAGE WAS NOTED IN THE RIGHT REAR SKID AREA.

Probable Cause

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

Findings

Occurrence #1: HARD LANDING

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. (C) LEVEL OFF - MISJUDGED - PILOT IN COMMAND
2. (C) ROTORCRAFT FLIGHT CONTROLS - IMPROPER USE OF - PILOT IN COMMAND
3. (F) LACK OF TOTAL EXPERIENCE IN TYPE OF AIRCRAFT - PILOT IN COMMAND

Pilot Information

Certificate:	Airline Transport	Age:	42
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	Helicopter	Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine; Gyroplane; Helicopter
Flight Time:	3644 hours (Total, all aircraft), 4 hours (Total, this make and model), 3127 hours (Pilot In Command, all aircraft), 11 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BELL	Registration:	N3TV
Model/Series:	206B 206B	Engines:	1 Turbo Shaft
Operator:	ROTOR WING INC.	Engine Manufacturer:	ALLISON
Operating Certificate(s) Held:	None	Engine Model/Series:	250-C20B
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	BHM, 0 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	5 knots / , 360°
Temperature:	14° C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	BIRMINGHAM, AL	Destination:	PINSON, AL

Airport Information

Airport:	GILMER	Runway Surface Type:	Grass/turf
Runway Used:	36	Runway Surface Condition:	Dry
Runway Length/Width:	2500 ft / 150 ft		

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Latitude, Longitude:

Administrative Information

Investigator In Charge (IIC):	PHILLIP POWELL	Adopted Date:	01/24/1990
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 pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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