National Transportation Safety Board
Aviation Accident Final Report

Location:	PRINCETON, NJ	**Accident Number:**	NYC91LA056
Date & Time:	01/01/1991, 1400 EST	**Registration:**	N4675K
Aircraft:	CESSNA 182P	**Aircraft Damage:**	Substantial
Defining Event:		**Injuries:**	2 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

SHORTLY AFTER DEPARTING RUNWAY 28 AT PRINCETON AIRPORT, AT ABOUT 800 FEET, THE AIRPLANE ENGINE SUDDENLY LOST POWER. THE PILOT SAID THAT HE MADE A RIGHT TURN AND ATTEMPTED A LANDING IN A CLEARED FIELD ADJACENT TO THE DEPARTURE END OF RUNWAY 28. AS HE APPROACHED GROUND LEVEL, HE BANKED LEFT TO AVOID A LARGE TREE IN FRONT OF THE RIGHT WING. THE LEFT WING TIP, LEFT MAIN GEAR, AND NOSE OF THE AIRPLANE HIT THE GROUND. ATMOSPHERIC CONDITIONS WERE CONDUCIVE TO CARBURETOR ICE. THE FAA INSPECTORS REPORTED THE AIRPLANE ENGINE WAS REMOVED FROM THE AIRPLANE PRIOR TO THEIR ARRIVAL AT THE ACCIDENT SITE.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: PILOT FACTOR IN THAT THE PILOT FAILED TO USE CARBURETOR HEAT RESULTING IN ENGINE POWER LOSS DUE TO CARBURETOR ICE. FACTORS WERE UNSUITABLE TERRAIN AND OBSTRUCTIONS.

Findings

Occurrence #1: LOSS OF ENGINE POWER
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings
1. (F) WEATHER CONDITION - CARBURETOR ICING CONDITIONS

Occurrence #2: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: DRAGGED WING,ROTOR,POD,FLOAT OR TAIL/SKID
Phase of Operation: DESCENT - EMERGENCY

Findings
2. (F) VISUAL LOOKOUT - INADEQUATE - PILOT IN COMMAND
3. (C) CLEARANCE - MISJUDGED - PILOT IN COMMAND

Occurrence #4: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Factual Information

Pilot Information

Certificate:	Commercial	**Age:**	54, Male
Airplane Rating(s):	Single-engine Land	**Seat Occupied:**	Left
Other Aircraft Rating(s):	None	**Restraint Used:**	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	**Second Pilot Present:**	No
Instructor Rating(s):	None	**Toxicology Performed:**	No
Medical Certification:	Class 2 Valid Medical--w/ waivers/lim.	**Last FAA Medical Exam:**	10/14/1989
Occupational Pilot:		**Last Flight Review or Equivalent:**	
Flight Time:	755 hours (Total, all aircraft), 461 hours (Total, this make and model), 649 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	**Registration:**	N4675K
Model/Series:	182P 182P	**Aircraft Category:**	Airplane
Year of Manufacture:		**Amateur Built:**	No
Airworthiness Certificate:	Normal	**Serial Number:**	18263676
Landing Gear Type:	Tricycle	**Seats:**	4
Date/Type of Last Inspection:	05/17/1990, Annual	**Certified Max Gross Wt.:**	2950 lbs
Time Since Last Inspection:	17 Hours	**Engines:**	1 Reciprocating
Airframe Total Time:	1636 Hours	**Engine Manufacturer:**	CONTINENTAL
ELT:	Installed, activated, aided in locating accident	**Engine Model/Series:**	O-470-S
Registered Owner:	ROBERT H. BURY	**Rated Power:**	230 hp
Operator:	ROBERT H. BURY	**Operating Certificate(s) Held:**	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	**Condition of Light:**	Day
Observation Facility, Elevation:	, 0 ft msl	**Distance from Accident Site:**	0 Nautical Miles
Observation Time:	0000	**Direction from Accident Site:**	0°
Lowest Cloud Condition:	Clear / 0 ft agl	**Visibility**	25 Miles
Lowest Ceiling:	None / 0 ft agl	**Visibility (RVR):**	0 ft
Wind Speed/Gusts:	Light and Variable /	**Turbulence Type Forecast/Actual:**	/
Wind Direction:	270°	**Turbulence Severity Forecast/Actual:**	/
Altimeter Setting:	30 inches Hg	**Temperature/Dew Point:**	3°C / -7°C
Precipitation and Obscuration:			
Departure Point:		**Type of Flight Plan Filed:**	None
Destination:		**Type of Clearance:**	None
Departure Time:	1400 EST	**Type of Airspace:**	Class G

Airport Information

Airport:	PRINCETON (39N)	**Runway Surface Type:**	Asphalt
Airport Elevation:	125 ft	**Runway Surface Condition:**	Dry
Runway Used:	28	**IFR Approach:**	None
Runway Length/Width:	3105 ft / 60 ft	**VFR Approach/Landing:**	Forced Landing

Wreckage and Impact Information

Crew Injuries:	1 Minor	**Aircraft Damage:**	Substantial
Passenger Injuries:	1 Minor	**Aircraft Fire:**	None
Ground Injuries:	N/A	**Aircraft Explosion:**	None
Total Injuries:	2 Minor	**Latitude, Longitude:**	

Administrative Information

Investigator In Charge (IIC):	Chauncey D Twine	**Report Date:**	04/27/1993
Additional Participating Persons:	RAYMOND L KUBA; ALLENTOWN, PA FRANK ALOTTA JR.; ALLENTOWN, PA		
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 pubinq@ntsb.gov, or at 800-877-6799. Dockets released after this date are available at http://dms.ntsb.gov/pubdms/.		

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