



National Transportation Safety Board Aviation Accident Data Summary

Location:	CANON, GA	Accident Number:	ATL90LA068
Date & Time:	03/03/1990, 1500 EST	Registration:	N30367
Aircraft:	CESSNA 177A	Injuries:	1 Minor, 1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

AFTER DESCENDING FM 2500 TO 2000 FT, THE PLT REALIZED THE ENG HAD LOST PWR, WHEN IT DID NOT RESPOND TO THROTTLE MOVEMENT FOR LEVEL OFF. HE MOVED THE CARBURETOR HEAT TO THE 'ON' POSITION, BUT WAS UNABLE TO RESTART THE ENG. SUBSEQUENTLY, HE MADE AN EMERGENCY LANDING IN A PLOWED FIELD & THE LANDING GEAR COLLAPSED ON SOFT TERRAIN. THE CARBURETOR WAS DAMAGED DURING THE OCCURRENCE. AFTER IT WAS REPLACED, THE ENG WOULD OPERATE. AN EXAM OF THE DAMAGED CARBURETOR REVEALED ONLY NORMAL WEAR. THE TEMP & DEW POINT WERE 64 & 44 DEG, RESPECTIVELY. ACCORDING TO CARBURETOR ICING CHARTS, CONDITIONS WERE CONDUCIVE TO CARBURETOR ICE.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: IMPROPER USE OF CARBURETOR HEAT BY THE PILOT, WHICH RESULTED IN CARBURETOR ICE. FACTORS RELATED TO THE ACCIDENT WERE: CARBURETOR ICING CONDITIONS, AND SOFT TERRAIN.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: DESCENT

Findings

1. (F) WEATHER CONDITION - CARBURETOR ICING CONDITIONS
2. (C) FUEL SYSTEM, CARBURETOR - ICE
3. (C) CARBURETOR HEAT - IMPROPER USE OF - PILOT IN COMMAND

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

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

4. (F) TERRAIN CONDITION - SOFT

Pilot Information

Certificate:	Private	Age:	22
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	160 hours (Total, all aircraft), 71 hours (Total, this make and model), 108 hours (Pilot In Command, all aircraft), 26 hours (Last 90 days, all aircraft), 8 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N30367
Model/Series:	177A 177A	Engines:	1 Reciprocating
Operator:	MARK K BROWN	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-360-A2F
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	AHN, 807 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Broken / 4100 ft agl	Wind Speed/Gusts, Direction:	3 knots / , 80°
Temperature:	18° C	Visibility	25 Miles
Precipitation and Obscuration:			
Departure Point:	ATHENS, GA (AHN)	Destination:	CANON, GA (18A)

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	JAMES D TONELLI	Adopted Date:	09/05/1991
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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