



National Transportation Safety Board Aviation Accident Final Report

Location:	MILES CITY, MT	Accident Number:	DEN87FA042
Date & Time:	01/07/1987, 1359 MST	Registration:	N57133
Aircraft:	AERO COMMANDER 690A	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 Serious, 1 Minor, 4 None

Flight Conducted Under: Part 135: Air Taxi & Commuter - Non-scheduled

Analysis

THE PLT OF THE NONSCHEDULED DOMESTIC PAX AIR TAXI FLT WAS FLYING THE VOR/DME RWY 22 APCH TO WILEY FIELD, MILES CITY, MT. THE PLT SAID HE TURNED ON THE AUTOPILOT AND AFTER TURNING INBOUND FROM THE PROCEDURE TURN TOWARDS THE FAF HE ENGAGED THE APCH MODE. AFTER CROSSING THE FAF THE PLT DESCENDED TO MDA AND ENGAGED THE ALT HOLD MODE. WHEN HE REACHED THE MAP THE PLT STARTED TO MAKE A MISSED APCH BUT A PAX, SEATED NEXT TO HIM IN THE COPILOT'S SEAT, REPORTED THE RWY IN SIGHT. THE PLT SAID HE SAW THE RWY AND RETARDED THE THROTTLES IN ORDER TO DESCEND FOR LANDING. THE ACFT NOSE PITCHED UP ABRUPTLY, THE ACFT STALLED, AND MUSHED TO THE GROUND. THE ACFT HIT HARD AND SKIDDED OFF THE RWY.

Probable Cause and Findings

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

Findings

Occurrence #1: ABRUPT MANEUVER

Phase of Operation: APPROACH - FAF/OUTER MARKER TO THRESHOLD (IFR)

Findings

1. WEATHER CONDITION - LOW CEILING
2. (C) AUTOPILOT - IMPROPER USE OF - PILOT IN COMMAND
3. WEATHER CONDITION - OBSCURATION
4. (C) THROTTLE/POWER CONTROL - REDUCED - PILOT IN COMMAND
5. WEATHER CONDITION - FOG

Occurrence #2: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: APPROACH - FAF/OUTER MARKER TO THRESHOLD (IFR)

Findings

6. (C) STALL/MUSH - INADVERTENT - PILOT IN COMMAND

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Findings

7. TERRAIN CONDITION - RUNWAY

Factual Information

Pilot Information

Certificate:	Commercial	Age:	36, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	Yes
Medical Certification:	Class 1 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	10/31/1986
Occupational Pilot:	Last Flight Review or Equivalent:		
Flight Time:	2398 hours (Total, all aircraft), 45 hours (Total, this make and model), 2198 hours (Pilot In Command, all aircraft), 186 hours (Last 90 days, all aircraft), 65 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	AERO COMMANDER	Registration:	N57133
Model/Series:	690A 690A	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	11133
Landing Gear Type:	Retractable - Tricycle	Seats:	7
Date/Type of Last Inspection:	11/21/1986, 100 Hour	Certified Max Gross Wt.:	10300 lbs
Time Since Last Inspection:	78 Hours	Engines:	2 Turbo Prop
Airframe Total Time:	6216 Hours	Engine Manufacturer:	GARRETT
ELT:	Installed, not activated	Engine Model/Series:	TPE-331-5251K
Registered Owner:	CORPORATE AIR	Rated Power:	717 hp
Operator:	CORPORATE AIR	Operating Certificate(s) Held:	On-demand Air Taxi (135)
Operator Does Business As:		Operator Designator Code:	HSYA

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Day
Observation Facility, Elevation:	MLS, 2628 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1401 MST	Direction from Accident Site:	0°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	0 Miles
Lowest Ceiling:	Obscured / 400 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	140°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	-4° C / -6° C
Precipitation and Obscuration:			
Departure Point:	BILLINGS, MT (BIL)	Type of Flight Plan Filed:	VFR
Destination:	MILES CITY, MT (MLS)	Type of Clearance:	IFR
Departure Time:	1310 MST	Type of Airspace:	Airport Advisory Area; Class E

Airport Information

Airport:	WILEY (MLS)	Runway Surface Type:	Asphalt
Airport Elevation:	2628 ft	Runway Surface Condition:	Dry
Runway Used:	22	IFR Approach:	VOR/DME
Runway Length/Width:	5783 ft / 100 ft	VFR Approach/Landing:	Full Stop

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:	1 Minor, 4 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Serious, 1 Minor, 4 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	ARNOLD W SCOTT	Report Date:	05/02/1988
Additional Participating Persons:	LEIGH ASLAKSON; BILLINGS, MT		
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 pubinquiry@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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