

Aviation Investigation Final Report

Location:	BROOMFIELD, Cold	orado	Accident Number:	DEN90LA148
Date & Time:	June 29, 1990, 09:	15 Local	Registration:	N6391P
Aircraft:	PIPER	PA24-250	Aircraft Damage:	Substantial
Defining Event:			Injuries:	2 None
Flight Conducted Under:	Part 91: General av	viation - Personal		

Analysis

THE PILOT, WITH HIS PASSENGER/SON, WAS IN THE LANDING PATTERN AT JEFFERSON COUNTY AIRPORT, BROOMFIELD, COLORADO. HE SAID THAT HE WAS DISTRACTED BY ANOTHER AIRCRAFT IN THE LANDING PATTERN AND FORGOT TO LOWER THE LANDING GEAR. THE AIRCRAFT LANDED WITH THE GEAR UP.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE FAILURE OF THE PILOT TO EXTEND THE LANDING GEAR FOR LANDING. CONTRIBUTING FACTORS WERE THE PILOT DIVERTING HIS ATTENTION FROM THE TASK AT HAND AND FAILURE TO USE A CHECKLIST.

Findings

Occurrence #1: GEAR NOT EXTENDED Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

Findings

1. (F) CHECKLIST - NOT USED - PILOT IN COMMAND

2. (F) DIVERTED ATTENTION - PILOT IN COMMAND

3. WHEELS UP LANDING - INADVERTENT - PILOT IN COMMAND

4. (C) GEAR EXTENSION - NOT PERFORMED - PILOT IN COMMAND

Occurrence #2: HARD LANDING Phase of Operation: LANDING

Factual Information

Pilot Information

Certificate:	Commercial	Age:	49,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Unknown
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medicalw/ waivers/lim	Last FAA Medical Exam:	September 30, 1988
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	695 hours (Total, all aircraft), 6 hours (Total, this make and model), 565 hours (Pilot In Command, all aircraft), 6 hours (Last 90 days, all aircraft), 4 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N6391P
Model/Series:	PA24-250 PA24-250	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:		Serial Number:	24-1501
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	2900 lbs
Time Since Last Inspection:	0 Hrs	Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-540-A1D5
Registered Owner:	DAVID R. TOBLER	Rated Power:	250 Horsepower
Operator:		Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	BJC ,5658 ft msl	Distance from Accident Site:	
Observation Time:	09:15 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Scattered / 25000 ft AGL	Visibility	40 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	80°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	-18°C / -18°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	LONGMONT , CO (ZV2)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	09:30 Local	Type of Airspace:	

Airport Information

Airport:	JEFFERSON COUNTY BJC	Runway Surface Type:	Asphalt
Airport Elevation:	5658 ft msl	Runway Surface Condition:	Dry
Runway Used:	29R	IFR Approach:	None
Runway Length/Width:	9000 ft / 100 ft	VFR Approach/Landing:	Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	On-ground
Ground Injuries:	N/A	Aircraft Explosion:	On-ground
Total Injuries:	2 None	Latitude, Longitude:	39.88972,-105.10913(est)

Administrative Information

Investigator In Charge (IIC):	Tranter, Verlin
Additional Participating Persons:	
Original Publish Date:	September 15, 1992
Last Revision Date:	
Investigation Class:	<u>Class</u>
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=17963

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The NTSB does not assign fault or blame for an accident or incident; rather, as specified by NTSB regulation, "accident/incident investigations are fact-finding proceedings with no formal issues and no adverse parties ... and are not conducted for the purpose of determining the rights or liabilities of any person" (Title 49 *Code of Federal Regulations* section 831.4). Assignment of fault or legal liability is not relevant to the NTSB's statutory mission to improve transportation safety by investigating accidents and incidents and issuing safety recommendations. In addition, statutory language prohibits the admission into evidence or use of any part of an NTSB report related to an accident in a civil action for damages resulting from a matter mentioned in the report (Title 49 *United States Code* section 1154(b)). A factual report that may be admissible under 49 *United States Code* section 1154(b) is available here.