



National Transportation Safety Board Aviation Accident Data Summary

Location:	ENGLEWOOD, CO	Accident Number:	DEN88LA116
Date & Time:	06/01/1988, 0915 MDT	Registration:	N999HP
Aircraft:	CESSNA TR-182RG	Injuries:	1 Serious, 2 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

THE CFI, A PRIVATE RATED DUAL STUDENT, AND ONE PASSENGER WERE PREPARING TO DEPART ON A TRAINING FLIGHT. THE CFI ATTEMPTED TO HAND PROP THE AIRPLANE WHEN THE BATTERY WAS FOUND TO BE INOPERATIVE. DURING THE ATTEMPT, THE CFI WAS STRUCK IN THE BACK OF THE HEAD.

Probable Cause

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

Findings

Occurrence #1: PROPELLER/ROTOR CONTACT TO PERSON
Phase of Operation: STANDING - STARTING ENGINE(S)

Findings

1. (F) ELECTRICAL SYSTEM, BATTERY - OUTPUT LOW
2. (C) STARTING PROCEDURE - IMPROPER - PILOT IN COMMAND (CFI)

Pilot Information

Certificate:	Flight Instructor; Commercial	Age:	26
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Single-engine
Flight Time:	519 hours (Total, all aircraft), 22 hours (Total, this make and model), 457 hours (Pilot In Command, all aircraft), 171 hours (Last 90 days, all aircraft), 72 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N999HP
Model/Series:	TR-182RG TR-182RG	Engines:	1 Reciprocating
Operator:	WINGS OF DENVER FLYING CLUB	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	On-demand Air Taxi (135)	Engine Model/Series:	O-540-L3C5D
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:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	/ ,
Temperature:	24° C	Visibility	15 Miles
Precipitation and Obscuration:			
Departure Point:	ENGLEWOOD, CO	Destination:	

Airport Information

Airport:	CENTENNIAL (APA)	Runway Surface Type:	
Runway Used:	0	Runway Surface Condition:	
Runway Length/Width:			

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	ROBERT B COLLINS	Adopted Date:	06/09/1989
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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