



National Transportation Safety Board Aviation Accident Data Summary

Location:	GRAND JUNCTION, CO	Accident Number:	DEN83LA206
Date & Time:	09/01/1983, 1804 MDT	Registration:	N8739T
Aircraft:	CESSNA 182	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

THE CFI STATED THAT WHILE PRACTICING EMERGENCY LANDINGS, SMOKE STARTED BILLOWING INTO THE COCKPIT. SHE ALSO NOTICED A LOT OF HEAT NEAR HER LEGS. THINKING THAT THERE MIGHT BE A FIRE ON THE OTHER SIDE OF THE FIREWALL, THE CFI DECIDED TO LAND IN A CORN FIELD. THE CORN WAS 12 FT TALL & THE ACFT NOSED OVER ON ITS BACK. THE ONLY EVIDENCE OF SMOKE, HEAT OR FIRE WAS THAT THE WIRE LEAD FROM THE ELECTRICAL BUS BAR TO A RADIO WAS BURNED & MELTED AT THE END, AS WAS THE JUMPER WIRE BETWEEN THE BUS BARS. A SHOPOWNER AT THE ARPT STATED THAT THE JUMPER WIRE WAS UNDERSIZED & BECAME OVERLOADED CAUSING THE INSULATION TO BURN. THE CABIN HEATER VALVE WAS FOUND POSITIONED TO THE ON POSITION WHICH WOULD ALLOW ENGINE HEAT TO ENTER THE COCKPIT NEAR THE FLOOR LEVEL.

Probable Cause

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

Findings

Occurrence #1: FIRE

Phase of Operation: MANEUVERING

Findings

1. (C) ELECTRICAL SYSTEM,ELECTRIC WIRING - INCORRECT
2. (C) MAINTENANCE,INSTALLATION - IMPROPER - OTHER MAINTENANCE PERSONNEL
3. (C) ELECTRICAL SYSTEM,ELECTRIC WIRING - BURNED

Occurrence #2: FORCED LANDING

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Occurrence #3: NOSE OVER

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

4. (F) TERRAIN CONDITION - CROP

Pilot Information

Certificate:	Flight Instructor; Commercial	Age:	26
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):		Instructor Rating(s):	Airplane Single-engine
Flight Time:	878 hours (Total, all aircraft), 45 hours (Total, this make and model), 739 hours (Pilot In Command, all aircraft), 332 hours (Last 90 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N8739T
Model/Series:	182 182	Engines:	1 Reciprocating
Operator:	LARRY MOORE	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	O-470-L
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:	GJT, 4858 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Broken / 12000 ft agl	Wind Speed/Gusts, Direction:	10 knots / , 40°
Temperature:	28° C	Visibility	60 Miles
Precipitation and Obscuration:			
Departure Point:	Destination:		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	R. G MUCHO	Adopted 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.nts.gov/pubdms/ .		

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