



Aviation Investigation Final Report

Location:	ANCHORAGE, Alaska	Accident Number:	ANC86FA092
Date & Time:	June 28, 1986, 13:58 Local	Registration:	N180SR
Aircraft:	CESSNA 180H	Aircraft Damage:	Substantial
Defining Event:		Injuries:	4 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT AND THE OWNER OF THE AIRPLANE SERVICED THE BRAKES PRIOR TO TAKEOFF. WHEN THEY RETURNED FROM A LOCAL FLIGHT, THE RIGHT BRAKE WAS INOPERATIVE DURING THE LANDING ROLL-OUT. THE AIRPLANE GROUNDLOOPED TO THE LEFT, THEN WENT OFF THE LEFT EDGE OF THE RUNWAY, DAMAGING THE RIGHT WING AND HORIZONTAL STABILIZER.

Probable Cause and Findings

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

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: LANDING - ROLL

Findings

1. (C) LANDING GEAR,NORMAL BRAKE SYSTEM - FAILURE,PARTIAL
2. (C) MAINTENANCE,SERVICE OF AIRCRAFT/EQUIPMENT - IMPROPER - PILOT IN COMMAND
3. DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
4. GROUND LOOP/SWERVE - UNCONTROLLED

Factual Information

Pilot Information

Certificate:	Airline transport	Age:	37, Male
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane single-engine	Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	April 10, 1986
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	
Flight Time:	8820 hours (Total, all aircraft), 510 hours (Total, this make and model), 8820 hours (Pilot In Command, all aircraft), 270 hours (Last 90 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N180SR
Model/Series:	180H 180H	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	18051860
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	February 7, 1986 Annual	Certified Max Gross Wt.:	2800 lbs
Time Since Last Inspection:	65 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	11217 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	O-470-R
Registered Owner:	JOHN CARLILE MCDONALD	Rated Power:	230 Horsepower
Operator:	CLEVE EMBREE MCDONALD	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:	MRI ,137 ft msl	Distance from Accident Site:	4 Nautical Miles
Observation Time:	13:50 Local	Direction from Accident Site:	20°
Lowest Cloud Condition:	Scattered / 9000 ft AGL	Visibility	90 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	290°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	21°C / 4°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	ANCHORAGE , AK (MRI)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	VFR
Departure Time:	12:00 Local	Type of Airspace:	Class E

Airport Information

Airport:	MERRILL FIELD MRI	Runway Surface Type:	Asphalt
Airport Elevation:	137 ft msl	Runway Surface Condition:	Dry
Runway Used:	33	IFR Approach:	None
Runway Length/Width:	2469 ft / 60 ft	VFR Approach/Landing:	Full stop;Straight-in

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	3 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	4 None	Latitude, Longitude:	61.220901,-149.850875(est)

Administrative Information

Investigator In Charge (IIC): Stella, Marc

Additional Participating Persons:

Original Publish Date:

Last Revision Date:

Investigation Class: [Class](#)

Note:

Investigation Docket: <https://data.nts.gov/Docket?ProjectID=4598>

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant events in other modes of transportation—railroad, transit, highway, marine, pipeline, and commercial space. We determine the probable causes of the accidents and events we investigate, and issue safety recommendations aimed at preventing future occurrences. In addition, we conduct transportation safety research studies and offer information and other assistance to family members and survivors for each accident or event we investigate. We also serve as the appellate authority for enforcement actions involving aviation and mariner certificates issued by the Federal Aviation Administration (FAA) and US Coast Guard, and we adjudicate appeals of civil penalty actions taken by the FAA.

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](#).