



## National Transportation Safety Board Aviation Accident Factual Report

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<b>Location:</b>	Sioux Falls, SD	<b>Accident Number:</b>	CHI01LA060
<b>Date &amp; Time:</b>	01/04/2001, 1046 CST	<b>Registration:</b>	N727SP
<b>Aircraft:</b>	Cessna 172S	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None

**Flight Conducted Under:** Part 91: General Aviation - Instructional

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On January 4, 2001, at 1046 central standard time, a Cessna 172S, N727SP, piloted by a student pilot, sustained substantial damage during an on-ground collision with the terrain following a loss of directional control during takeoff roll on runway 33 (6,670 feet by 150 feet, frost covered/asphalt), at the Joe Foss Field Airport, Sioux Falls, South Dakota. Visual meteorological conditions prevailed at the time of the accident. The solo-instructional flight was being conducted under the provisions of 14 CFR Part 91 and was not on a flight plan. The student pilot, the sole occupant, reported no injuries. The local flight was departing at the time of the accident.

According to the pilot's written statement, he was practicing solo touch-and-go landings at the time of the accident. The pilot stated that after a successful landing he initiated a takeoff and, "as I added power the airplane seemed to shimmy at which time I tried to correct the plane. As I was unable to correct I powered back to idle and tried to stop which is when the plane went off the left side of the runway and hit a windrow of snow." The pilot reported, "Hitting the snow made the planes [plane's] tail lift and spin around which made the right wing hit the ground causing damage." The pilot reported that his total time in all aircraft was 24.1-hours and all hours were flown in the accident airplane make and model. The pilot reported that he had accumulated 1.4-hours of pilot-in-command time.

## Pilot Information

<b>Certificate:</b>	Student	<b>Age:</b>	25, Male
<b>Airplane Rating(s):</b>	None	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt, Shoulder harness
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical--w/ waivers/lim.	<b>Last FAA Medical Exam:</b>	11/02/2000
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	24 hours (Total, all aircraft), 24 hours (Total, this make and model), 1 hours (Pilot In Command, all aircraft), 24 hours (Last 90 days, all aircraft), 13 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N727SP
<b>Model/Series:</b>	172S	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Utility	<b>Serial Number:</b>	172S8664
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	12/04/2000, Annual	<b>Certified Max Gross Wt.:</b>	2550 lbs
<b>Time Since Last Inspection:</b>	19 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	21 Hours at time of accident	<b>Engine Manufacturer:</b>	Lycoming
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	IO-360-L2A
<b>Registered Owner:</b>	Daedalus Inc.	<b>Rated Power:</b>	180 hp
<b>Operator:</b>	Daedalus Inc.	<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>	Business Aviation School of Aeronautics	<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	FSD, 1429 ft msl	Distance from Accident Site:	
Observation Time:	1056 CST	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	230°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.78 inches Hg	Temperature/Dew Point:	0°C / -3°C
Precipitation and Obscuration:			
Departure Point:	SIOUX FALLS, SD (FSD)	Type of Flight Plan Filed:	None
Destination:	Sioux Falls, SD (FSD)	Type of Clearance:	VFR
Departure Time:	1046 CST	Type of Airspace:	Class D

## Airport Information

Airport:	JOE FOSS FIELD (FSD)	Runway Surface Type:	Asphalt
Airport Elevation:	1429 ft	Runway Surface Condition:	Ice
Runway Used:	33	IFR Approach:	None
Runway Length/Width:	6670 ft / 150 ft	VFR Approach/Landing:	None

## Wreckage and Impact Information

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

## Administrative Information

Investigator In Charge (IIC):	Andrew T Fox
Additional Participating Persons:	Dan McKinney; FAA - Rapid City FSDO; Rapid City, SD
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 <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .