



National Transportation Safety Board Aviation Accident Data Summary

Location:	McKinney, TX	Accident Number:	CEN11LA142
Date & Time:	01/02/2011, 0900 CST	Registration:	N102PJ
Aircraft:	AMERICAN LEGEND AIRCRAFT CO AL3	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The student pilot was performing a landing when the airplane bounced several times before he lost control of the airplane. The airplane veered to the right and departed the runway. As the airplane continued through the grass, the right wing contacted a construction sign and impacted a ditch, coming to rest inverted. An eyewitness reported that the tailwheel never fully contacted the ground prior to departing the runway. No preimpact anomalies were reported by the pilot.

Flight Events

Landing-landing roll - Loss of control on ground
Landing-landing roll - Runway excursion
Landing-landing roll - Collision with terr/obj (non-CFIT)

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
The pilot's loss of directional control during landing.

Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Directional control-Not attained/maintained - C
Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C

Student Pilot Information

Certificate:	Student	Age:	16
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	(Estimated)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	AMERICAN LEGEND AIRCRAFT CO	Registration:	N102PJ
Model/Series:	AL3	Engines:	1 Reciprocating
Operator:	SHELL AIR LLC	Engine Manufacturer:	Teledyne Continental
Air Carrier Operating Certificate:	None	Engine Model/Series:	O-200
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	TKI, 585 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	Calm
Temperature:	0° C / -6° C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	McKinney, TX (T31)	Destination:	McKinney, TX (T31)

Airport Information

Airport:	Aero Country (T31)	Runway Surface Type:	Asphalt
Runway Used:	35	Runway Surface Condition:	
Runway Length/Width:	4305 ft / 40 ft		

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

Administrative Information

Investigator In Charge (IIC):	Jason T Aguilera	Adopted Date:	10/03/2011
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=78112		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report.