



National Transportation Safety Board Aviation Accident Final Report

Location:	ST. GENEVIEVE, MO	Accident Number:	CHI91DCA01
Date & Time:	06/01/1991, 0830 CDT	Registration:	N7175J
Aircraft:	GREMMINGER KOLB TWINSTAR	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 Serious
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE ACCIDENT AIRPLANE COLLIDED WITH FARM EQUIPMENT DURING A GROUND RUN FOR TAKEOFF. THE PILOT CONTINUED THE TAKEOFF AFTER LOSING DIRECTIONAL CONTROL. A PILOT RATED PASSENGER ASSUMED CONTROL OF THE AIRPLANE JUST BEFORE IMPACT AND UNSUCCESSFULLY ATTEMPTED TO HOP THE AIRPLANE OVER THE EQUIPMENT.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE FAILURE OF THE PILOT TO ABORT THE TAKEOFF AND IMPROPER REMEDIAL ACTION BY THE PILOT RATED PASSENGER AFTER ASSUMING CONTROL OF THE AIRPLANE. A FACTOR ASSOCIATED WITH THE ACCIDENT IS THE PILOT LOSING DIRECTIONAL CONTROL DURING THE TAKEOFF GROUND RUN.

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER

Phase of Operation: TAKEOFF - ROLL/RUN

Findings

1. (F) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
2. (C) ABORTED TAKEOFF - NOT PERFORMED - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH OBJECT

Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

3. OBJECT - VEHICLE
4. (C) REMEDIAL ACTION - IMPROPER - PILOT PASSENGER

Factual Information

Pilot Information

Certificate:	Private	Age:	34, Female
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	None	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	01/26/1990
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	121 hours (Total, all aircraft), 14 hours (Total, this make and model), 75 hours (Pilot In Command, all aircraft), 4 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	GREMMINGER	Registration:	N7175J
Model/Series:	KOLB TWINSTAR KOLB TWINS	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:	Experimental	Serial Number:	9043
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	08/17/1990, Annual	Certified Max Gross Wt.:	725 lbs
Time Since Last Inspection:	71 Hours	Engines:	1 Reciprocating
Airframe Total Time:	71 Hours	Engine Manufacturer:	ROTAX
ELT:	Not installed	Engine Model/Series:	503UL
Registered Owner:	GREG W. GREMMINGER	Rated Power:	54 hp
Operator:	GREG W. GREMMINGER	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	SEL

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	0000	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	20 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	Light and Variable /	Turbulence Type Forecast/Actual:	/
Wind Direction:	Variable	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	24° C
Precipitation and Obscuration:			
Departure Point:		Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	0830 COS	Type of Airspace:	Class G

Airport Information

Airport:	STE. GENEVIEVE (H90)	Runway Surface Type:	Grass/turf
Airport Elevation:	350 ft	Runway Surface Condition:	Dry
Runway Used:	13	IFR Approach:	None
Runway Length/Width:	1600 ft / 90 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:	1 Serious	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Serious	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	Donald R Garner	Report Date:	12/04/1992
Additional Participating Persons:			
Publish 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/ .		

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. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).