



National Transportation Safety Board Aviation Accident Data Summary

Location:	LANSING ARPT, IL	Accident Number:	CHI90DEE02
Date & Time:	12/01/1989, 1400 CST	Registration:	N533T
Aircraft:	EDWARD AVID FLYER C	Injuries:	1 Serious
Flight Conducted Under:	Part 91: General Aviation -		

Analysis

A HOMEBUILT AIRPLANE ON ITS INITIAL FLIGHT EXPERIENCED ENGINE STOPPAGE DURING DEPARTURE FROM THE FIELD. THE PRIVATE PILOT STATES HE RESTARTED THE ENGINE AND RETURNED TO HOME FIELD. HE COMMENCED AN APPROACH WITH ANOTHER AIRPLANE ON THE RUNWAY FOR TAKEOFF. HE WAS MAKING A TURN FOR DISPLACEMENT WHEN THE ENGINE QUIT AGAIN. THE OTHER AIRPLANE ROLLED AND THE ACCIDENT PILOT RESUMED HIS APPROACH. THE ACCIDENT AIRPLANE LANDED IN A LEFT BANK, ANGLED OFF THE RUNWAY AND STRUCK A DITCH. EXAMINATION OF THE ENGINE SHOWED THE TWIN CARBURETORS MODIFIED TO A CONFIGURATION AND JETTING NOT APPROVED BY THE ENGINE MANUFACTURER AND FOR WHICH NO TEST OR ENGINEERING DATA WAS AVAILABLE.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: PILOT'S FAILURE TO ATTAIN PROPER RUNWAY ALIGNMENT PRIOR TO TOUCHDOWN. A FACTOR IN THE ACCIDENT WAS THE BUILDER'S IMPROPER MODIFICATION OF THE CARBURETORS.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: APPROACH - VFR PATTERN - BASE LEG/BASE TO FINAL

Findings

1. (F) MAINTENANCE,MODIFICATION - IMPROPER - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: LANDING - ROLL

Findings

2. (C) PROPER ALIGNMENT - NOT ATTAINED - PILOT IN COMMAND

Pilot Information

Certificate:	Private	Age:	45
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	853 hours (Total, all aircraft), 853 hours (Pilot In Command, all aircraft), 113 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	EDWARD	Registration:	N533T
Model/Series:	AVID FLYER C AVID FLYER	Engines:	1 Reciprocating
Operator:	MILLER, C. EDWARD	Engine Manufacturer:	ROTAX
Operating Certificate(s) Held:	None	Engine Model/Series:	532
Flight Conducted Under:	Part 91: General Aviation -		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	MDW, 648 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	5 knots / , 180°
Temperature:	8°C	Visibility	6 Miles
Precipitation and Obscuration:			
Departure Point:		Destination:	(3HA)

Airport Information

Airport:	LANSING MUNICIPAL (3HA)	Runway Surface Type:	Asphalt
Runway Used:	27	Runway Surface Condition:	Dry
Runway Length/Width:	3655 ft / 75 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC): ROBERT E LUNA

Adopted Date: 06/30/1992

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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