



National Transportation Safety Board Aviation Accident Data Summary

Location:	CLEARWATER, FL	Accident Number:	MIA91FA001
Date & Time:	10/02/1990, 1510 EDT	Registration:	N10EK
Aircraft:	ERIK K. VAN DER KAAJ MARCO J-5	Injuries:	1 Fatal
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE PILOT DEPARTED FROM RUNWAY 15 AND REMAINED IN A CLOSED LEFT TRAFFIC PATTERN. WITNESSES OBSERVED THE AIRPLANE ON AN EXTENDED DOWNWIND ABOVE A RESIDENTIAL AREA BETWEEN 50 AND 150 FEET AGL. THE AIRPLANE WAS OBSERVED TO MAKE A LEFT TURN WITH AN ESTIMATED ANGLE OF BANK BETWEEN 45 AND 75 DEGREES. THE NOSE PITCHED DOWN 45 DEGREES AND THE AIRPLANE DESCENDED RAPIDLY. THE LEFT WING TIP COLLIDED WITH A ROOF TOP PRIOR TO THE AIRPLANE CRASHING ON THE ROOF. INVESTIGATION REVEALED THE FLAPERONS AND AIR BRAKE WERE EXTENDED.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S INADVERTENT DEPLOYMENT OF THE AIR BRAKES AT A LOW ALTITUDE.

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: APPROACH - VFR PATTERN - BASE TURN

- Findings
1. (C) SPEED BRAKES - INADVERTENT ACTIVATION - PILOT IN COMMAND
 2. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
 3. (C) STALL/MUSH - INATTENTIVE - PILOT IN COMMAND
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Occurrence #2: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: DESCENT - UNCONTROLLED

- Findings
4. OBJECT - RESIDENCE

Pilot Information

Certificate:	Commercial	Age:	46
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	1200 hours (Total, all aircraft), 28 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	ERIK K. VAN DER KAAY	Registration:	N10EK
Model/Series:	MARCO J-5 MARCO J-5	Engines:	1 Reciprocating
Operator:	ERIK K. VAN DER KAAY	Engine Manufacturer:	IAME
Operating Certificate(s) Held:		Engine Model/Series:	KFM1-7ERMAX1
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	CLW, 71 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	7 knots / , 60°
Temperature:	33 °C	Visibility	6 Miles
Precipitation and Obscuration:			
Departure Point:	Destination:		

Wreckage and Impact Information

Crew Injuries:	1 Fatal	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):	CARROL A SMITH	Adopted Date:	12/08/1992
Investigation Docket:	NTSB accident and incident docket 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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