



National Transportation Safety Board Aviation Accident Final Report

Location:	DENTON, TX	Accident Number:	FTW86FPA02
Date & Time:	11/02/1985, 1704 CST	Registration:	N152DR
Aircraft:	HOMEBUILT FOKKER DR-1 REPLICA	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE PILOT STATED HE WAS MAKING HIS FOURTH FLY-BY AT 400 FEET AGL WHEN THE AIRCRAFT DEVELOPED A HIGH SINK RATE. HE THEN LOWERED THE NOSE AND GAINED AIRSPEED FOR RECOVERY. WHILE LEVELING OFF HE HAD TO TURN LEFT TO AVOID IMPACT WITH A SMALL TREE. AT THIS TIME THE LEFT LOWER WINGTIP CONTACTED THE GROUND AND THE CRASH OCCURRED. GROUND FIRE ERUPTED IMMEDIATELY AFTERWARDS AND THE AIRCRAFT WAS CONSUMED.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Findings

1. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: FIRE
Phase of Operation: OTHER

Factual Information

Pilot Information

Certificate:	Private	Age:	38, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Unknown
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	10/08/1984
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	891 hours (Total, all aircraft), 15 hours (Total, this make and model), 738 hours (Pilot In Command, all aircraft), 45 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	HOMEBUILT	Registration:	N152DR
Model/Series:	FOKKER DR-1 REPLICA FOKKER DR-	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:	Experimental	Serial Number:	152-17
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	08/21/1985, 100 Hour	Certified Max Gross Wt.:	
Time Since Last Inspection:	15 Hours	Engines:	1 Reciprocating
Airframe Total Time:	110 Hours	Engine Manufacturer:	WARNER
ELT:	Not installed	Engine Model/Series:	WARNER MDL165
Registered Owner:	FIGHTING AIR COMMAND	Rated Power:	165 hp
Operator:	FIGHTING AIR COMMAND	Operating Certificate(s) Held:	None

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	15 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	5 knots / 10 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	315°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	20° C
Precipitation and Obscuration:			
Departure Point:	DENTON, TX (1F3)	Type of Flight Plan Filed:	None
Destination:	DENTON, TX (1F3)	Type of Clearance:	None
Departure Time:	1655 CST	Type of Airspace:	Class G

Airport Information

Airport:	HARTLEE FIELD (1F3)	Runway Surface Type:	
Airport Elevation:	588 ft	Runway Surface Condition:	
Runway Used:	0	IFR Approach:	
Runway Length/Width:		VFR Approach/Landing:	

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Destroyed
Passenger Injuries:	N/A	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	JOSEPH N MONTEROSSO	Report Date:	
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](#).