



National Transportation Safety Board Aviation Accident Data Summary

Location:	MCKINNEY, TX	Accident Number:	FTW89DPA01
Date & Time:	10/01/1988, 1200 CDT	Registration:	N151JS
Aircraft:	SHANNON J-BIRD	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE PLT RPRTD HE WAS MAKING A HIGH SPEED TAXI TEST OF HIS GYROPLANE AFTER INSTALLATION OF A DIFFERENT ENG & PROP. HE SAID THE GYROPLANE ENCTRD A BUMP ON THE RWY WHICH CAUSED IT TO BECOME AIRBORNE AT ABOUT 35 MPH (TAKEOFF SPEED WAS 45 MPH). HE ADDED POWER TO SLOW THE DSCNT BACK TO THE RWY, BUT THE GYROPLANE BOUNCED EVEN HIGHER TO ABOUT 6' AGL. IT THEN CONTACTED THE RWY NOSEWHEEL FIRST, ROLLED OVER & SUBSEQUENTLY CAME TO REST IN AN UPRIGHT POSITION WITH SUBSTANTIAL DAMAGE.

Probable Cause

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

Findings

Occurrence #1: MISCELLANEOUS/OTHER
Phase of Operation: TAXI

Findings

1. (C) AIRSPEED - EXCESSIVE - PILOT IN COMMAND
 2. (F) AIRPORT FACILITIES, RUNWAY/LANDING AREA CONDITION - ROUGH/UNEVEN
 3. (C) FLIGHT CONTROLS - IMPROPER USE OF - PILOT IN COMMAND
 4. (C) LIFT-OFF - PREMATURE - PILOT IN COMMAND
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Occurrence #2: HARD LANDING
Phase of Operation: TAKEOFF - ABORTED

Pilot Information

Certificate:	Commercial	Age:	50
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	Gyroplane	Instructor Rating(s):	None
Flight Time:	1603 hours (Total, all aircraft), 149 hours (Total, this make and model), 1511 hours (Pilot In Command, all aircraft), 12 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	SHANNON	Registration:	N151JS
Model/Series:	J-BIRD J-BIRD	Engines:	1 Reciprocating
Operator:	SHANNON, JAY E.	Engine Manufacturer:	ROTAX
Operating Certificate(s) Held:	None	Engine Model/Series:	503
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:	, 0 ft msl	Weather Information Source:	Witness
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	5 knots / , 180°
Temperature:	24° C	Visibility	5 Miles
Precipitation and Obscuration:			
Departure Point:	Destination:		

Airport Information

Airport:	AERO COUNTRY (TX05)	Runway Surface Type:	Asphalt
Runway Used:	17	Runway Surface Condition:	Rough
Runway Length/Width:	2950 ft / 40 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	JERRY E ROBERTS	Adopted Date:	11/28/1989
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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