



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Bristol, TN	<b>Accident Number:</b>	GAA18CA026
<b>Date &amp; Time:</b>	10/26/2017, 1240 EDT	<b>Registration:</b>	N230MG
<b>Aircraft:</b>	JOHN A BREWER ELA AVIACION 10 ECLI	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

The pilot of the gyroplane reported that, when he returned to the airport for landing, the wind was calm. After touchdown, the gyroplane was on a slow roll when the tower controller asked the pilot if he wanted to exit at intersection Charlie. The pilot was about to reply to the controller when the gyroplane unexpectedly tipped over and came to rest on its side.

The gyroplane sustained substantial damage to the horizontal and vertical stabilizers.

The pilot reported that there were no preaccident mechanical malfunctions or failures with the gyroplane that would have precluded normal operation.

## Probable Cause and Findings

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

The pilot's failure to maintain lateral control during the landing roll.

## Findings

Aircraft	Lateral/bank control - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Pilot (Cause)

## Factual Information

### History of Flight

Landing-landing roll	Loss of control on ground (Defining event)
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### Pilot Information

Certificate:	Private	Age:	57, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Front
Other Aircraft Rating(s):	Gyroplane	Restraint Used:	4-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With Waivers/Limitations	Last FAA Medical Exam:	05/17/2013
Occupational Pilot:	No	Last Flight Review or Equivalent:	10/25/2017
Flight Time:	(Estimated) 1570 hours (Total, all aircraft), 24 hours (Total, this make and model), 1480 hours (Pilot In Command, all aircraft), 40 hours (Last 90 days, all aircraft), 8 hours (Last 30 days, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Make:	JOHN A BREWER	Registration:	N230MG
Model/Series:	ELA AVIACION 10 ECLI NO SERIES	Aircraft Category:	Gyroplane
Year of Manufacture:	2016	Amateur Built:	Yes
Airworthiness Certificate:	Experimental	Serial Number:	1014
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	09/19/2017, Condition	Certified Max Gross Wt.:	1234 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	104 Hours as of last inspection	Engine Manufacturer:	Rotax
ELT:	Not installed	Engine Model/Series:	914 UL
Registered Owner:	On file	Rated Power:	115 hp
Operator:	On file	Operating Certificate(s) Held:	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KTRI, 1525 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	1653 UTC	Direction from Accident Site:	64°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	Light and Variable /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	Variable	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	29.99 inches Hg	Temperature/Dew Point:	13° C / 2° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Bristol, TN (TRI)	Type of Flight Plan Filed:	None
Destination:	Bristol, TN (TRI)	Type of Clearance:	VFR
Departure Time:	1140 EDT	Type of Airspace:	Class D

## Airport Information

Airport:	TRI-CITIES (TRI)	Runway Surface Type:	Asphalt
Airport Elevation:	1518 ft	Runway Surface Condition:	Dry
Runway Used:	23	IFR Approach:	None
Runway Length/Width:	8000 ft / 150 ft	VFR Approach/Landing:	Traffic Pattern

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	36.468611, -82.415278 (est)

## Administrative Information

Investigator In Charge (IIC):	Jackie L Vanover	Report Date:	05/14/2018
Additional Participating Persons:	Aaron DeVogel; FAA; Nashville, TN		
Publish Date:	05/14/2018		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=96252">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=96252</a>		

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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](#).