

NATIONAL TRANSPORTATION SAFETY BOARD PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT

This form to be used for reporting civil and public aircraft accidents and incidents

BASIC INFORMATION

Accident/Incident Location Nearest City/Place: <u>Key West</u> State: <u>FL</u> ZIP: <u>33040</u> Country: <u>USA</u> Latitude: _____ Longitude: _____ <i>(Enter in decimal degrees or degrees:minutes:seconds)</i>		Accident/Incident Date/Time Date: <u>03/15/2018</u> Local Time: <u>1300</u> <i>mm/dd/yyyy</i> Time Zone: <u>EST</u> Collision with Other Aircraft: ☐ Midair ☐ On-ground ☒ None	
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AIRCRAFT INFORMATION

Registration Number: <u>713CX</u> Manufacturer: <u>Cessna</u> Model: <u>177 Cardinal</u> Serial Number: _____ Year of Manufacture: <u>1968</u> Amateur-Built: ☒ Yes ☐ No If Yes: ☐ Kit/Plans ☐ Original Design Make: _____		☒ IFR-Equipped and Certified ☐ Commercial Space Flight ☐ Unmanned Aircraft Maximum Gross Weight: <u>2550</u> lbs Weight at Time of Accident/Incident: <u>2400</u> lbs Number of Seats: <u>4</u> Flight Crew Seats: <u>1</u> Cabin Crew Seats: _____ Passenger Seats: <u>3</u> Number of Engines: <u>1</u>	
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Category of Aircraft ☒ Airplane ☐ Balloon ☐ Blimp/Dirigible ☐ Glider ☐ Gyroplane ☐ Helicopter ☐ Powered Lift ☐ Rocket ☐ Ultralight ☐ Unknown	Type of Airworthiness Certificate <i>(Check all that apply)</i> <table style="width: 100%;"> <tr> <th>Standard</th> <th>Special</th> </tr> <tr> <td>☒ Normal</td> <td>☐ Restricted</td> </tr> <tr> <td>☐ Aerobatic</td> <td>☐ Limited</td> </tr> <tr> <td>☐ Balloon</td> <td>☐ Provisional</td> </tr> <tr> <td>☐ Commuter</td> <td>☐ Special Flight</td> </tr> <tr> <td>☐ Transport</td> <td>☐ Experimental</td> </tr> <tr> <td>☐ Utility</td> <td>☐ Special Light-Sport</td> </tr> <tr> <td></td> <td>☐ Experimental Light-Sport</td> </tr> </table> ☐ Certificate of Authorization or Waiver (COA) ☐ None ☐ Unknown	Standard	Special	☒ Normal	☐ Restricted	☐ Aerobatic	☐ Limited	☐ Balloon	☐ Provisional	☐ Commuter	☐ Special Flight	☐ Transport	☐ Experimental	☐ Utility	☐ Special Light-Sport		☐ Experimental Light-Sport	Landing Gear <i>(Check all that apply)</i> ☐ Retractable ☒ Tricycle ☐ Tailwheel ☐ Amphibian ☐ High Skid ☐ Emergency Float ☐ Skid ☐ Float ☐ Ski ☐ Hull ☐ Ski/Wheel ☐ Other Launch/Recovery System ☐ None ☐ Unknown	Engine Type (Select one) ☒ Reciprocating ☐ Liquid Rocket ☐ Turbo Shaft ☐ Solid Rocket ☐ Turbo Prop ☐ Hybrid Rocket ☐ Turbo Jet ☐ None ☐ Turbo Fan ☐ Unknown ☐ Electric Fuel System Type (Reciprocating) ☐ Carburetor ☐ Fuel-Injected
Standard	Special																		
☒ Normal	☐ Restricted																		
☐ Aerobatic	☐ Limited																		
☐ Balloon	☐ Provisional																		
☐ Commuter	☐ Special Flight																		
☐ Transport	☐ Experimental																		
☐ Utility	☐ Special Light-Sport																		
	☐ Experimental Light-Sport																		

Engine	Engine Manufacturer	Engine Model/Series	Manufacturer's Serial Number	Date of Mfg. <i>mm/dd/yyyy</i>	Rated Power ☒ Horsepower or ☐ lbs of Thrust	Total Time (hours)	Time Since: Inspection (hours)	Overhaul (hours)
Eng. 1	<u>Lycoming</u>	<u>IO-360</u>			<u>200</u>	<u>2</u>	<u>36</u>	
Eng. 2								
Eng. 3								
Eng. 4								

Last Inspection Type ☐ 100-Hour ☐ Continuous Airworthiness ☐ AAIP ☐ Conditional Inspection ☒ Annual ☐ Unknown Date Last Inspection: <u>02/28/2018</u> <i>mm/dd/yyyy</i> Airframe Total Time: _____ hrs hours measured at (Select one) ☐ Last Inspection ☐ Time of Accident/Incident	Propeller 1 ☒ Fixed Pitch ☐ Controllable Pitch ☐ Ground Adjustable Manufacturer: _____ Model: _____ Propeller 2 ☐ Fixed Pitch ☐ Controllable Pitch ☐ Ground Adjustable Manufacturer: _____ Model: _____
Type of Maintenance Program (Select one) ☒ Annual ☐ Conditional (Amateur-built only) ☐ Manufacturer's Inspection Program ☐ Other Approved Inspection Program (AAIP) ☐ Continuous Airworthiness ☐ Other, specify: _____	ELT Installed: ☐ Yes ☐ No If Yes: ELT Manufacturer: _____ Model or Part No.: _____ TSO No.: ☐ OC91 (121.5 MHz) ☐ OC91a (121.5 MHz) ☐ OC126 (406 MHz) Was ELT still mounted in aircraft? ☐ Yes ☐ No Was ELT still connected to antenna? ☐ Yes ☐ No Did ELT Activate? ☐ Yes ☐ No If activated: Did ELT Aid in Locating Aircraft? ☐ Yes ☐ No If not activated: Indicate Reason: ☐ Impact Damage ☐ Fire Damage ☐ Battery Expired/Damaged ☐ Unknown
Description of Fire Extinguishing System ☒ None ☐ Specify: <u>Fire extinguisher on board</u>	Additional Equipment (Check all that apply) ☐ ADS-B ☐ Airframe Parachute ☐ Angle of Attack Indicator ☒ Autopilot ☐ Data Recorder ☒ Electronic Flight Bag or Handheld Device ☐ Electronic Multifunction Display ☐ Electronic Primary Flight Display ☒ Handheld GPS ☐ Heads Up Display ☐ Onboard Weather ☐ Satellite Tracking Device ☒ Stall Warning System ☐ Video Recording Device ☐ Other, Specify: _____

OWNER/OPERATOR INFORMATION

Registered Aircraft Owner

Name: Abraham Cox

Fractional Ownership Aircraft: ☐ Yes ☒ No

City: Key West Florida

State: FL ZIP: 33040

Country: US

Operator of Aircraft

☒ Same As Registered Owner

☐ Same Address as Registered Owner

Name: _____

City: _____

Doing Business As: _____

State: _____ ZIP: _____

Air Carrier/Operator Designator (4 Character Code): _____

Country: _____

Operating Certificates Held

(Check all that apply)

- ☒ None
- ☐ Flag Carrier Operating Certificate (FAR 121)
- ☐ Supplemental
- ☐ Air Cargo
- ☐ Foreign Air Carriers (FAR 129)
- ☐ Rotorcraft External Load (FAR 133)
- ☐ Commuter Air Carrier (FAR 135)
- ☐ On-Demand Air Taxi (FAR 135)
- ☐ Commercial Air Tour (FAR 136)
- ☐ Agricultural Aircraft (FAR 137)
- ☐ Pilot School (FAR 141)
- ☐ Certificate of Authorization or Waiver (COA)
- ☐ Commercial Space Transportation Experimental Permit
- ☐ Commercial Space Transportation License
- ☐ Other Operator of Large Aircraft

Regulation Flight Conducted Under

- ☒ FAR 91 ☐ FAR 129 ☐ FAR 415
- ☐ FAR 103 ☐ FAR 133 ☐ FAR 431
- ☐ FAR 121 ☐ FAR 135 ☐ FAR 435
- ☐ FAR 125 ☐ FAR 137 ☐ FAR 437

- ☐ FAR 91 Special Flight
- ☐ Non-US, Commercial
- ☐ Non-US, Non-commercial

- ☐ Public Aircraft (Select one)
- ☐ Armed Forces
- ☐ Federal
- ☐ State
- ☐ Local
- ☐ Unknown

Revenue Operation for FAR 121, 125, 129, 135

(Select one for each group)

- ☐ Scheduled or Commuter ☐ Domestic
- ☐ Non-Scheduled or Air Taxi ☐ International
- ☐ Passenger
- ☐ Cargo
- ☐ Mail Contract Only

Purpose of Flight for FAR 91, 103, 133, 137

(Select one)

- ☐ Aerial Application ☐ Firefighting ☐ Unknown
- ☐ Aerial Observation ☐ Flight Test
- ☐ Air Drop ☐ Glider Tow
- ☐ Air Race/Show ☐ Instructional
- ☐ Banner Tow ☐ Other Work Use
- ☐ Business ☒ Personal
- ☐ Executive/Corporate ☐ Positioning
- ☐ External Load ☐ Skydiving
- ☐ Ferry

Revenue Sightseeing Flight

☐ Yes ☒ No

Air Medical Flight

☐ Yes ☒ No

AIRPORT INFORMATION (Fill in if accident/incident occurred on approach, landing, takeoff, departure, or within 3 miles of an airport)

Airport Name: Key West International

Airport Identifier: KEYW

Proximity to Airport: ☐ Off Airport/Airstrip ☒ On Airport/Airstrip ☐ ON/A

Distance From Airport Center: 1/10 sm

Direction From Airport: 150 degrees true

Airport Elevation: 10 ft. msl

Runway Information

Runway ID: 09 (L/R/C) Length: 5000 ft Width: 150 ft

Runway/Landing Surface (Check all that apply)

- ☒ Asphalt ☐ Grass/Turf ☐ Macadam ☐ Water
- ☐ Concrete ☐ Gravel ☐ Metal/Wood
- ☐ Dirt ☐ Ice ☐ Snow ☐ Unknown

Condition of Runway/Landing Surface (Check all that apply)

- ☒ Dry ☐ Snow-Compacted ☐ Water-Calm
- ☐ Holes ☐ Snow-Crusted ☐ Water-Choppy
- ☐ Ice Covered ☐ Snow-Dry ☐ Water-Glassy
- ☐ Rough ☐ Snow-Wet ☐ Wet
- ☐ Rubber Deposits ☐ Soft
- ☐ Slush-Covered ☐ Vegetation ☐ Unknown

Approach/Departure Segment (Select one)

- ☐ Taxi ☒ VFR Departure ☐ On Instrument Approach ☐ Downwind ☐ Low Approach
- ☐ Takeoff ☐ IFR Departure Procedure/Clearance ☐ Landing ☐ Base ☐ Go Around
- ☒ Initial Climb 300-400' AGL ☐ Final ☐ Aborted Landing (after touchdown)
- ☐ Crosswind ☐ Unknown

IFR Approach (Check all that apply)

- ☐ None
- ☐ ADF/NDB ☐ PAR ☐ MLS ☐ Practice
- ☐ SDF ☐ Sidestep ☐ LDA ☐ GPS
- ☐ VOR/TVOR ☐ ILS ☐ ASR
- ☐ VOR/DME ☐ Localizer Only ☐ Visual
- ☐ TACAN ☐ LOC-back course ☐ Contact
- ☐ RNAV ☐ Circling ☐ Unknown

VFR Approach (Check all that apply)

- ☐ None
- ☐ Traffic Pattern ☐ Stop and Go
- ☐ Straight-In ☐ Touch and Go
- ☐ Valley/Terrain Following ☐ Simulated Forced Landing
- ☐ Go Around ☐ Forced Landing
- ☐ Full Stop ☐ Precautionary Landing
- ☐ Unknown

"Flight Crewmember 1" Responsibilities at the Time of Accident/Incident

☒ Pilot ☐ Co-Pilot ☐ Student Pilot ☐ Flight Instructor ☐ Check Pilot ☐ Flight Engineer ☐ Other Flight Crew

"Flight Crewmember 1" was pilot flying ☒ Yes ☐ No

"Flight Crewmember 1" Identification

First Name: David City of Residence: Dallas
 Middle Initial: M State: TX ZIP: 75230
 Last Name: Wright Country: USA
 Age at time of Accident/Incident: 58 Date of Birth: 10/29 mm/dd/yyyy
 Certificate Number: [REDACTED]

Degree of Injury ☐ None ☐ Fatal ☒ Minor ☐ Unknown ☐ Serious	Seat Occupied ☒ Left ☐ Front ☐ Unknown ☐ Right ☐ Rear ☐ Center ☐ Single	Restraint Type Available ☐ None ☒ Lap only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used ☐ None ☒ Lap only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown	Inflatable Restraints ☒ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown
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Pilot Certificate(s) (Check all that apply)

☐ None ☐ Flight Instructor ☐ Commercial ☐ US Military
☐ Private ☐ Recreational ☒ Airline Transport ☐ Foreign
☐ Student ☐ Sport ☐ Flight Engineer

Principal Occupation

☐ Pilot
☒ Other
☐ Unknown

Medical Certificate

☐ None ☒ Class 3
☐ Class 1 ☐ Driver's License (Sport Pilot only)
☐ Class 2 ☐ Unknown

Medical Certificate Validity

☐ Without limitations/waivers ☐ Unknown
☒ With limitations/waivers ☐ N/A
☐ Special Issuance

Date of Last Medical

08/18/2018
mm/dd/yyyy

Medical Certificate Limitations

must wear/have near vision glasses

Medical Certificate Special Issuance

Date of Last Flight Review or Equivalent, Including FAR 121/135 Checks:

01/06/2019
mm/dd/yyyy

Flight Review Aircraft

Make: Cessna
 Model: Citation 510 Mustang

Airplane Rating(s) (Check all that apply)

☐ None
☒ Single-Engine Land
☐ Single-Engine Sea
☒ Multiengine Land
☐ Multiengine Sea

Other Aircraft Rating(s) (Check all that apply)

☐ None
☐ Airship
☐ Balloon
☐ Glider
☐ Gyroplane
☒ Helicopter
☐ Powered Lift

Instrument Rating(s) (Check all that apply)

☐ None
☒ Airplane
☐ Helicopter
☐ Powered Lift

Instructor Rating(s) (Check all that apply)

☐ None
☒ Airplane Single-Engine
☐ Airplane Multi-Engine
☐ Gyroplane
☐ Powered Lift
☐ Instrument Airplane
☐ Instrument Helicopter
☐ Helicopter
☐ Glider
☐ Sport

Type Ratings

B-767/757
BAE-3100
Ce 510(S)

Student Endorsements (Include dates)

Flight Time (Enter appropriate number of hours in each box)	All Aircraft	This Make & Model	Airplane Single Engine	Airplane Multiengine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time	15,050	3	1750	13,000	4,100	2,000+	2,900	110		
Pilot in Command (PIC)	4,000	3	1500	2500						
Time as Instructor										
This Make/Model										
Last 90 Days	10		10							
Last 30 Days	2		2							
Last 24 Hours	—		—							

"Flight Crewmember 2" Responsibilities at the Time of Accident/Incident ☐ Pilot ☐ Co-Pilot ☐ Student Pilot ☐ Flight Instructor ☐ Check Pilot ☐ Flight Engineer ☐ Other Flight Crew																																																																																																				
"Flight Crewmember 2" was pilot flying ☐ Yes ☐ No																																																																																																				
"Flight Crewmember 2" Identification First Name: _____ City of Residence: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____ Age at time of Accident/Incident: _____ Date of Birth: _____ mm/dd/yyyy Certificate Number: _____																																																																																																				
Degree of Injury ☐ None ☐ Fatal ☐ Minor ☐ Unknown ☐ Serious		Seat Occupied ☐ Left ☐ Front ☐ Unknown ☐ Right ☐ Rear ☐ Center ☐ Single			Restraint Type <table style="width:100%;"> <tr> <th style="text-align: left;">Available</th> <th style="text-align: left;">Used</th> </tr> <tr> <td>☐ None</td> <td>☐ None</td> </tr> <tr> <td>☐ Lap only</td> <td>☐ Lap only</td> </tr> <tr> <td>☐ 3-point</td> <td>☐ 3-point</td> </tr> <tr> <td>☐ 4-point</td> <td>☐ 4-point</td> </tr> <tr> <td>☐ 5-point</td> <td>☐ 5-point</td> </tr> <tr> <td>☐ Unknown</td> <td>☐ Unknown</td> </tr> </table>				Available	Used	☐ None	☐ None	☐ Lap only	☐ Lap only	☐ 3-point	☐ 3-point	☐ 4-point	☐ 4-point	☐ 5-point	☐ 5-point	☐ Unknown	☐ Unknown	Inflatable Restraints ☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown																																																																													
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Principal Occupation ☐ Pilot ☐ Other ☐ Unknown																																																																																																				
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Airplane Rating(s) (Check all that apply) ☐ None ☐ Single-Engine Land ☐ Single-Engine Sea ☐ Multiengine Land ☐ Multiengine Sea		Other Aircraft Rating(s) (Check all that apply) ☐ None ☐ Airship ☐ Balloon ☐ Glider ☐ Gyroplane ☐ Helicopter ☐ Powered Lift		Instrument Rating(s) (Check all that apply) ☐ None ☐ Airplane ☐ Helicopter ☐ Powered Lift		Instructor Rating(s) (Check all that apply) ☐ None ☐ Airplane Single-Engine ☐ Airplane Multi-Engine ☐ Gyroplane ☐ Powered Lift ☐ Instrument Airplane ☐ Instrument Helicopter ☐ Helicopter ☐ Glider ☐ Sport																																																																																														
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ADDITIONAL FLIGHT CREWMEMBERS (Exclusive of cabin crew, complete the following information)									
Crew Name and Address First Name: <u>Abraham</u> City of Residence: <u>Key West</u> Middle Initial: _____ State: <u>FL</u> ZIP: <u>33040</u> Last Name: <u>Cox</u> Country: <u>USA</u>					Seat Occupied ☐ Left ☐ Front ☐ Center ☐ Rear ☒ Right ☐ Single ☐ Unknown ☐ Unknown		Injury ☒ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown		
Pilot Certificate(s) (Check all that apply) ☐ None ☐ Flight Instructor ☐ Commercial ☐ US Military ☐ Private ☐ Recreational ☐ Airline Transport ☐ Foreign ☒ Student ☐ Sport ☐ Flight Engineer					Restraint Type: Available ☐ None ☒ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used ☐ None ☒ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown		Inflatable Restraints ☒ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown		
Type Rating/Endorsement for <u>Do not know</u> Accident/Incident Aircraft? ☐ Yes ☐ No					Total Flight Time at the Time <u>(?)</u> of this Accident/Incident: <u>35</u> hrs				
Crew Name and Address First Name: _____ City of Residence: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____					Seat Occupied ☐ Left ☐ Front ☐ Center ☐ Rear ☐ Right ☐ Single ☐ Unknown ☐ Unknown		Injury ☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown		
Pilot Certificate(s) (Check all that apply) ☐ None ☐ Flight Instructor ☐ Commercial ☐ US Military ☐ Private ☐ Recreational ☐ Airline Transport ☐ Foreign ☐ Student ☐ Sport ☐ Flight Engineer					Restraint Type: Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown		Inflatable Restraints ☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown		
Type Rating/Endorsement for _____ Accident/Incident Aircraft? ☐ Yes ☐ No					Total Flight Time at the Time _____ of this Accident/Incident: _____ hrs				
PASSENGERS / OTHER PERSONNEL (Include cabin crew; continue on separate sheet if necessary)									
Name and Address First Name: <u>David</u> City: <u>Dallas</u> Middle Initial: <u>M</u> State: <u>TX</u> ZIP: <u>75230</u> Last Name: <u>Wright</u> Country: <u>US</u> ☐ Crew ☒ Passenger ☐ Other		Seat ☐ Left ☐ Center ☐ Right ☐ Unknown <u>Back</u>	Injury ☒ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Restraint Type Available ☐ None ☒ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used ☐ None ☒ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown		Inflatable Restraints ☒ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	Age ☐ Under 5 years If Under 5, ☐ Child Restraint ☐ Lap-Held ☐ Unknown		
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____ ☐ Crew ☐ Passenger ☐ Other		☐ Left ☐ Center ☐ Right ☐ Unknown Row: _____	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown		☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If Under 5, ☐ Child Restraint ☐ Lap-Held ☐ Unknown		
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____ ☐ Crew ☐ Passenger ☐ Other		☐ Left ☐ Center ☐ Right ☐ Unknown Row: _____	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown		☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If Under 5, ☐ Child Restraint ☐ Lap-Held ☐ Unknown		
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____ ☐ Crew ☐ Passenger ☐ Other		☐ Left ☐ Center ☐ Right ☐ Unknown Row: _____	☐ None ☐ Minor ☐ Serious ☐ Fatal ☐ Unknown	Available ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown Used ☐ None ☐ Lap Only ☐ 3-point ☐ 4-point ☐ 5-point ☐ Unknown		☐ Not Installed ☐ Installed ☐ Not Deployed ☐ Deployed ☐ Unknown	☐ Under 5 years If Under 5, ☐ Child Restraint ☐ Lap-Held ☐ Unknown		

Last Departure Point	Time of Departure	Destination	Type Flight Plan Filed
Airport ID: <u>Keyw</u>	Time: <u>13:20</u>	Airport ID: <u>Keyw</u>	☒ None ☐ VFR/IFR
City: <u>Key West</u>		City: <u>Key West</u>	☐ Company VFR ☐ IFR
State: <u>FL</u>	Time Zone: <u>EST</u>	State: <u>FL</u>	☐ Military VFR ☐ Unknown
Country: <u>US</u>		Country: <u>US</u>	☐ VFR
			Activated? ☐ Yes ☐ No ☐ Unknown

Type of ATC Clearance/Service (Check all that apply)				
☐ None	☐ Special VFR	☐ Special IFR	☐ VFR Flight Following	☐ Cruise
☒ VFR	☐ IFR	☐ VFR On Top	☐ Traffic Advisory	☐ Unknown / NA
Airspace where the accident/incident occurred (Check all that apply)				
☐ Class A	☐ Class G	☐ Military Operations Area (MOA)	☐ Special	Altitude of In-Flight Occurrence: <u>3-400</u> ft msl
☐ Class B	☐ Demo Area	☐ Airport Advisory Area	☐ Air Traffic Control Area	
☐ Class C	☐ Warning Area	☐ Jet Training Area	☐ Unknown	
☒ Class D	☐ Prohibited Area	☐ TRSA		
☐ Class E	☐ Restricted Area	☐ FAR 93		

Source of Pilot Weather Information (Check all that apply)		Weather Observation Facility	
☐ National Weather Service ☐ Flight Service Station ☐ TV/Radio ☒ Automated Report ☐ Commercial Weather Service (DUATS) ☒ On-Board Weather	☐ Company ☐ Military ☐ Internet ☐ None ☐ Unknown	Facility ID: <u>KeyW</u> Observation Time: <u>12:50 pm</u> Time Zone: <u>EST</u> Distance from Accident Site: <u>onsite ATIS</u> Direction from Accident Site: _____ degrees true	

Basic Conditions	Light Condition	
☒ VMC ☐ IMC ☐ Unknown	☐ Dawn ☒ Day	☐ Dusk ☐ Night ☐ Dark Night ☐ Bright Night ☐ Unknown
Sky/Lowest Cloud Condition	Ceiling	Temperature: _____ (C) or <u>75</u> (F)
☒ Clear ☐ Few ☐ Partial Obscuration ☐ Scattered ☐ Thin Broken ☐ Thin Overcast ☐ Unknown	☒ None (Clear) ☐ Broken ☐ Overcast ☐ Obscured ☐ Indefinite ☐ Unknown	Dew Point: _____ (C) or <u>58</u> (F)
Lowest Cloud Condition Height	Ceiling Height	Altimeter Setting: <u>30.12</u> in. Hg or _____ MB
_____ ft agl	_____ ft agl	

Wind Direction ☐ Variable -or- Direction: <u>030</u> degrees true	Wind Speed ☐ Calm ☐ Light and Variable -or- Speed: <u>12</u> kts	Wind Gusts ☐ Not Gusting -or- Speed: <u>18</u> kts	Visibility <u>CAOU</u> miles RVR: _____ feet RVV: _____ miles Density Altitude: _____ ft
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Intensity of Precipitation	Type of Precipitation (Check all that apply)	Restriction to Visibility (Check all that apply)
☐ Light ☐ Moderate ☐ Heavy ☐ N/A ☐ Unknown	☒ None ☐ Rain ☐ Snow ☐ Hail ☐ Rain Showers ☐ Drizzle ☐ Ice Pellets ☐ Snow Pellets ☐ Snow Grains ☐ Ice Crystals ☐ Freezing Rain ☐ Snow Shower ☐ Ice Pellets Shower ☐ Freezing Drizzle	☒ None ☐ Blowing Dust ☐ Blowing Sand ☐ Blowing Snow ☐ Blowing Spray ☐ Dust ☐ Fog ☐ Ground Fog ☐ Haze ☐ Ice Fog ☐ Smoke ☐ Unknown

Icing Forecast		Icing Actual		Turbulence	
Amount	Type	Amount	Type	Type (Check all that apply)	Severity
☒ None	☐ N/A	☒ None	☐ N/A	☒ None	☐ Light
☐ Trace	☐ Rime	☐ Trace	☐ Rime	☐ Clear Air	☐ Moderate
☐ Light	☐ Clear	☐ Light	☐ Clear	☐ Terrain-Induced	☐ Severe
☐ Moderate	☐ Mixed	☐ Moderate	☐ Mixed	☐ Convective Turbulence	☐ Extreme
☐ Severe	☐ Unknown	☐ Severe	☐ Unknown		
☐ Unknown		☐ Unknown			

NOTAMs (D and FDC), AIRMETs, SIGMETs, PIREPs in effect at the time of the accident/incident:

Aircraft Damage			Aircraft Fire		Aircraft Explosion	
☐ None ☐ Minor	☒ Substantial ☐ Destroyed ☐ Unknown	☒ None ☐ In-Flight ☐ On-Ground	☐ Both Ground and In-Flight ☐ Fire at Unknown Time ☐ Unknown	☒ None ☐ In-Flight ☐ On-Ground	☐ Both Ground and In-Flight ☐ Explosion at Unknown Time ☐ Unknown	
Description of Damage to Aircraft and Other Property <i>(Use additional sheet if necessary)</i> Damaged both wings, bent firewall, windshield and rear windows broken, nose wheel broken						
NARRATIVE HISTORY OF FLIGHT <i>(Please type or print in ink)</i> Describe what occurred in chronological order, including circumstances leading to and nature of accident/incident. Describe terrain and include wreckage distribution sketch if pertinent. Attach extra sheets if needed. State departure time and and location, services obtained, and intended destination. Provide as much detail as possible. - see attached sheets -						

Operator/Owner Safety Recommendation

see narrative sheet

MECHANICAL MALFUNCTION/FAILURE (If more space is needed, continue on separate sheet.)

Was there Mechanical Malfunction/Failure? ☒ Yes ☐ No

(If yes, list the name of the part, manufacturer, part no., serial no., and describe the failure.)

Do not know, suspect throttle linkage or internal Acl control failure.

Total Time/Cycles
On Part unk

_____ Hours

_____ Cycles

Time Since This Part
Inspected/Overhauled

_____ Hours

FUEL & SERVICES INFORMATION

Fuel on Board at Last Takeoff
(Convert from pounds, as necessary)

50 Gallons

Fuel Type

☐ 80/87

☒ 100 Low Lead

☐ 100/130

☐ 115/145

☐ Jet A

☐ Jet A-1

☐ Jet B

☐ JP8

☐ Automotive

☐ Other, specify _____

Other Services, if Any, Prior to Departure

EVACUATION OF AIRCRAFT

Was an emergency evacuation of the aircraft performed? ☒ Yes ☐ No

Method of Exit - Describe how the occupants exited and how many occupants evacuated each location

Departed through open co-pilot door

OTHER AIRCRAFT - COLLISION (If air or ground collision occurred, complete this section.)

Aircraft Registration Number

N/A

Manufacturer:

Model:

N/A

Damage to Other Aircraft

☐ Destroyed

☐ Substantial

☐ Minor

☐ None

Registered Owner of Other Aircraft

Name: _____

City: _____

State: _____ ZIP: _____

Country: _____

Pilot of Other Aircraft

Name: _____

City: _____

State: _____ ZIP: _____

Country: _____

ADDITIONAL INFORMATION (Please type or print in ink)

Use this space if additional space is needed for any answers.

I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

Date of this Report

03/21/2018
mm/dd/yyyy

Name of Pilot/Operator: _____

Signature: _____

-- or -- ☐ Check here to electronically sign this document

If a Person Other than Pilot/Operator is Filing Report

Name:

David Mark Wyant SR.

Title:

Flying Pilot

Signature: _____

-- or -- ☒ Check here to electronically sign this document

FOR NTSB USE ONLY

NTSB Accident/Incident No.

ERA18LA107

Reviewed by NTSB Regional Office

ERA

Name of Investigator

Gretz

Date Report Received

3/23/18

Accident Narrative: March 15, 2018 N713CX Key West International Airport

Aircraft is owned by Abraham Cox, my General Manager at my hotel in Key West. He is a student pilot not yet checked out to fly solo in this particular airplane. We decided to go on a short sightseeing flight on Thursday, March 15, 2018 along with my 12-year old son, David Mark Wyant, Jr. We arrived at the airport at 1:00 pm and pre-flighted the aircraft together checking fuel, controls, oil levels and airframe. Upon strapping in myself in the left seat, Abraham in the right seat and my son David in the back seat, we executed the pre-start checklist and started the airplane. Start-up/warm-up were normal. During this time we obtained ATIS, discussed where we would go on there trip (out to the west) and called ground. We were cleared to Runway 9 and I taxied the airplane to the end of the runway. At this point we set the brakes, did the pre-take off checks and the run up. I ran the engine up to 1800 RPM checked both mags (less than 50 RPM loss on each and comparatively to each other) vacuum, alternator charge and engine temperatures. The mag checks were perfect. Upon reducing the power back to 1600 RPM I exercised the prop control twice with satisfactory results. Once this was completed I reduced the power back to idle and noticed all engine indications were proper for departure-Oil temp/alternator/charging/vacuum/MP/RPM. I then called tower ready for departure. The Tower cleared us for departure with a left turn out and downwind to the west as we had requested. At this point I rolled onto the runway, aligned the aircraft with the centerline and applied full power. The aircraft immediately began a normal acceleration with RPM's Indicating 2650 RPM approximate and 27" MP approximately. A glance down to my engine indicators showed all was normal. The airplane felt normal. At 60-70 mph I rotated to 10 degrees nose up and began a normal climb. At initial climb I briefly looked over to check my crab angle (we had a 70 degree crosswind) and noticed we had broken ground at the end of the airplane tie down area. We continued the climb normally to approximately 350-400 AGL when suddenly and without any warning the engine dropped smoothly back to idle power. No backfire, no sputter, no vibration. Just a smooth reduction over a second or two from 2700 RPM- almost like an instructor simulating an engine failure. Around 2 to 3 seconds elapsed while we looked at each other stunned, not believing this had happened!

I do remember lowering the nose instinctively during this time. At this point I quickly snapped on the aux fuel pump to the left and pumped the throttle twice but to no avail. We had been in the air less than 30 seconds so we had maybe 350' of altitude left at this point. I immediately looked forward to see the numbers go under us. I looked to my side to see mangrove trees and a housing development and I looked straight ahead to see a large thicket of mature mangrove trees....trees with large trunks I knew from previous observations on the ground that an aluminum airplane would not survive crashing into. My thoughts then went to trying to make the shallow water to our right or Roosevelt Drive, so I began a shallow turn to the south in hopes of reaching this (all of the above happened in less time than it took to read it). Upon rolling out 40-50 degrees from centerline heading I realized I did not have the airspeed or altitude to make it that far and began focusing on the small street and parking lots immediately below me - unfortunately with power lines in my way both high and low. I knew I could not trade any airspeed for altitude to clear the top wires so I began focusing all of my attention on "center punching" with my spinner the lower ones in an attempt to use them as a deceleration device to allow me to hit flat on the road just beyond them (I couldn't go under them as a building was there and I was afraid to try to split the low and high wires as I was concerned catching them on my landing gear would cause us to invert.) My main focus this entire time was (1) to land flat with the gear on the ground (2) not to enter any type of stall spin situation (3) to "fly through the crash" as much as I could.

When we hit the wires the windshield immediately exploded in my face and one to two seconds later the plane impacted nose wheel first on the road (about 10 degrees nose down as best as I could tell). This broke off the nose wheel but we stayed in the flat position during the slide to a stop on the small street. During this time Abraham's door popped open and after the

Accident Narrative: March 15, 2018 N713CX Key West International Airport

aircraft came to a stop I immediately ordered a quick evacuation of the aircraft which everyone complied with. Fire and Rescue were on the scene within 3 minutes and no fire or any other complicating factor occurred. I sustained a twisted ankle and cut on my face but other than that there were no other injuries.

In conclusion I suspect that something within the fuel control unit on the airplane failed allowing the engine to develop only idle power. There is some conjecture that a diaphragm that meters fuel or one of the small arms that meter fuel failed internally. There was no ignition problem. There was no "backfire" when it lost power nor was there any roughness of the engine, leading me to believe that the fuel control unit has an issue. One later note...I found out is that Abraham had been having some troubles with the airplane running too rich and had recently had the mixture adjusted by a mechanic in order to alleviate this problem. This also points to some questions about the fuel control unit.

All in all we came out alive and unscathed. About the best you could expect in a situation like this.

Best Regards,

David Mark Wyant

