



National Transportation Safety Board Aviation Accident Factual Report

Location:	Marana, AZ	Accident Number:	LAX01LA089
Date & Time:	02/01/2001, 1934 MST	Registration:	N29KK
Aircraft:	Arthur Dragonfly	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

On February 1, 2001, at 1934 hours mountain standard time, an amateur-built experimental Arthur Dragonfly, N29KK, lost engine power and made an emergency forced landing southeast of Marana, Arizona. During the landing, the aircraft encountered rough terrain. The airplane sustained substantial damage, and the certificated private pilot, the sole occupant, received only minor injuries. The airplane was being operated by the pilot/owner as a personal flight under 14 CFR Part 91 when the accident occurred. The local flight originated from the Marana Northwest Regional Airport about 1910. Visual meteorological conditions prevailed at the time and no flight plan had been filed.

The pilot told Safety Board investigators that he had been in cruise flight at 4,000 feet mean sea level when the engine quit. He said that he verified that the electric fuel pump switch was in the "on" position. He then moved the fuel mixture control to the "full rich" position and engaged the starter. After his unsuccessful attempts to start the engine, he made an emergency forced landing in open desert terrain. During the forced landing, the forward canard was damaged.

Pilot Information

Certificate:	Private	Age:	43, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	08/10/2000
Occupational Pilot:		Last Flight Review or Equivalent:	12/13/2000
Flight Time:	255 hours (Total, all aircraft), 18 hours (Total, this make and model), 165 hours (Pilot In Command, all aircraft), 18 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Arthur	Registration:	N29KK
Model/Series:	Dragonfly	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:	Experimental	Serial Number:	300
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	01/01/1901, Annual	Certified Max Gross Wt.:	1112 lbs
Time Since Last Inspection:	2 Hours	Engines:	1 Reciprocating
Airframe Total Time:	1587 Hours	Engine Manufacturer:	Continental
ELT:	Not installed	Engine Model/Series:	0200
Registered Owner:	Gene Arthur	Rated Power:	100 hp
Operator:	Allen L. Petterson	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	TUS	Distance from Accident Site:	
Observation Time:	1855 MST	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.27 inches Hg	Temperature/Dew Point:	11 °C / -4 °C
Precipitation and Obscuration:			
Departure Point:	Marana, AZ (E14)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1910 MST	Type of Airspace:	Class G

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
Total Injuries:	1 Minor	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	ROBERT R CRISPIN
Additional Participating Persons:	Jack G Major; SDL FSDO, FAA; Scottsdale, AZ
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/ .