

*The Standard*

# **AIRCRAFT LOG**

**ASA-SA-1**



# Aircraft Record General Information

Manufacturer PAPA 51 LTD Co Model THUNDER MUSTANG

Serial AITM016 Registration Number N/251GA

Date of Manufacture 3-26-2007

## Engine(s) currently installed:

Manufacturer FALCONER Model V-12 Serial 12033

Manufacturer \_\_\_\_\_ Model \_\_\_\_\_ Serial \_\_\_\_\_

## Propeller(s) currently installed:

Manufacturer MT Model MTV-16-1-E-C/C240-35

HUB Model \_\_\_\_\_ Serial 49159 Serial \_\_\_\_\_

Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

## Registered Owner Record

Name RON DeBRACK Address PO Box 375  
City HIBBING State MN From 3-26-2007 To 10-11-2010

Name \_\_\_\_\_ Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Name \_\_\_\_\_ Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Name \_\_\_\_\_ Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

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City \_\_\_\_\_ State \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Name \_\_\_\_\_ Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_



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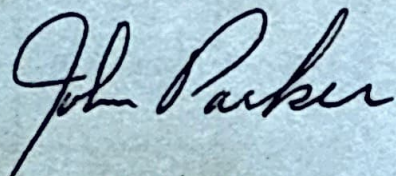
YEAR: 2007 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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**American Air Racing**  
**Reno, NV**

4/3/2007

This Aircraft has a Falconer V-12 engine, serial number 12033, with an MT propeller, model MTV-16-1-E-C/C240-35 sn 99159 installed.

I have inspected this aircraft in accordance with the AAR Thunder Mustang inspection check list and found it to be in a condition for safe operation.



John G. Parker  
567487779APIA



[illegible]



YEAR:

RECORDING  
TACH  
TIME

TODAY'S  
FLIGHT

TOTAL  
TIME IN  
SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate



**American Air Racing, Ltd.**

**15 Alpha Ave.**

**Reno, NV 89506-1209**

**775-677-4860**

[www.americanairracing.com](http://www.americanairracing.com)

**Date 6/5/2011**

**TTIS 0**

**N# N251GA**

I certify that this aircraft has been inspected in accordance with the scope and detail of Appendix D to part 43, and was found to be in a condition for safe operation.

*John B Parker*

**567487779APIA**



YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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## American Air Racing, Ltd.

5805 Alpha Ave.

Reno, NV 89506-1209

775-677-4860

[www.americanairracing.com](http://www.americanairracing.com)

Date: 6/29/2011

TTIS: 40.2 Hrs.

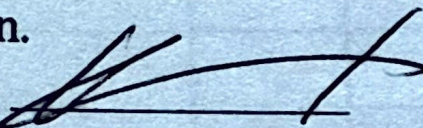
"I certify that the prescribed flight test hours have been completed and the aircraft is controllable throughout its normal range of speeds and throughout all maneuvers to be executed, has no hazardous operating characteristics or design features, and is safe for operation.

The following aircraft operating data has been demonstrated during the flight testing:

Speeds: V<sub>so</sub> \_\_75, V<sub>x</sub> \_\_105, and V<sub>y</sub> \_\_155, and the weight 3022 Lbs\_ and CG at 95.8 in.

Name

Lic. #

 Kevin Eldredge

261868



YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Facility. (See back pages for other specific entries.)



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Date: 6/29/2011

TTIS: 40.2 Hrs.

"I certify that the following aerobatic maneuvers have been test flown and the aircraft is controllable throughout the maneuver's normal range of speeds and is safe for operation. The flight tested maneuvers are: loops and rolls to the left and right.

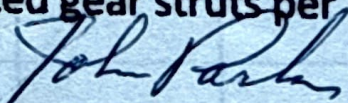
Name

Lic. #

2618658

Kevin Eldredge



YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				American Air Racing, Ltd. Reno, NV 89506-1209 775-677-4860
				Date 8/14/2011
				TTIS 60 +/-
				Registration #N251GA
				Changed oil and filters. Filled with 5 Gal. of RotellaT.
				Checked and cleaned finger strainers. Replaced the fuel
				filter. Made new fuel vent tubes. Serviced the brake
				reservoir. Downloaded ECU data and reprogrammed baro
				sensors to 100%. Remounted baro sensors. Replaced fuel
				filter. Serviced gear struts per TBG procedures.
				
				John Parker
				567487779 APIA



YEAR:	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician
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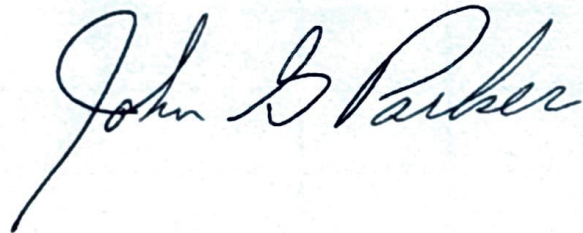
Date: 6/11/2012

Registration # N251GA

TTIS: 67.1 +/-

Repair work on N251GA-- Problem: hydraulic leaks

Inspected the hydraulic system and found several loose B nuts and secured them. One hydraulic hard line chafed through just enough to allow just a very little leakage. Make new hard line and secured with in spacers so that it cannot chafe. Found a very large leak in one of the flex lines feeding the tail wheel retract cylinder. Replaced line with new 302004 hose and fittings. Serviced the hydraulic reservoir and leak checked. Cleaned out the tail wheel cylinder bay as best we could. Replaced cowl and inspection panels and returned it to service.



John Parker

567487779 APLA



YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair
				<p>Date 9/05/2012</p> <p>TTIS 70.0</p> <p>N# N251GA</p> <p>I certify that this aircraft has been inspected in accordance with the scope and detail of Appendix D to part 43, and was found to be in a condition for safe operation. Details of this inspection are on file on WO 120905</p> <p><i>John Paul</i></p> <p>567487779APIA</p> <p>ELT BATTERY REPLACEMENT DATE 9/2017</p>



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YEAR:	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
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**American Air Racing, Ltd.**

**15 Alpha Ave.**

**Reno, NV 89506-1209**

**775-677-4860**

[www.americanairracing.com](http://www.americanairracing.com)

**Date 6/2/2014**

**TTIS 88.0**

**N# N251GA**

I certify that this aircraft has been inspected in accordance with the scope and detail of Appendix D to part 43, and the AAR inspection check list for Thunder Mustangs and was found to be in a condition for safe operation. Details of this inspection are on file on WO **140427**

*John B. Parker*

**567487779APIA**











YEAR: 2014 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7/24				REPLACED 2 ON 6.50XB 8 PLY AIR STRIKE TIRES 2 ON 6.50XB BURL INNOV TIRES John Park 562487779 AP47

**N251GA**

**September 4, 2014**

**Tach: 120.6**

**Work Performed:** Secured flap actuator ball joint and checked flap travel.

Rian Keller AP2771007 IA

Northwest Aircraft Maintenance (503) 648-3670





<b>YEAR:</b> 7	<b>RECORDING TACH TIME</b>	<b>TODAY'S FLIGHT</b>	<b>TOTAL TIME IN SERVICE</b>	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
<b>DATE</b>				



**ABSOLUTE AERO**

MAINTENANCE

22005 Skywest Drive, Hayward, CA 94541 · 510 782-6591

**AIRFRAME ENTRY**

WORK ORDER: 502 AIRCRAFT: N251GA TACH: 123.4

MODEL: Thunder Mustang S/N: AITM016

DATE: 09/10/2014


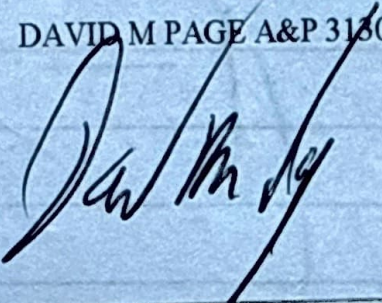
Replaced the following parts with new: tail wheel tire (P/N: Aero Classic 10-350-4 6PL) and tube (P/N: Leak-Guard 10/350-4). Serviced all tire pressures. Leak check good. -END

This airframe is approved for return to service, for only the work performed.

Christer Hagghult A&P 2897856

*Christer Hagghult*




YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				 <b>PAPA 51 LLC THUNDER MUSTANG N251GA</b> S/N AITM016 3-6-2015 INV# 2015137, 2015134  FABRICATED AND INSTALLED BAGGAGE AREA FLOOR MAT / CARPET, COVERED AFT AREA BAGGAGE TUNNEL AREA, COVERED AFT BULKHEAD, COVERED SIDE PANELS AND BAGGAGE DOOR, COVERED EXPOSED SEAT FRAMES, UPHOLSTERED FORWARD AND AFT SEATS. SEE FAR 25.853 (a) BURN CERTIFICATION INVOICE 2351 FROM ACI FLAME TEST DATED 10/5/06. -----END-----  DAVID M PAGE A&P 3130153 



YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

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N251GA Thunder Mustang WO# 30156 Tach: *156.3*

Swapped com antenna leads on GNS 430 and GNC 250XL. Antenna at vertical stabilizer is now on com #2 (GNC 250XL) and antenna under wing is on com #1 (GNS 430) input due to evaluation of antenna systems. Removed RC Allen RCA26AK-2 S/N 16D0098G attitude indicator. Disconnected from static system from VSI and capped static system tee at VSI. Removed tee between encoder and Stec autopilot altitude sensor, replaced with union tee, 90 degree fitting at encoder, and rubber hose to altitude sensor. Found loose fittings to all instruments and tees behind panel; found 1 cracked "B" nut at altimeter, replaced. Found loose fittings at static ports, installed thread sealant tape. Aligned altitude encoding to match altimeter. Performed testing of aircraft altitude reporting, static system, and transponder to 20,000 ft per FAR's 43 appendix E par a and c, appendix F. Aircraft complies with FAR 91.413.

Signed

Date May 4, 2015

The Avionics Specialists, Inc.

FAA-Approved Repair Station No.S3DR062N

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American Air Racing, Ltd.

5805 Alpha Ave.

Reno, NV 89506-1209

775-677-4860

[www.americanairracing.com](http://www.americanairracing.com)

repair

N251GA

SN: AITM016

Date 8/01/2017

TTIS: 228.43 per 51 AERO flight log

I have inspected this Thunder Mustang for a Conditional Inspection in accordance with the AAR Thunder Mustang Conditional Inspection Checklist and the full scope and intent of CFR 43 Appendix D. Modifications made during this inspection were the addition of a Lt. and Rt. fresh air ventilation system, a secondary alternator, MVP-50 engine monitoring system, EE designed oil tank, MoTeC M600 ECUs', EE designed ECU wiring harness and a cross tie relay between the primary and secondary electrical systems. All work and repairs are on file in the 170801 Conditional Inspection check list for N251GA. I certify that this aircraft is in a condition safe for flight.

John G. Parker

1390106APIA





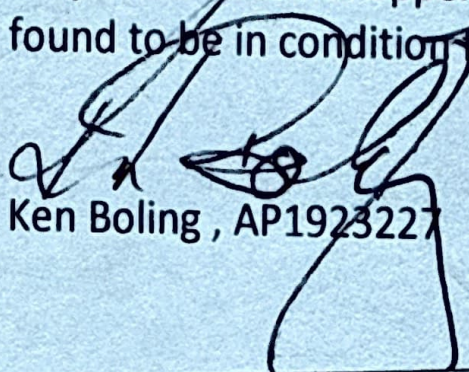


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YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				Date: 5-2-2020 TT: N# 2516A I certify that this <u>A/C</u> has been inspected in accordance with an annual condition inspection and scope and detail of appendix D, part 43, and was found to be in condition for safe operation this date.  Ken Boling , AP1923227



[illegible]





REG: N251GA SN: 172S8372 TACH: 1668.0 DATE: 04/29/2020

**Removed:** GMA240 Audio Panel PN: 011-00401-10 SN: 96289383; GNS430W PN: 011-01060-45 SN: 96307821; GNC250XL PN: 011-00295-00 SN: 83104222; Turn Coordinator PN: 22-0-14 SN: 1111B; HDACF PN: 01-0770028-05 SN: 55544; MVR50P PN: N/A SN: 184295; DG PN: N/A SN: 36F0130G; Altimeter PN: 10035-011076 SN: 162014; ELT PN: 20C86-48FE SN: 069727; GS Ant Coupler PN: N/A SN: AV-570; Verticular Ind PN: RCS-60-16 SN: 9950; Gyro PN: RCA26AK-2 SN: 12K0532G; GI-106A PN: 013-00049-01 SN: A20177; ASI PN: 20040-0185 SN: 10874-7; Indicator PN: BJ10-2 SN: 05017; Alt Sensor PN: P550-5017 SN: 12694A; Encoder PN: SSD120-XXA SN: A44503; Waterpress Ind PN: 9-421-030 SN: A1331; Compass PN: N/A SN: C2300L4; GTX330 PN: 011-00259-10 SN: 83501199;

**Installed:** GDU460 Display PN: 010-01057-00 SN: 350006439; GSU25D ADAHRS PN: 011-02951-51 SN: 5Q3001257; GAP26 Pitot tube PN: 010-01074-00 SN: 34F002148; GSA28 Roll servo PN: 010-01068-00 SN: 3PG011475; GSA28 Pitch servo PN: 010-01068-00 SN: N/A; GMC507 Controller PN: 011-04548-00 SN: 5H1004066; GTP59 OAT Probe PN: 011-00978-00 SN: 4794282;

GMU22 Mag PN: 011-05269-00 SN: 378003840; GEA24 Engine Monitor PN: 011-02848-00 SN: 2J2005990; GEA24 Engine Monitor PN: 011-02848-00 SN: 2J2006032; GAD 27 PN 011-03876-00 SN: 4A8001978; GPA20A GPS Receiver PN: 011-03913-00 SN: 40K001421; GMA245R Audio Panel PN: 011-03784-00 SN: 44V002396; GTR20 Comm PN: 011-03007-10 SN: 5JE000882; GTR20 Comm PN: 011-03007-10 SN: 5JE000875; Artex ELT 345 PN: A3-06-2880 SN: 317-05290; ELT Antenna PN: A3-06-2892-01 SN: 385309-004; ELT Switch PN: A3-06-2759 SN: 385508-005- ELT Sonalet PN: 452-6505 SN: 385357-092; CI-122 Com Ant PN: CI-122 SN: 615930; CI-122 Com Ant PN: CI-122 SN: 618136; NAV/Strobe Green PN: 01-0790701-01 SN: 00782; NAV/Strobe Green PN: 01-0790701-02 SN: 470083; Tail NAV/Strobe PN: 01-0771774V01 SN: 02989; G3X Battery PN: N/A SN: 202-08065; TA-202 USB Charger PN: 6430202-5 SN: D19-12569

Wt & Balance and Equipment List, ICA and Pilots Guide. Installed, configured, and performed a full ground and flight operation check IAW FAR 91.407.

(W.O. # 16009)



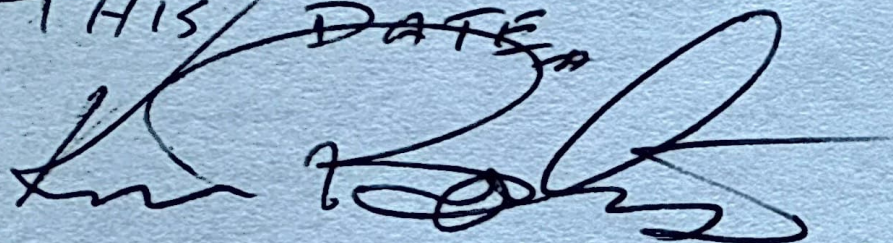
YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Entries must be endorsed with Name, Rating and Certification Facility. (See back pages for other specific entries.)
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4-19-21

N#: 251GA

TT: 80.8

I CERTIFY THAT THIS AIRCRAFT HAS  
BEEN INSPECTED IN ACCORDANCE WITH  
THE SCOPE AND DETAIL OF APPENDIX  
PART 43 AND WAS DETERMINED TO  
BE IN CONDITION FOR SAFE OPERATION,  
THIS ~~DATE~~



AP 1923227



[illegible]





FAA CRS NA3R703L  
Reno-Stead Airport  
4825 Texas Avenue  
Reno NV 89506

PH: (775) 972-5540

## Tests, Repairs and Alterations

Testing and Certificate Number of Technician  
(See back page for other applicable entries.)

Date: 4/04/2023; Aircraft: N251GA; Type: THUND MUSTANG; S/N: AITM016  
Transponder has been tested to comply with Appendix F of Part 43 IAW FAR 91.413.  
Pertinent details of work accomplished on file at this Agency

Signed:  Inspector: 

Work Order #23506  
for AVIATION CLASSICS Ltd.

FAA CRS: NA3R703L

DD/9

N251GA TT 408.6 Eng: 179.8 5/10/2024

During inspection found rudder cables were worn and aileron trim servo was loose removed and replaced rudder cables and aileron trim servo. I certify that this aircraft has been inspected IAW the Scope and detail of Part 43 Appendix D, and was determined to be in a condition for safe operation this date

Vadim Khrupin, AP 3529875





YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Test Entries must be endorsed with Name, Facility. (See back pages for other spec
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Date 4/5/2025 N251GA Eng: 186.8 TT:415.6

I certify that this Aircraft has been inspected IAW the scope and detail of Part 43 Appendix D, and was determined to be in condition for safe for operation this date.

Vadim Khrupin, AP3529875




FAA CRS NA3R703L  
Reno-Stead Airport  
4825 Texas Avenue  
Reno NV 89506

PH: (775) 972-5540

Date: 4/10/2025; Aircraft: N251GA; Type: THUND MUSTANG; S/N: AITM016  
Transponder has been tested to comply with Appendix F of Part 43 IAW FAR 91.413.  
Pertinent details of work accomplished on file at this Agency.

Signed:  Inspector:  
Work Order #24542  
for AVIATION CLASSICS Ltd. FAA CRS: NA3R703L



DD/9

TOTAL TIME IN SERVICE	Des Entr Fac
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