

N316DF

LOG 2



The Standard

AIRCRAFT LOG

ASA-SA-2

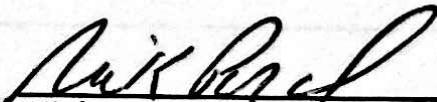
YEAR 20 _____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)

Lowe Aviation Company

Macon, Georgia

<u>Aircraft Registration</u>	N316DF	<u>Date</u>	5/10/2012
<u>Model</u>	58	<u>Work Order</u>	12599
<u>Serial Number</u>	TH-1817	<u>Hobbs</u>	2919
		<u>AFTT</u>	2919

Cleaned and repacked wheel bearings. Greased gear. Performed retract. Serviced brakes. Cleaned fuel screens. Lubricated all flight controls. Serviced aircraft battery. Complied with FAR 91.207D, battery expires 03/2013. Replaced left nav bulb. Replaced left and right brake disc. Replaced nose tire. Repaired left outboard flap bumper bracket. Complied with SB 55-4089 by inspection. No defects. Replaced air conditioner compressor, low pressure switch, receiver dryer and belt. Serviced with freon. This aircraft has been inspected in accordance with an annual inspection and found to be airworthy. Details are on file under Lowe Aviation Co. work order # 12599.



Nick Porcel

FAA Repair Station # ETER699D

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT
20		
DATE		

Lowe Aviation Co. - Macon, GA
FAA REPAIR STATION ETER699D

N 316DF

Altimeter P/N 066-3062-08 S/N 3806

The Altimeter and Static System test required by FAR 91.411 has been performed on this date 05/11/2012. Altimeter has been tested in compliance with FAR 43 Appendix "E" to 22,000 ft. on this date 05/11/2012.

The aircraft and/or component identified above was repaired and/or inspected in accordance with current FAA regulations and found to be airworthy for return to service with respect to the work performed. Details are on file under Lowe Aviation Co. work order no. 36992

Joank Djo

Signature of Authorized Person

Lowe Aviation Co. Macon, GA
FAA CRS ETER699D

N- 316DF Date- 05/11/2012

I certify that the Transponder listed below has been tested and found to comply with FAR 91.413.

Model - KT-70 S/N- 12652

The aircraft and/or component listed above was repaired and/or inspected in accordance with current FAA regulations and found to be airworthy for return to service with respect to the work performed. Details are on file under Lowe Aviation Co. work order # 36992

Joank Djo

Authorized Signature

Tests, Repairs and Alteration
, Rating and Certificate Number of
Check pages for other specific entries.)

Lowe Aviation Co. - Macon, GA
FAA REPAIR STATION ETER699D

N 316DF

Altimeter P/N 5934-3 S/N 4K263

The Altimeter and Static System test required by FAR 91.411 has been performed on this date 05/11/2012. Altimeter has been tested in compliance with FAR 43 Appendix "E" to 22,000 ft. on this date 05/11/2012.

The aircraft and/or component identified above was repaired and/or inspected in accordance with current FAA regulations and found to be airworthy for return to service with respect to the work performed. Details are on file under Lowe Aviation Co. work order no. 36992

Joank Djo

Signature of Authorized Person

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 Number of Technician or Repair Facility. (See back pages for other specific entries.)
20 DATE				

Lowe Aviation Company

Macon, Georgia

Aircraft Registration

N316DF

Date

9/2/2014

Model

58

Work Order

13638

Serial Number

TH-1817

Tach

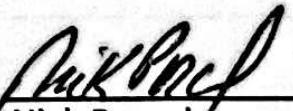
3005

AFTT

3005

Cleaned and repacked wheel bearings, Greased gear, Performed retract test. Replaced left outboard fuel drain valve. Replaced left propeller brush block assembly. Replaced 1ea instrument panel shock mount. Replaced aileron trim bolt. Cleaned air compressor clutch and serviced system. Replaced right strut seals. Replaced left engine forward baffle seals. Replaced left landing light breaker switch. Installed serviceable ELT 110-4 S/N 361391-072. Replaced ELT battery, expires June 2016. Complied with FAR 91.207D. Rigged flaps in accordance with maintenance manual. Cleaned battery box. Complied with AD 2013-16-01 by inspection, no defects. Complied with AD 2004-21-05 PDT and inspection.

This aircraft has been inspected in accordance with an annual inspection and found to be airworthy. Details are on file under Lowe Aviation Co. work order # 13638.



Nick Porcel

FAA Repair Station # ETER699D

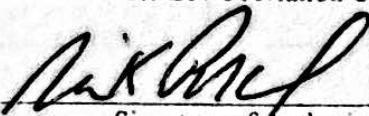
Lowe Aviation Co. – Macon, GA
FAA CRS ETER699D

N 316DF

Altimeter P/N 5934-3 S/N 4K263

The Altimeter and Static System test required by FAR 91.411 has been performed on this date 09/02/14. Altimeter has been tested in compliance with FAR 43 Appendix "E" to 20,000 ft. on this date 09/02/14.

The aircraft and/or component identified above was repaired and/or inspected in accordance with current FAA regulations and found to be airworthy for return to service with respect to the work performed. Details are on file under Lowe Aviation Co. work order no. 13638.



Signature of Authorized Person.

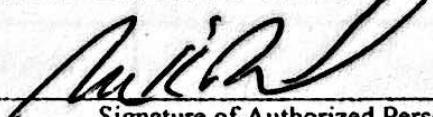
Lowe Aviation Co. – Macon, GA
FAA CRS ETER699D

N 316DF

Altimeter P/N 0166-30102-00 S/N 3806

The Altimeter and Static System test required by FAR 91.411 has been performed on this date 09/02/14. Altimeter has been tested in compliance with FAR 43 Appendix "E" to 20,000 ft. on this date 09/02/14.

The aircraft and/or component identified above was repaired and/or inspected in accordance with current FAA regulations and found to be airworthy for return to service with respect to the work performed. Details are on file under Lowe Aviation Co. work order no. 13638.



Signature of Authorized Person.

Lowe Aviation Co. Macon, GA

FAA CRS ETER699D

N- 316DF

Date- 09/01/2014

I certify that the Transponder listed below has been tested and found to comply with FAR 91.413.

Model - KT-70

S/N- 12652

The aircraft and/or component listed above was repaired and/or inspected in accordance with current FAA regulations and found to be airworthy for return to service with respect to the work performed. Details are on file under Lowe Aviation Co. work order #

13638



Authorized Signature

YEAR 20 _____	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)

Southern Avionics & Communications



2495-A Michigan Ave
Mobile, AL 36615
FAA RS# HW4R427M

Date: 2/03/2015; Aircraft: N316DF; Type: BARON 58; S/N: TH-1817; Total Time: 1,000.00 hrs
Shop Order #: 97821

Removed radar indicator, KX 165 Nav/Com, KLN90B GPS and antenna. Provided and installed Garmin GTN 750 WAAS GPS/Nav/Com P/N 011-02282-00, S/N 1ZA014490 and GA35 WAAS GPS Antenna P/N 013-00235-00, S/N 112140. The GTN 750 is interfaced to the KCS 55A system, Shadin Digidata, Argus 5000, WX1000E, KMA 24 audio panel and radar. Wiring and checkout were completed using Garmin Installation Manual p/n 190-01007-A3, Revision 8, dated November 2014. FAA Form 337 filed and Weight & Balance/Equipment list has been amended.

Technician: D. DeVilbiss

Inspector:

Brookfield

YEAR 20 _____ 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.)

Southern Avionics & Communications



2495-A Michigan Ave
Mobile, AL 36615
FAA RS# HW4R427M

Date: 2/03/2015; Aircraft: N316DF; Type: BARON 58; S/N: TH-1817; Total Time:
Shop Order #: 97822

Provided and installed Radar unlock feature for the GTN 750 to display on board weather radar and configured GTN 750 to display radar information. Checkout was completed using Garmin Installation Manual p/n 190-01007-A3, Revision 8, dated November 2018.

Technician: D. DeVilbiss

Inspector:

Jh o jh ehd

YEAR 20 _____	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)

Southern Avionics & Communications

2495-A Michigan Ave
Mobile, AL 36615
FAA RS# HW4R427M

Date: 2/03/2015; Aircraft: N316DF; Type: BARON 58; S/N: TH-1817; Total Time: 3083.70
Shop Order #: 97864

Performed radar interface stabilization calibration per MM# 006-00643-0004 Rev. 4
10-1995. Ramp checked and verified proper operation. / / /

Technician JH

Inspector

on
N. B. J.

YEAR 20 _____	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.)

Southern Avionics & Communications

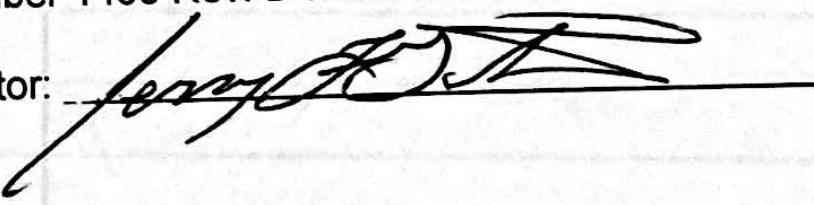


2495-A Michigan Ave
Mobile, AL 36615
FAA RS# HW4R427M

Date: 3/10/2015; Aircraft: N316DF; Type: BARON 58; S/N: TH-1817; Total Time:
Shop Order #: 98012

Updated the GTN-750 s/n: 1ZA014490 to the latest software version in accordance with
Garmin's Service Bulletin number 1466 Rev. B dated Jan 14, 2015.

Technician: C.B.F.

Inspector: 

YEAR 20 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.)
21 Dec 2015	14m 3227.2	Replaced R# main tire 4 1/2 x 8 8PLY Michelin Air Cl Stalling ADP495605041		
2 Jan 2016	14m 3242.4	R#R'L HSI PN 066-3046-07 SN 85227 for repair by Port Street under 4/0# 101526 Cl Stalling ADP495605041		
12 APR 2016	14m 5263.0	Replace L#M tire 4 1/2 x 8 8PLY Michelin Air Cl Stalling ADP495605041		
5 Sept 2016	14m 3302.5	R#R'L K#256 SN 18073 60-011 by Porter Straight 4/0# 102074. Replaced Sunring checkers in Pneumatic Manifold PN 50-304473-47. Cl Stalling ADP495605041		
26 Oct 2016	14m 3302.5	Replaced brake bearings. Replaced bottom beacon lamps. Replaced flap up stop bumpers & legged legs. Lubed gear & uplock rollers. 14W AD 20070808 C/w Hater AD 2004-21-05 by P.D.T. to Hater H-66 8501. ECT Inspected 14W 91-2072 satisfactory. I certify this aircraft has been Inspected 14W by Annual Inspection & determined to be in Airworthy condition. Cl Stalling ADP495605041		
7 Mar 2017	14m 3400.5	Replaced Lt. fuel boost pump 4404-00-7NU SN 8382, Supplied by Aerovators under 4/0# M160822 & Ops check OK Cl Stalling ADP495605041		
5 July 2017	14m 3419.9	4W SB 27-4136 Control Column Handle Replaced. Cl Stalling ADP495605041		
Oct 2017	14m 3438.5	Replaced Weight Scales 4 1/2 x 8 8PLY Michelin tire & tubes. Cleaned & painted wheels - 4W AD 20070808 (uplock roller) 4W AD 2004-21-05 by P.D.T. replace heater spark plug. I certify this aircraft has been Inspected 14W by Annual Inspection & determined to be in Airworthy Condition. Cl Stalling ADP495605041		



Reg. No.: N316DF

Model: 58

W. O. No.: 16-0124

Removed KT 70 Transponder P/N 066-01141-0101 S/N 12652. Installed Garmin GTX 345 ADS-B Transponder P/N 011-03302-00 S/N 3EG003229 I A W Garmin AML STC SA01714WI Installation Manual N0. 190-00734-10 Rev. 6. FAA Form 337 was completed and submitted. Weight and balance change was negligible.

GTN 750 software was upgraded to Ver 6.21 I A W Garmin TSO Service Bulletin no. 1655 Rev. A and STC Service Bulletin no. 1656 Rev. A. Performed Altimeter Check, Encoder Correlation check, and static system integrity check I A W 14CFR Part 43 appendix E to comply with 14CFR 91.411. Performed Transponder test I A W 14CFR Part 43 appendix F to comply with 14CFR 91.413. No defects noted. Altimeter P/N 066-3062-00 S/N 3806, Stby Altimeter P/N 5934-3 S/N 4K263, GTX 345 Transponder P/N 011-03302-00 S/N 3EG003229.

The aircraft or appliance (s) identified above was maintained and inspected in accordance with current F.A.A. Regulations and was found to be airworthy for return to service with respect to the work performed. Pertinent details of the work are on file at this agency under the above referenced work order number.

Date: 10/26/2016

Signature

Holder Aviation, Inc.
7300 Old Acton Road
Moody, AL 35004
CRS# 9HLR596B

Tach/Hobbs:
Serial No.: TH-1817

Inspections, Tests, Repairs and Alterations
Performed with Name, Rating and Certificate Number of Facility. (See back pages for other specific entries.)

ACR ELECTRONICS, Inc.
Fort Lauderdale, FL 33312 CAGE Code: 18560
ARTEX PRODUCTS
BATTERY PACK: ELT 110-4
PART NO: 452-0130 REV. N
S.N.:375737-033
EXP. DATE: OCT/2020
ENV CATC1A/D0183/X00000BBBBBB **TSO C91a**

ACR ELECTRONICS, Inc.
Artex Products - CAGE Code 18560
Fort Lauderdale, FL 33312
N316DF
LOG BOOK ENTRY
E.L.T. BATTERY
REPLACEMENT DATE **Oct 2020**

Date	Total Time In Service	Recording Meter Time
10-24-2018	3575.3	3575.3

Description of Inspections, Tests, Repairs and Alterations
 Entries will be numbered with Month, Day, Year, and
 Technician or Repair Facility (See back)



RAM Aircraft, Limited Partnership • Waco Regional Airport
Beech Baron 58 TH-1817 N316DF

On above referenced aircraft, overhauled and reinstalled existing engines L-686478 and R-686477. Cleaned, inspected, resealed piston dome and reinstalled left propeller s/n 850021. Overhauled and reinstalled right propeller s/n 970417. Installed overhauled propeller unfeathering accumulators, left s/n 16384 and right s/n 16383. Installed red silicone impregnated fiberglass baffle material on each engine. FAA-PMA replacement baffles. Installed overhauled right oil pressure/temperature gauge p/n 102-3880014-3, s/n 903. Installed new left oil pressure transducer p/n 102-389017-1, s/n 024599. Installed new Aeroquip integral firesleeved fuel and oil hoses meeting TSO-C53A Type D and TSO-C75 Type III on each engine. Installed new Hartzell ALV 9610 alternators. See new empty weight and balance in POH. Installed four new Knisley exhaust risers on left and right engines. C/W AD84-26-02 per replacement of air filters. RAM Aircraft recommends air filters to be replaced every 300 hours or annual with mandatory log entry required. New empty weight and balance computed. Aircraft is approved for return to service for the work performed. Pertinent details on file under Project No.8880.

Robert Franklin

RAM Aircraft, Limited Partnership, P.O. Box 5219, Waco, Texas 76708 CRS VA1R551K