

ORLANDO AIRCRAFT SERVICES 601 HUMPHRIES AVE. ORLANDO EXECUTIVE AIRPORT ORLANDO, FL 32803  
LOG ID# 13082 31-January-2025 WO# 123050-0 AC TT 2359.8  
N850CA S/N 552 SOCATA TBM-700

Pg 1

\*\*\* ITEM # 1 \*\*\*

DISCREPANCY: ROLL CLUTCH TEST

MODEL: GSM-85 PART#: 011-00894-08 SERIAL#: 68706307

ACTION: PERFORMED AUTOPILOT SERVO ACTUATOR SLIP CLUTCH TORQUE TEST IAW TBM-700 MM AND GSA 80/81, GSM 85(A) INSTALLATION MANUAL.

TEST SPECIFICATION: 50 +/- 5 IN LB

OBSERVED VALUE: 51/54 IN LB (CCW/CW)

\*\*\* ITEM # 2 \*\*\*

DISCREPANCY: PITCH CLUTCH TEST

MODEL: GSM-85 PART#: 011-00894-08 SERIAL#: 68706305

ACTION: PERFORMED AUTOPILOT SERVO ACTUATOR SLIP CLUTCH TORQUE TEST IAW TBM-700 MM AND GSA 80/81, GSM 85(A) INSTALLATION MANUAL.

TEST SPECIFICATION: 50 +/- 5 IN LB

OBSERVED VALUE: 49/49 IN LB (CCW/CW)

\*\*\* ITEM # 3 \*\*\*

DISCREPANCY: YAW CLUTCH TEST

MODEL: GSM-85 PART#: 011-00894-08 SERIAL#: 687069308

ACTION: PERFORMED AUTOPILOT SERVO ACTUATOR SLIP CLUTCH TORQUE TEST IAW TBM-700 MM AND GSA 80/81, GSM 85(A) INSTALLATION MANUAL.

TEST SPECIFICATION: 60 +/- 6 IN LB

OBSERVED VALUE: 59/59 IN LB (CCW/CW)

\*\*\* ITEM # 4 \*\*\*

DISCREPANCY: TRIM CLUTCH TEST

MODEL: GSM-85 PART#: 011-00894-14 SERIAL#: 88205306

ACTION: PERFORMED AUTOPILOT SERVO ACTUATOR SLIP CLUTCH TORQUE TEST IAW TBM-700 MM AND GSA 80/81, GSM 85(A) INSTALLATION MANUAL.

TEST SPECIFICATION: 50 +/- 5 IN LB

OBSERVED VALUE: 51/51 IN LB (CCW/CW)

TP4R552M ALLEN OVERLANDER

Date

*Allen Overlander* 1/31/25

ORLANDO AIRCRAFT SERVICES 601 HUMPHRIES AVE. ORLANDO EXECUTIVE AIRPORT ORLANDO, FL  
LOG ID# 13143 14-March-2025 WO# 123060-1 HOBBS 2428.5  
N850CA S/N 552 SOCATA TBM-700

Pg 1/1

PERFORMED 12 MONTH LEAK CHECK OF #1 & #2 STATIC AND DYNAMIC ATR SYSTEMS IAW THE TBM-700 MAINTENANCE MANUAL P/N DMNMPXEO REV 22 SECTION 34-11-00-501 PARA B ITEMS 12 - 18.

TP4R552M ALLEN OVERLANDER

Date

*Allen Overlander* 3/14/25

# SERVICE DE L'AÉRONEF - AIRCRAFT RECORD


Détails vérifications et travaux entretien - Révisions partielles ou générales

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<p>wo: RS25-002</p> <p>Exec Aero, LLC - 83 Nilson Way - Orlando, FL 32803 - 407-420-7934 - CRS#: EXAR968D</p>	<p><b>TBM</b> Authorized Service Center</p>	<p>Airframe - page 1 of 3</p>	<p>Cachet - Signature réparateur</p>
<p><b>N850CA</b></p>	<p><b>SOCATA, TBM 700, S/N: 552</b></p>	<p><b>March 17, 2025</b></p>	<p>mise en service</p>
<p>Cycles: 1997</p>	<p>Hobbs: 2359.8</p>	<p>TTSN: 2694.1</p>	<p>of overhauler</p>
<p>1. Complied with 14CFR 91.409(a)(1) by performing an Annual Inspection IAW 14CFR 43.15(c)(1)(3).</p>	<p>2. C/W Daher standard Inspection Program A+ Inspection IAW 05-20-02 and 05-20-05.</p>	<p>3. Completed AD compliance research.</p>	<p>release</p>
<p>4. AD 2025-02-08 (Emergency Procedures Update), Dated 3/19/2025, N/A by aircraft serial number.</p>	<p>5. No further action required.</p>	<p>6. C/W SB 70-118-27-R3 (Inboard Flap Actuator) Para (C) 1Yr/400Hr Clean and lubricate the actuator screw.</p>	
<p>7. C/W 1Yr Spoiler and aileron cable tension and safetying of turnbuckles check IAW 7-10-00.</p>	<p>8. C/W 1Yr Gaseous oxygen system for leaks, condition and attachment IAW 35-00-00.</p>	<p>9. C/W 1Yr Lead-acid check capacity IAW 24-30-04. Capacity check %104.</p>	
<p>10. C/W 1Yr Passenger masks inspection and disinfect IAW 35-21-01.</p>	<p>11. C/W 1Yr B35, B36 and B37 servo -actuators check cable condition and tension IAW 2-11-00.</p>	<p>12. C/W 1Yr B35, B36, and B37 servo actuators slip clutch manual override IAW 2-11-00. Clutch slip test and adjustment performed by Orlando Aircraft Services (CRS TP4R552M) WO#123050.</p>	
<p>13. C/W 1Yr Fire extinguisher weight and pressure check IAW 26-20-01.</p>	<p>14. C/W 1Yr Under floor drain inspection IAW 53-20-00.</p>	<p>15. C/W 1Yr Water separator filter check for condition and attachment IAW 30-10-04. Installed P/N 7423360051 - Water Separator Filter O-Ring (645001RR151). Installed P/N 7423360010 - O-Ring (645001RR215).</p>	
<p>16. C/W 1Yr ELT operational test and record operating time IAW 25-61-00. C/W 14 CFR 91.207(d). ELT battery due: May 2029.</p>	<p>17. C/W 1Yr Rudder cable check tension and safetying of cables IAW 27-20-00.</p>	<p>18. C/W 1Yr Elevator trim tab control cables check tension and safetying of cables IAW 27-30-00.</p>	
<p>19. C/W 1Yr Flap roller lubrication IAW 57-50-00.</p>	<p>20. C/W 1Yr Gaseous Oxygen Cylinder check for tightness, corrosion, distortion, attachment and hydro-static test date IAW 35-00-01. Hydro due 06/2028.</p>	<p>21. C/W 1Yr Electro-mechanical generator filter cleanliness check IAW 32-35-01 Installed P/N 7423060406 - Hydraulic Screen O-Ring (MS28778-6) Rev/Lot: 9999913095.</p>	

# SERVICE DE L'AÉRONEF - AIRCRAFT RECORD

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Dates	Temps de vol depuis la précédente opé- r	Heures depuis	Nombre	Airframe - page 2 of 3
				wo: RS25-002
				Exec Aero, LLC - 83 Nilson Way - Orlando, FL 32803 - 407-420-7934 - CRS#: EXAR968D
				
				22. C/W 1Yr L/H, R/H and Nose landing gear check for condition and leaks (Long Life) IAW 32-00-00.
				23. C/W1Yr L/H, R/H and Nose landing gear lubrication of landing gear axles IAW 32-00-00.
				24. C/W 1Yr L/H and R/H check shock-absorber inflation pressure IAW 32-10-01.
				25. C/W 1Yr Nose landing gear check shock absorber inflation pressure IAW 32-20-01.
				26. C/W 1Yr Chip detectors do an operational test IAW 79-20-02. Installed (2) P/N 7423510012 - Pratt & Whitney Seal (AS3209-115).
				27. C/W 1Yr/200Hr RVSM Static pressure ports check for condition and cleanliness IAW 31-11-00.
				28. C/W 1Yr/200Hr RVSM External surfaces check IAW 53-00-00.
				29. C/W 1Yr/500Hr Mechanical Standby Instrument filter replacement IAW 37-10-06 Installed P/N AAD9-18-1 - Filter Rev/Lot: 1BN8.
				30. C/W 3Yr B35, B36, B37 Servo-Actuator Greasing with Aeroshell 33MS IAW 22-11-00.
				31. C/W 600Hr Fuel unit replace filter element IAW 28-20-01. Installed P/N 6007707270 - Lebozec Filter, Installed P/N M25988-3-141 - O-Ring (M25988-3-141), Installed P/N 7423800088 - O Ring 9200.380.0.
				32. C/W 1000Cy Main landing gear wheels Overhaul IAW 32-40-01. Removed and reinstalled main wheels IAW 32-40-01 after overhaul by Boeing Distribution, Inc. (CRS XVLR346L) WO#2000587694 & 2000587695. Reinstalled P/N 40-434 - Wheel Assembly (OVERHAULED) S/N: 1695, Reinstalled P/N 40-434 - Wheel Assembly (OVERHAULED) S/N: 1694.
				33. C/W 1000Cy Nose landing gear wheel Overhaul IAW 32-40-02. Removed and reinstalled nose wheel IAW 32-40-02 after overhaul by Boeing Distribution, Inc. (CRS XVLR346L) WO#2000587696. Installed (3) P/N 7228736100 - NUT 094-16100, Reinstalled P/N 04-262 - Nose wheel assy (OVERHAULED) S/N: 1745.
				34. Removed and reinstalled L/H wing outboard leading edge assembly IAW 30-10-01 after repair by Avex Aviation LLC (CRS X1ID595Y) WO#3519. Reinstalled P/N T700A3010012000 - L.H outboard leading edge assembly (REPAIRED) S/N: SC667.
				35. Removed and reinstalled R/H wing Inboard leading edge IAW 30-10-01 after repair by Avex Aviation LLC (CRS X1ID595Y) WO#3519. Reinstalled P/N T700A301000101003 - R.H. INBOARD LEADING EDGE ASSY (REPAIRED) S/N: SC227.
				36. Removed and reinstalled R/H wing center leading edge IAW 30-10-01 after repair by Avex Aviation LLC (CRS X1ID595Y) WO#3519. Reinstalled P/N T700A301000101005 - R.H. center leading edge assembly (REPAIRED) S/N: SC673.
				37. Removed and reinstalled R/H wing outboard leading edge IAW 30-10-01 after repair by Avex Aviation LLC (CRS X1ID595Y) WO#3519. Reinstalled P/N T700A301000101007 - R.H. outboard leading edge assembly (REPAIRED) S/N: SC679.

# SERVICE DE L'AÉRONEF - AIRCRAFT RECORD

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Détails vérifications et travaux entretien - Révisions partielles ou générales

Parti

wo: RS25-002



Exec Aero, LLC - 83 Nilson Way - Orlando, FL 32803 - 407-420-7934 - CRS#: EXAR968D

Cachet - Signature réparateur

Airframe - page 3 of 3

nise en service  
of overhauler  
release

38. Replaced vertical stabilizer leading edge IAW 30-10-01. Installed P/N T700A3014003000 - Leading edge assy., Vertical stabilizer (SERVICEABLE).
39. Removed and reinstalled L/H brake assembly IAW 32-40-03 after overhaul by Boeing (XVLR346L) WO#2000587901. Bled brake system IAW 32-40-03.
40. Removed and reinstalled R/H brake assembly IAW 32-40-03 after overhaul by Boeing (XVLR346L) WO#2000587905. Bled brake system IAW 32-40-03. Removed P/N 30-191 - Brake assy. Installed (1 gal) P/N 550043662 - Aeroshell Hydraulic Fluid.
41. Replaced K36 relay IAW 20-20-01. Installed P/N 7733690324 - Relay.
42. Replaced L/H aileron bonding strap IAW 24-70-00. Installed P/N T700A2470031002 - Bonding strap.
43. Replaced R/H aileron bonding strap IAW 24-70-00. Installed P/N T700A2470031002 - Bonding strap.
44. Replaced R/H aileron static wick IAW 23-60-00. Installed P/N 7179110213 - Static wick.
45. Secured L/H and R/H landing gear squat wiring harness using standard practices.
46. Replaced R/H landing gear scissor bonding strap IAW 24-70-00. Installed P/N 6028207283 - Bonding Strip.
47. Cleaned drain valve IAW 28-10-01.
48. Replaced stairway cables IAW 52-60-00 and 52-60-01. Installed P/N T700B526004310000 - cable. Installed P/N T700B526004310100 - cable. Installed P/N T700B526004310200 - cable.
49. Cleaned electrical connectors IAW 20-00-00.
50. Replaced R/H and L/H wing rear position light lamp IAW 33-40-05. Installed (2) P/N 34-0428070-64 - Whelen 28v, 25w.
51. Operational and leak checks required.
52. Post inspection flight performed by Ryan Gucwa IAW 05-12-02.

I certify that this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Exec Aero, LLC under work order: RS25-002.

Nathan Marler for CRS EXAR968D

# SERVICE DE L'AÉRONEF - AIRCRAFT RECORD



Date: 05/05/25

TT: 2785.9

N850CA

PT6A-66D



Cycles: 2069

Hobbs: 2451.6

**Airframe**

E S/N PCE-RV0208

S/N: 552



TBM 850

## Description of inspections, repairs, tests, and alterations

Replaced the right wing aft trailing nav. light bulb with new P/N 34-0428070-64 NSN IAW Daher MM Chapter 33-40-05 Section 1, B, 3. (a-c) 2, B, 2. (a-d). Operational check satisfactory. Performed CT and PT Desalination Wash in accordance with Pratt & Whitney MM P/N 3070902, Rev. 28, 04/07/2025, Chapter 71-00-00, Section 5, 6. A. (1-23), and Daher TBM 850 MM P/N DMNMPXEE0R22 7/2023, Chapter 71-00-00, 1, A, B, (1-4) C (1), D (1-3), Post engine operational and leak checks were performed with satisfactory results. This aircraft has been determined to be in an airworthy condition as to the work performed and approved for return to service. (End).

*Mark Timmons*  
Mark Timmons A&P/IA 3210132