

DATE 19 _____	RECORDING TACH TIME	TODAYS 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.)
01/29/16	662.1			Removed & Reinstalled Panels as needed to perform inspections. Inspected & Lubed Pulleys & Cables. Lubed all flight controls. Removed, tested & reinstalled ELT. Performed Gear Retract & Extension test. Removed & Replaced C/G restriction Housing P/N 195-58021. No leaks noted. CW AD's 50-16-2, 59-06-04, 77-13-22, 86-13-04R3, 95-03-14. I certify that this Airframe was inspected IAW a 100 Hr inspection and was found to be in airworthy condition. M. Wilson 312243 ATP
01-29-2016	Tach 662.1			I certify that aircraft has been inspected in accordance with an annual inspection and was found to be airworthy. James W Bates J.A. # 723182 Exp 3-17

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number of
entries.)

DATE	RECORDING TACH TIME	TODAYS 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.)
06 Oct 17	667.0			Removed & Reinstalled Panels as needed to perform inspections Replaced CLT Batteries and tested. OK. Performed Gear retract and extension test. Inspected and lubed Pulleys and cables. Lubed Flight Controls. C/W AD's through to this date. I certify that this Airframe has been inspected IAW 100 hr inspection and was found to be in airworthy condition M. Wilson 3112643 AIP 06 Oct 2017 N91112 I certify that this airframe has been inspected IAW an annual inspection and was found to be in airworthy condition James W Bates A&P1719582 IA <i>James W Bates</i>

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AD's

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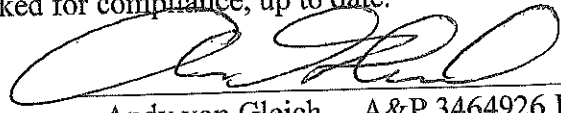
inspection

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Feb. 19, 2019 N91112 Tach: 667.2 T/T: 3238.7

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Annual inspection completed this date; airframe inspected, all flight controls checked for proper operation; aircraft serviced and lubricated per schedule; gear retraction and emergency extension tests performed; ELT tested per FAR 91.207 (d); vacuum regulator filter replaced; aircraft run up, all operational checks satisfactory; I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in air-worthy condition; re-occurring AD's checked for compliance, up to date.



Andy von Gleich A&P 3464926 IA

Transponder Certification

Merlin's Avionics Service Tel: (615) 305-1186
307 Roberta Drive Hendersonville, Tennessee 37075
FAA CRS #Z6MR586Y MAS Form #3

Work Order No. 678 Acft.Reg.No. N91112
Aircraft Type NAVION Txpond Position #1
Txpond P/N# KT76A S/N# _____

Check Box if Mode S ()

I certify the ATC Transponder tests and inspections required by FAR 91.413 were performed this date and found to comply with Part 43, Appendix F. Details of this inspection are on file at this repair station.

Date 5-17-19

Signed Merlin's Avionics

N91112

North American Navion
S/N: NAV-4-15
HOBBS: 673.5



WO#: AV530

DATE: 08/10/21

Removed the Following Components: Radio Systems Technology Audio Panel, King KT-76A Transponder P/N- 066-1062-00 S/N- 0610542, Attitude Gyro P/N- 50-384203 S/N- 56771F, Directional Gyro P/N- 1U262-001-13 S/N- 61634D, Rapco Vac Pump P/N- 215CC S/N- 146796. Installed the Following Components: Dual Garmin Gi275 Kit P/N- 010-02668-00 S/N #1 5M2201615 & S/N #2 5M2103653, GTX345 Kit P/N 010-01216-06 S/N 3EG041799, GNS430W P/N- 011-01060-40 S/N- 97131409 & GMA342 Audio Panel Kit P/N- 010-01319-11. Dual Garmin Gi275 Indicators were installed I/A/W Garmin Installation Manual - GI 275 Part 23 AML STC 190-02246-10 Rev. 10, GTX345 I/A/W Garmin Installation Manual - STC, Part 23 GTX 3XX 190-00734-10 Rev. 15, GMA342 I/A/W Installation Manual, GMA 342/GMA 345 190-01878-02 Rev. 5 and GNS430W I/A/W GNS 400W Series STC Installation Manual 190-00356-02 Rev. M. All work was performed I/A/W their applicable installation manuals, and ops checked and tested good. Please see FAA337 dated 08/10/21 for further details. **The pitot-static system and transponder were tested as required by FAR 91.411 & 91.413 and found to be I/C/W FAR 43 Appendix E**

-----END-----

I certify the aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work order number.

SIGNED:

MAA dba Dean Aircraft Service
2913 Hwy 11 South
Meridian, MS 39307 - (601) 485-7304

FAA Certified Repair Station
96AR974C

ALTIMETER, STATIC, AND TRANSPONDER CERTIFICATE

N91112

Meridian Airport Authority dba Dean Aircraft Service
 FAA CRS96AR974C

Meridian, MS 39307

601-485-7304

Test Alt. x 1k Ft.	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18	
Tol. ± Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120	
Actual ± Ft.	-10	-10	-20	0	-15	-10	0	-5	-10	-10	15	30	25	30	50	
Test Alt. x 1k Ft.	20	22	25	30	35	40	45	50	Case Leak	OK	Hysteresis Tol + 75 Ft.		ALTIMETER MAKE: Kollsman S/N: 205			
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	87	50% Max	50				
Actual ± Ft.	80	125	X	X	X	X	X	X	Temp C	20	40% Max	70				

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (22) THOUSAND FEET.
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

TRANSPONDER MAKE: Garmin MODEL: GTX345 S/N: 3EG041799

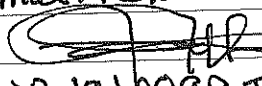

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

Date: 08/20/2021 W.O.: AV530 TACH: 673.5

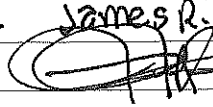
Signed: 

BLIND ENCODER
 MAKE: Narco
 MODEL: AR850
 S/N: 27684

#2 TRANSPONDER
 MAKE: X
 MODEL: X
 S/N: X

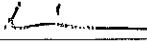
DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7822 1-15-22	675.1			<p>Removed nose gear hydraulic actuator and had tested leg. hydraulic stop. found to be defective. Replaced actuator for nose landing gear with new hydraulic actuator. Adjusted and performed retract tests several times on jacks. Retract was normal. Returned to service.</p> <p> James R. Jeffries A&P 1910892 I.A.</p>
2-10-22	675.3			<p>N9112</p> <p>I certify this aircraft has been inspected in accordance with an annual inspection and was found to be in airworthy condition.</p> <p>James R. Jeffries  A&P 1910892 I.A.</p>

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DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
3-15-22	075.3		3246.8	Removed Concord battery RG-35A due age and installed new battery RG-35A. Returned to service. James R. Jeffries  AIP 1910892IA

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Airframe		page 1 of 1
N91112 TACH: 675.8	NORTH AMERICAN, NAVION, S/N: NAV-4-15	November 02, 2022
MARTIN AVIATION		
<ol style="list-style-type: none">1. Installed new hydraulic landing gear actuators on left and right MLG assemblies2. Rigged landing gear up-lock and control system3. Installed new landing gear restrictor valve4. Installed new hydraulic pressure gauge5. cycled landing gear and ops checked landing gear up-lock, control, and warning system6. Installed new oil pressure warning switch7. Installed J.P.I. EDM 700 monitoring system IAW STC SA2586NM for details see form 337 this date8. Installed fuel flow transducer IAW STC SA00432SE for details see form 337 this date. K-Factor = 29.62		
With respect to the work performed, this airframe is approved for return to service.		
Carl Popowich A&P 3650580 		

N91112
TACH: 676.3

NORTH AMERICAN, NAVION, S/N: NAV-4-15
SINCE NEW (TACH):
3256.8

May 05, 2023

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MARTIN AVIATION

1. Inspected and tested ELT IAW FAR 91.207(d) Battery replacement due MAR 2030
2. Installed new Bracket air filter element p/n BA-4305
3. Installed new air inlet gasket
4. Installed new hydraulic flap actuator p/n 145-58013-5
5. Fabricated and installed new hydraulic hoses to flap actuator
6. Removed hydraulic master control valve, and installed new seals and valve seats
7. Tested hydraulic master control valve, and reinstalled in aircraft
8. Fabricated and installed new hose to hyd. pressure gauge
9. Installed new canopy return spring
10. Installed new nose gear steering link assembly p/n 145-34137
11. C/W AD 52-26-01 (Stabilizer fuselage attachment) by visual inspection -no cracks noted- NEXT DUE 776.3 TACH
12. C/W AD 55-01-01 (fuselage frame sta.294.1) by visual inspection. Interim repair installed, cracks do not extend beyond critical rivet. NEXT DUE 776.3 TACH
13. C/W AD 59-06-04 (hydraulic actuating cylinders) by inspection of actuating cylinders -no defects noted- NEXT DUE MAY 2024
14. C/W AD 62-03-03 (landing gear selector valve handle) by c/w Navion service letter #81 -no defects noted- NEXT DUE MAY 2024
15. C/W AD 64-04-05 (loose rivets wing panel) by visual inspection -no defects noted- NEXT DUE 776.3 TACH
16. C/W AD 68-20-06 (rudder horn) by visual inspection -no defects noted- NEXT DUE MAY 2024
17. Inspected and lubricated using Navion service manual as a guide

I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition

Steve Martin AP/IA 3492959



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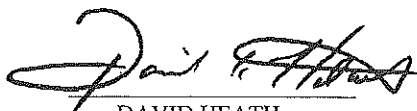
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FEBRUARY 8, 2024 LOG BOOK ENTRY N91112 TT: 678.8 WORK ORDER # 8137

PERFORMED RETRACT TEST IAW NAVION SERVICE MANUAL. HYDRAULIC PRESSURE NORMAL. GEAR ACTUATORS NORMAL RANGE AND NOT BYPASSING. LEFT MAIN GEAR NOT REACHING GEAR LOCK. NOSE GEAR AND RIGHT MAIN ENGAGING LOCKS NORMALLY. INSPECTED BUNGEE, ALL GEAR LINKAGE, TRUNION, AND ACTUATOR MOUNTING FOR CRACKS, SLACK, OR DAMAGE. NONE FOUND. ADJUSTED ACTUATOR GIMBLE LINKAGE TO EXTEND MAIN GEAR TRAVEL. TESTED ON JACKS WITH LEFT MAIN LOCKING NORMALLY. TESTED EMERGENCY GEAR EXTENSION WITH ALL 3 GEARS LOCKING IN DOWNLOCK WITHOUT APPLICATION OF HYDRAULIC PRESSURE AS LAID OUT IN NAVION SERVICE MANUAL. FLIGHT TESTED AIRCRAFT AFTER SERVICE WITH LANDING GEAR FUNCTIONAL IAW NAVION SERVICE MANUAL.

WEIGHT AND BALANCE NEGLIGIBLE



DAVID HEATH
A&P 3504336
