



US Department  
of Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

OMB No. 2120-0020  
Exp: 5/31/2018

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	NATIONALITY AND REGISTRATION MARK: USA N4472K	SERIAL NO: <b>NAV-4-1472</b>
	MAKE: <b>RYAN</b>	MODEL: <b>NAVION</b> SERIES:
2. Owner	Name (As shown on registration certificate) <b>BOREL ALAIN F</b>	Address (As shown on registration certificate) Address <b>692 OLD WINCHESTER RD</b>
		City <b>BOYCE</b> State <b>VIRGINIA</b>
		Zip <b>22620-1902</b> Country <b>USA</b>

**3. For FAA Use Only**

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	<b>RYAN</b>	(As described in Item 1 above)	<b>NAV-4-1472</b>
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

**6. Conformity Statement**

A. Agency's Name and Address		B. Kind of Agency	
NAME: OnWing LLC		<input type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
ADDRESS: 511 Airport Rd		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
CITY: Winchester	STATE: VIRGINIA	<input checked="" type="checkbox"/> Certificated Repair Station	<b>20WR084C</b>
ZIP: 22602	COUNTRY	<input type="checkbox"/> Certificated Maintenance Organization	


D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual  <b>05/29/2024</b>
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**7. Approval for Return to Service**

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is:  Approved  Rejected

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee <input checked="" type="checkbox"/>	Repair Station	Inspection Authorization	Other (Specify)

CERTIFICATE OR DESIGNATION NO: <b>20WR084C</b>	Signature/Date of Authorized Individual  <b>05/29/2024</b>
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NOTICE

*Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.*

**8. Description of Work Accomplished**

*(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

USA N4472K

5/29/2024

Nationality and Registration Mark

Date:

- 1) Installation of the S-TEC 55X Dual Axis Autopilot.
- 2) Description: Installed ST-580 Computer PN: 01192-0-0T SN: 01192-1041-14813, S-Tec Roll Servo PN: 0105R1 SN: 00105-2008-00001CEFGJ, S-Tec Pitch Servo PN: 0107-P4 SN: 00107-2008-00001CDEFGJK, & S-Tec Pressure Transducer PN: 111 SN: 00111-1938-00024AA.
- 3) Control Information: operation of the S-Tec 55X Autopilot and other system is described in the S-Tec FAA Airplane Flight Manual Supplement PN: 680, and the S-Tec 55X Pilot's Operations Handbook.
- 4) Servicing Information: All servicing and Maintenance requirements need to be performed at an Approved S-Tec Dealer Location in reference to the aircraft's custom engineering diagrams provided by S-Tec.
- 5) Maintenance Instructions: Reference Section 5 of the S-Tec 55X Instructions For Continued Airworthiness PN: 86240 Rev C for information on maintenance procedures and time intervals required by the manufacture.
- 6) Troubleshooting Information: Reference Section 6 of the S-Tec 55X STC Instructions For Continued Airworthiness PN: 86240 Rev C, for Troubleshooting information and instructions.
- 7) Removal/Replacement Information: Reference section 7 of the S-Tec 55X STC Instructions For Continued Airworthiness PN: 86240 Rev C, for information & instructions on removing and replacing the S-Tec 55X and its components.
- 8) Diagrams: Reference S-Tec STC installation bulletin# ST-580.
- 9) Special Inspection Requirements: None.
- 10) Application of Special Treatments: None.
- 11) Data: S-Tec 55X STC# SA09019AC-DS-Tec 55X STC Instructions For Continued Airworthiness PN: 86240 Rev C, & S-Tec 55X STC Airplane Flight Manual Supplement PN: 680.
- 12) List of Special Tools: None.
- 13) Commuter Aircraft?: Not Applicable.
- 14) Recommended overhaul Periods: None.
- 15) Approved Airworthiness Limitations: There are no new or additional airworthiness limitations associated with this equipment and/or installation. The Airworthiness Limitations section is FAA-Approved and specifies maintenance required under §§ 43.16 and 91.403 of Title 14 of the Code of Federal Regulations unless an alternative program has been FAA-Approved.
- 16) Maintenance Information ICAs. Revision Instructions: Revisions to this installation shall submit a revised FAA Form 337 to the local FSDO.

Additional Sheets Are Attached