



U.S. Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 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. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Cessna	Model 340A
	Serial No. 304A0436	Nationality and Registration Mark N6239X
2. Owner	Name (As shown on registration certificate) NINERXRAY INC	Address (As shown on registration certificate) TAMPA FLORIDA

3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
REINALDO MARTIN RUSKIN, FLORIDA	<input checked="" type="checkbox"/> U.S. Certified Mechanic <input type="checkbox"/> Foreign Certified Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	A&P

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

Date: 01/30/2014 Signature: REINALDO MARTIN

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED					
BY	FAA Fit. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/>	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection 01/30/2014		Certificate or Designation No. IA		Signature of Authorized Individual	

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.)

N6239X 01/30/2014 MM

REMOVED THE FOLLOWING EQUIPMENT:

KING KX155 P/N: 069-1024-35 WT: 4.25
NORTHSTAR P/N: M3 WT: 3.94

INSTALLED:

GARMIN GNS-530W P/N: 011-01064-00 WT: 8.2 LBS
GARMIN GA35 P/N: 013-00235-00 WT: 0.50 LBS

THIS INSTALLATION OF A GARMIN GNS-530W GPS/NAV/COM INSTALLED AS A FOLLOW ON IN ACCORDANCE TO STC SA01933LA-D DATED JULY 31, 2009.

INSTALLED GARMIN GNS-530W GPS/NAV/COM ACCORDING TO THE CRITERIA SPECIFIED IN INSTALLATION MANUAL GARMIN 500W SERIES INSTALLATION MANUAL P# 190-00357-02 DATED REV G DATED DEC 2008 AND AS FOLLOWS

INSTALLED THE GARMIN GNS-530W GPS/NAV/COM IN THE PILOTS VIEW POSITION PROVIDED BY THE MANUFACTURER, DEPICTED AS #1 NAV/COM, THE GARMIN GNS-530W COM IS CONNECTED TO THE #1 COMM POSITION OF THE EXISTING AUDIO PANEL KING KMA-20, MAIN NAV INDICATOR IS COUPLED TO EXISTING KING KI-525 HSI WHICH WAS PREVIOUSLY INSTALLED ON THE AIRCRAFT, PRESENTLY ALTITUDE INFORMATION IS SUPPLIED TO THE GNS-530W GPS/NAV/COM VIA THE PRE EXISTING REMOTE ALTITUDE ENCODER, INSTALLATION FOR THE GARMIN GNS-530W GPS/NAV/COM AND GA35 ANTENNA WAS DONE IN ACCORDANCE WITH GARMIN GNS-500W SERIES INSTALLATION MANUAL (500W INSTALLATION MANUAL, GARMIN PART NUMBER 190-00357-02 REV G DATED DECEMBER 2008.

POWER WAS PROVIDED VIA A 28V RADIO BUSS THRU A 5.0 AMP FOR GPS AND SEC 5.0 AMP COMM AND 2.0 AMP INDICATOR CIRCUIT BREAKERS AND LABELED AS SUCH.

THESE SYSTEMS MEET THE REQUIREMENT OF TSO-C-129 AS STATED BY GARMIN INTERNATIONAL

THE ELECTRICAL LOAD WAS COMPUTED BY ADDING ALL THE CONSUMPTION OF THE ELECTRICAL EQUIPMENT IN THE AIRCRAFT. ELECTRICAL LOAD DOES NOT EXCEED 80% OF THE AIRCRAFT GENERATOR CAPACITY

THE WEIGHT AND BALANCE WAS COMPUTED AND EQUIPMENT LIST REVISED.

INSTRUCTION FOR CONTINUED AIRWORTHINESS CHECKLIST:

- 1: INTRODUCTION: SEE MANUALS LISTED ABOVE.
- 2: DESCRIPTION: SEE MANUALS LISTED ABOVE.
- 3: CONTROL OPERATION INFORMATION: REFER TO "PILOTS OPERATIONS INSTRUCTIONS" SUPPLIED AND APPROVED FLIGHT MANUAL SUPPLEMENT (RFMS) 190-00357-03 REV B DATED 07/31/2009.
- 4: SERVICE INFORMATION: N/A
- 5: MAINTENANCE INSTRUCTIONS: NO REG MAINTENANCE REQUIRED
- 6: TROUBLE SHOOTING INFORMATION: SEE MANUALS LISTED ABOVE.
- 7: REMOVAL OR REPLACEMENT INFORMATION: SEE MANUALS LISTED ABOVE.
- 8: DIAGRAMS: SEE MANUALS LISTED ABOVE.
- 9: SPECIAL INSTRUCTIONS: N/A
- 10: APPLICATION OF PROTECTIVE TREATMENTS: N/A
- 11: DATA RELATIVE: N/A
- 12: LIST OF SPECIAL TOOLS: N/A
- 13: COMMUTER CATEGORY: N/A
- 14: RECOMMENDED OVERHAUL PERIODS: N/A
- 15: AIRWORTHINESS LIMITATIONS SECTION: N/A
- 16: REVISION: A LETTER WILL BE SUBMITTED WITH A COPY OF THE REVISED FAA FORM 337 AND REVISED ICA.

***** NOTHING FOLLOWS *****

☐ Additional Sheets Are Attached



US Department
of Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
2/28/2011

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	Serial No.	
	N6239X	340A0436	
2. Owner	Make	Model	Series
	CESSNA	340A	
	Name (As shown on registration certificate)	Address (As shown on registration certificate)	
	NINERXRAY INC	Address [REDACTED] City TAMPA State FL Zip [REDACTED] Country USA	

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	_____	(As described in Item 1 above)	_____
<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	MAC AVIONICS INC	U. S. Certificated Mechanic	
Address	[REDACTED]	Foreign Certificated Mechanic	
City	LAKELAND State FL	<input checked="" type="checkbox"/> Certificated Repair Station	
Zip	[REDACTED] Country USA	Certificated Maintenance Organization	
		UM4R575M	

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 ☐

Signature/Date of Authorized Individual

JEFF MC DONALD

04/15/2014

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 Fit. 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.

UM4R575M

Signature/Date of Authorized Individual

JEFF MC DONALD

04/15

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.)

N6239X

04/15/2014

Nationality and Registration Mark

Date

REMOVED KING KX-155 COM/NAV/GS AND KI-209 INDICATOR

INSTALLED GARMIN GNS-430W COM/NAV/WAAS GPS S/N 97139423 IN CENTER INSTRUMENT PANEL AND GI-106A INDICATOR IN PILOT'S PANEL

GARMIN GA-35 WAAS GPS ANTENNA WAS INSTALLED PER DER APPROVAL FAA FORM 8110-3 (SEE ATTACHED FORMS)

FAA APPROVED SUPPLEMENT FLIGHT MANUAL P/N 190-00356-03 REV. B AND SUPPLEMENT TYPE CERTIFICATE # SA01933LA-D WAS ADDED TO PILOT'S OPERATING MANUAL FOR THE GARMIN GNS-430W

A SATISFACTORY GROUND AND FLIGHT TEST WAS ACCOMPLISHED PER AC20-138A. NO INTERFERENCE WAS NOTICED WITH NORMAL OPERATION OF OTHER EQUIPMENT IN THE AIRCRAFT WHEN USING THE GARMIN GNS-430W

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS OF THE GARMIN GNS-430W P/N 190-00356-65 REV. A WAS ADDED TO THE PILOT'S OPERATING HANDBOOK

ALL WORK IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS P/N 190-00356-02 REV. D AND CONFORMS TO THE ACCEPTABLE METHODES, TECHNIQUES AND PRACTICES CONTAINED IN AC43.13-1B CHAPTER 7 SECTIONS 1,2,3,4,5 AND 11, CHAPTER 10, CHAPTER 11 SECTIONS 3 THRU 17 AND 20 AND AC43.13-2B CHAPTERS 1,2 AND 3

ELECTRICAL SYSTEM LOAD WAS MONITORED AND FOUND NOT TO EXCEED MANUFACTURERS SPECIFICATIONS

THIS MODIFICATION MEETS THE REQUIREMENT FAR 23.1309 FOR EQUIPMENT, SYSTEMS AND INSTALLATION; FAR 23.1357 FOR CIRCUIT PROTECTIVE DEVICES; FAR 23.1365 FOR ELECTRICAL CABLES AND EQUIPMENT AND FAR 23.1431 FOR ELECTRONIC EQUIPMENT

SUPPLIED TO OWNER A COPY OF THE GARMIN MANUFACTURERS PILOT'S GUIDE P/N 190-00356-00 REV. H, QUICK REFERENCE P/N 190-00356-01 REV. G AND OPTIONAL DISPLAY P/N 190-00356-30 REV. J AND PILOT'S GUIDE ADDENDUM P/N 190-00356-31 REV. D

REVISED EQUIPMENT LIST AND WEIGHT AND BALANCE DONE BY SCALES BY AIRCRAFT OWNER AND ENTERED IN AIRCRAFT PAPERS

-----END-----

☒ Additional Sheets Are Attached