



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))

<b>1. Aircraft</b>	Nationality and Registration Mark <b>N622AD</b>	Serial No. <b>2403</b>
	Make <b>Cirrus Design Corp</b>	Model <b>SR22</b> Series
<b>2. Owner</b>	Name (As shown on registration certificate) <b>Joe Doran</b>	Address (As shown on registration certificate) Address <b>16635 Cordillera Dr</b>
		City <b>Round Rock</b> State <b>Texas</b> Zip <b>78681</b> Country <b>U.S.A.</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	_____	(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		C. Certificate No.	
Name <b>ACS Avionics, LLC</b>		U. S. Certified Mechanic		<b>WCHR539X</b>	
Address <b>510 S. Hangar Drive</b>		Foreign Certified Mechanic			
City <b>Georgetown</b> State <b>TX</b>		<input checked="" type="checkbox"/> Certified Repair Station			
Zip <b>78628</b> Country <b>U.S.A</b>		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  <div style="text-align: right;"><i>[Signature]</i>      27 Feb 2019</div>
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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

<b>BY</b>	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. <b>WCHR539X</b>			Signature/Date of Authorized Individual  <div style="text-align: right;"><i>[Signature]</i>      27 Feb 2019</div>		

**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.)*

**N622AD**  
Nationality and Registration Mark

**February 27, 2019**  
Date

1. Removed existing avionics necessary to facilitate new equipment installation.

Removed	Item	Part Number	Serial Number
	GTX 327	011-00490-00	83727394

2. Installed Garmin GTX345 ADS-B Transponder on lower center pedestal. Reconfigured GNS430W's to add ADS-B with TCAS. Work performed in accordance with Garmin STC No. SA01714WI and Installation Manual No. 190-01499-02. Functional check performed satisfactory.

Installed	Item	Part Number	Serial Number
	GTX 345 Transponder	011-03302-00	3EG026019

3. Rearranged and rerouted center pedestal to accommodate new installed GTX345 Transponder

Installed	Item	Part Number	Serial Number
	Flight Stream 210	011-03257-40	3RE007844

4. Installed Flight Stream 210 behind cockpit panel and connected to existing Garmin GNS430W. Functional check performed satisfactory.

5. Replaced GPS Antenna IAW AC 43.13-2B Chapter 3. No discrepancies noted.

Removed	Item	Part Number	Serial Number
	GPS Comdat Antenna	CI 428-200	229981
Installed	GPS Comdat Antenna	CI 428-200	536584

The aircraft Weight and Balance/Equipment List Revision was revised to reflect these changes.

-----**END**-----

Additional Sheets Are Attached



US Department  
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11/30/2007

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1. Aircraft	Nationality and Registration Mark N950SE	Serial No. 2403
	Make CIRRUS DESIGN CORP.	Model SR-22
2. Owner	Name (As shown on registration certificate) TRILOCK USA INC	Address (As shown on registration certificate) Address: 7926 SW NIMBUS AVE. City: BEAVERTON, OREGON Zip: 97008-6435 Country: USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
	X	AIRFRAME	CIRRUS DESING CORP	(As described in item 1 above)	2403
		POWERPLANT			
		PROPELLER			
		APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address Troutdale Aircraft Services, Inc. 1250 NW Perimeter Way Troutdale, OR 97060	B. Kind of Agency U.S. Certificated Mechanic Foreign Certificated Mechanic X Certificated Repair Station Certificated Maintenance Organization	Manufacturer C. Certificate No. T9ZR725Y
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Extended range fuel Per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual 7/28/2008 Marc Belanger 
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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 Fit. Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Transport Canada Airworthiness Group
	FAA Designee	X Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. T9ZR725Y	Signature/Date of Authorized Individual 7/28/2008 Marc Belanger 
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Certificate or Designation No. T9ZR725Y	Signature/Date of Authorized Individual 7/28/2008 Marc Belanger 
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N950SE

7/28/2008

Nationality and Registration Mark

Date

**A – Comply with Garmin GNS430 WAAS upgrade IAW STC SA01933LA;**

Remove both existing No.1 GNS430 - P/N off 011-00280-10 for the factory WAAS modification; re-install the modified No.1 and No.2 GNS430W Navigators P/N 011-01060-40; modified by CRS# G6XR582Y on w/o RMA9502295 dated 7/22/2008; both modified units comply with Garmin Mandatory Service Bulletin No. 0740 Rev.B 400W Series unit software upgrades to Main Software version 3.00 & GPS software version 3.0 or greater. Verify the existing installation complies with Garmin Installation Manual P/N190-00356-02, Rev.D dated October 2007. This alteration is approved under Garmin Supplemental Type Certificate SA01933LA dated 11/20/2007. This aircraft is listed under the FAA-approved Model List (AML) for STC SA01933LA, dated 11/06/2006. Permission has been granted by Garmin International to use this STC.

Remove the existing Garmin No.1 and No.2 GA-56 P/N 011-00134-00 GPS antennas (FS 110.3) and install two new Comant antennas of top of the aircraft fuselage skin; No.1 Comant GPS WAAS/XM antenna P/N CI428-410 at FS 132.00; No.2 Comant GPS/WAAS antenna P/N CI428-200 at FS 202.00. The antenna installation was performed IAW Cirrus SB2X-34-24 R1 for this SR22 aircraft model.

B - Copies of the FAA-approved Garmin GNS 400W Series Airplane Flight Manual Supplements, Garmin p/n 190-00356-03, Rev. A were placed into the Pilot's Operating Handbook. Previous Garmin GNS 400 Series AFMS have been removed from the POH.

C. The following Manuals were placed in the aircraft:

- Garmin 400W Series Pilot's Guide & Reference, p/n 190-00356-00, Rev B, dated September 2007
- Garmin 400W/500W Series Display Interfaces Pilot's Guide Addendum, p/n190-00356-31, Rev B, dated September 2007
- Garmin 400W Series Quick Reference, p/n 190-00356-01, Rev B, dated September 2007
- Garmin 400W/500W Series Garmin Optional Displays Pilot's Guide Addendum, p/n 190-00356-30, Rev B, September 2007

**Notes:**

1 – These pilot's guides, or later appropriate revisions, must be retained on board the aircraft.

2 – Garmin Installation Manual 190-00356-02 Rev.D requires Avidyne EXP5000 P/N 700-0006-( ) to have software 530-00194-( ), or later, and requires Avidyne EX5000, P/N 700-0004-( ) to have software 530-00195-( ), or later.

D. The Aircraft Weight and Balance Data and Aircraft Equipment List were amended. See the Pilot's Operating Handbook (AFM) for current weight and balance data.

**INSTRUCTIONS FOR CONTINUED AIRWORTHINESS:**

See Garmin 400W Series ICA 190-00356-65, Rev. A. Copies of these documents were supplied to the customer. The owner / operator of this aircraft are responsible for ensuring that this Instructions for Continued Airworthiness become part of the aircraft inspection program required by FAR 91.409.

----- END -----