

KIND OF INSPECTION STATUS & DISCREPANCY LIST

AIRCRAFT TIME IN SERVICE

SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

Printed by EBis 3 (datcomedia.com)

MAKE: Cirrus
MODEL: SR22
S/N: 1361
REG. NO: 809RJ
WORK ORDER: 2997

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone: 503-666-3838

DATE 11/6/2006
A/C SN 197 2
HO: 3 197 2

Airframe Entries

- 1 Cirrus - C/W AD 2006-21-03 to detect, correct, and prevent overheating damage to the brake caliper piston O-ring seals. effective date 11-17-06. Installed new brake caliper piston O-rings in both calipers. Bleed brakes and operationally checked and OK.
- 2 Adjusted the co-pilot lower door pin.
- 3 Performed the TKS system test all panels have fluid flowing out of them.
- 4 Complied with Cirrus Service Bulletin SB 2X-34-22R1, Static Air Source Sump Installation. Static leak check within tolerance for non-pressurized aircraft.
- 5 Ramp-tested # 1 Comm system to try to duplicate customer's complaint of intermittently weak and unreadable transmissions. Unable to duplicate complaint despite repeated testing. Removed # 1 Garmin GNS 430 GPS/Nav/Comm, p/n 011-00280-10, s/n 971215634, mods 1 - 5, SW ver. 4.02 main, 3.03 GPS. Tested comm transmitter of this unit per Garmin maintenance manual p/n 190-00140-05, rev. D. No fault found. Tested antenna system for faults, including short circuits, open circuits, and standing wave ratio. No fault found. Moved # 2 Garmin GNS 430 GPS/Nav/Comm, p/n 011-00280-10, s/n 971215515, mods 1 - 5, SW ver. 4.02 main, 3.03 GPS, to # 1 position for additional testing. Reinstalled Garmin GNS 430 GPS/Nav/Comm, p/n 011-00280-10, s/n 971215634, in # 2 position for additional testing. Reconfigured both systems per Cirrus manual p/n 13773-001, dated 9/15/04. Ground operational checks were normal on both systems.
- 6 Cirrus -P/C/W AD2006-19-10 Effective date 10-24-06. Prevent the crew seats from folding forward during emergency landing. Work to be done IAW SB2X-25-17R1 & SB2X-25-06R4 Completed on 01-20-2006
- 7 Determined that FAA Special Airworthiness Information Bulletin CE-07-08 and Avidyne Service Alert SA-06-003, alerting aircraft operators of potential incorrect attitude and heading information generated by the EXP5000 Primary Flight Display, applies to Avidyne EXP5000 PFD, p/n 700-00006-000, rev.3 s/n 24773085, mod 0, rebuilt 1/17/06 by CRS PT1042NE on Work Order RA19771. Corrective action is by factory update only. No additional action was taken at this time.
- 8 Interior Door Trim (each piece) R&I. Installed new dual lock on pilots side door trim to secure.
- 9 Interior Door Trim (each piece) R&I. Installed new dual lock on Co pilots side door trim to secure
- 10 Removed and cleaned threads in wing and on fuel valve, reinstalled and leak checked and OK. Cleaned fuel staining on wheel fairing and bottom of wing

The aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under above work order number. Chief Inspector Scott K. Kenney

DATE: 11/6/2006

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work

Printed by EBi 3 (date)

F.A.R. 43.11-91.409

DATE _____

AIRCRAFT TIME
IN SERVICE

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

MAKE Citrus
MODEL 5R22
S/N 1351
REG NO 809RJ
WORK ORDER 3060

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone: 503-666-3838

DATE: 1/29/2007
A/C TSN: 202.9
HOBBS: 202.9

Airframe Entries

- 1 Removed Meggitt Avionics S-Tec 55X Autopilot Programmer/Computer, p/n 01192-34-61T-30 (Cirrus p/n 13560-002), s/n 0502-7785, HW ver. AJ, SW ver. AE. Installed Meggitt Avionics S-Tec 55X Autopilot Programmer/Computer, p/n 01192-4-53-30P (Cirrus p/n 13560-002), s/n 0441-7430, HW ver. AJ, SW ver. AE, repaired 1/5/07 by CRS FF2R818K on Work Order R000051032. Initialized and calibrated system per Cirrus SR22 manual p/n 13773-01, dated 8/18/05, and Meggitt Avionics S-Tec manual p/n 87102, dated 2/25/06. Ground operational check normal.
- 3 Complied with Avidyne Service Bulletin 601-00004-074, dated 1/18/06, updating software in Avidyne EX5000C Multi-function Display, p/n 7000004-006 rev. 11, s/n 20513364, from p/n 530-00180-100, rev. 01, to p/n 530-00180-100, rev. 03. Operational check normal.

The aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 1/29/2007

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 3060

Printed by EBis 3(atcomedia.com)

MAKE Cirrus
MODEL SR22
S/N 1361
REG NO: 809RJ
WORK ORDER: 3097

Troutdale Aircraft Services, Inc.

Repair Station No T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone 503-666-3838

DATE 3/23/2007
A/C TSN 222 7
HOBBS 222 7

E

Airframe Entries

- 1 I Certify that this Airframe has been inspected for Annual Inspection in accordance with the cirrus maintenance manual and FAR 43 appendix D and was found airworthy for return to service.
- 8 Removed Avidyne EXP5000 Primary Flight Display, p/n 700-00006-000, rev. 30 (Cirrus p/n 15222-001), s/n 24773085, mod 0, software p/n 530-00177-000, rev. 01. Shipped to Avidyne. Reinstalled Avidyne EXP5000 Primary Flight Display, p/n 700-00006-000, rev. 30 (Cirrus p/n 15222-001), s/n 24773085, mods 18, 19, 21, 23 - 25, 28, 29, 31, 32, 34, software p/n 530-00183-000, rev. 00, rebuilt 3/7/07 by CRS PT1042NE on Work Order RA23431. Initialized, programmed, and calibrated unit per Cirrus manual, p/n 13773-001, dated 11/15/05. Tested pitot/static system and altitude reporting system per FAR 43, Appendix E. That system met requirements of FAR 91.411 for non-pressurized aircraft. Initialized and calibrated primary flight display and magnetometer per Cirrus manual p/n 13773-001, dated 11/15/05. Operational check normal. Placed a copy of Avidyne Entegra Cirrus EXP5000 Primary Flight Display Pilot's Guide, p/n 600-00142-000, rev. 03, into the aircraft. Found scratches in display screen that were not present when unit was shipped to Avidyne for update. See Item 59 for corrective action.
- 9 Removed both existing Garmin GNS 430 GPS/Nav/Comm's, p/n 011-00280-10, mods 1-5, SW Ver. 5.01 main, 3.03 GPS, s/n's 97125515 and 97125634. Shipped to Garmin. Removed radio module for access. Removed both existing radio module GPS antenna coaxial cables. Fabricated and installed 2 new GPS antenna coaxial cables using RG-400/U coaxial cable. Fabricated and installed new VLOC and Comm 2 coaxial cable pigtails for future ease of radio module removal and installation. Reinstalled radio module. Installed Garmin GNS 430W GPS/WAAS/Nav/Comm's, p/n 011-01060-40, mods 1-5, SW Ver.2.00 main, 2.04 GPS, s/n's 97125634 and 97125515, modified 3/6/2007 by CRS G6XR582Y on Work Order RMA 3022956. Removed both existing Garmin GA 56 GPS Antennas, p/n 011-00134-00, s/n's 59403682 and 59403696. Installed new Garmin GA 35 GPS/WAAS Antennas, p/n 013-00235-00, s/n's 13045 and 13670, at standard Cirrus location beneath glareshield. Initialized, configured, and checked out both GNS 430W systems per Garmin manual, p/n 190-00356-02, rev. B. Created and filed FAA Form 337. Supplied copy of Garmin Instructions for Continued Airworthiness, p/n 190-00356-65, rev. A, to customer. Removed existing GNS 430 Airplane Flight Manual Supplement, Cirrus p/n 13772-103 (SR22), dated 5/25/05, from pilot's operating handbook. Placed a copy of FAA-approved Garmin GNS 400W Series Airplane Flight Manual Supplement, Garmin p/n 190-00356-63, rev. B, into pilot's operating handbook. Placed a copy of Garmin 400W Series Pilot's Guide & Reference, p/n 190-00356-00, rev. A, a copy of Garmin 400W/500W Series Display Interfaces Pilot's Guide Addendum, p/n 190-00356-31, rev. A, and a copy of Garmin 400W Series Quick Reference, p/n 190-00356-01, revision A, into the aircraft. Amended Aircraft Weight and Balance Data and Aircraft Equipment List. This alteration is approved under Supplemental Type Certificate SA01933LA. This aircraft is listed under the FAA-approved Model List (AML) for STC SA01933LA, dated 11/6/06. Permission has been granted by Garmin International to use this STC.
- 11 Tested altimeters, pitot/static system, altitude reporting system, and transponder system per FAR 43, Appendices E and F. Those systems met requirements of FAR 91.411 and 91.413 to 20,000 feet for non-pressurized aircraft.
- 12 Cirrus - C/W SB 2X-24-06 Wiring & Alternator Inspection, also provides improved grounding. Installed modification kit.
- 13 Cirrus - C/W SB 2X-71-11 R1 Installed Electrical connector sealing kit.
- 15 Cirrus - Optional - C/W SB 2X-71-14 R1 RH Front Baffle Repair. Installed repair kit.
- 16 Cirrus - 2 year life limited number 2 Aux battery replacement. Replaced #2 aux batteries.
- 17 Cirrus - 2 year or 1200 hours which ever comes first life limited TKS Ice Protection System Filter. Replaced TKS filter and o-ring.
- 18 ELT battery was replaced, ELT was operationally tested in accordance with FAR 91.207 and OK for return to service.
- 20 Adjusted the rudder-aileron interconnect to 8 degrees aileron down travel on the LH and RH aileron.
- 22 Applied RTV silicone to the Alternate air duct to prevent further chaffing on the #1 alternator.

F.A.R. 43.11-91.409

Cont \rightarrow

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
23		Adjusted LH muffler ball joint hardware per maintenance manual spec's
24		Adjusted Heat exchanger balljoint per maintenance manual spec's
26		Tightened Co-pilot side firewall ground plug
27		Replaced 4 rivets on the outside skin of the bottom of the rudder that connect to the rudder attach bracket.
29		Drained TKS fluid from system, Purged system with Hot water to clean out TKS panel pores, Drained water from system, filled TKS tank with TKS fluid and tested system.
30		Repositioned trim placard for pilots yoke.
31		Installed a new RH passenger eyeball light.
32		Installed spiral wrap to throttle cable to prevent further chaffing on the LH mag case.
33		Tightened 2 TKS deice line b-nuts inside LH wing panel LW16.
34		Installed a new cherry rivet in the RH aft baffle above the right mag.
35		Tightened Numerous loose TKS fittings from the spar to the TKS pump, and cleaned TKS fluid residue on the bottom of the fuselage.
36		Replaced LH & RH exhaust clamps and hardware.
37		Spliced a new piece of heat tape on Lower RH cowl and adjusted heat exchanger to prevent further chaffing.
38		Replaced LH & RH door seals to prevent outside air leaks. Adjusted locking assemblies to allow proper door operation.
39		Installed spiral wrap to LH & RH main gear flexible brake lines to prevent further chaffing on the lower wheel fairings.
40		De-fueled RH wing, Removed damaged fuel sending unit S/N 2429, Installed new fuel sending unit S/N 3620, performed adjustment procedures per maintenance manual. Re-fueled RH wing.
41		Installed new LH & RH lower door hinge cover plates and shimmed them with washers to prevent further chaffing.
42		Safety wired Front baffle de-ice line for the slinger ring b-nuts.
49		Cleaned and applied anti-chaffe tape to LH & RH inboard wheel fairing covers.

Cont 

51 Installed the Garfinkel extension to prevent oil from getting on the belly of the aircraft

52 Prepped LH outboard fuel drain, masked, painted, and blended

53 Removed brake reservoir, cleaned, inspected brake line and fittings on Brake reservoir. Serviced hyd reservoir

54 Replaced baggage door seal to prevent cold air entering the cockpit

56 Tested airspeed switch and Skywatch system per Cirrus manual p/n 13773, dated 4/15/06. Found airspeed switch consistently cycled at about 44 knots. Found no faults with system operation.

57 Removed Avidyne EXP5000 Primary Flight Display, p/n 700-00006-000, rev. 30 (Cirrus p/n 15222-001), s/n 24773085, mods 18, 19, 21, 23 - 25, 28, 29, 31, 32, 34, software p/n 530-00183-000, rev. 00. Returned to Avidyne. Reinstalled Avidyne EXP5000 Primary Flight Display, p/n 700-00006-000, rev. 30 (Cirrus p/n 15222-001), s/n 24773085, mods 18, 19, 21, 23 - 25, 28, 29, 31, 32, 34, software p/n 530-00183-000, rev. 00, rebuilt 3/13/07 by CRS PT1042NE on Work Order RA24073. Initialized, programmed, and calibrated unit per Cirrus manual, p/n 13773-001, dated 11/15/05. Tested pitot/static system and altitude reporting system per FAR 43, Appendix E. That system met requirements of FAR 91.411 for non-pressurized aircraft. Initialized and calibrated primary flight display and magnetometer per Cirrus manual p/n 13773-001, dated 11/15/05. Operational check normal.

8 Replaced navigation datacard with current version, expiring 4/12/07. Operational check normal.

Complied with Avidyne Service Bulletin 601-00004-057, dated 1/13/06, and Cirrus Owner Service Advisory SA 06-10, dated 6/19/06, updating the checklist in the Avidyne EX5000C Multi-function Display, p/n 700-00004-006 rev. 11, s/n 20513364, to Checklist SR22, Version A7.2. Operational check normal.

Adjusted pilots door latching assemblies and adjusted the lower rod end.

The aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 3/23/2007

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 3097

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DA

MAKE Cirrus
MODEL SR22
S/N 1361
REG NO 809RJ
WORK ORDER 3127

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone 503-666-3838

DATE: 4/30/2007
A/C TSN 222.7
HOBBS 222.7

Airframe Entries

- 1 Customer reports Flap switch sometimes doesn't select 50% flaps. Wiggling the switch solves the problem. Ramp check found flaps operating normally--could not duplicate complaint. Received warranty approval to replace switch. Removed and replaced multi-deck rotary flap switch, p/n 50336-002. Performed flap operational test IAW Cirrus SB 2X-34-18 and Cirrus SR-22 Airplane Maintenance Manual Chapter 27.50, p/n 13773-001, 4/15/2006.
- 2 Removed RH trailing anti-collision light bulb and installed a new bulb.
- 3 Installed a new cup holder on the pilots side.
- 4 Adjusted the defrost/floor switch operational check is good.
- 5 Adjusted the lower door hinges and the door latches and posts.
- 6 Inspected the aileron system. Determined the left aileron was out of adjustment. Performed the Aileron system rigging. Adjusted the aileron turn buckles, aileron pulley stops, the trim cartridge and the Rudder-Aileron interconnect.
- 7 Lubed the heat selector at both ends and straightened out the cable for ease of operation.
- 8 Error message on both 430's that say date not valid on Stormscope. Also say's stormscope is not working. Ramp check could not duplicate date error messages. Stormscope self-tests satisfactorily. RS232 lines ring out correctly from WX500 to MFD. Visual inspection of WX500 connections normal. Removed L-3 WX 500 Series II Stormscope, p/n 805-11500-001, mods C,D,F, s/n 87035 s/w ver. 1.03 for warranty replacement. Received replacement L-3 WX-500 Stormscope, p/n 805-11500-001, s/n 90123, mods C,D,F inspected by CRS#NN2R037L on w/o 432024 dated 4/5/2007. Installed replacement stormscope in aircraft. Operational self-test normal.
- 9 Cirrus - C/W SBA2X-95-10R1 Replaced the CAPS Pick-up Collar Support.
- 10 Cirrus - C/W SB2X-95-09 Inspected the CAPS Straps and Installed CAPS Strap Abrasion Sheath.
- 11 4/27/2007 Reference Item #6 for aileron rigging. No further action taken. MB
- 12 Wire pulled out of strobe light connector pin in left wing tip. Removed and replaced damaged connector pin.

The aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 4/30/2007

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 3127

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INSPECTION RECORD

MAKE Cirrus
MODEL SR22
S/N 1361
REG NO 809RJ
WORK ORDER 3170

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone 503-666-3838

DATE: 5/10/2007
A/C TSN 222.7
HOBBS 222.7

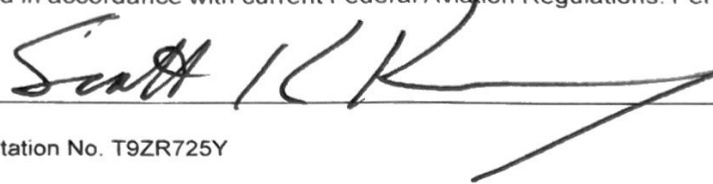
Airframe Entries

- 2 Reset PFD aircraft configuration from "SR22+" to "SR22" and Avionics Installed configuration from "Moritz DAU" to "not installed" IAW Avidyne Entegra Installation Manual, p/n 600-00141-000 Rev. 01, Sec 3.2 & #.3. Data blocks were removed from PFD screen.
- 3 Complied with Garmin Installation Bulletin No. 0711 Rev.A by configuring GNS430W #1 and #2 WX-500 RS-232 channel to "Off". Post-configuration test satisfactorily completed on both GPS's.

The aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 5/10/2007

SIGNED:



Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 3170

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MAKE: Cirrus
MODEL: SR22
S/N: 1361
REG. NO: 809RJ
WORK ORDER: 3320

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone: 503-666-3838

DATE: 8/3/2007
A/C TSN: 269.9
HOBBS: 269.9

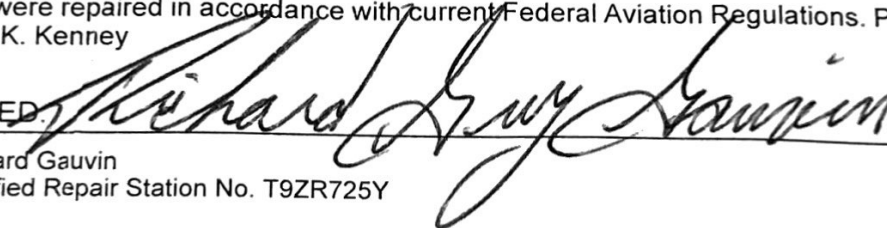
Airframe Entries

- 2 Adjusted nose tire pressure to 40 psi, and main tires to 62 psi.
- 3 Removed, cleaned, gapped, inspected, tested and installed the spark plugs.
- 4 Cirrus - C/W SB 2X-52-07 R1 Inspected Cabin Door Rod End and adjusted.
- 5 Cirrus - C/W SB 2X-27-14R2 Rudder-Aileron Interconnect Modification removed the washers under the screw head and adjusted.

The aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 8/3/2007

SIGNED:



Richard Gauvin
Certified Repair Station No. T9ZR725Y

Work Order: 3320

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INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME	SIGNATURE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST	CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
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MAKE: Cirrus
MODEL: SR22
S/N: 1361
REG. NO: 809RJ
WORK ORDER: 3412

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone: 503-666-3838

DATE: 10/11/2007
A/C TSN: ~~1361~~
HOBBS: 301.1

Airframe Entries

- 1 Adjusted Pilot's door latches to open at same time. Ops check OK.
- 2 Adjusted heater control so they are smooth through entire range of motion.
- 3 Cleaned electrical connectors on #4 CHT probe. Ops check OK
- 4 Replaced LH main tire and tube due to flat spot.
- 5 Perform PFD magnometer calibration IAW Cirrus Maintenance Manual Chapter 34-20 Para 3. Post mag cal the heading was in error +5 degrees; out of tolerance IAW Cirrus Maintenance Manual Chapt 34-20.
10/11/07 Replace magnometer P/N 700-00011-000 Rev.06, S/N off 21879 with a rebuilt unit, S/N 24687. Perform PFD magnometer calibration IAW Cirrus Maintenance Manual Chapter 34-20 Para 3. Passed.
- 6 Verified the fault on the ramp with engine running, PFD 18C degrees, MFD 20C degrees.
Actual probe readings with digital thermometer, SIU(MFD) 61F/16C degrees; Magnometer(PFD) 59F/15C degrees. Displayed: MFD 64F/18C degrees; PFD 63F/17C degrees. Max error of 2C degrees per probe IAW Cirrus Maintenance Manual Chap. 31-60. Replace the magnometer temp probe, see item 5. Temperature readings are within tolerance.
- 7 Repaired and painted bottom of RH wheel pant.
- 8 Replaced cracked LH inner fairing bracket.
- 9 Repaired and painted LH upper gear leg faring.
- 10 Removed, cleaned, and inspected RH & LH gear leg grommets and found them to be OK. Re- assebled LH & RH gear legs.
- 11 Replaced nose tire, tube, bearings & races with new. Serviced new bearings. Balanced assy. and reinstalled on aircraft.
- 12 Removed, cleaned, inspected, and repacked main wheel bearings and races. Re-installed bearing in wheels, re-installed wheels.

The aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station und above work order number. Chief Inspector Scott K. Kenney

DATE: 10/11/2007

SIGNED:



Todd Barry
Certified Repair Station No. T9ZR725Y

Work Order

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Installed new tail tie down bumper using new hardware. Installed new rudder bottom fairing using original hardware. END.

L. John Wells A&P3221132

w/o 25512

MAKE: Cirrus
MODEL: SR22
S/N: 1361
REG NO: 809RJ
WORK ORDER: 3331

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone: 503-666-3838

DATE: 12/12/2007
A/C TSN: ~~25512~~
HOBBS: 316.1

Airframe Entries

Comply with Cirrus SB22-34-24 WAAS upgrade.

1 - Remove existing No.1 and No.2 Garmin GA35 GPS/WAAS antennas below the glareshield; P/N 013-00235-00, S/N off 13670 and S/N off 13045. Install a new No.1 Comant GPS/WAAS/XM antenna P/N CI 428-410 S/N on 209642, Cirrus Kit P/N 70190-002 and a new No.2 Comant GPS/WAAS antenna P/N CI 428-200, S/N on 209558, Cirrus Kit P/N 70190-003, on the top of the aircraft fuselage skin IAW Cirrus SB22-34-24. Antennas connected to the existing GNS430 Navigators and XM receiver. Complete operational checks IAW Garmin installation Manual P/N 190-00643-01, Rev. D, Oct, 2007 and Cirrus SB22-34-24. Revise aircraft weight and balance. Revise aircraft equipment list.

2 - Comply with Avidyne SB601-00006-081. Remove the EXP5000 PFD p/n: 700-00006-000 rev. 30 s/n: 24773085 and re-install customer's modified Avidyne EXP5000 PFD p/n: 700-00006-000 s/n: 24773085 IAW Avidyne SB601-00006-081. Performed configuration and autopilot ground calibration procedure IAW Avidyne Entegra EXP5000 PFD Release 7 Installation Quick Reference Guide p/n: 600-00188-000 Rev. 00 and Avidyne Entegra PFD IM P/N 600-00141-000 Rev.06. Pitot/Static system leak tested IAW FAR43 Appendix E (a2). Performed Magnetometer calibration IAW Cirrus SR22 AMM Chapter 34-20. Operational check normal. Provide customer with updated Cirrus EXP5000 Primary Flight Display Pilot's Guide, P/N 600-00142-000 Rev.05 dated Oct.1, 2007.

3 - Comply with Garmin GNS-430W SW upgrade bulletin. Remove the No.1 and No.2 Garmin Navigators for the field upgrade. Refer to Items 14, 15;

4 - Install ELT RF shield kit P/N 18389-001 IAW Cirrus SB22-34-24.

C/W AD 2007-14-03 Amd # 39-15125 To correct pick-up collar support fasteners of the CAPS, dated 8/16/07 I/A/W SB A2X-95-10 R1 P/C/W on 4/19/07.

Installed new Strobe light tube in RH wing tip. Strobe light system ops Check ok.

Tested VOR systems on both GNS 430 Navigators at KTTD on 12/03/07. Found both GNS 430 Navigator systems indicated <1 degree of error with respect to IFR 4000 Ramp Test unit which meets the requirements of FAR 91.171 for IFR operation.

No discrepancies noted at this time. Aircraft was flown and OK.

INSPECTION RECORD

Removed S-Tec Autopilot Computer p/n. 01192-34-61T-30 s/n 0441-7430 from aircraft. Installed replacement S-Tec Autopilot Computer p/n. 01192-34-61T-30 s/n 0619-9746 H/W mod AA-AJ, AL,AM S/W mod AE repaired 8/29/07 by CRS FF2R818K on work order R000054389 Aircraft was flown, roll off test was performed, trim tab was adjusted, aircraft was flown again OK. Auto pilot calibration was performed and test flight of auto pilot system was performed and OK in Nav and heading mode per the maintenance manual

Observed the following indicated measurements in hangar, PFD 19C degrees, MFD 20C degrees
Actual probe readings with digital thermometer, SIU(MFD) 67F/19C degrees, Magnometer(PFD) 66F/19C degrees Observed displayed temperature readings over approx. 20 degree spread. Max error of 2C degrees per probe IAW Cirrus Maintenance Manual Chap. 31-60. Temperature readings are within tolerance

Removed fuel gauge S/N 1405 and installed new gauge S/N 2655 Performed Adjustment/test of fuel gauge Ops check ok.

Repaired spider cracks and repainted center of roof.

Re-sealed static sump system. Retested static system IAW FAR 43 Appendix E. Operational check normal.

Comply with Garmin Mandatory Service Bulletin No. 0740 Rev.A. 400W Series unit software upgrade to Main Software P/N 010-00446-02 version 3.00 & GPS software P/N 010-00706-00 version 3.0. GNS430W P/N 011-01060-40, S/N 97125515. Perform ground checks IAW Garmin Installation Manual P/N 190-00356-02 Rev.D. Revise the AFMS P/N 190-00356-03 Rev.A IAW with this service bulletin.

Comply with Garmin Mandatory Service Bulletin No. 0740 Rev.A.
400W Series unit software upgrade to Main Software P/N 010-00446-02 version 3.00 & GPS software P/N 010-00706-00 version 3.0. GNS430W P/N 011-01060-40, S/N 97125634. Perform ground checks IAW Garmin Installation Manual P/N 190-00356-02 Rev.D. Revise the AFMS P/N 190-00356-03 Rev.A IAW with this service bulletin.

Checked battery fluid level and performed capacity check and OK.

The aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 12/12/2007

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 3331

Printed by EBis 3 (datcomedia.com)

MAKE Cirrus
MODEL SR22
S/N 1361
REG NO 809RJ
WORK ORDER 3542

Troutdale Aircraft Services, Inc.

Repair Station No T9ZR725Y
1250 NW Perimeter Way
Troutdale OR 97060
Phone 503-666-3838

DATE 3/19/2008
A/C TSN 329 1
HOBBS 329 1

Airframe Entries

Removed and replace existing ACK Technologies ELT model E-01 s/n: 051858 mod: 1 wt: 3.3 lbs, ELT Mounting Tray p/n: E-01-04, ELT Antenna p/n: E-01-15, ELT coax Cirrus p/n 20220-101 Rev. A, and ELT Remote p/n: E-01-05 from aircraft.

Installed the new Artex ME406 ELT p/n: 453-6603 Rev.H s/n: 08716, on the existing ELT shelf (FS 228.8), install the Artex antenna p/n: 110-773 in the existing tray cut out (FS228.8), and install the Artex remote p/n: 345-6196-04 Rev.B in the existing cut out in the circuit breaker panel. The power wire is protected by an ACG 1/2 amp fuse connected to the main buss. This installation was performed IAW Artex Description, Operation, Installation, and Maintenance Manual p/n: 570-1600 Rev. D and AC43.13.1B/2A. Complete operational checks IAW Artex Maintenance Manual, p/n: 570-1600 Rev. D. Weight and balance amended. Equipment list revised. POH placed in the cockpit. Battery due date: May 2013. Beacon Code: ADCC4 08830 00261.

Removed Temp sensor bulb p/n: 102-00002 s/n: 115589 from aircraft. Installed Temp sensor bulb p/n: 102-00002 s/n: 120664 IAW Cirrus SR22 AMM Chapter 34-10 dated 15 Apr 2007. Operational check shows 1 degree split between temperatures indicated on PFD and MFD. PFD indicates 20 deg. C; MFD indicates 21 deg. C.

Comply with SAFO 07004 and Cirrus SA07-10R1 for WAAS installation. Previously complied with on 12/3/2007; GPS APPR limitations placard removed.

Certify VOR systems to FAR91.171 for IFR operation.

Perform inspection IAW Cirrus Maintenance Manual Chapter 22-10 and Stec System 55X ICA.

Perform inspection IAW Garmin 400W Series ICA Section 2.5.

Perform inspection IAW Garmin GTX327 Installation Manual Section A-3.

Perform inspection IAW Avidyne Manual for ICA.

Perform inspection IAW L3 WX500 Installation Manual Section 4.3

Perform inspection IAW Honeywell KGP560 Installation Manual Section 7.4

Perform inspection IAW L3 SKY497 Installation Manual Section 4.3

Update the Avidyne EX5000C MFD with Cirrus Checklist Revision 7.3 IAW Avidyne SB 601-00004-057.

Adjusted squelch control. Music input operational check normal.

Replace Stec 55X Autopilot computer P/N 01192-34-61T-30 S/N off 0619-9746, S/N on 0603-9280, repaired by S-Tec Corp., CRS#FF2R818K, WO#R000056697 dated Mar.4/08. Perform operational checks IAW S-Tec Flight Line Service Manual Section 3.7.

The aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 3/19/2008

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 3542

Printed by EBis 3 (datcomedia.com)

INSPECTION RECORD

MAKE: Cirrus
MODEL: SR22
S/N: 1361
REG. NO: 809RJ
WORK ORDER: 3564

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone: 503-666-3838

DATE 3/19/2008
A/C T9N 329 1
HOBBS 329 1

Airframe Entries

I Certify that this Airframe has been inspected for Annual Inspection in accordance with the maintenance manual and FAR 43 appendix D and was found airworthy for return to service.

Cirrus - Brake Caliper O-Ring Replacement. Replaced the brake caliper o-rings with new high temp o-rings.

C/W SB 2X-27-14R3 Rudder-Aileron Interconnect Modification, performed in accordance with accomplishment instructions.

C/W AD 2008-03-16 Inspection of the rudder, aileron and rudder-aileron interconnect rigging dated 3/11/08 I/A/W Cirrus SB 2X-27-14 R3.

C/W SB 2X-52-07 R4 Cabin Door Rod End Replacement I/A/W accomplishment instructions.

Wet sanded and polished out spinner.

Removed all three cracked prop deice boots and replaced with new boots.

Replaced 9 inches of seal on lower RH engine cowl.

Installed new heat shield tape to lower LH engine cowl.

Installed new landing light lens.

Installed new forward cowl nose strut seal.

Sanded and painted LH & RH flap cove trailing edge.

Sanded and painted Aileron trim tab on bottom side of tab.

Installed new non-skid on LH & RH entry step.

Repositioned and secured Wires chafing on lightning hole in outboard section of RH wing.

Sanded to remove Urethane Edge Sealant. Installed Leading Edge protective Tape. Touched up paint.

Installed new rivets to the lower rudder hinge bracket.

Retorqued co-pilots brake line fittings at firewall.

Repositioned and secured fuel line at mixture control bracket.

Repositioned and re-secured Adel Clamp for alternate air control cable to induction tube at number 3 cylinder.

Installed new nose wheel axel.

Replaced RH brake linings with new.

INSPECTION RECORD

Serviced portable oxygen bottle to 1800 psi

Sanded and painted chip RH flap leading edge at mid hinge point.

DA1 Repaired cracking bondo, sanded and painted trailing edge of co-pilot wing walk.

Touched up paint on LH vortex generator.

Sanded and painted LH inboard and outboard flap cove panels. Adjusted panels and installed anti-chafe tape to prevent further chafing.

Sanded and painted scratch on bottom of LH wing by access panel LW13.

Repaired cracking bondo, sanded and painted LH/RH wing tip trailing edge attach points.

The aircraft and/or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 3/19/2008

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 3564

Printed by EBis 3 (datcomedia.com)

MAKE Cirrus
MODEL SR22
S/N 1361
REG NO: 809RJ
WORK ORDER: 3604

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone: 503-666-3838

DATE: 4/11/2008
A/C TSN: 348.9
HOBBS: 348.9

Airframe Entries

Replace Avidyne SIU P/N 200-00031-000 Rev.J S/N off 1520 with Avidyne rebuilt unit S/N 1142 Rev.F CRS#PT2011NE, dated 1/12/2007.

Complied with Avidyne SB 601-00004-077. Updated EX5000C P/N 700-00004-006, S/N 20513364, MFD to software with P/N 530-00195-100 Rev.02, Release 7.0.2 IAW Avidyne SB 601-00004-077. A new Avidyne EX5000C Pilot's Guide P/N 600-00108-00 Rev.07 dated 08/07, placed in the aircraft.

Comply with AD2008-06-28 Avidyne Corporation Primary Flight Displays dated 4/10/2008 IAW par (e) (2) and (3).

Affix COSPAS-SARSAT decal to ELT.

Installed aileron Trim tab placard at owners request.

Replaced anti collision light

The aircraft and/or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 4/11/2008

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 3604

Printed by EBis 3 (datcomedia.com)

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
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MAKE: Cirrus
MODEL: SR22
S/N: 1361
REG NO: 809RJ
WORK ORDER: 3716

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone: 503-666-3838

DATE: 6/26/2008
A/C TSN: 390 5
HOBBS: 390 5

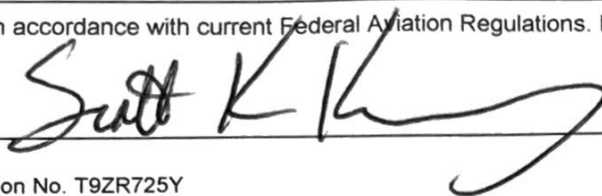
Airframe Entries

- Inboard fuel quantity sensor wire found loose at terminal. Tightened and Ops check OK.
- Installed new dual lock behind pilot door trim as needed.
- Performed flight check of aircraft and checked all trim tab positions for neutral at 60 to 70 percent power and OK.

The aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 6/26/2008

SIGNED:



Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 3716

Printed by EBis 3 (datcomedia.com)

MAKE: Cirrus
MODEL: SR22
S/N: 1361
REG. NO: 809RJ
WORK ORDER: 3735

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone: 503-666-3838

DATE: 7/28/2008
A/C TSN: 402.5
HOBBS: 402.5

Airframe Entries

Remove defective Avidyne EXP5000 PFD P/N 700-00006-000, S/N 24773085, for factory repair. Re-install Modified Loaner EXP5000 PFD P/N 700-00006-000, S/N 25615106, CRS#1VAR161B, WO#9002308 dated 6/30/08; mod 52 has been complied with IAW AD2008-06-28 R1 appendix (e). Completed configuration and autopilot ground calibration procedure IAW Cirrus Maintenance Manual Chapter 31-60. Pitot/Static system leak tested IAW FAR43 Appendix E (a2). Complete the magnetometer calibration, IAW Cirrus SR22 AMM, Chapter 34-20.

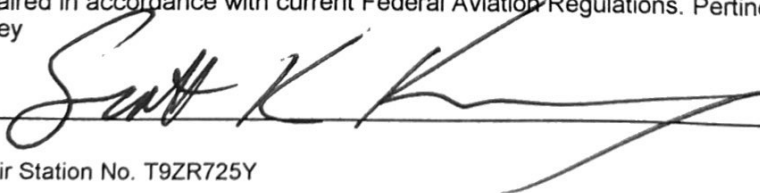
Reinstall No.2 GNS430W P/N 011-01060-40, S/N 97125634; perform GNS-400W Series Post-Installation Checkout IAW Garmin Doc. 190-00356-02 Rev.D.

C/W AD 2008-14-13 Cabin Door Rod End Replacement. Found PCW IAW SB2X-52-07R4, dated 2/22/08.

The aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 7/28/2008

SIGNED:



Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 3735

Printed by EBis 3 (datcomedia.com)

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
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MAKE Cirrus
MODEL SR22
S/N 1361
REG NO 809RJ
WORK ORDER 3757

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060
Phone: 503-666-3838

DATE: 8/13/2008
A/C TSN: 410.6
HOBBS: 410.6

Airframe Entries

Remove Modified Loaner EXP5000 PFD P/N 700-00006-000, S/N 25615106, CRS#1VAR161B, WO#9002308 dated 6/30/08.

Replace loaner Avidyne EXP5000 PFD P/N 700-00006-000, S/N 25615106, with the Avidyne exchange EXP5000 PFD P/N 700-00006-000 Rev.40, S/N 20030477, Inspected CRS#1VAR161B, WO#9002940 dated 7/24/08. Completed configuration and autopilot ground calibration procedure IAW Cirrus Maintenance Manual Chapter 31-60. Pitot/Static system leak tested IAW FAR43 Appendix E (a2). Complete the magnetometer calibration, IAW Cirrus SR22 AMM, Chapter 34-20.

The aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 8/13/2008

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 3757

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ENGINE MODEL: IO-550N
ENGINE S/N: 917589
REG. NO: 809RJ
WORK ORDER: 3938

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838

DATE: 12/11/2008
A/C TSN: 437.4
ENG TT: 406.2
HOBBS: 437.4

Engine Entries

Changed oil using Aeroshell 100 W . Filter was removed, cut, inspected and OK. Installed CH48108-1 filter and safety wired. Engine was washed, ran and checked for leaks and OK.

TCM - C/W SB 95-2 Lubrication of engine controls after washing engine. Recurring each 100 hours or each Annual inspection or after washing engine.

The aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 12/11/2008

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 3938

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INSPECTION RECORD

MAKE: Cirrus
MODEL: SR22
S/N: 1361
REG. NO: 809RJ
WORK ORDER: 3963

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838

DATE: 4/17/2009
A/C TSN: 447 9
HOBBS: 447 9

Airframe Entries

Annual Inspection - I Certify that this Airframe has been inspected for Annual Inspection in accordance with the maintenance manual and FAR 43 appendix D and was found airworthy for return to service.

Cirrus - I/C/A - C/W STEC 55 inspection IAW Cirrus Maintenance Manual Chapter 22-10 and STec System 55X IB-600.

Cirrus - I/C/A - C/W inspection of Artex ME406 ELT in accordance with Maintenance Manual Section 4.0

Cirrus - I/C/A - C/W Avidyne EXP5000/ EX5000C Inspection for Continued Airworthiness. Chap.31-60

Cirrus - I/C/A - C/W Honeywell KGP560 (EGPWS) Enhanced Ground Proximity Warning System Inspection for Continued Airworthiness. Perform inspection IAW Honeywell KGP-560 Installation Manual Section 7.4

Cirrus - I/C/A - C/W inspection of L3 WX500 stormscope system in accordance with Installation Manual Section 4.3

Cirrus - I/C/A - C/W L3 TRC 497 Traffic system Inspection for Continued Airworthiness. Perform inspection IAW L3 SKY497 Installation Manual Section 4.3

Cirrus - I/C/A - C/W inspection for continued airworthiness in accordance with Heads Up Technologies Inspection Form for XM weather / radio systems.

Cirrus - I/C/A - C/W Garmin GNS430/GMA340 Instructions for Continued Airworthiness. I/A/W Section 2.5

Cirrus - I/C/A - C/W Garmin GTX327 Inspection for Continued Airworthiness. I/A/W Installation Manual Section A-3

Cirrus - Airbag equipped Seat Belts, Connected test box to trouble shoot system prior to seat removal and required recertification after seat installation.

Cirrus - Brake Caliper O-Ring Replacement. Replaced the brake caliper o-rings with new high temp o-rings.

Cirrus - Certify VOR system to FAR 91.171 for IFR operation.

Cirrus - 2 year life limited number 2 aux battery replacement. Replaced #2 Batteries. per maintenance manual. Ops checked and OK.

Cirrus - Completed Magnetic and Magnetometer calibration IAW Cirrus MM Chapter 34-20.

Cirrus - Life Limited - TKS FILTER REPLACEMENT 2 year or 1200 hours life limited. Installed a new Ice Protection System Filter.

Certify altimeter, pitot/static system, altitude reporting system, and transponder system to comply with FAR 91.411 Part 43 Appendix E and FAR 91.413 Part 43 Appendix F for IFR operation. Altimeter system tested to 20,000 non-pressurized aircraft. No.1 Avidyne EXP5000 PFD P/N 700-00006-000, S/N 20030477, No.2 United Altimeter P/N 5934D-3, S/N 444540; ACK Altitude Encoder P/N A-30.4, S/N 93953; Garmin GTX-327 Transponder P/N 011-00490-00, S/N 83719268

Performed return to service flight check and OK.

Installed Forced Aeromotive Technologies/Bar Air Supercharger Kit # SR22SCW-20, Serial # 2022, under STC # SA10925SC and SA10926SC. Installation carried out IAW with supplied instructions in Drawing II-SR-22, dated 9/9/08, and AC 43.13 1B/2B acceptable practices. This STC specifically requires the installation of Airwolf Filter Corp remote mounted oil filter kit P/N AFC-K008, supplied with this supercharger kit, and under Airwolf STC SA00079NY. Remote kit mounted IAW instructions specified in F.A.T. drawings. 337 Forms submitted, POH revision inserted in POH, and W+B and equipment list amended. Aircraft ground run, and Ops and leak checked OK.

INSPECTION RECORD

DATE

Installed Precise Flight 77 cu/ft fixed oxygen system STC SA01708SE, P/N 102N0001-1, Bottle S/N HPR100968, Regulator S/N LRD00689. Installed IAW Precise Flight Instructions and Master Drawing #102N0000 Rev J. dated 4/30/2008. Bottle shelf installed IAW these drawings, and also with Cirrus Design AMM Chapter 51, as detailed and referenced in supplied STC instructions. Serviced with oxygen and checked for leaks and operation and found OK. Revision inserted into POH, W+B amended, and ICA supplied to owner. FAA form 337 submitted.

Cirrus - C/W SB 2X-25-14 Crew seat inflatable restraint system installed on this aircraft IAW instructions contained in this SB, and the Cirrus AMM. Pre-requisite SB 2X-25-07R4 and SB-2X-25-09 embodied at factory. W+B and equipment list amended, and function checked OK with AMSAFE test box.

Complied with Garmin Service Bulletin No. 0848 Rev.A; Upgrade No.1 GNS-430W Main Software to Version 3.20 and GPS Software to Version 3.2. Garmin GNS-430W P/N 011-01060-40, S/N 97125515

Complied with Garmin Service Bulletin No. 0848 Rev.A; Upgrade No.2 GNS-430W Main Software to Version 3.20 and GPS Software to Version 3.2. Garmin GNS-430W P/N 011-01060-40, S/N 97125634

Complied with Garmin Service Bulletin No. 0809 Rev.A; Upgrade Garmin GTX-327 transponder operating Software to Version 2.10. Garmin GTX327 P/N 011-00490, S/N 83719268.

Replaced missing cowl seal on lower LH engine cowl.

Replaced throttle rod end bolt with new and safetied.

Adjusted prop control rod end at governor, and tightened rod end bolt at throttle quadrant.

Replaced RH and LH exhaust header collector bolts with new.

Repositioned TKS line in fuselage and secured to prevent further chafing.

Removed Pitch Servo for vendor repair P/N 0108-15-P4, S/N 0442-13735. . Installed repaired pitch servo P/N 0108-17-P4, S/N 0442-13735, repaired by CRS#FF2R818K, WO#R000061525 dated March 10, 2009; adjusted bridle cable tension to 17 in/lbs IAW Cirrus Maintenance Manual Chapter 27.

Complied with Avidyne SB 601-00004-093 Rev.01 dated December 11, 2008; upgrade EX5000 MFD operating software to Release 8.0, Software P/N 530-00195-110 Rev.00. Provided a new Avidyne EX5000C Multifunction Display Pilot's Guide for Cirrus SR20/SR22 with Release 8 or later, P/N 600-00108-003 Rev.00 date October 30, 2008. Avidyne EX5000C MFD P/N 700-00004-006, S/N 20513364

Replaced missing "Grab Here" placard on co-pilot's side.

Adjusted both cabin door latches as required.

R&R magnetic compass. Repaired cracked mounting ear with epoxy.

Removed flap torque tube on both LH and RH sides to facilitate trimming of pass through hole and eliminate chafing.

Touched up both flap coves where chafed down to glass, and replaced anti-chafe tape.

Replaced LH brake linings with new.

Rigged aileron control system IAW MM to correct for out of tolerance neutral position.

Cleaned up area and touched up paint where both upper gear fairings mate with lower wing surface.

Replaced RH tire with new Goodyear Flight Custom III, installed new tube, balanced and reinstalled.

Repaired cracked paint and bondo inside both lower door flanges adjacent to latch mechanism.

Replaced LH cabin door seal with new.

REPAIR RECORD

Repaired and painted cracks in paint on top of cabin adjacent to Com antenna.

Sanded and painted several areas where paint chipped and scratched on both wheel pants.

Installed new headset hangers in both LH and RH position.

Repaired and painted small cosmetic crack on RH wingtip.

Repaired bondo and cracked paint on RH wing mid-cuff area.

Repaired and painted cosmetic paint/bondo crack on LH wing tip.

Repaired bondo and cracked paint on LH wing mid-cuff area.

Sanded and painted several scratches and chips around tow bar attach point on nose wheel pant.

Replaced nose landing gear strut with new part, P/N 14082-004 serial 4965 due to stripped threads on old unit. Secured nose fork and nose wheel, all IAW MM chapter 32.

Complied with AD 2009-05-05 Avidyne Primary Flight Displays Effective date 4/3/09, Amendment 39-15440. Supersedes AD 2008-06-28 R1; Not applicable due to serial number.

Removed both magnetos for 4 year overhaul IAW Cirrus MM Chapter 5. Overhauled on TAS internal RO 4012, reinstalled on aircraft with new mounting gaskets, timed IAW MSB 94-8C, and function checked OK.

Removed #1 alternator for 500 hr drive hub inspection. Inspected under TAS internal RO # 4012, reinstalled on aircraft, and function checked OK.

Removed Airwolf air/oil separator kit P/N AFC-W347-A, and installed M-20-400XL-A Air/Oil separator kit IAW STC. No. SA02033AT and supplied installation instructions. M-20 mounted on rear LH engine baffle, utilizing .040" 5" x 6" doubler to stiffen baffle. Drain line connected to barbed fitting on cylinder #2 push rod tube. FAA 337 Form submitted, and ICA's provided to owner.

Protected Traffic coax cable harness chaffing against TRC497 processor chassie outboard edge with spiral wrap.

Updated Pilot's Operating Handbook IAW Cirrus Revision A8. Placed Revised copies of the following:

- > Stec 55X Autopilot POH part number 87247
- > Garmin 400W Series Pilot's Guide Addendum P/N 190-00140-10 Rev.D
- > Garmin GNS-430 Pilot's Guide P/N 190-00356-00 Rev. B
- > Garmin GNS400W/500W Series Operational Displays P/N 190-00356-30 Rev. B
- > Garmin GNS400W/500W Series Display Interfaces P/N 190-00356-31 Rev.B
- > Remove Avidyne EXP5000 AFMS
- > Remove Avidyne EX5000 AFMS

Prepped and painted small stress crack on forward RH section of top cowl.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 4/17/2009

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 3963

Printed by EBis 3 (datcomedia.com)

Troutdale Aircraft Services

FAA Repair Station T9ZR725Y

Altimeter Scale Correction Card

Altimeter P/N: 700-00006-000

S/N: 20030477

Reference	Altimeter	Reference	Altimeter
Altitude in Ft	Reads	Altitude in Ft	Reads
-1000	-1000	14000	14000
0	00	15000	15000
500	500	16000	16000
1000	1000	18000	18000
1500	1500	20000	21999.5
2000	2000	22000	
3000	3000	25000	
4000	4000	30000	
5000	5000	35000	
6000	6000	40000	
8000	8000	45000	
10000	10000	50000	
12000	12000		

Tested by: SN

Date: 2/26/09

Altimeter Position: 1

Aircraft N#: 809RT

W/O# 3963

Troutdale Aircraft Services

FAA Repair Station T9ZR725Y

Altimeter Scale Correction Card

Altimeter P/N: 59340-3

S/N: 444540

Reference	Altimeter	Reference	Altimeter
Altitude in Ft	Reads	Altitude in Ft	Reads
-1000	-1000	14000	14000
0	5	15000	15020
500	505	16000	16000
1000	1010	18000	18010
1500	1515	20000	20030
2000	2015	22000	
3000	3020	25000	
4000	4020	30000	
5000	5020	35000	
6000	6010	40000	
8000	8005	45000	
10000	10000	50000	
12000	12010		

Tested by: SN

Date: 2/26/09

Altimeter Position: 2

Aircraft N#: 809RT

W/O# 3963

INSPECTION RECORD

MAKE: Cirrus
MODEL: SR22
S/N: 1361
REG. NO: 809RJ
WORK ORDER: 4058

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838

DATE: 4/23/2009
A/C TSN: 455.8
HOBBS: 455.8

DATE

Airframe Entries

Checked rigging on rudder-aileron interconnect, and adjusted to correct position IAW MM.

Adjusted throttle linkage to attain better geometry at low RPM. Travel checked OK.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 4/23/2009

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 4058

Printed by EBis 3 (datcomedia.com)

MAKE: Cirrus
MODEL: SR22
S/N: 1361
REG. NO: 809RJ
WORK ORDER: 4064

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838

DATE: 5/12/2009
A/C TSN: 459.7
HOBBS: 459.7

Airframe Entries

Removed LH wing tip, found connector to LH Nav and anti-collision light disconnected, secured connection, and reinstalled tip after function check.

Removed Pilot's seat to access airbag strap harness. Adjusted strap inside seat, and function checked OK. Reinstalled seat in aircraft and function checked Airbag system.

Removed Precise Flight Semi-portable 22 cu/ft oxygen system from aircraft. Amended W+B and equipment list to reflect the changes.

Removed TCM fuel nozzles, installed new set of GAMI fuel nozzles - Kit number TIG550-12E, S/N 18971, under STC SE09963SC. FAA form 337 submitted.

Ground run carried out, fuel set-ups carried out IAW TCM-97-3E, and found OK.

Cirrus - Airbag equiped Seat Belts, Connected test box to trouble shoot system prior to seat removal and required recertification after seat installation.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 5/12/2009

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 4064

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INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
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MAKE Cirrus
MODEL SR22
S/N 1361
REG NO 809RJ
WORK ORDER 4083

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838

DATE: 5/15/2009
A/C TSN: 460
HOBBS: 460

Airframe Entries

Checked rigging of flaps, ailerons, and rudder IAW MM. Adjusted RH flap to correct zero angle.

Using G2 wing TKS panel contour tools, verified correct location of TKS panels on both wings.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 5/15/2009

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 4083

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MAKE: Cirrus
MODEL: SR22
S/N: 1361
REG. NO: 809RJ
WORK ORDER: 4190

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838

DATE: 7/23/2009
A/C TSN: 500.8
HOBBS: 500.8

Airframe Entries

Removed the L3 WX500 Stormscope receiver for vendor repair, P/N 805-11500-001, S/N off 90123. Reconfigured the EX5000 MFD and both GNS430 Navigators.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 7/23/2009

SIGNED:

Marc Belanger
Certified Repair Station No. T9ZR725Y

Work Order: 4190

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INSPECTION RECORD

F.A.R. 43.11-91,409

D/ -- | AIRCRAFT TIME |

MAKE: Cirrus
MODEL: SR22
S/N 1361
REG. NO: 809RJ
WORK ORDER: 4150

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone 503-666-3838

DATE 7/6/2009
A/C TSN 490 5
HOBBS 490 5

Airframe Entries

Tested L3 WX500 serial data ports, fault log and configuration. No further action taken.

Replaced pilot's intermittent manual trim switch on yoke CPN 50340-001.

Replaced pilot's intermittent PTT switch CPN 50339-001

Covered Avidyne MFD USB port with USB adhesive label.

Replaced two pieces of cowl seal on lower cowls.

Repaired section of peeling paint on LH side of cabin - just aft of pilot's door.

Installed new Grab here placard.

Replaced supercharger drive belt with new from Forced Aeromotive Technologies. Adjusted IAW F.A.T. SB Supercharger Belt Tension.

Affixed correction label to hobbs meter "Hobbs T/T Less 5.8 hours".

Fabricated and installed cooling duct for supercharger drive belt.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 7/6/2009

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 4150

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INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
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MAKE Cirrus
MODEL SR22
S/N 1361
REG NO 809RJ
WORK ORDER 4217

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone 503-666-3838

DATE: 8/14/2009
A/C TSN: 505.7
HOBBS: 505.7

Airframe Entries

- 1 Installed L3 WX500 loaner Storm Scope receiver, P/N 805-11500-001, S/N on 93741; inspected by CRS#NN2R037L, WO#725149 dated June 30, 2009. Configured the Avidyne EX5000 MFD and both Garmin GNS430W Navigators for WX500 display.
- 2 Aircraft was test flown and rudder trim tab adjusted and OK.
- 3 Changed oil using Aeroshell 100 W . Filter was removed, cut, inspected and OK. Installed CH48109-1 filter and safety wired. Engine was washed, ran and checked for leaks and OK.
- 5 Jacked aircraft. Removed nose gear and inspected for damage and crackes. Cleaned spindle cup and fork bushings.Reinstalled IAW AMM.
- 6 Inspected and adjusted tension of super charger belt.
- 7 Repaired Nose wheel pant and painted and stripped.
- 8 Replaced Copilot's bolster panel "Grab Here" placard with new.
- 9 Inspected engine mount and nose gear strut for cracks. None found.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 8/14/2009

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 4217

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DA MAKE: Cirrus
MODEL: SR22
S/N: 1361
REG. NO: 809RJ
WORK ORDER: 4281

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone: 503-666-3838

DATE: 9/28/2009
A/C TSN: 533.5
HOBBS: 533.5

Airframe Entries

- 1 Changed oil using Aeroshell 100 W . Filter was removed, cut, inspected and OK. Installed CH48109 filter and safety wired. Engine was washed, ran and checked for leaks and OK.
- 2 Inspected nose gear upper fillet welds and upper gusset plate for cracks and degormation. No defects found.
- 3 Painted red on tires at air fill fitting to see where the fill port is when wheel pant is on.
- 4 Filled oxygen system from 1400 psi to 2100 psi.
- 5 Replaced WX 500 with inspected unit S/N 90123.
- 6 Fabricated backing plates for "Grab Here" placards. Attached placards to plate and plate to panel.
- 7 Inspected LH wing tiedown. Installed and sealed to bottom of wing.
- 8 Adjusted supercharger belt tension IAW STC instructions.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 9/28/2009

SIGNED:

Scott Kenney
Certified Repair Station No. T9ZR725Y

Work Order: 4281

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MAKE Cirrus
MODEL SR22
S/N 1361
REG NO B09RJ
WORK ORDER 4244

Troutdale Aircraft Services, Inc.

Repair Station No. T9ZR725Y
1250 NW Perimeter Way
Troutdale, OR 97060 USA
Phone 503-666-3838

DATE: 8/27/2009
A/C TSN: 519.2
HOBBS: 519.2

Airframe Entries

- 1 Complied with Garmin Service Bulletin No. 0918 Rev.A; Upgrade No.1 Garmin GNS430W software to Version 3.30. GNS430W P/N 011-01060-40, S/N 97125515
- 2 Complied with Garmin Service Bulletin No. 0918 Rev.A; Upgrade No.2 Garmin GNS430W software to Version 3.30. GNS430W P/N 011-01060-40, S/N 97125634
- 3 Swapped No.1 and No.2 Garmin Navigators for troubleshooting; re-configured for current positions.
- 4 Affixed NOAA/SARSAT sticker to Satellite ELT; expires 6/2011.

I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney

DATE: 8/27/2009

SIGNED:

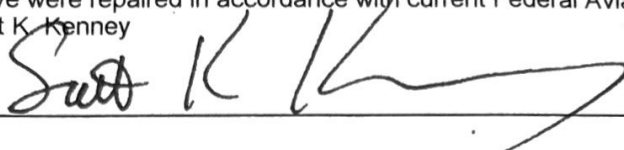
Ed Wakefield
Certified Repair Station No. T9ZR725Y

Work Order: 4244

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INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
MAKE: Cirrus MODEL: SR22 S/N: 1361 REG. NO: 809RJ WORK ORDER: 4306	Troutdale Aircraft Services, Inc. Repair Station No. T9ZR725Y 1250 NW Perimeter Way Troutdale, OR 97060 USA Phone: 503-666-3838	DATE: 10/21/2009 A/C TSN: 533 5 HOBBS: 533 5
Airframe Entries		
1	C/W Forced Aeromotive Technologies SB SR22-9-09-001 SR22 Supercharger Automatic Belt Tensioner. Engine was ran and OK.	
2	Removed WX500 mount and connectors. Inspected wiring and config jumpers. Removed MFD and continuity check MFD to WX500 and all connectors in between. Talked with Avidyne four times before learning of software revision to fix this problem. Release expected in Nov.	
3	Removed pilots grab here placard and sent to have duplicated onto new surface due to multiple failures of adhesive. Installed new placards.	
4	Inspected pilots eye ball light due to report of malfunctioning operation, Found assy. broken. Installed new light assy. Ops checked and OK.	
5	Replaced RH white position lamp with new. OPS checked and OK.	
6	Repositioned and chafe protected breather hose at air oil seperator.	
I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney		
DATE: 10/21/2009	SIGNED: 	Work Order: 4306
	Scott Kenney Certified Repair Station No. T9ZR725Y	Printed by EBis 3 (datcomedia.com)