

113



*The Standard*

# AIRCRAFT LOG

AG-31-

**Aircraft Record** General Information

Manufacturer Cessna Model 177RG  
Serial 177RG-0564 Registration Number 1948B  
Date of Manufacture 1974

Engine(s) currently installed:

Manufacturer Lycoming Model IO-360-A1B6D Serial L-21323-51A  
Manufacturer \_\_\_\_\_ Model \_\_\_\_\_ Serial \_\_\_\_\_

Propeller(s) currently installed:

Manufacturer McCawley Model B2D34C 207  
HUB Model B2D34C 207 Serial 76367 Serial \_\_\_\_\_  
Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_  
Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

N1948B



**SpanaFlight**

16705 103<sup>rd</sup> Ave. Ct. E.  
PUYALLUP, WA 98374  
(253) 848-2020



September 01, 2011 TACH: 332.6 TAT: 2748.6

Completed an annual inspection this date. Removed battery, charged and load checked, ok. Stop drilled a few small cracks in the wing tips. Installed large area washers under the screw heads. Treated some minor surface corrosion on the rear avionics shelf by applying Corrosion X to the area. Replaced two rivets in the pilots inboard seat rail. Replaced the Beacon switch and both receptacles. Replaced the fuel sediment bowl plunger shaft. Replaced the Bracket induction air filter element. Replaced the ELT batteries, new expiration date is 9-13. C/W FAR 91.207 by a visual inspection and ops test, ok. C/W AD 76-07-12 R1 by an ops test, ok. C/W AD 2011-10-09 by a visual and dimensional inspection, ok. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Signature

A&P no

604242935 2A

10-24-2012. N1948B Tach: 332.8 hrs. AFTT: 2748.8 hrs. Hobbs: 26.7 hrs.



**SpanaFlight**

16705 103<sup>rd</sup> Ave. Ct. E.  
PUYALLUP, WA 98374  
(253) 848-2020



Performed an Annual Inspection in accordance with Cessna maintenance manual. Replaced right tire tube with new; serviced nose strut with nitrogen to specifications; C/W FAR91.207d ELT test/inspection; C/W AD2011-10-09 seat/rails inspection; C/W AD2008-14-07 fuel injection lines. This Aircraft is in compliance with an Annual Inspection, current Federal Aviation regulations is in an airworthy condition and is returned to service.

Michael Bateman AP36459021A

The following altimeter(s) and associated static pressure system and automatic pressure altitude data reporting system have been inspected and are in compliance with CFR §91.217, §91.411, §43 appendix E.

	Serial Number	Altimeter tested to (feet)
L	United	20K
R		

See Soloy LLC, Inc. work order No. 16000722 for pertinent details of maintenance performed.

Signature	
Date	10/26/12
Aircraft TT	333.0

Soloy LLC • 450 PAT KENNEDY WAY, S.W. • OLYMPIA, WA 98501-7298  
FAA CRS HP6R595N

The following ATC transponder(s) have been inspected and are in compliance with CFR §91.413, and §43 appendix F.

Make	Model	Serial Number
King	KT-76A	88930

See Soloy LLC, Inc. work order No. 16000722 for pertinent details of maintenance performed.

Signature	
Date	10/26/12
Aircraft TT	333.0

Soloy LLC • 450 PAT KENNEDY WAY, S.W. • OLYMPIA, WA 98501-7298  
FAA CRS HP6R595N

N1948B

**SpanaFlight**  
16705 103<sup>rd</sup> Ave Cl. E.  
PUYALLUP, WA 98374  
(253) 848-2020



December 15, 2014 TACH: 333.1 TAT: 2749.1  
Completed an annual inspection this date. Serviced and charged battery, load tested ok. Replaced hobbs meter. Cleaned, treated and primed a small area of corrosion near the right wing root and one small patch on the left flap. Adjusted the NLG up proximity switch, swung gear through several cycles both normal and emergency swings, ok. Corrosion X treated the wings and tail. Cleaned, treated, primed and painted the rudder pedals. Replaced the Bracket induction air filter element. Replaced the ELT battery, new expiration date is 7-16, C/W FAR 91.207 by a visual and operational inspection of the ELT. C/W AD 76-07-12R1 by an operational test of the ignition switch. C/W AD 2011-10-09 by a visual and dimensional inspection of the seats and rails. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Signature A&P no 364902-1/A

YEAR:	RECORDING TACH TIME	T
_____		
DATE		

The Transponder Tests and inspections required by FAR part 91.413 have been completed and meet the requirements of FAR part 43, appendix F.

The Altimeter test and inspections required by FAR part 91.411 have been completed and meet the requirements of FAR part 43, appendix E. W/O: 141202-1 Date: 23 Jan 2015  
 Spencer Avionics FAA CRS 1RWR197C  
 16911 103rd Ave E.  
 Puyallup, WA 98374

*Gary Healy*

**Alterations**

3 Number of Technician or Repair

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Aviation Plus LLC  
 262-656-1260  
 Aviationplusllc.com

12/04/15 N1948B Tach. Time 337.7  
 Repaired gear saddles by replacing lining .

*Robert Russell*  
 Robert Russell 3411885IA


N1948B

**SpanaFlight**

16705 103<sup>rd</sup> Ave Ct. E.  
PUYALLUP, WA 98374  
(253) 848-2020



February 23, 2016 TACH: 337.7 TAT: 2753.7

Completed an annual inspection this date. Fabricated two new NLG forward gear door hinge brackets. Installed a new ignition switch and cabin door and baggage lock set. Replaced the spinner with a composite spinner from TCB Composite Co per STC SA01164AT, see 337 dated 12-18-15. Modified the left hand forward muffler support per Cessna SE77-35. Repaired a broken shield ground wire on the P lead for the right hand magneto. Secured the inner wire on the Scat duct for the fresh air pick up on the muffler shroud. Sent out both MLG saddles for new linings, re-installed after repair and checked rigging, ok. Straightened the NLG uplock hook. Replaced both the NLG actuator hoses, bleed hoses. Installed a missing wire tie on the NLG door retract rod arm. Replaced the NLG uplock bolt, checked and rigged as needed per manual. Replaced the landing gear circuit breaker. Cleaned the hydraulic power pack screen and serviced the reservoir. Performed several normal and emergency gear swings, ok. Removed pilots door upholstery to lube the cabin door handle overcenter mechanism. Installed missing knob for the copilot's door cabin heat valve. Removed the stabilator and drilled out the original counter weight arm brackets and installed stainless steel brackets per Cessna SEB89-1 R3. Re-installed stabilator and checked rigging. Fabricated a new fuel vent line above the headliner. Rotated a hose clamp on the muffler heater inlet duct to protect the mount. Replaced several missing or worn flap chaff buttons. Corrosion X treated the wings. Re-routed one oil cooler hose to prevent chaffing on a firewall angle. Cleaned, treated and primed corrosion on each root panels and a small area of the cabin floor. Replaced both fuel cap o-rings. Stop drilled a couple small cracks in the rudder cap. Replaced the dome light bulb. Vacuumed mouse droppings in the aft fuselage. Replaced the vacuum regulator filter. Tightened the power supply panel nut. Removed fabric from the right hand side of the instrument panel and re-glued a small trim piece. Removed Cessna original sun visors and installed Rosen sun visors per STC SA4964NM, see 337 dated 12-18-15. Replaced the NLG inner tube and packed the bearings on each wheel. Removed the original oil cooler and installed a larger oil cooler, this installation is a common modification per the cardinal Flying Club, see field approved 337 dated 12-18-15. Replaced the baffle seal material that wraps around the oil cooler cooling duct. Installed Merlin Alpha Systems Angle of Attack system AOA kit (DSTR-AOA-9900K). Mounted probe in a non-structural panel in the left wing, routed two lines to a central computer mounted in the headliner. Routed four small wire bundles along the left forward door post frame to the two small displays mounted in the pilots panel. Wired into the avionics bus and audio system. Installation was completed per Alpha Systems installation instructions P#AOA-9050-Merlin dated 5-8-15. Replaced the Bracket induction air filter element. C/W FAR 91.207 by a visual and operational test of the ELT. C/W AD 2011-10-09 by a visual and dimensional inspection of the seats and rails. C/W AD 76-07-12R1 by an operational test of the ignition switch. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Signature [Signature] A&P no 968014 EA



YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
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Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair

DATE

MAKE: CESSNA  
 MODEL: 177rg  
 S/N: 177RG0564  
 REG. NO: N1948B  
 WORK ORDER:  
 9292-08-2016



**Lone Mountain Aviation, Inc.**

Repair Station No. L9OR473Y  
 2830 N. Rancho Dr. Suite A  
 Las Vegas, NV 89130  
 Phone: (702) 309-2200

DATE: 9/13/2016  
 A/C TSN: 2836.3  
 TACH: 420.3

**Airframe Entries**

Tachometer check reads as follows:

Tach reads / Tester reads

1000 / 960

1500 / 1440

2000 / 1920

2400 / 2340

Complied with ELT inspection per 91.207 (D). Operational check was good with no defects noted. Battery Due: Oct 2018.

Disassembled left main wheel removing worn tire P/N 156E66-1, S/N 72441908 and installed new tire P/N 061-501-0, S/N 4321S00110, and new tube P/N GL-1520B.

Disassembled right main wheel removing worn tire P/N 156E66-1, S/N 62631569 and installed new tire P/N 061-501-0, S/N 4331S00078, and new tube P/N GL-1520B.

Disassembled nose wheel removing worn tire P/N 505C46-1, S/N 53400954 and installed new tire P/N 505C66-5, S/N 60712217 and new tube P/N 06-00019. Wheels assembled and installed IAW Cessna 177RG AMM section 5.

The aircraft and/or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above W.O. number.

DATE: 9/13/2016

SIGNED:

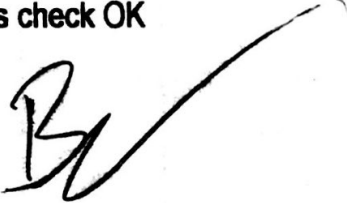
*Eric Hubbert*

Work Order: 9292-08-2016

Hubbert, Eric  
 Certified Repair Station No. L9OR473Y

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YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10/20/2016	Tach Time – 439.6			Installed wing mirror for gear inspection – W210106-6 – STC #SA2791CE. Replaced aircraft battery with new Gil RG-35AXC - STC #SA00897WI, ops check OK    William J Knudson - Private Pilot #3847849

YEAR:	RECORDING TACH TIME	TODAY'S 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
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DATE

MAKE: Cessna  
 MODEL: 177RG  
 S/N: 177RG0564  
 REG. NO: N1948B  
 WORK ORDER: 0341



**Eric's Leading Edge, Inc.**  
 4196 South Airport Pkwy #2D  
 St George, UT 84790 USA  
 Phone: 435-674-4068

DATE: 11/3/2016  
 A/C TSN:  
 TACH: 133.9

**Airframe Entries**

- (1) Removed the KR-85 ADF Receiver, KI-225 ADF Indicator, KA-42 ADF Loop Antenna, & ADF Sense Antenna.
- (2) Relocated the chronometer to previous ADF indicator location with existing AN hardware.
- (3) Removed and replaced fuel senders with new TSO'd CIES Incorporated p/n CC2840220601-101 with new tefzel wire IAW CIES Incorporated Document number: CC-TR-2840-029 Rev F.
- (4) Installed Aerospace Logic FL202D Fuel Level Indicator IAW STC SA02825NY. See FAA form 337 for installation details, approval, and ICA information.
- (5) Removed and replaced blown fuse on the ground power circuit with new AGC5.
- (6) Removed alternator and installed a FAA PMA'd Plane Power AL12-F60 IAW Plane Power Ltd. Installation instructions 10-4001 dated 2/15/05. Instructions For Continued Airworthiness contained in same document and placed with the aircraft permanent records.
- (7) Updated aircraft weight & balance/equipment list.

**Maintenance Release**

The aircraft and/or component(s) on N1948B was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair facility under Work Order No. 0341, Dated 11/3/2016.

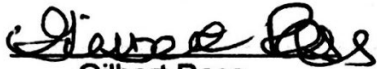
DATE: 11/3/2016

SIGNED: *[Signature]*  
 Eric Husted, IA: 27077211A

Work Order: 0341

Printed by EBis 3 (datcomedia.com)

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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<b>December 5, 2016</b>	<b>Work order # 4828</b>	<b>N1948B</b>
<b>A/C: Cessna 177RG</b>	<b>S/N: 177RG0564</b>	<b>TACH/HOBBS: 453.2/133.9</b>
<p>Removed Bendix/King KT-76A transponder. Installed Appareo ESG transponder P/N 153510-000017 S/N 070934-070943 in place of removed equipment. Installed Stratus S-2 interface in lower center console. Installed GPS antenna on upper fuselage. Tested system in accordance with FAR 91.227 and AC-43 appendix e. Submitted FAA form 337. Flight tested and verified operation. Checked compass compensation and updated equipment list.</p>		
<p><b>Black Mountain Avionics</b>  <b>1411 Airport Road</b>  <b>Boulder City, NV 89005</b>  <b>702-294-1044</b></p>		 Gilbert Ross CRSLVBR789X
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YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S 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.)

PERFORMED ATC TRANSPONDER TEST AND INSPECTION. THE SYSTEM(S)  
 INSTALLED COMPLY WITH THE REQUIREMENTS OF FAR 91.413 & APPENDIX F OF  
 FAR 43. ADS-B OPERATION COMPLIES WITH FAR 91.227.

ACFT. REG: N1948B TACH/HOBBS: 453.2/133.9 W.O.# 4828  
 TXPDR#1 MANUFACT: Appareo MODEL# Stratus ESG S/N: 070934-070943  
 TXPDR#2 MANUFACT: N/A MODEL# N/A S/N: N/A

DATE OF TEST: December 5, 2016 INSPECTOR: [Signature]

*Black Mountain Avionics  
 1411 Airport Road  
 Boulder City, NV 89005  
 CRS LVBR789X  
 702-294-1044*

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YEAR: \_\_\_\_\_  
 DATE \_\_\_\_\_

RI  
T/  
TI

**AVIATION SERVICES GROUP, LLC.**  
 PO Box 910192 St. George, UT 84791  
 (435)674-1000/Fax: (435)628-9577  
*Thank you for choosing ASGI*

DATE: 4/7/2017  
 REG #: N1948B  
 MODEL: C177RG  
 A/C S/N: 177RG0564  
 TT: 2887.9  
 TACH: 471.9

ENG S/N: L-21323-51A  
 ENG TT: 3943.05  
 ENG TSOH: 143.8  
 PROP S/N: 763671  
 PROP SOH: 186.4

**ms**  
 of Technician or Repair

Inspected and serviced in accordance with Cessna Cardinal RG Maintenance Manual's 100 Hour Inspection Guide. Inspected ELT per FAR 91.207d no defects found. C/W AD2011-10-09 by visual inspection and replacing all seat rails using McFarlane PMA Seat Rails. Installed new instrument panel covers and several interior plastic parts. Removed Cessna Fuel Gauges. Inspected and lube right door latching mechanism. C/W AD 76-07-R1 Bendix Magneto Switch inspection by operation check no defects found. I certify that this aircraft has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in airworthy condition.

  
 Duane Adams A&P IA






YEAR:

WO: 15244

Airframe - page 1 of 3



Aviation Services Group, LLC - 4196 S Airport Pkwy #52G - St. George, Utah 84790 - (435)674-1000

DATE

repair

**N1948B**  
Tach: 129.2

**Cessna, 177RG, S/N: 172RG0564**  
ACTT: ~~3600.9~~ *9135.7* *hw*

**November 1, 2019**

1. Inspected and serviced per Cessna 177RG maintenance manual's 100 guide
2. Open inspection panels.
3. Inspected seat rail and seat attachment per AD 2011-10-09 no defects found.
4. Inspected ignition switch per AD 76-07-12R1 no defects found.
5. Complied with far 91.207d ELT function check and inspection. Function checked good.
6. Replaced ELT battery next due at, Oct,2021, New Batt. pack P/N 11-17945,.
7. T/S Radio rheostat Pops Circuit breaker at full travel. Re worked wiring to rheostat.
8. Re-index rudder trim indicator on trim spool.
9. Removed door mechanism, removed inner door trim, installed door handle stop, replaced door trim.
10. Install new cabin door lock tumbler.
11. Replace cowl flap hinge.
12. Remove broken bulk head cover, removed insulation from damaged cover, drilled 5 holes to fit insulation to new bulkhead cover, trimmed bulkhead cover to fit aft bulkhead opening.
13. Replaced left main tire. 15 x 600 6pr Flight special 2 Installed
14. Cleaned cowl flap. Installed after replacement of hinge.




<b>DATE</b>	wo: 15244				
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Aviation Services Group, LLC - 4196 S Airport Pkwy #52G - St. George, Utah 84790 - (435)674-1000

15. Replaced right cowl flap forward hinge.
16. Removed Electrical wires between rudder control cable and pulley above pilot's right rudder peddle and secured out of the way.
17. Turned bolt on right outboard seat belt in other direction.torqued seat operation normal.
18. Replaced nav light switch 06-00991, function check nav light good.
19. Removed right wheel cylinder,cleaned inspected,replaced orings part # MS28775-224,reinstalled wheel cylinder,torqued all fasteners,bled system,operational check good..
20. Removed left wheel cylinder,cleaned inspected, replaced orings part #MS28775-224,reinstalled wheel cylinder,torqued all fasteners bled system, operational check good.
21. Repaired nose gear door disassemble and inspect, Installed .032 doubler on L/H side fwd. nose gear door pivot,Installed new hinges and brackets on both sides P/N 's 2052009-1 & 2052009-2,\$ ea new bearings P/N S1896-4- LJ,new grommet MS35489-34. Installed (2) MS20392-3C63 - Clevis Pin, Installed (5) MS35489-34 - Grommet, Installed (1) 2052009-2 - Hinge, Installed (1) 2052009-1 - Hinge.
22. Investigated dampener,no leaks seen from operating ends.Other than engine oil.
23. Inspected air filter,Replaced element with new P/N BA-5705 - Filter Element.
24. Repair lord mount support, removed broken material,fabricated doubler plate from .060 aluminum,attached with #8 machine screws and fiber lock nuts,Installed new Lord mount P/N 07-01118.
25. Remove right lower cowling lord mount, Installed new Lord Mount,P/N 07-01118 (J-7444-14) Installed (1) J-7444-14 - Mount - Cowl.





YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair</small>
DATE	wo: 15489			<div style="text-align: right;">Airframe - page 1 of 1</div> <div style="text-align: center;">  <p>Aviation Services Group, LLC · 4196 S Airport Pkwy #52G · St. George, Utah 84790 · (435)674-1000</p> </div> <p><b>N1948B</b> tach: 238.4</p> <p><b>Cessna, 177RG, S/N: 172RG0564</b> ACTT: 3244.9</p> <p style="text-align: right;"><i>RA</i> <del>October-25, 2020</del> November 12</p> <ol style="list-style-type: none"> <li>1. Inspect and service per Cessna C177RG Maintenance Manual's 100 Inspection Guide Installed (1) BA-5705 - Filter Element.</li> <li>2. Complete normal and emergency landing gear retraction and extension tests.</li> <li>3. Inspect seat rails and seat attachments per AD 2011-10-09 no defects found next due at tach 338.4.</li> <li>4. Inspected ELT per FAR91.207d no defects found next due Oct.2021 ELT Battery due 10/2021.</li> <li>5. Repaired mount of Stratus 3i unit behind instrument panel on right side of aircraft.</li> <li>6. Removed autopilot and reinstalled following update by Mid-Continent Instruments and Avionics Removed, Sent for Repair, Reinstalled (1) 8000- 175 - AeroCruze 100 Flat Pack, S/N: 19078025.</li> </ol> <p>I certify that this aircraft has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in airworthy condition</p> <p>Duane Adams IA 3814706 <i>Duane Adams</i></p>

YEAR:	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
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DATE

Airframe - page 1 of 1

Technician or Repair

wo: 15568



Aviation Services Group, LLC - 4196 S Airport Pkwy #52G - St. George, Utah 84790 - (435)674-1000

<b>N1948B</b> tach: 259.9	<b>Cessna, 177RG, S/N: 172RG0564</b> ACTT: 3266.4	<b>March 10, 2021</b>
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1. Removed air box, cleaned and manufactured new alternate air door. Primed repair air box with chromate primer.
2. Reassemble and reinstall air-box.
3. Installed new cowl flap control cables. Installed (2) S1391-27 - Cowl Flap Control Cable, C-177.

With respect to the work performed, this aircraft was approved for return to service.

Duane Adams IA 3814706 *Duane Adams*

**Date:** 12/16/2021      **Hours:** ACTT: 3307.8; Tach: 301.3; EngTT: 4363 SMOH: 563.7      **Tail:** 1948B  
**Make:** Cessna      **Model:** 177RG      **S/N:** 177RG-0564  
**Name:** LaDell Bistline Sr.      **Cert:** AP3273481IA  
**Co:** Westwing Aviation      **Signed:** *LaDell Bistline Sr.*

Performed annual inspection.  
Removed hydraulic gear selector valve and replaced one packing, pn, MS28775-022. Replaced 4 packing, pn, MS28778-004. Reinstalled valve, recycled gear, tested emergency extension, refilled hydraulic reservoir.  
Found squat switch not making proper contact. Fabricated and installed .025 in. shim under switch. Gear retraction then performed properly.  
Adjusted rudder trim indicator which was limiting left rudder trim wheel travel.  
Replaced ELT battery with pn BP1010 for Narco ELT10 and performed annual inspection on ELT IAW FAR 91.207(d). No discrepancies found.  
Replaced engine compartment left side heater hose with Scat 10.  
Replaced Brackett engine air filter element with pn BA-5705.  
CW AD 11-10-09, effective date 6-17-2011, by inspecting seats and seat tracks. No discrepancies found. AD due again at tach 401.3 or next annual inspection, whichever comes first.  
Ignition switch found to be ACS Products model #A510-9. AD 76-07-12R1 is not applicable to this switch.  
I certify that this aircraft has been inspected in accordance with and annual inspection and was found to be in an airworthy condition.