

THE **adlog**<sup>TM</sup> AIRCRAFT  
MAINTENANCE  
RECORDKEEPING  
SYSTEM

**AIRFRAME  
MAINTENANCE  
RECORDS**



# AIRFRAME MAINTENANCE RECORDS

Log No. 4

Aircraft Registration No. N712JW

Aircraft Mfg. CESSNA Model 421A Serial No. 421A-0128

\*1 Engine Mfg. Continental Model G7310-520-D Serial No. 219477-R  
~~188485-8-D~~  
2 Engine Mfg. Continental Model G7310-520-D2B Serial No. 1001377R  
~~188880-71D~~  
~~219488-R~~

Propeller Mfg. M<sup>c</sup>CAULEY Model 3AF37C516 Serial No. 971371

Hub Design No. \_\_\_\_\_ Hub Serial No. \_\_\_\_\_  
Blade Design No. -9 $\phi$ LFB- $\phi$  Blade Serial No.'s. RF $\phi$ 21  
RF $\phi$ 32  
RF $\phi$ 36

Propeller Mfg. M<sup>c</sup>CAULEY Model 3AF37C516 Serial No. 971540

Hub Design No. \_\_\_\_\_ Hub Serial No. \_\_\_\_\_  
Blade Design No. -9 $\phi$ LFB- $\phi$  Blade Serial No.'s. RH $\phi$ 08  
RH $\phi$ 14  
RH $\phi$ 19

(All applicable information must be filled in)

Hobbs 174.0 Total Time 2582.0

This aircraft is being inspected per Cessna factory inspection program current as of this date.

WORK PERFORMED—  
OF PERSON PERFORMING WORK

*Alan Spencer*

A&P 523412198 4-11-98

4-11-98 2582 174

Time brought forward from previous log book  
Alan Spencer A&P 523412198

4-11-98 2582 174

Hobbs 174.0: Serviced and inspected Aircraft in accordance with Cessna Service manual. Installed alternators P/N ALV9510 S/N Left = A79521, S/N right = A117020. Resealed left and right main gear struts. Installed following new parts: Left and right main tires. Fuel tank assemblies' P/N 5026102-4 R/H Aux. outboard, P/N 5026002-8 R/H Aux. inboard. Fuel cap o-rings. Left and Right Gear pressurization boots P/N 9910011-1. R/H wing surface deice boot P/N 23S2074-1-2. L/H elevator deice boot P/N 23S2074-2-1. Heater fuel pump assembly P/N 9910004-3. C/W AD 90-2-13 Main landing gear bearings by visual inspection, Next due at Hobbs 1174. C/W AD 96-20-7 heater decay test. Gear swing check good. All work done in accordance with Cessna Service manual. I certify that this aircraft has been inspected in accordance with a 100hr inspection and has been determined to be in an airworthy condition at this time

*Alan Spencer*

A&P 523412198 4-11-98

9-20-99 2625.9 217.9

Hobbs 217.9: Serviced and inspected Aircraft in accordance with Cessna Service manual. Installed following new parts: Static line from rear pressure bulkhead to instrument panel. Two floor pressure seals P/N CM3575-3. Emergency escape door seal and aft pressure bulkhead seals P/N R581559. Right prop governor control cable rod end P/N S1105-3. Pitot air line from tube to forward pressure bulkhead. C/W AD 72-2-1 Propeller nuts torque check. C/W AD 96-20-7 by pressure decay check and installation of pressure switch P/N 94E42-1. Repetitive inspection of switch eliminated. Disassembled, cleaned, inspected and reassembled per Service manual chapter 5-12 thru 5-13 next due Hobbs 1217.9. Gear swing check good. All work done in accordance with Cessna Service manual. I certify that this aircraft has been inspected in accordance with a 100hr inspection and has been determined to be in an airworthy condition at this time.

*Alan Spencer*

A&P 523412198 9-20-99

9-20-99 2625.9 217.9

Hobbs 217.9 I certify that this Aircraft has been inspected in accordance with an Annual inspection and has been determined to be in an airworthy condition at this time.

*Will Spitz*

3875893661A

SUB-TOTAL !!

10-15-99 Aircraft weighed this date see weight & balance form in back of log book. Next due 10-2002

TOTAL—Carry

Alan Spencer A&P 523412198

*Alan Spencer*

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			
12-28-99	2648.6	240.6	<p>*****</p> <p>LOGBOOK ENTRY Dated 12/28/99 Cessna model 421A reg #N712JW</p> <p>Installed S-Tec model 55 autopilot system and removed Honeywell H14 autopilot per 337 this date. WT and Bal and equipment list amended. FAA CRS PE5R/16N.</p> <p>Signed <u>Alan Spencer</u> For Denver Avionics Inc.</p> <p>*****</p>
12-30-99	2649.1	241.1	<p>12-30-1999 Hobbs=241.1 Inspected and repaired interior furnishings as necessary. Then reinstalled interior recovered by owner operator. All materials conform to Federal Aviation Specification 25.8530. Copy of material specifications in rear of logbook. Following pieces not reinstalled-</p> <ul style="list-style-type: none"> <li>Left and right folding tables &amp; armrests</li> <li>Refreshment center</li> <li>110 Volt Shaving Inverter</li> </ul> <p>Weight &amp; balance/ Equipment list revised.</p> <p>Alan Spencer A&amp;P 523412198 <u>Alan Spencer</u></p>
12-3-00	2649.1	241.1	<p>1-3-2000 Hobbs=241.1 Removed Oxygen Bottle, Hydrostatic tested, reinstalled, serviced and leak checked. Next due December 2004. Removed left and right engine 3 in 1 gauges. Installed Overhauled units part #18C452-1 S/N left= 99HR329 S/N right= 99HR328. Removed and replaced Vacuum gyro filter, next due 741.1.</p> <p>Alan Spencer A&amp;P 523412198 <u>Alan Spencer</u></p>
3-31-00	2665.8	257.8	<p>3-31-00 Hobbs Time=257.8 Installed Shadin DIGIDATA Flight data computer and fuel flow transducers per 337's dated this day. Removed Halon fire extinguisher and replaced with New Halotron 1 fire extinguisher.</p> <p>Alan Spencer A&amp;P 523412198 <u>Alan Spencer</u></p>
SUB-TOTAL			4-01-00 Hobbs Time= 258.3 Performed flight test of aircraft. All avionics and flight data computer check satisfactorily.
TOTAL—Car			Alan Spencer A&P 523412198 <u>Alan Spencer</u>



DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<b>TOTAL</b> brought forward from previous page			
			<p>4-25-2000 Hobbs Time= 258.3 Serviced and inspected instrument &amp; pneumatic deice system (lines, pumps, filters), repaired or replaced as necessary. Filter part number: D9-15-5 airborne filter. Serviced and inspected all fuselage pressurization seals &amp; valves (door seal, emergency escape hatch seal, storm window seals, landing gear drive tube seals, control cable seals, safety valve, outflow valve, dump valve, ram air valve, safety valve filter, outflow valve filter, variable pressure controller filter) repaired or replaced as necessary. Landing gear boot seal Part # 9910011-1, Ram air valve seal part # MS 28775-342, control cable seals part # S11K4R, S11K3A. Serviced and inspected cowl flaps &amp; actuators, repaired or replaced as necessary. Serviced and inspected beacon &amp; nav light system, repaired or replaced as necessary. Lamp part # A-7079B-24, FS 4400 strobe assembly. Installed new Flight Hour Recorder air switch with new. Air switch Part # S1498-2</p> <p>William Schwarz A&amp;P 387589366 <i>William Schwarz</i></p>
			<p>July 3, 2000 Hobbs 290.5</p> <p>Jacked aircraft &amp; removed both main tires. Cleaned, inspected wheels &amp; brakes. Repacked wheel bearings. Installed 2 new Goodyear Flight Custom II 6.50x10 – 10 ply tires. Leak checked tires &amp; returned aircraft to service.</p> <p>William Schwarz 387589366 A&amp;P <i>William Schwarz</i></p>
7-25-00	2709.0	361.0	<p>7-25-2000 Removed and replaced left and right alternators. Installed overhauled units part # ALV 9510. Serial numbers installed - left 929B, right A79521. Removed and replaced left and right vacuum pumps, part number 3P207JA. Serial numbers installed – left 06849, right 15147. Operational checks good. Installed new O rings on All fuel caps, part # MS 29513-330. All work done in accordance with Cessna service manual.</p> <p>Alan Spencer A&amp;P 523412198 <i>Alan Spencer</i></p>
<b>SUB-TOTAL</b> this page			
<b>TOTAL</b> —Carry forward to next page			

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			
9-2-00	2721.0	313.0	<p>9-2-00 Hobbs Time = 313.0 Aircraft Total Time = 2121.0                      Serviced and inspected aircraft in accordance with Cessna model 421 service manual. Complied with all 50, 100, &amp; 200 hour inspections. Complied with the following special inspections 500 hour cabin Pressurization inspection &amp; 1200 hour type A cabin pressurization inspection, 1000 hour forward wing spar web inspection, both 100 Hour type A &amp; 1200 hour type B wing &amp; stub inspections, 50 hour Fuel selector inspection, 400 hour starter relay contact inspection, 3 Year nose landing gear pivot bearing inspection and lubrication. Complied with AD 72-2-1 propeller attach nuts. Complied with AD 2000-1-16 exhaust system inspection. Complied with 100 hour fire Extinguisher inspection. All work done in accordance with Cessna Model 421 service manual and the aircraft is returned to service.  <i>I certify that this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition at this time.</i>                      Alan Spencer 523412198 IA <u>Alan Spencer</u></p>
9-15-00	2723.8	315.8	<p>9-15-2000 Hobbs Time = 315.8                      Removed and replaced left and right 3 in 1 gauges. Installed Part # 22-801, S/N 188, 186. Operational checks good. See yellow tags in back of book.                      Alan Spencer A&amp;P 523412198 <u>Alan Spencer</u></p>
9-18-00	2723.8	315.8	<p>9-18-2000 Hobbs Time = 315.8                      Weighed aircraft this date per Cessna service manual. See weight &amp; balance paperwork in logs. Complied with MEB00-3 by inspection of seats and installation of placards.                      Alan Spencer A&amp;P 523412198 <u>Alan Spencer</u></p>
			<p>N712JW 10-6-2000 Hobbs Time = 327.0                      Removed and replaced right hand inboard aux fuel tank per Cessna 421 service manual Section 11 page 8. Installed part number 5026002-8 serial number 225. Leak check good. Installed left and right control wheel push to talk placards. Installed control wheel steering Placard on pilots control yoke. Installed placard on ELT Remote unit below throttle quadrant.                      Alan Spencer A&amp;P 523412198 <u>Alan Spencer</u></p>
			<p>11-15-2000 Hobbs Time = 353.9 Total Time = 2761.9                      Removed and replaced right tach generator. Installed part number- 22A667 serial number- 6251. Operational check good.                      Alan Spencer A&amp;P 523412198 <u>Alan Spencer</u></p>
			<p>TOTAL—Carry forward to next page</p>

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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2-10-2001 Hobbs Time = 375.5 Total Time = 2783.5

Resealed left and right main struts. Complied with AD 90-2-13 by visual inspection of bearings, next due 1375.5. Repaired left engine magneto P lead. Replaced inoperative instrument lamp, part number GE 327. All work done in accordance with Cessna service manual. Aircraft returned to service.

Alan Spencer A&P 523412198

*Alan Spencer*

2-11-2001 Hobbs Time = 375.5 Total Time = 2783.5

Removed inoperative overhead headset jacks.

Alan Spencer A&P 523412198

*Alan Spencer*

4-10-2001 Hobbs Time = 398.2 Total Time = 2806.2

Serviced and inspected aircraft in accordance with Cessna model 421 service manual. Removed and replaced left gear outboard door hinge. Tightened left and right main gear torque links.

Complied with AD 2000-1-16 par (b) by visual inspection, next due 448.2

Complied with AD 72-2-1 by torque check, next due 498.2

***I certify that this aircraft has been inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition at this time.***

Alan Spencer A&P 523412198

*Alan Spencer*

4-11-2001 Hobbs Time = 398.2 Total Time = 2806.2

Complied with AD 96-20-7 by pressure decay test, next due Heater hobbs 280.2, 4-2003

Alan Spencer A&P 523412198

*Alan Spencer*

9-28-2001 Hobbs Time 435.3 Total Time 2843.3

Serviced and inspected aircraft in accordance with Cessna 421 service manual.

Removed and replaced left and right inboard gear door seal.

Serviced left and right brake master cylinders with 5606 hydraulic fluid.

Cleaned left and right fuel drain screens.

Complied with AD 72-2-1 by torque check, next due 535.3

Complied with AD 2000-1-16 par (b) by visual inspection, next due 485.0

Complied with AD 01-17-13 by visual inspection and special visual inspection.

***I certify that this aircraft has been inspected in accordance with an Annual inspection and has been determined to be in an airworthy condition at this time.***

Alan Spencer 523412198 IA

*Alan Spencer*



5-4-2002 Hobbs Time 464.0

Removed and replaced right main tire part number 6.50x10 10 ply Flight Custom II.

Alan Spencer A&P 523412198

*Alan Spencer*

TOTAL—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<b>TOTAL</b> brought forward from previous page			
8-2-2002	Hobbs Time 464.0	Total Time 2872.0	Removed and replaced hobbs meter. New meter reads 0.0.  Alan Spencer A&P 523412198 
9-7-2002	Hobbs time 19.6	Total Time 2891.6	Removed and replaced left main tire with new Flight Custom 2, 6.50-10 tire. Cleaned, inspected, and repacked bearings.  Jeff Peterson A&P 265570581 

10-31-2002 Hobbs Time 42.9 Total Time 2914.9

Serviced and inspected this aircraft in accordance with Cessna 421 service manual.

Removed and replaced left tip tank circulating pump.

Resealed left and right brake calipers.

Removed and replaced left main down lock arm bushings. Performed landing gear retraction test.

Removed and replaced left cowl flap transmitter.

Inspected ELT in accordance with FAR 91.207 par c, d.

Complied with Oxygen bottle inspection, next due 10-2003

Complied with Fire extinguisher inspection, next due 10-2003

Complied with 200 hour inspection, next due 242.9

Complied with Wing &amp; stub wing type A inspection, next due 242.9

Complied with AD 72-2-1 by torque check, next due 142.9

Complied with AD 84-26-2 by replacement of paper induction filter, next due 542.9

Complied with AD 00-01-16 par b by visual inspection, next due 92.9

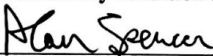
par c by removal and inspection, next due 10-2003

par d by inspection, next due 542.9

par e P/C/W 9-20-99 by new exhaust, next due 9-2004

par f P/C/W 9-28-01 engine total time 217.4, next due 717.4

par g P/C/W 9-20-99 engine total time 0.0, next due 2500.

**I certify that this aircraft has been inspected in accordance with an Annual inspection and has been determined to be in an airworthy condition at this time.**Alan Spencer 523412198 IA 

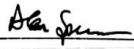
4-30-2003 Hobbs Time 70.2 Heater Hobbs 280.2

Complied with AD 96-20-07 by pressure decay test, next due 4-2005/ 380.2 heater hobbs.

Alan Spencer A&P 523412198 

10-15-2003 Hobbs Time 84.0

Weighed aircraft this day. See weight and balance forms same date.

Alan Spencer A&P 523412198 

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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TOTAL brought forward from previous page

10-31-2003 Hobbs Time 88.5 Total Time 296.45

Serviced and inspected this aircraft in accordance with Cessna 421 service manual.  
Cleaned and repacked wheel bearings.

Cleaned fuel screens.

Inspected ELT in accordance with FAR 91.207 par c, d.

Complied with oxygen bottle inspection, next due 10-2004

Complied with fire extinguisher inspection, next due 10-2004

Complied with AD 72-2-1 by torque check, next due 188.5

Complied with AD 00-01-16 par b by visual inspection, next due 138.5

Par c by removal and inspection, next due 10-2004

Par d P/C/W 10-31-2002 42.9, next due 542.9

Par e P/C/W 9-20-99 by new exhaust, next due 9-2004

Par f P/C/W 9-28-01 engine total time 217.4, next due 717.4

Par g P/C/W 9-20-99 engine total time 0.0, next due 2500.0

**I certify that this aircraft has been inspected in accordance with an Annual Inspection and has been determined to be in an airworthy condition at this time.**

Wayne Diggs 458046805 IA Wayne Diggs

11-3-2004 Hobbs Time 124.1 Total Time 299.9

Serviced and inspected this aircraft in accordance with Cessna 421 service manual.  
Cleaned and repacked wheel bearings. Cleaned fuel screens.

Inspected ELT in accordance with FAR 91.207 Par c, d.

Removed and replaced ELT batteries, next due 3-2010.

Complied with oxygen bottle hydrostatic test, next due 11-2009

Complied with fire extinguisher inspection, next due 11-2005

Complied with wing & stub type a inspection.

Complied with AD 72-2-1 by torque check, next due 224.1

Complied with AD 00-01-16 par b by visual inspection, next due 174.1

par c by removal and inspection, next due 11-2005

par d P/C/W 10-31-2002, next due 542.9

par e by pressurization and inspection, next due 11-2005

par f P/C/W 9-28-01 engine total time, next due 717.4

par g P/C/W 9-220-99 engine total time 0.0, next due 2500

**I certify that this aircraft has been inspected in accordance with an Annual Inspection and has been determined to be in an airworthy condition at this time.**

Wayne Diggs 458046805 IA Wayne Diggs

SUB-TOTAL this page

TOTAL—Carry forward to next page

11-05-2005 Hobbs Time 136.6 Total Time 3008.6  
 Serviced and inspected this aircraft in accordance with Cessna 421 service manual.  
 Cleaned and repacked wheel bearings. Cleaned fuel screens.  
 Inspected ELT in accordance with FAR 91.207 Par c, d.  
 Complied with aircraft data computer inspection.  
 Complied with fire extinguisher inspection.  
 Complied with oxygen bottle inspection.  
 Complied with AD 72-02-01 by torque check, next due 236.6  
 Complied with AD 00-01-16 par b by visual inspection, next due 186.6  
     par c by removal and inspection, next due 11/2006  
     par d P/C/W 10-31-2002, next due 542.9  
     par e by pressurization and inspection, next due 11/2006  
     par f P/C/W 9-28-01 engine total time 217.4, next due 717.4  
     par g P/C/W 9-20-99 engine total time 0.0, next due 2500.0  
 Complied with AD 04-21-05 by pressure decay test, next due 11/2006 or 436.6 heat hobb  
 Complied with AD 04-25-16 R1 by inspection and marking, next due 11/2006  
**I certify that this Aircraft has been inspected in accordance with an Annual  
 Inspection and has been determined to be in an airworthy condition at this time.**

Alan Spencer 5223412198 IA Alan Spencer



**LOG ENTRY**

REPAIR STATION #: OMKR399L  
 13251 E. CONTROL TOWER RD., BOX K-12  
 ENGLEWOOD, CO 80112  
 (303) 799-8906

DATE: 12/14/05 TOTAL TIME: 3009.6 HOBBS TACH TIME: 137.6

(N712JW)-Straight Flight, Inc. has accomplished the following: 1) Removed both ailerons, both elevators, rudder assembly, and nacelle structure to gain access for repairs. Installed all flight controls in geometry repair fixture before repairs; 2) Debonded top trailing edges of both horizontal stabilizer de-ice boots for access. Fabricated and installed new right and left upper horizontal stabilizer skins referencing factory parts, P/N:5032000-6, and -5. Reinstalled de-ice boots and sealed in accordance with manufacturers installation procedures; 3) Fabricated and installed new left aileron skin referencing factory part, P/N:502-4000-64. Fabricated and installed new trim tab skin referencing P/N:5024000-59; 4) Fabricated and installed new right aileron skin referencing P/N:5024000-14; 5) Replaced left elevator skins with new factory parts, P/N:5034000-3, -9, and -11; 6) Fabricated and installed new right wing trailing edge skin referencing P/N:5022050-6; 8) Fabricated and installed new left wing trailing edge skin referencing P/N:5022050-5; 9) Fabricated new left and right rudder skin referencing factory parts P/N:5133000-21 (LH) , and -22 (RH). Replaced trim tab rod boot with new P/N:5133016-2; 10) Fabricated and installed new left and right aft horizontal stabilizer wrap around skins referencing P/N:5032000-12, and -11; 11) Removed minor corrosion in left and right horizontal stabilizer center sections; 12) Fabricated and installed new elevator trim tab skin referencing P/N:5034000-9; 13) Mass balanced all effected flight controls after repairs; 14) Installed removed components and adjusted flight control travels. Leak checked nacelle alcohol tank and removed debris from restrictor tee, no leaks noted and operations checked normal. Paint to be accomplished at other facility.  
 All maintenance was accomplished using the standard practices in AC43.13 1B, change dated September 8, 1998, and referencing the Cessna 421A series maintenance manual.  
 Information on these repairs are on file at Straight Flight facility under project #3756. Change to aircraft weight and balance is considered negligible.

Matthew Carlson  
**Matthew Carlson, Inspector, Straight Flight Inc**


SUB-TOTAL this page  
 TOTAL—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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Total Time: 3089.6  
Hobbs/Tach Time: 137.6

**MAINTENANCE RELEASE FOR REPAIR STATION NO# OMKR399L**

STRAIGHT FLIGHT, INC., hereby certifies that the repair for the article identified as the  
( reference log entry ) for the aircraft, Make Cessna

Model 421A, Serial No. 128, and Registration No. N712JW has

been inspected in accordance with Straight Flight's FAA Approved Inspection Procedure Manual, FAR 43.13, and the FAR's governing the operation of the above listed article.

Pertinent details of the repair are on file at this repair station under Project No. 3756

Certified by Inspector: [Signature] Dated 12/14/05

For STRAIGHT FLIGHT, INC. **Repair Station Number: OMKR399L**  
13251 E. Control Tower Rd., Box K-12, Englewood, Co 80112

1-17-2006 Hobbs Time 144.1 Total Time 3016.1

Complied with AD 90-2-13 by replacing left gear bearing with part number 5141109-1.

Inspected right gear upper bearing, next due 1144.1. Resealed left and right strut.

Serviced with hydraulic fluid and nitrogen.

Alan Spencer A&P 523412198 [Signature]

1-28-2006 Hobbs Time 166.0 Total Time 3038.1

Removed and replaced taxi light, lamp part number 4594. Operational check good.

Complied with AD 2000-01-16 par b by visual inspection, next due 216.0

Alan Spencer A&P 523412198 [Signature]

2-7-2006 Hobbs Time 196.4

Removed and replaced left vacuum pump part number 3P207JA. Installed serial number PE50437. Operational check good.

Alan Spencer A&P 523412198 [Signature]

2-20-2006 Hobbs Time 217.2 Total Time 3089.2

Serviced and inspected this aircraft in accordance with Cessna 421 Service manual.

Cleaned fuel screens. Cleaned and repacked nose wheel bearings.

Inspected ELT in accordance with FAR 91.207 par c, d.

Complied with wing and stub type A inspection.

Complied with AD 72-2-1 by torque check.

Complied with AD 00-1-16 par b by inspection, next due 267.2

**I certify that this aircraft has been inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition at this time.**

Alan Spencer A&P 523412198 [Signature]

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
3-7-2006	Hobbs Time 231.3		Removed and replaced left and right engine air filters, next due 731.3. Removed and replaced gyro filter, next due 731.3.  Alan Spencer A&P 523412198 <i>Alan Spencer</i>
7-10-2006	Hobbs Time 270.0		Painted control surfaces. Removed and checked balance per Cessna 421A service manual section 16 balancing procedures. Surfaces checked within tolerances. Reinstalled control surfaces and flight check of aircraft good. Aircraft is returned to service.  Alan Spencer A&P 523412198 <i>Alan Spencer</i>
11-10-06	N712JW Hobbs Time 309.8 Total Time 3181.8		Serviced and inspected this aircraft in accordance with Cessna 421A service manual. Cleaned and repacked wheel bearings. Weighed aircraft this date. Complied with nose landing gear pivot bearing inspection. Complied with variable pressure controller inspection. Removed and replaced outflow valve filter. Complied with fuel selector valve inspection. Complied with alternator brush inspection. Complied with wing and stub wing type A inspection. Complied with cabin pressurization inspection. Complied with oxygen bottle inspection. Complied with fire extinguisher inspection. Inspected ELT in accordance with FAR 91.207 par c, d. Serviced oxygen bottle. Replaced loose rivets on left gear door patch. Removed and replaced left main tire. Removed and replaced fuel cap o rings. Complied with AD 72-02-01 by torque check next due 409.8 Complied with AD 00-01-16 par b by visual inspection, next due 359.8 par c by removal and inspection, next due 11-2007 par d P/C/W 10-31-2002, next due 542.9 par e by pressurization and inspection, next due 11-2007 par f P/C/W 9-28-01 engine tt 217.4, next due 717.4 par g P/C/W 9-20-99 engine tt 0.0, next due 2500.0  Complied with AD 04-21-04 by pressure decay test, next due 11-2008 or 534.7 h hobb Complied with AD 04-25-16 R1 by inspection and marking, next due 11-2007 <b>I certify that this aircraft has been inspected in accordance with an Annual inspection and has been determined to be in an airworthy condition at this time.</b> The Aircraft identified above was repaired or inspected in accordance with the current maintenance rules of the Federal Aviation Regulation and is approved for return to service.  Pertinent details of the repair are on file at this repair station under Work order number 2006-5 date  Signed <i>Alan Spencer</i>

For Pro Av CRS 08VR723X  
60298 Highway 50 hangar 8  
Penrose, CO 81240



DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<b>TOTAL</b> brought forward from previous page			

4-15-2007 Hobbs Time 336.0

Removed and reinstalled cabin fire extinguisher for hydrostatic inspection, next due 4-2012.

Alan Spencer A&amp;P 523412198



9-20-2007 Hobbs Time 406.2 Total Time 3278.2

Serviced and inspected this aircraft in accordance with Cessna 421 service manual. Cleaned and repacked wheel bearings. Inspected ELT in accordance with FAR 91.207 par c, d. Complied with wing and stub type A inspection, next due 506.2  
Removed and replaced right main brake linings. Complied with oxygen bottle inspection. Complied with air data computer inspection. Complied with fire extinguisher inspection.

Complied with AD 72-02-01 by torque check, next due 506.2

Complied with AD 00-01-16 par b by visual inspection, next due 456.2

par c by removal and inspection, next due 9-2008

par d by visual inspection, next due 906.2

par e by pressurization and inspection, next due 9-2008

par f P/C/W 9-28-01 engine tt 217.4, next due 717.4

par g P/C/W 9-20-99 engine tt 0.0, next due 2500.0

Complied with AD 04-25-16 R1 by inspection and marking, next due 9-2008

**I certify that this aircraft has been inspected in accordance with an Annual inspection and has been determined to be in an airworthy condition at this time.**

Alan Spencer 523412198 IA



9-29-2008 Tach Time 473.0 Total Time 3344.8

Serviced and inspected this aircraft in accordance with Cessna 421 service manual. Cleaned and repacked wheel bearings. Inspected ELT in accordance with FAR 91.207 par c, d. Complied with wing stub type A inspection, next due 573.0. Complied with fire extinguisher and oxygen bottle inspection. Complied with Air data computer inspection.

Complied with AD 72-02-01 by torque check, next due 573.0

Complied with AD 00-01-16 par b by visual inspection, next due 523.0

par c by removal and inspection, next due 9-2009

par d P/C/W 9-2007, next due 906.2

par e by pressurization and insp, next due 9-2009

par f by replacement of clamps, next due 973.0

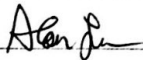
par g P/C/W 9-20-99 engine TT 0.0, next due 2500.0

Complied with AD 04-21-05 by heater decay test, next due 9-2010 or 597.2 heat hob

Complied with AD 04-25-16 R1 by inspection and marking of valve, next due 9-2009

**I certify that this aircraft has been inspected in accordance with an Annual inspection and has been determined to be in an airworthy condition at this time.**

Alan Spencer 523412198 IA



10-19-2008 Hobbs Time 487.2

Removed and replaced the flap motor. Installed part number 9910055-1 serial number 830. 8130 tag Dated 7/18/2008. Operational check good.

IRK

Alan Spencer A&P 523412198 *Alan J*

**Abbott Aviation, LLC**  
 1408 N Hwy 14  
 Aurora, NE 68818



**402.694.2728**  
 www.abbottaviation.com  
 abbottaviation@hamilton.net

Date	Hobbs	Make	Model	Serial No.	Reg. No.
3/31/09	<del>493.1</del> 493.1	Cessna	421A	421A0128	N712JW

1. Completely stripped, acid etched, alodined and painted aircraft. Base color is Jet Glo Matterhorn White 00435, accent colors are Acry Glo Steel Blue 10586 and Cumulus Gray 10680.
2. Varified static balance on flight controls per Cessna Maintenance Manual.
3. Reassembled aircraft, verified flight control operation.
4. Installed required placards.

Doug Abbott A&P 505157157 IA *Doug Abbott*

12/22/2009 Hobbs Time 514.0 Total Time 3385.8

Serviced and inspected this aircraft in accordance with Cessna 421 service manual. Cleaned and repacked the wheel bearings. Inspected ELT in accordance with FAR 91.207 par c, d. Removed right engine and installed factory rebuilt GTSIO-520-D22B serial number 1001377. Complied with 50, 100 and 200 hour inspections. Complied with wing and wing stub type A inspection. Inspected Fire extinguisher. Complied with oxygen bottle hydrostatic inspection, next due 12/2014. Serviced O2 bottle. Complied with nose landing gear pivot bearing inspection. Rescaled left main strut. Rescaled nose strut. Serviced shimmy dampener. Replaced taxi light lamp. Repaired right and tail nav lights.

Complied with AD 72-02-01 by torque check, next due 614.0  
 Complied with AD 00-01-16 par b by visual inspection, next due 564.0  
 par c by removal and inspection, next due 12-2010  
 par d P/C/W 9-2007, next due 906.2  
 par e by pressurization and inspection, next due 12-2010  
 par f P/C/W 9-2008, next due 973.0  
 par f P/C/W 9-20-99 left engine TT 0.0, next due 2500.00

Complied with AD 04-25-16 R1 by inspection and marking of valve, next due 12-2010

**I certify that this aircraft has been inspected in accordance with an Annual inspection and has been determined to be in an airworthy condition at this time.**

Alan Spencer 523412198 IA *Alan J*

2-5-2010 Hobbs Time 515.6

Weighed aircraft this day. See weight and balar

3387.4 TT

Alan Spencer A&P 523412198 *Alan J*

4-1-2010 Hobbs Time 0.0 Total Time 3412.5

Removed and replaced Hobbs meter. Removed and replaced left fi part number 9927-1 serial number CR400. 8130 tag dated 3/22/20 checked good.

H: 540.7 before replacing the meter.

Alan Spencer A&P 523412198

*Alan S.*

01/03/2011 Hobbs 59.9 TTAf 3445.7

Serviced and inspected this aircraft in accordance with the Cessna 421 service manual. Replaced ELT batteries with MN1300, next replacement 01/31/2013. ELT checked per FAR 91.207 para c & d. CW wing and wing stub type A inspection. Inspected fire extinguisher and oxygen bottle. Service O2 bottle.

CW AD 72-02-01 by torque check, next due 159.9

CW AD 04-25-16R1 by inspection and marking of valve.

CW AD 04-21-05 by heater decay test, next due 1/2013 or heater hobbs 629.0

CW AD 00-01-16 para b by visual inspection, left & right, due next 109.9

para c by removal and inspection, left & right, due next 01/2012

para d PCW 9/2007 left & right, next due 365.7 hobbs

para e by pressurization and inspection, left & right, due next 1/2012

para f PCW 9/2008 by replacement, left & right, due next 432.3 hobbs

para g PCW 9/22/99, due next 9/2011 left & right

**I certify this aircraft has been inspected in accordance with an Annual Inspection and has been determined to be in airworthy condition this date and time.**

Cormac C. Thompson, III A&P 533982177 IA *Cormac C. Thompson III*

Cessna 421A N712JW s/n421A-0128

August 12, 2011 Hobbs 100.4

Installed new seals in right main gear strut and serviced in accordance with the Cessna 421A Maintenance Manual. Checked brake pads and wheel bearings, OK. No leakage noted. CW AD 00-01-16 para b & c left and right exhaust systems and found satisfactory.

END

Cormac C. Thompson, III A&P 3134821 IA *Cormac C. Thompson III*

SUB-TOTAL this page

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Cessna 421A N712JW s/n 421A-0128

February 02, 2012 Hobbs 132.0 TTAF 3544.5

Serviced and inspected this aircraft in accordance with the Cessna 421A service manual. ELT inspected per FAR 91.207 c&d. Jacked aircraft and performed normal retraction and extension and emergency gear extensions.

CW AD \*2000-01-16 para b by visual inspection, due next at Hobbs 182.0

Para c by removal and inspection, due next in 12 calendar months

para d PCW due next at Hobbs 365.7


para e by pressurization and inspection, due next in 12 cal. Months

Para f PCW due next at Hobbs 432.3

Para g due left & right at Hobbs 1713.6 (2500 hours TIS)

CW AD \*04-25-16R1 para e(1)(2) by inspection and marking of valve, due next Hobbs 232.0 or 12 calendar months.

**I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition this date and time. END**

Cormac C. Thompson, III A&P 3134821 IA 

Cessna 421A N712JW s/n 421A-0128

March 06, 2013 Hobbs 134.0 TTAF 3546.5

Serviced and inspected this aircraft in accordance with the Cessna 421A service manual. ELT inspected per FAR 91.207 c&d. New ELT batteries installed, due replacement 3/31/2015. Serviced brake reservoirs. Serviced O2 system and check for proper operation of all masks and outlet ports. Jacked aircraft and performed normal retraction and extension and emergency gear extensions. CW Wing & Stub Wing Type A inspection. CW Nose ldg Gear Pivot Bearings Inspection.

CW AD \*72-02-01 Prop Attach Nuts per para A, due next at Hobbs 234.0

CW AD \*2000-01-16 para b by visual inspection, due next at Hobbs 184.0

Para c by removal and inspection, due next in 12 calendar months

para d PCW due next at Hobbs 365.7

para e by pressurization and inspection, due next in 12 cal. Months


Para f PCW due next at Hobbs 432.3

Para g due left & right at Hobbs 1713.6 (2500 hours TIS)

CW AD \*04-25-16R1 para e(1)(2) by inspection and marking of valve, due next Hobbs 234.0 or 12 calendar months.

CW AD \*04-21-05 para e(1) due next at Heater Hobbs 661.5 or 24 calendar months

**I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition this date and time. END**

Cormac C. Thompson, III A&P 3134821 IA 

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10/15/2014 | N712JW | Hobbs Time: 136.1 | TTAf: 3548.6

Serviced and inspected this aircraft in accordance with Cessna 421A service manual. ELT inspected per FAR 91.207 c&d. New batteries installed, due replacement 10/31/2019. Serviced brake reservoirs. Cleaned, inspected and repacked wheel bearings. Removed O2 bottle for hydro test. Reinstalled bottle and serviced with oxygen, next due 10/2019. Replaced all fuel cap O-rings P/N: MS29513-232. Repaired vertical de-ice boot as required. Replaced remote ELT battery, next due 10/2019. Removed pilot's attitude indicator and sent for overhaul. Reinstalled attitude indicator after overhaul, operational check normal. Tightened rudder cable tension as required. Replaced right and left vacuum relief garter filters P/N: ARB3-5-1. Jacked aircraft and performed retract and extension tests in normal and emergency modes, operational check normal. Removed heater and installed new C&D Associates heater Model: CD45K, P/N: CD14025-1, S/N: 2287. Heater was installed at heater Hobbs: 561.6 and eliminates AD \*04-21-05. Installed new heater fuel pressure regulator P/N: CD20801, installation eliminates AD \*04-25-16R1. Operational/leak check of heater and regulator normal.

CW AD \*2000-01-16 para b by visual inspection, next due at Hobbs: 236.1

Para c by removal and inspection, next due in 12 calendar months

Para d PCW due next at Hobbs: 365.7

Para e by pressurization and inspection, next due in 12 cal. Months

Para f PCW next due at Hobbs: 432.3

Para g due left & right at Hobbs: 1713.6 (2500 hours TIS)

I certify this aircraft has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition this date and time. \*END\*

Tom Allard A&P 3205666 IA



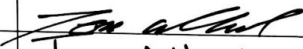
12/24/2014 | N712JW S/N: 421A0128 | Hobbs: 150.0

Removed, cleaned and inspected left fuel selector. Resealed selector as required and reinstalled, operational / leak check normal. Removed access panels as required to gain access into left inboard AUX fuel cell. Installed new fuel sump drain adaptor P/N: 5026011-1 and re-installed sleeve in fuel cell. Resealed access panel, operational / leak check normal. See attached 8130 tag for details. All work was performed in accordance with Cessna 421A Maintenance Manual. \*END\*

Tom Allard A&P 3205666

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			
09/10/15	N712JW	JW Hobbs: 156.7	S/N: 421A0128
			Inspected bottom aft rudder and found damage to be negligible, no cracks noted. Damage was repaired by burnishing and paint touched up. Replaced two static wicks. Repaired left engine outboard cowling hole. All work was performed in accordance with Cessna 421A maintenance manual. END  Tom Allard A&P 3205666



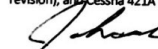
**Straight Flight**  
A SUBSIDIARY OF SIERRA NEVADA CORPORATION

**LOG ENTRY**


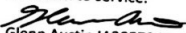
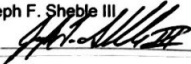
REPAIR STATION #: OMKR399L  
E.A.S.A. 145.5994  
13251 E. CONTROL TOWER RD., BOX K-12  
ENGLEWOOD, CO 80112  
(303) 799-8906

**24 September 2015**      **Hobbs: 156.7**  
 (N712JW) Straight Flight, Inc. has performed the following: 1) Replaced tail rotating beacon bulbs with new P/N A-7079-B24 IAW Cessna 421 SM, Section 14. Operational check satisfactory. 2) Bled RH brake IAW Cessna 421 SM, Section 2. Operational check satisfactory.

**Release Statement:**  
 Straight Flight, Inc. hereby certifies that all the above maintenance and/or inspections have been accomplished in accordance with Straight Flight Inspection Procedure Manual, FAR's governing the operation of this equipment, referencing the standard practices in AC43.13 1B (current revision), and Cessna 421A Maintenance Manual. Information on these repairs is on file at Straight Flight facility under project # 8189.

  
**John L. Saar, Inspector, Straight Flight, Inc., FAA CRS #OMKR399L**


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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2016			<p style="text-align: center;"><b>TOTAL</b> brought forward from previous page</p>
			
<p style="text-align: center;">2722 Perimeter Rd #110 North Las Vegas, NV. 89032 Phone: 702.636.6555 August 02, 2016            Reg: N712JW S/N: 421A0128 Hobbs: 165.5 AFTT: 3,578.0 Ref: WO: VGT-1596</p>			
<p>Serviced and inspected this aircraft in accordance with the Cessna 421A service manual. Inspected ELT per FAR 91.207 c and d. Batteries due replacement 10/31/2019. Serviced hydraulic and brake reservoirs. Accomplished a satisfactory operational test and inspection, next due 09/2017 and AD 2016-07-24 Replacement of Pitch Trim Tab Hardware. By replacement of elevator trim tab push-pull rod attachment hardware IAW Textron Aviation Inc. (Cessna) Multi-engine Service Bulletin No. MEB-27-02. This aircraft is in compliance with all airworthiness Directives through Biweekly 2016-15.</p>			
<p>I certify that this aircraft has been inspected in accordance with a 100 hour and annual inspection checklist and was determined to be in an airworthy condition. The maintenance described above was accomplished in accordance with the Manufacturer's Maintenance Program, requirements of 14 CFR 43, and with respect to the work performed above is airworthy and approved for return to service.</p>			
<p style="text-align: center;">            Glenn Austin IA3057240</p>			
2017			
08-13		166.0	<p><b>Date:</b> 08/13/2017      <b>Hours:</b> 3578.5 TTSN      <b>Tail:</b> N712JW  <b>Make:</b> cessna      <b>Model:</b> 421A      <b>Serial:</b> 128</p>
<p><b>Comments:</b>            Removed vertical stabilizer &amp; rudder after wind damage . Also removed horizontal stabilizer for further inspection of empanage, and no further damage was detected. Reinstalled used vertical stabilizer fin P/N 5131000-87 as removed from same make and model S/N 0818, Also installed used rudder P/N 5133000-200, and trim tab P/N 5133015-1 also removed from S/N 0818. Parts were primed and painted to match , Rudder balanced utilizing cessna balance beam. Reinstalled horizontal stabilizer, and rigged flight controls and trim tabs. Work accomplished using cessna 421A service manual, and 43.13 repair manual.</p> <p style="text-align: right;">Joseph F. Sheble III            J 3165317 IA</p>			
<p><b>Name:</b> Joseph F. Sheble III      <b>Cert:</b> 3165317 IA</p>			
<p><b>Signature:</b> </p>			
<p><b>SUB-TOTAL</b> this page</p> <p><b>TOTAL</b>—Carry forward to next page</p>			

DATE 2017	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<b>TOTAL</b> brought forward from previous page			
08-13		166.0	<p><b>Date:</b> 08/13/2017      <b>Hours:</b> 3578.5 TTSN      <b>Tail:</b> N712JW  <b>Make:</b> Cessna      <b>Model:</b> 421A      <b>Serial:</b> 128</p> <p><b>Comments:</b>  Removed all interior parts for upholstery, i.e, seats, side panels, headliner, carpet, and plastic window molding. Installed 1" soundproofing insulation supplied by aircraft spruce P/N 09-01246 FAA approved material. Reinstalled newly upholstered aircraft interior, headliner, vinyl covered plastic window moldings, side panels, door seal trim, and carpet. see burn certs. material supplied by douglas aircraft interior. new A/N hardware was used throughout. no change to weight and balance.</p> <p><b>Name:</b> Joseph F. Sheble III      <b>Cert:</b> 3165317 IA  <b>Signature:</b> <i>Joseph F. Sheble III</i></p>
08-13		166.0	<p><b>Date:</b> 08/13/2017      <b>Hours:</b> 3578.5 TTSN      <b>Tail:</b> N712JW  <b>Make:</b> Cessna      <b>Model:</b> 421A      <b>Serial:</b> 128</p> <p><b>Comments:</b>  <b>ANNUAL INSPECTION COMPLETED THIS DATE</b>  Serviced and inspected this aircraft I.A.W Cessna service manual, FAR 43.1600 (D) - complied with A.D. 2000-01-16 by visual inspection, paragraphs (c) (e) next due 09/18. complied with A.D. 2016-07-24 by visual inspection of pitch trim hardware for wear, none was detected next due 09/18 or 266.0 HOBBS. complied with ELT 91.207 (c) (d) next due 09/18. elt batteries due 10/31/18. Removed main and nose tires, cleaned, and packed wheel bearings. inspected brake linings for wear, and replaced one lining due to improper installation previous. Performed landing gear retraction test &amp; emergency gear extension procedure satisfactory. Greased and lubed all points of gear system. cleaned induction filters. A.Ds checked through date see list.</p> <p>"I certify that i have inspected this aircraft I.A.W an annual inspection checklist, and have determined it to be in airworthy condition at this time.</p> <p><b>Name:</b> Joseph F. Sheble III      <b>Cert:</b> 3165317 IA  <b>Signature:</b> <i>Joseph F. Sheble III</i></p>

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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**HORTON AVIATION SERVICE**  
**FAA CRS YHSR-284L**  
**2732 PERIMETER ROAD**  
**N. LAS VEGAS NV 89104**

**#7 N712JW MFG. CESSNA**  
**W.O.17-206 Date: 9/08/05**

**TRIM SYSTEM NOT APPROVED**  
**TRIM CIRCUIT BREAKER**  
**PLACARDED SYSTEM**  
**REMOVED AND REPLACED**  
**PILOT AND CO-PILOT SEAT**  
**SYSTEMS GOOD. The aircraft**  
**repaired and inspected**  
**Regulations and are approved**  
**details are on file at this**  
**number. APPROVED FOR**

Date: 12/05/17                      Hour  
 Make: Cessna                              Model

**Comments:**  
 Installed custom made dash top  
 installed custom made carpet throw  
 aircraft . see burn certs.

Name: Joseph F. Sheble III  
 Signature: *Joseph F. Sheble III*



*Ship Shape*  
**Custom Products, Inc.**

P.O. Box 1141  
 Mooresville, NC 28115  
 (704)663-4150 Fax 663-7904

Record No: 10184

Test Date : Nov 02, 2005

Test Record : 110204

Tested For : Douglass Inter-ior Products

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DESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

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Date: 03-31-18

Hours: 220.5 HOBBS

Tall: N712JW

Make: Cessna

Model: 421-A

Serial: 421A0128

Comments:

removed cracked cessna sun visors and installed new rosen sun visors I.A.W S.T.C  
SA5137NM, tested satisfactory, see S.T.C on file.

Name: Joseph F. Shields III

Cert: 3165317 IA

Signature: *Joseph F. Shields III*

HORTON AVIATION SERVICESLLC  
2732 PERIMETER ROAD, SUITE 101  
NORTH LAS VEGAS, NEVADA 89032  
REPAIR STATION # YHSR284L

N# N712JW MFG. CESSNA MODEL 421A S/N 421A0128  
W.O.18-084 Date: 9/01/2018 HOBBS Time: 227.6 TTAF: 3640.1

Replaced vacuum system filters. Cleaned left cowl flap motor changed o-ring, Repaired cabin door step, Replaced clamp on cooling duct, Hydro tested O2 bottle, Repaired leaks in oxygen system, Replaced cooling ducts in cabin, cleaned and replaced gaskets on heater valve, Replaced cabin door seal, Replaced all landing gear boots, Replaced belly drains, repaired leaks in static system, overhaul right airspeed indicator, ELT inspected I/AAW FAR 91.207 (d) and found to be in satisfactory condition. C/W AD 2000-01-16 Exhaust system inspection, C/W AD 2004-25-16R1 Fuel regulator shut off valve, C/W ad 2016-17-08 elevator trim tab bolt, reference AD compliance sheet for details. I certify that this airframe has been inspected in accordance with an annual inspection and found to be in an airworthy condition. The aircraft and/or components above was repaired and inspected in accordance with Federal Aviation Regulations and is approved for return to service. Pertinent details are on file at this agency under above work order number. *Chris*

HORTON AVIATION SERVICESLLC  
2732 PERIMETER ROAD, SUITE 101  
NORTH LAS VEGAS, NEVADA 89032  
REPAIR STATION # YHSR284L

N# N712JW MFG. CESSNA MODEL 421A S/N 421A0128  
W.O.18-084 Date: 9/01/2018 HOBBS Time: 227.6 TTAF: 3640.1

Removed old avionics equipment; KX-165 com/nav, KT 76C XPDR, KLN 94 GPS, KN65A DME, 331A-3G HSI, pilot's vertical speed and DG, and Bendix audio panel. Installed new Garmin GTN 750 com/nav/gps, GTX 345R remote XPDR, GMA 35c Audio Panel, G500 TXI PFD. Installed serviceable Bendix king KN 64 DME. Replaced beacon and tail light with Led lights. Replaced NAV coax cable Compass checked no change noted. Operational checked all systems good. The aircraft and/or components above was repaired and inspected in accordance with Federal Aviation Regulations and is approved for return to service. Pertinent details are on file at this agency under above work order number. *Chris*

HORTON AVIATION SERVICESLLC  
2732 PERIMETER ROAD, SUITE 101  
NORTH LAS VEGAS, NEVADA 89032  
REPAIR STATION # YHSR284L

N# N712JW MFG. CESSNA MODEL 421A S/N 421A0128  
W.O.18-150 Date: 9/01/2018 HOBBS Time: 227.6 TTAF: 3640.1

Replaced all side windows, and resealed replaced window hardware, removed front windshield and cleaned, inspected, reinstalled and resealed, removed and replaced emergency door seal, and cabin door center seal, pressure tested cabin good. The aircraft and/or components above was repaired and inspected in accordance with Federal Aviation Regulations and is approved for return to service. Pertinent details are on file at this agency under above work order number. *Chris*

ROSEN P/N: **R1181300-0**  
Description: CESSNA 421B COMPLETE SYSTEM  
Customer P/N: N/A  
Model: CESSNA 414A, 421B  
Insp:  **FAA-PMA**  
Date: **MAR 29 2018**

Rosen Code: PS

(PO2303NM)

SERIAL NO. H197577





DATE	TOTAL TIME	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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09-19-2019

Annual

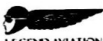
Date: 09-19-2019      *hobbs 305.2*  
 Hours: 3,717.7 TTSN      Tail: N712JW  
 Make: CESSNA      Model: C-421A      Serial: 421A0128

**Comments:**

Installed used serviceable left cowl flap motor supplied by preferred airparts from similar aircraft. tested satisfactory. Installed rebuilt left fuel selector valve supplied by webco aircraft. see 8130. test run engine, no leaks detected, operational check satisfactory all positions. cleaned induction filters, ELT inspected I.A.W 91.207 (D), tested satisfactory. ELT batteries due 12/2023. C/W AD 200-01-16 Exhaust system inspection, C/W AD 2004-25-16R1 Fuel regulator shut off valve, C/W AD 2016-17-08 elevator trim tab bolt, reference AD sheet for details. " I certify that I have inspected this airframe I.A.W an annual inspection and was found to be in airworthy condition at this time." All work accomplished utilizing cessna service manual 100hr/annual checklist. All ADs checked through date see list.

Name: Chris Sova      Cert: 454278047 IA  
 Signature: *[Signature]*      *[Signature]*

MAKE: Cessna  
 MODEL: 421a  
 S/N: 421A0128  
 REG. NO: N712JW  
 WORK ORDER: 55890

 **Legend Aviation LLC**  
 2020 Clubhouse Drive  
 Prescott, AZ 86301  
 Phone: 928.717.1680

DATE: 11/21/2019  
 A/C TSN:  
 HOBBS: 309.1

**Avionics Entries**

- (2) Removed Cessna electric trim servo. Installed Cessna Right trim cable 5200006-21CR and Stac cable extension 7011 per Stac STC. Removed left Trim cable and installed Stac 7056 with 7004 master link.
- Found rt aft cable spaced and short. Replaced with Cessna 5200006-20. Found cables crossed between aft outlay assemblies. Corrected pitch trim cable routing. Performed pitch trim rigging per Cessna manual 421 Service manual D617 Rev. 15 dated April 1970 (3 APR 2003) page 6-10. Cable tensions and travel checked good IAW same.
- Relocated floor moisture drain aft about 5 inches aft due to new servo contacting drain.
- Manufactured wire harness to replace Stac system 55x with 3100 per STC. Rewired system to include electric trim. Removed existing trim switch in yoke, fitted hole and cut out to install Stac trim switch. Rewired yoke using Stac coil cord PN:3934.
- Stac Autopilot installed IAW STC#SA09751DS. See FAA form 337 dated 21 Nov. 2019 for details.
- (5) Customer reported Standby Nav inop. Tested wiring from KX165 to KX1-520 indicator, verified antenna connections for KX165. Found KX165 LOC functions correctly, VOR functions inop.
- Deferred repair due to no support at this facility.

Aircrafts weight and Balance updated

Technicians Who Worked On The Items Listed Above:  
 George Gonzales, Kris Vanter, Mitch Ramsay

**MAINTENANCE RELEASE**

The above identified aircraft, component or appliance has been 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 agency.

DATE: 11/21/2019

SIGNED: *[Signature]*


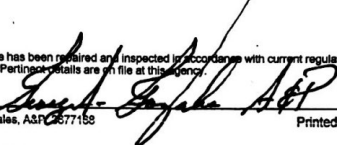


Work Order: 55890

Mitch Ramsay  
 FAA CRS ZM3R029M

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			<b>TOTAL</b> brought forward from previous page
			<p>MAKE: Cessna MODEL: 421a S/N: 421A0128 REG. NO: N712JW WORK ORDER: 55890</p> <p> <b>Legend Aviation LLC</b> 2020 Clubhouse Drive Prescott, AZ 86301 Phone: 928.717.1680</p> <p>DATE: 11/21/2019 AC TSN: HOBSBS: 309.1</p> <p><b>Airframe Entries</b></p> <p>(3) Added connector pin 262ND08, inserts (2) pin 259-N06 and 3 feet of new deicing hose pin poly flow natural 66P 3/8 tube onto the left hand side of Stabilator deice boot at aft empennage. All work performed IAW Cessna 421 AIMM section 13-35 and AC43.13-1B. Deice leak and function check pending. (4) Installed a 6 inch section of new poly tube pin 88PN and fittings pins 262N06 (2), 259-N06 (3) for left wing pneumatic de-ice boot. All work performed IAW Cessna 421 AIMM section 13-36. Leak and deice system function check good.</p> <p>Technicians Who Worked On The Items Listed Above: Bill Samuelson, George Gonzales</p> <p><b>MAINTENANCE RELEASE</b></p> <p>The above identified aircraft, component or appliance has been 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 agency.</p> <p>DATE: 11/21/2019      SIGNED:       Work Order: 55890 George Gonzales, A31P 2577155      Printed by EBIS 3 (datcomedia.com)</p>
			<p><b>HORTON AVIATION SERVICES LLC 2732 PERIMETER ROAD, SUITE 101 NORTH LAS VEGAS, NEVADA 89032</b> <b>REPAIR STATION # YHSR284L</b> <b>N# N712JW MFG. CESSNA MODEL 421A S/N 421A0128</b> <b>W.O. 20-155 Date: 8/10/2020 HOBSBS: 380.4</b></p> <p>Removed and replaced G500 TXI AND GDC, installed new G600 TXI s/n 3LA000826, and GDC s/n 5BF000838, system installed IAW STC# SA02571SE, Operation checked system good. The aircraft and/or components above was repaired and inspected in accordance with Federal Aviation Regulations and is approved for return to service. Pertinent details are on file at this agency under above work order number.</p> <p></p>
			<p><b>HORTON AVIATION SERVICES LLC 2732 PERIMETER ROAD, SUITE 101 NORTH LAS VEGAS, NEVADA 89032</b> <b>REPAIR STATION # YHSR284L</b> <b>N# N712JW MFG. CESSNA MODEL 421A S/N 421A0128</b> <b>W.O. 20-182 Date: 9/19/2020 HOBSBS: 1346.66</b></p> <p>Removed and replaced ELT WITH NEW ARTEX ELT-345 406 MHZ SYSTEM. Operation checked system good. The aircraft and/or components above was repaired and inspected in accordance with Federal Aviation Regulations and is approved for return to service. Pertinent details are on file at this agency under above work order number.</p> <p></p>

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			<b>TOTAL</b> brought forward from previous page

Date: 01-27-2021 Hours: 354.3 hobbs 3766.8 T Name: Joseph F. Sheble III

Make: Cessna Model: C-421A Certification # 3165317

Tail # N712JW Serial: 421A-0128

Signature: *[Signature]*

Comments:

Form ZA-LSR

**ANNUAL INSPECTION COMPLETED THIS DATE**

Service and inspected this aircraft I.A.W cessna 421A service manual annual checklist, and FAR 43 APP D, C/W A.D 00-01-16 by pressurizing and visual checking. next due 454.3 or annual. C/W A.D 18-03-03 wing spar inspection by visual inspection no cracks detected at this time next due 404.3 Hobbs or annual. Installed micro dynamics, micro VG kit I.A.W STC SA00537SE, Utilizing installation manual MA2108. see 337 on file. Performed operational inspection of landing gear system, and checked landing gear down tension. Raised and lowered landing gear numerous times, and determined side tension was improper. Replaced worn landing gear emergency hand crank bell crank mechanism with used bell crank as removed from similar make and model aircraft, also replaced landing gear transmission with used serviceable gear box also supplied from similar aircraft P/N 0843409-3-A. Rigged landing gear to proper gear tension I.A.W cessna service manual. opps checked numerous times and performed emergency gear extension, opps checked satisfactory. Replaced left wing auxiliary inner and middle bladders with new bladders supplied by eagle river fuel cells, also installed new inner and outer auxiliary fuel gauge sending units with overhauled units supplied by preferred airports, see 8130 tags. Installed new locker tank bladders also supplied by eagle river fuel cells, flected tanks with gas and tested no leaks detected, opps checked locker tanks satisfactory. Removed O2 bottle and hydro test preformed next due 01/2026. installed hydraulic door strut kit to upper cabin door supplied by yingling aircraft opps checked satisfactory. 91.207 d ELT test satisfactory next due 01/2021. Washed aircraft, lubricated all flight controls, " I certify that I have inspected this aircraft I.A.W an annual inspection and was found to be in airworthy condition at this time.

wo: P19551	ZULU AVIONICS	Avionics - page 1 of 1
Zulu Aerospace Services LLC - 2020 Clubhouse Dr - Prescott, AZ 86301 - 928 377-4545 - CRS#: ZM3R930D		
<b>N712JW</b>	<b>CESSNA, 421A, S/N: 421A0128</b>	<b>February 16, 2021</b>
<ol style="list-style-type: none"> <li>1. Checked aircraft rigging in accordance with Cessna 421 service manual. Found right Aileron was off 2 degrees. Adjusted in accordance with Cessna 421 service manual.</li> <li>2. Checked roll servo and bridle cable in accordance with Stec ST-966-II-0001 Rev 8 dated 15 Oct. 2020. Updated Autopilot software 1.3.1 in accordance with Stec SIL 19-013 dated 16 sept. 2019 and SIL 18-042 rev B dated 25 Sept. 2019. Updated configuration in accordance with Stec SIL 19-012 dated 16 Sept. 2019.</li> <li>3. Found broken static hose at back of standby altimeter. Replaced broken hose, found hose kinked at back of G600 ADC redid nut, found hose cracked just above static sump in aft of aircraft, replaced hose. Leak tested in accordance with Part 43 appendix E, all tests passed.</li> <li>4. Performed pitch and roll calibration of G600 Txi in accordance with Garmin manual 190-01717-B3 Rev. 8 dated Oct. 2020</li> </ol>		
With respect to the work performed, this avionics is approved for return to service. Details of work performed are on file with Zulu Aerospace Services LLC under work order: P19551.		
Mitchell Ramsay CRS ZM3R930D	<i>Mitchell Ramsay</i>	

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