

N421 MY

The Standard
 **AIRCRAFT LOG**

ASA-SA-2

Aircraft Record General Information

Manufacturer CESSNA. Model 421B
Serial 421B-0356 Registration Number N421MY
Date of Manufacture 1973.

Engine(s) currently installed:

Manufacturer TCM Model GTS10-520H Serial 235257-R (RT)
Manufacturer TCM. Model GT510-520H Serial 267223-R (LFT)

Propeller(s) currently installed:

Manufacturer MCCAULEY Model 3AF 34C 92/90 LFO
HUB Model 798911. (RT) Serial 900328 (RT)
Blade Model S90LF-0 Serial K6689YS Serial K61706YS Serial K61717YS (RT)
Blade Model S90LF-0 Serial K55540YS Serial K61696YS Serial K61647YS. (RT)

DATA TRANSFERRED FROM BRITISH LOG BOOK (G-BAGO)

RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alter Entries must be endorsed with Name, Rating and Certificate Number Technician or Repair Facility. (See back pages for other specific e
05	0-40	4774.10	CYCLES 4943 TRANS. FROM BRITISH LOG B



SKY ENGINEERING LTD.

HANGAR 3A, COVENTRY AIRPORT, BAGINTON CV8 3AZ U.K.

LOGBOOK CERTIFICATE

Aircraft Type Cessna 421B

Aircraft Registration N421MY

Left Engine GTSIO-520H

Right Engine GTSIO-520H

Left Propeller 3AF34C.92/90 LF-0

Right Propeller 3AF34C.92/90 LF-0

Total Landings 4942

Serial No. 421B-0356

Serial No. 267223R

Serial No. 235257-R

Serial No. 798941

Serial No. 900328

Total Hours 4772.30

Total Hours 961.00

Total Hours 24.10

Total Hours 516.05

Total Hours 516.05

The following work has been carried out on the above :-

100 hour inspection to the manufactures schedule

FAA ADs checked through bi-weekly listing 2005-14, details recorded on separate log book entries.

British registration markings (G-BAGO) removed, American registration applied to fuselage sides, Note - British markings retained on wing underside at customer request.

P1 altimeter replaced, part # 5934PAM serial # P9877, Atlas Instruments Form 8130 # 2453 refers.

Pitot/static system leak and sense checked

Left main gear corroded chromed section removed, repaired by U.S Chrome Corporation (Form 8130 # 31971 refers) and leg reassembled on aircraft with new seals., recharged with nitrogen and Aeroshell fluid 41.

Right main gear hydraulic oil renewed, Aeroshell fluid 41, and recharged with nitrogen

Perished left main wheel tyre renewed, part # 650x10x8ply, ser #2Q6W00210 Batch # 565

Battery failed capacity test, replacement battery part #G246 serial # G02193489 batch# 650

Charged and fitted.

Broken right D.V. window replaced with customer supplied item and the serviceable catch used to replace defective left D.V. window catch.

Leak at right main fuel cell sealed with Thiokol

DETAILS OF ABOVE WORK IS HELD UNDER WORKS ORDER No. SEL /0264 AT SKY ENGINEERING

Maintenance Release Statement

The Aircraft, Airframe, Aircraft Engine, Propeller or appliance identified above was repaired and inspected in accordance with Current Regulations of the Federal Aviation Administration and is approved for return to service

SIGN

[Signature]

AUTHORITY A&P 2590424IA

DATE: SEPT. 6, 2005

YEAR	RECORDING TACH TIME	TODAYS 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.)
				<p>N421MY CESSNA 421B</p> <p>I find that this aircraft meets the requirements for the Certification requested and have issued a Standard Airworthiness Certificate, Normal Category dated 09/07/05.</p> <p>Cornelius H. Davison</p> <p>Cornelius H Davison NE 840041 DART</p>
6 SEP 2005.	4774.75	H885.		<p>TO RECTIFY STATIC SYSTEM LEAK PLOTS ALTIMETER</p> <p>STATIC PIPE RECONNECTED. STATIC SYSTEM LEAK CHECK</p> <p>CARRIED OUT IOW FAE PART 43 APP. E PARA. H. SATIS.</p> <p>Just. REPAIR STA CBSY 773M.</p> <p>26 - SEPTEMBER 2005.</p>

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
2005				
DATE				
11-21-05	0.0		4809.5	INSTALLED NEW HOBBS MECHANICAL TACH, R/H L-GEAR OILED W/ NITROGEN
				J. K. P. D.D. J. DETMON
3/20/06				I CERTIFY THAT THIS AIR CRAFT
T.I.			4811.3	HAS BEEN INSPECTED IN ACCORDANCE
Hobbs 1.8				WITH AN ANNUAL INSPECTION AND
				WAS DETERMINED TO BE IN
				AIRWORTHY CONDITION.

YEAR:	RECORDING TACH TIME	TODAYS 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.)
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Date: 15-Apr-06 Registration: N421MY Tach: 4833.5 ACTT: 4833.5
 F A S T Aviation Inc. 4015 N. Santa Anita Ave. El Monte, CA 91731 (626)575.3276

The following Maintenance Items Were Completed This Date. Removed secondary Hobbs meter installed 11-21-05. The meter was connected directly to the aircraft battery and therefore did not display TIS accurately. The original hobbs meter remains operational and displays the correct aircraft TIS. Replaced LT Mixture cable, RT Throttle cable, and RT Alternate air cables with new Cessna cables. Serviced Main and Nose gear struts. Adjusted RT main gear up locks. Replaced LT elevator attach bolts and nuts with new. Installed new steering travel stop to nose gear. Replaced static wicks on LT elevator and RT aileron with new. Replaced LT and RT wing tip lenses with new. Installed new anti-collision beacon light bulb. Replaced multiple panel post light and compass light bulbs. Replaced all fuel tank placards with new. Replaced co-pilot sun visor clip mount with new. Adjusted nose baggage door latches. Replaced all pressurization ducts from engine to cabin. Replaced cockpit toggle switch covers with new. Replaced emergency exit handle cover with new. Installed cabin door operation exterior placard, and external power placard. Bled LT and RT brake systems verified brake reservoirs filled to proper level. Installed new Artex 200 ELT and remote switch. Form 337 filed, weight and balance change negligible. Repaired LT leading edge inboard of nacelle, suspect damage sustained from debris through prop. Replaced cabin door cable attach screw. R&R MAP gauge and Fuel Quantity gauge for overhaul by Otto Instruments, repair station WE2R263L. Replaced vacuum central and regulator filters with new. Serviced propeller unfeathering accumulators. Lubricated aircraft IAW Service Manual lubrication schedule. All work completed IAW Cessna 421B Service Manual and all applicable FAR's.

END

Make: Cessna Model: 421B SN: 421B-0356 Brandon Weil A&P 2837036 for FAST Aviation

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO: 421MY
WORK ORDER:
16590-04-2006



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 5/12/2006
A/C TSN
HOBBS: 4834 2

Airframe Entries

Removed, inspected and cleared out debris from left manifold pressure line and reinstalled.... Removed oxygen bottle, reinstalled bottle after hydro test by C-O-2 Fire and filled with oxygen.... Removed GTSIO-520 S/N 267223 and installed RAM overhauled GTSIO-520-H S/N 267160-R with new lard mounts. Installed new teflon hoses, overhauled turbo, controller, and waste gate. Turbo inlet and slip joint replaced with overhauled inlet and new slip joint.... Installed right engine fire extinguisher bottle after overhaul by S.J. O'Brien Ent., Inc., time on cartridges continues.... Left wing deice boot inspection light wires broken & bulb out. Replaced bulb with new GE1385, repaired wires.... Installed left wing tip lens assy with new.... Drained main tank, readjusted fuel level box.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 16590-04-2006.

DATE: 5/12/2006

SIGNED:

Robin Howard

Certified Repair Station No. TO3R874L

Work Order: 16590-04-2006

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AR: TE	RECORDING TACH TIME	TODAYS 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.)
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MAKE: Cessna
 MODEL: 421B
 S/N 421B-0356
 REG NO: 421MY
 WORK ORDER
 16676-05-2006



Howard Aviation, Inc.

Repair Station No: TO3R874L
 1401 Fairplex Drive
 La Verne, CA 91750
 Phone: 909-593-2596

DATE: 5/26/2006
 A/C TSN:
 HOBBS: 4834 2

Airframe Entries

The static pressure system was inspected and tested in compliance with FAR 91.411. The altimeter instrument was calibrated to an altitude of 30 thousand feet in compliance with FAR 91.411. The ATC transponder was tested and inspected in compliance with FAR 91.413. Automatic altitude reporting equipment was tested and calibrated in compliance with FAR 91.411.... Removed airspeed indicator and sent it out for overhaul. Reinstalled unit.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 16676-05-2006.

DATE: 5/26/2006

SIGNED:

Robin Howard
 Certified Repair Station No: TO3R874L

Work Order: 16676-05-2006

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RECORDING TACH TIME	TODAYS 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.)
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MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO: 421MY
WORK ORDER:
16571-04-2006



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 7/21/2006
A/C TSN:
HOBS: 4841.9

Airframe Entries

Installed a S-TEC System 55X Autopilot with GPSS roll steering and a SA-200 Altitude Pre-Selector, ST-645 Remote LCD Annunciator with Flight Director and Autotrim Option I/A/W manufacturers installation manual. Performed system ops check I/A/W manufacturers check out procedures. System checks good.... Installed Bose headset jacks as per the manufactures installation manual. Interfaced them with the existing pilot and co-pilots headset jacks.... Installed avionics fan as per manufactures installation instructions. Connected the fan to the Garmin 530, 430, 330, and the S-TEC 55X autopilot.... Removed bolt in elevator tube & found it to be good. It seems that the elevator tube control horn hole is slightly oblong. Reassembled the horn to the tube. The owner was notified & if the play becomes worse, the tube should be replaced or repaired.... Pre-wired for the future installation of a Garmin GMX 200. Ran 28VDC, ground, RS-232 from the Garmin 330 for altitude, & RS-232 from the Garmin 530 for aviation input.... Interfaced the Garmin 330 to the 530 & the 430 for traffic display. Found that the transponder 1/2 switch had the power for the 330 going through it. Removed the wiring from the switch and re-wired the 330 to the transponder 1 circuit breaker. Added the wiring to put the 330 in standby mode when the switch was moved into the transponder 2 position. Added the necessary wiring for the traffic audio output of the 330 to the audio panel & added a traffic mute switch.... Pilot's dimmer, engine instruments, lower panel, & side console dimmers inop. Found that the day night switch had bad solder joints & 5 wires that fell out of their solders joints in their connector, found a bad diode & replaced two transistors. All dimmers now work correctly. Replaced 4 light bulbs & two post light bases. All post lights operate properly.... Copilot's map light wiring had been cut and removed. Re-wired light and tested, light works correctly.... Relocated ELT switch to the top side of the copilot's instrument panel.... Removed pilot airspeed indicator. Cracked fitting in cargo department on the forward bulkhead. Replaced fitting. Reinstalled unit, leak checked. Leak check successfully.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 16571-04-2006.

DATE: 7/21/2006

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 16571-04-2006

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RECORDING
TACH
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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.)

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO: 421MY
WORK ORDER:
17079-09-2006**Howard Aviation, Inc.**Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596DATE: 10/6/2006
A/C TSN: 4872.5
HOBBS: 4845.5**Airframe Entries**

Lubed and/or inspected all pulleys, cables, rodends, and hinges. Packed all wheel bearings. Cleaned fuel strainers. Serviced battery and hydraulic reservoirs. Inspected ELT I/A/W FAR 91.207, ELT battery good to 4/2008. Inspected all fuel cap o-rings and seals. Inspected all lights, pitot heat and stall warning. Cleaned air filters. Swung landing gear several times and performed an emergency gear extension with no defects noted.... Updated AD list and verified compliance thru bi weekly 2006-18.... Troubleshoot inop surface de-ice boots on stabilators and found flow valve faulty. Installed overhauled valve and tail de-ice boots operate correctly.... Troubleshoot inop tail strobe light. Found no power to power pack, traced wiring and found flasher timing unit removed. Spliced wiring and all strobe lights functioning at this time.... Replaced aft cabin moisture seals.... Installed heater hobbs meter in aft panel above cabin heater.... Installed Service Kit SK421-82B and SK421-138D2, In-line Auxiliary Pump Electrical and Fuel pump Wiring Modification. Ops checks good.... C/W AD 2005-20-25 by visual inspection of avionics switches and found n/a by part number.... Cleaned alternator select switch with contact cleaner, functionally checks good.... Replaced pilot's control yoke map light bulb, functionally check good.... Removed loose patches on deice boots and sealed holes with pinhole repair kit.... Cable tension within specs.... Connected hobbs meter to correct power source wire, tests good.... Cleaned left engine cowling and reglued insulation in place.... Troubleshoot left aux fuel light inop, replaced diode and transistor on auxiliary fuel quantity light dimmer control. Function checks properly.... Defueled left aux tank. Removed aux in line fuel pump and installed correct replacement pump. Fabricated pump drain line from 1/4" aluminum tubing and installed. Refueled aux tank and operationally checked pump good.... Adjusted left aux tank fuel level to zero quantity on gauge with tank empty.... Serviced left strut with nitrogen.

I certify this aircraft N421MY has been inspected in accordance with an Annual Inspection and repaired in accordance with current Federal Aviation Regulations and was determined to be in an airworthy condition. Pertinent details of the repair are on file at this Repair Station under Repair Order 17079-09-2006.

DATE: 10/6/2006

SIGNED: 

Work Order: 17079-09-2006

Robin Howard
Certified Repair Station No. TO3R874L

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YEAR:	RECORDING TACH TIME	TODAYS 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 instructions)
DATE				

MAKE: Cessna
MODEL: 421B
S/N 421B-0356
REG. NO: 421MY
WORK ORDER:
17080-09-2006



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 10/6/2006
A/C TSN: 4872 5
HOBBS: 4845 5

Airframe Entries

Installed a Garmin GMX 200 S/N 38300388 I/A/W manufacturers installation manual. Interfaced it to the GNS 530 for aviation and FIS data, the GDL 69A for FIS data and the GTX 330 for traffic display. Performed system ops check I/A/W manufacturers check out procedures. System checks good.... Installed a Garmin GDL 69A S/N 47755865 I/A/W manufacturers installation manual. Interfaced it to the GNS 530 and the GMX 200 for display and control, and into the GMA 340 Audio Panel for XM music. Performed system ops check I/A/W manufacturers check out procedures. System checks good.... Connected the pilot's encoding altimeter to the GTX 330 transponder and removed the existing blind encoder and associated wiring.... Installed a new pilot's PTT switch. Re-wired the PTT using two of the wires from the autopilot coil cord. Rewired the pilot mic jack when installing new PTT wires. Swapped out the pilot's encoding altimeter with a factory new unit. Checked Com 1 coax and antenna with the SWR checker, and the com antenna and coax are good.... RMI does not display Nav information because the Garmin 530 and 430 do not put out the proper information for the RMI head to drive properly.... Performed pitot static leak test, discovered static leak behind the instrument panel. Loose fittings where the cause of improper operation. Also performed pitot test on copilot airspeed indicator and discovered airspeed indicator is out of calibration.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 17080-09-2006.

DATE: 10/6/2006

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 17080-09-2006

Printed by EBis 3 (datcomedia.com)

DATE	RECORDING TACH TIME	TODAYS 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.)
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MAKE: Cessna
 MODEL: 421B
 S/N: 421B-0356
 REG. NO: 421MY
 WORK ORDER:
 17222-10-2006



Howard Aviation, Inc.

Repair Station No. TO3R874L
 1401 Fairplex Drive
 La Verne, CA 91750
 Phone: 909-593-2596

DATE: 10/26/2006
 A/C TSN: 4883 9
 HOBBS: 4856 9

Airframe Entries

Troubleshoot cabin heater and found combustion fan faulty. Removed heater from aircraft and fan from heater. Found fan loose on motor shaft and bushings worn. Removed corrosion from fan housing and straightened deformed inlet lip. Installed overhauled fan motor with existing fan to housing. Mounted fan assembly to heater and heater to aircraft. Test ran heater several times and operationally checked good.... Adjusted left auxiliary fuel pump to 5.5 +/- .25 psi per Cessna Service Manual. Ground ran satisfactorily.... Troubleshoot intermittent propeller sync light. Found light bulb faulty, replaced bulb and functionally checked good.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 17222-10-2006.

DATE: 10/26/2006

SIGNED:

Robin Howard
 Certified Repair Station No. TO3R874L

Work Order: 17222-10-2006

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YEAR:	RECORDING TACH TIME	TODAYS 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.)
DATE				

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO: 421MY
WORK ORDER:
17275-11-2006



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 1/19/2007
A/C TSN: 4915.5
HOBBS: 4888.5

Airframe Entries

Replaced right main tire with new 650x10 8 ply FLC III tire.... Tightened several loose post lights and installed serviceable post light for oxygen gauge.... Troubleshot inop heater. Found hobbs meter incorrectly installed. Connected heater hobbs in parallel with the fuel pump/combustion air fan power wire. Heater function checks properly on ground, but malfunctions in flight. Found wire connections on terminal block not to match wiring diagram. The cabin air duct temperature control, combustion blower & fuel pump wires crossed. Correctly attached wiring to terminal block per Cessna wiring diagram, heater ran properly but the cabin fan doesn't run when heater switch is activated. Found diode between cabin fan and heater switches bad. Replaced diode and fan runs correctly when heat switch is activated.... Removed and replaced reading light switch on second passenger seat on the right side.... Troubleshot inoperative right engine oil temp and CHT gauges. Found proper voltage [pin A] and ground [pin c] at gauge cluster. Tested CHT probe by heating and gauge deflected correctly. Confirmed oil temp plug ground wire [pin b] and gauge to plug wire [pin a] operating correctly.... Reconnected upper left pressurization duct on front side of forward pressure bulkhead.... Labeled fuel drains Removed right engine for repair of oil leaks. Reinstalled engine after repair by Tim's Aircraft Engines, added (13) quarts of Aeroshell 100 Non-Detergent and test ran for oil leaks, no leaks observed.... Removed parking brake valve, replaced all o-rings and reinstalled valve to aircraft. Bled both left and right brake systems and serviced reservoirs with Aeroshell 4 fluid.... Removed old clamps and installed new Ram intake hose clamps.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 17275-11-2006.

DATE: 1/19/2007

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 17275-11-2006

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MAKE: Cessna
MODEL: 421B
S/N 421B-0356
REG. NO: 421MY
WORK ORDER:
17515-01-2007



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 2/16/2007
A/C TSN: 4919.2
HOBBS: 4892.2

Airframe Entries

Removed right brake caliper and replaced all o-rings, reinstalled caliper and bled system.... Adjusted left and right engines fuel pump aneroid in one turn.... Replaced pilot & co-pilot arm rest plastic covers, repaired attaching brackets as required.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 17515-01-2007.

DATE: 2/16/2007

SIGNED: *Robin Howard*

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 17515-01-2007

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MAKE: Cessna
MODEL: 421B
S/N 421B-0356
REG. NO: 421MY
WORK ORDER:
17589-02-2007



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 2/23/2007
A/C TSN: 4924
HOBBS: 4897

Airframe Entries

Fuel pump on right side is working good. Found oil leak #6 cylinder valve covers, tightened screws also waste gate controller leaking, changed bottom two fitting packings. Washed engine and wheel well down. Refflared tubing on fuel controller.... Replaced missing adel clamp on right main brake line. Bled right brake found some air in line. Removed glare shield and tightened aux light base nuts were loose. Fixed broken post light power wire.... Serviced compass with fluid.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 17589-02-2007.

DATE: 2/23/2007

SIGNED: *Robin Howard*

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 17589-02-2007

Printed by EBis 3 (datcomedia.com)

YEAR:

MAKE: Cessna
 MODEL: 421B
 S/N: 421B-0356
 REG. NO: 421MY
 WORK ORDER:
 17646-03-2007



Howard Aviation, Inc.

Repair Station No. TO3R874L
 1401 Fairplex Drive
 La Verne, CA 91750
 Phone: 909-593-2596

DATE: 3/12/2007
 A/C TSN: 4935.8
 HOBBS: 4908.8

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DATE

Airframe Entries

Troubleshoot right alternator, found no field voltage. Checked right voltage regulator and it was found to have no field voltage coming out. Jumped regulator to check output of alternator, alternator function good. Replaced voltage regulator with new S/N 80326907. checked function, was good.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 17646-03-2007.

DATE: 3/12/2007

SIGNED:

Robin Howard
 Certified Repair Station No. TO3R874L

Work Order: 17646-03-2007

Printed by EBIS 3 (datcomedia.com)

MAKE: Cessna
 MODEL: 421B
 S/N: 421B-0356
 REG. NO: 421MY
 WORK ORDER:
 17671-03-2007



Howard Aviation, Inc.

Repair Station No. TO3R874L
 1401 Fairplex Drive
 La Verne, CA 91750
 Phone: 909-593-2596

DATE: 3/28/2007
 A/C TSN: 4938
 HOBBS: 4911

Airframe Entries

Removed GNS 530 and GNS 430 and sent to Garmin for WAAS upgrade. Installed new GA35 WAAS antennas S/N 14408 and S/N 14441. Reinstalled upgraded units I/A/W STC SA01933LA. Ops check system, system checks good.... Checked com 1 SWR and found ok. Swapped com 2 coax with com 1 coax, GPS interference was gone, and ground transmit test of both radios was good ... Installed Autopilot Computer P/N 01192-9-9T S/N C617-9178 after repair by S-TEC, function checked ok.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 17671-03-2007.

DATE: 3/28/2007

SIGNED:

Anthony Lange
 Certified Repair Station No. TO3R874L

Work Order: 17671-03-2007

Printed by EBIS 3 (datcomedia.com)

YEAR

DAT

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO: 421MY
WORK ORDER:
17740-04-2007

**Howard Aviation, Inc.**

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 4/5/2007
A/C TSN: 4943.2
HOBBS: 4916.2

Airframe Entries

Removed the Sandel SN3308 and installed a Sandel SN3500 I/A/W manufacturers installation manual. Performed system ops check I/A/W manufacturers check out procedures. System checks good. Completed functional ground test report and provided it to the customer.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 17740-04-2007.

DATE: 4/5/2007

SIGNED:

Robin Howard
Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 17740-04-2007

Printed by EBis 3 (datcomedia.com)

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO: 421MY
WORK ORDER:
17729-04-2007

**Howard Aviation, Inc.**

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 4/6/2007
A/C TSN: 4943.2
HOBBS: 4916.2

Airframe Entries

R&R right inboard aux fuel cell, reinstalled all hardware removed for replacement of fuel cell. Replaced cell bay tape on rivet heads and safety wired bolts main opening. Refilled and checked leaks, none at this time.... Reinstalled pilot's airspeed indicator after repair by Global Tech Instruments. Leak tested system, all ok.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 17729-04-2007.

DATE: 4/6/2007

SIGNED:

Robin Howard
Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 17729-04-2007

Printed by EBis 3 (datcomedia.com)

YEAR:

RECORDING
TACH
TIME

TODAYS 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.)

DATE _____

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO: 421MY
WORK ORDER:
17867-05-2007



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 5/10/2007
A/C TSN: 4960.9
HOBBS: 4933.9

Airframe Entries

Removed rear inner side panel and lower panel. Located upper door piston support bracket and drilled holes for bracket, installed same. Removed upper door inner cover, located and drilled hole for rod end ball, installed same. Replaced cover for upper door and installed door piston, checked function and clearance of door, ok. Reinstalled inner side panels.... Prop device is working correctly, but meter is not functioning. Cleaned contacts on meter, function test good.... Checked alcohol in tank, is good and pump works fine, sprays on windshield.... Checked function of left engine factory CHT, could not find anything wrong with function check. Moved up and down smooth. Cleaned contacts and reinstalled.... Added N2 to right main strut to correct height.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Permanent details of the repair are on file at this Repair Station under Repair Order 17867-05-2007.

DATE: 5/10/2007

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 17867-05-2007

Printed by EBis 3 (datamedia.com)

YE

MAKE: Cessna
 MODEL: 421B
 S/N: 421B-0356
 REG. NO: 421MY
 WORK ORDER:
 17965-06-2007



Howard Aviation, Inc.

Repair Station No. TO3R874L
 1401 Fairplex Drive
 La Verne, CA 91750
 Phone: 909-593-2596

DATE: 6/5/2007
 A/C TSN: 4969 4
 HOBBS: 4942 4

Airframe Entries

R&R left main tire with new 650 x 10 8 ply FLC III tire and inflated to 72 PSI.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 17965-06-2007.

DATE: 6/5/2007

SIGNED:

Robin Howard
 Certified Repair Station No. TO3R874L

Work Order: 17965-06-2007

Printed by EBis 3 (datcomedia.com)

MAKE: Cessna
 MODEL: 421B
 S/N: 421B-0356
 REG. NO: 421MY
 WORK ORDER:
 18189-08-2007



Howard Aviation, Inc.

Repair Station No. TO3R874L
 1401 Fairplex Drive
 La Verne, CA 91750
 Phone: 909-593-2596

DATE: 8/9/2007
 A/C TSN: 4969 4
 HOBBS: 4942 4

Airframe Entries

Lubed both wastes gates with mouse milk.... Drilled out blockage on pilot/copilot windshield anti-ice alcohol spray bars. Functionally checks good.... Drained 18 gals from wing locker tank and removed bladder. Installed new bladder, filled with drained 18 gals, no leaks found.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 18189-08-2007.

DATE: 8/9/2007

SIGNED:

Robin Howard
 Certified Repair Station No. TO3R874L

Work Order: 18189-08-2007

Printed by EBis 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE
DATE			

irs and Alteratio
Certificate Number of
other specific entries

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO: 421MY
WORK ORDER:
17931-05-2007



Howard Aviation, Inc.

Repair Station No: TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 8/31/2007
AVC TSN: 4993.2
HOBS: 4966.2

Airframe Entries

Lubed and/or inspected all pulleys, cables, rodends, and hinges. Packed all wheel bearings. Cleaned fuel strainer. Serviced battery and hydraulic reservoirs. Inspected ELT I/A/W FAR 91.207, ELT battery good to 4/2008. Inspected all fuel cap o-rings and seals. Inspected all lights, pitot heat and stall warning. Cleaned air filters. Performed gear retraction test, no defects noted.... Updated AD list and verified compliance thru bi weekly 2007-16.... Installed Keith Products Air Conditioning System I/A/W STC instructions. Leak checked, charged and ops checked system.... Aligned left prop heat brushes and safety wired.... C/W AD 76-13-07 by replacing main gear fork bolts with new, next due in 5000 hours or 9966 TT.... R&R elevator bearing at attach horn with new, ops check ok.... Inspected tail section deice boots, found valves working but no air pressure to rear boots. Replaced 10" of hose, function tested deice system, no defects noted.... R&R elevator trim tab bearing with new.... Drilled old cherry max top rivets from oil filter bracket on left engine and replaced with new.... Re-rgged flap preselect, per Cessna service manual. Adjusted preselect control cable rod end. Adjusted micro switches for 0° & 45°, Adjusted flap motor limit safety switches. Tested flaps through full travel 3 times with no defects found.... Properly safetied all turnbuckles under center floor boards, using single wrap method from AC 43.13.... Replaced both nose wheel races and bearings.... Installed new fog window on Emergency window and reglued seal between fog window and window. Installed Emergency exit.... Removed old placards and applied new placards on right and left static port.... Replaced missing screws on right nacelle cargo compartment interior aft rib.... Stop drilled right engine oil filter support bracket.... Installed new right main gear down lock switch tab, ops checked ok.... Right bottom cowl crack stop drilled, replaced rivets on doubler I/A/W AC43-13 Manual.... Right tip tank bottom rivnut plate leak, cleaned up old PRC & applied new PRC. Also fuel pump gasket was leaking, replaced fuel pump gasket.... Serviced and inspected nose shimmy damper.... Rotated right main tire on wheel.

I certify this aircraft N421MY has been inspected in accordance with an Annual Inspection and repaired in accordance with current Federal Aviation Regulations and was determined to be in an airworthy condition. Pertinent details of the repair are on file at this Repair Station under Repair Order 17931-05-2007.

DATE: 8/31/2007

SIGNED: *Robin Howard*

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 17931-05-2007

Printed by EBis 3 (datcomedia.com)

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG NO: 421MY
WORK ORDER
18368-09-2007



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 9/21/2007
A/C TSN: 5000.9
HOBBS: 4973.9

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ber of
entries.)

Airframe Entries

Complied with Garmin Software Service Bulletin No. 0702 Revision A which upgraded the GDL 69A P/N 011-00987-00 S/N 47755865 software to Version 3.10 from version 3.02.... Complied with Garmin Software Service Bulletin No. 0717 Revision A which updated the GMX 200 software to Version 2.12. Removed the existing GMX 200 AFMS and replaced it with GMX 200 AFMS P/N 190-00607-01 Revision B.... Installed OAT probe as per the Garmin GTX330 installation instructions. Tested probe and both the 530 and the 330 display the temperature.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 18368-09-2007.

DATE: 9/21/2007

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 18368-09-2007

Printed by EBIS 3 (datcomedia.com)

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG NO: 421MY
WORK ORDER
18374-09-2007



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 9/21/2007
A/C TSN: 5000.9
HOBBS: 4973.9

Airframe Entries

Removed left tip tank tail cone, found landing light wired wrong. Wired correctly, works good, reinstalled tail cone.... Checked alternator out sensor and found broken wire at butt splice, reconnected broken wire and checked function, ok.... Checked strut level and 1/2" higher on left than right side. Lowered left to match right side at 4.25".

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 18374-09-2007.

DATE: 9/21/2007

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 18374-09-2007

Printed by EBIS 3 (datcomedia.com)

R:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
E				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Chino Airport
Chino Aircraft Interior
7000 Merrill Ave.
Hanger 4 Box 64
Chino Ca. 91710
(909) 393- 5814

Model: Cessna 421B
Date: October 4, 2007
S/N: 421B-0356
Work Order# C0793
Hobbs Hours: 0026.6
Nnumber: N421MY

- 1) Re-upholstered headliner in Columbia c0286 Hurricane.
- 2) Fabricate cabin curtains in Fusionsite 2828

All materials used in the refurbishment of this interior have been demonstrated compliance with FAA requirements as outlined in FAR23.853.

Felipe Santoyo A & P 323661525 x

Felipe Santoyo

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

MAKE Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO: 421MY
WORK ORDER:
18395-09-2007



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 10/12/2007
A/C TSN: 5007 2
HOBBS: 4980 2

Airframe Entries

Removed bottle for refill and testing. Installed bottle after refilling, checked bottle for function after connections were made, could not get green ok light on left fire bottle. Checked instrument in panel for bad light, all lights good. Rechecked all connections, were correct. Troubleshoot and found that fire bottle squibb was bad. Replaced squibb and checked system again, system check is good.... Removed left engine tach canon plug, was falling apart. Wire connection came out back of plug when removed. Checked for correct wiring from back of gauge in panel to canon plug. Soldered new canon plug in place. Checked function, ok.... Changed 429 data on the 330 from port 2 to port 1. Port 2 is not putting data out when when 330 is in standby. Ops checked good.... Checked engine for fuel leaks or induction leak, none found. Did move TIT probe wires from exhaust Y.... Checked fuel selector for function and leakage, function is good and no leakage when at shut off at sump. Checked fuel sump screens, ok. Checked all induction for possible leaks, none found. Removed and cleaned all injectors, reinstalled after cleaning. Test flew, adjusted left engine fuel flow increase after test flight.... Adjusted left engine aneroid out 1/2 turn.... Adjusted left idle mixture 1/2 turn CCW.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 18395-09-2007.

DATE: 10/12/2007

SIGNED

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 18395-09-2007

Printed by EBIS 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS 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.)
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DATE

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER
18456-10-2007

HOWARD AVIATION, INC.
Avionics - Maintenance
Sales and Service

Howard Aviation, Inc.

Repair Station No. T03R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 10/29/2007
A/C TSN: 5013 5
HOBS: 4986 5

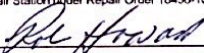
Airframe Entries

Ops checked all transponder functions. Ops checked ok. Ohmed out coax and its was ok. Checked to determine if it was ohming to ground, and it was not. Sent KT76A out for repair, no defects found. Determined unit not seating in tray correctly. Repaired tray fit. Reinstalled unit. Transponder tests good.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 18456-10-2007.

DATE: 10/29/2007

SIGNED:



Work Order: 18456-10-2007

Robin Howard
Certified Repair Station No. T03R874L

Printed by EBis 3 (datamedia.com)

YEAR:	RECORDING TACH TIME	TODAYS 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.)
DATE				

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO: 421MY
WORK ORDER:
18825-02-2008

HOWARD AVIATION, INC.
Aircraft Maintenance

Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 2/8/2008
A/C TSN: 5022 4
HOBBS: 4995 4

Airframe Entries

Complied with Garmin Software Service Bulletin No. 0740 Revision A which upgraded the GNS 430W P/N 011-01060-40 S/N 97100634 Main Software from Version 2.0 to Version 3.00 and the GPS Software from Version 2.4 to Version 3.0. A revised AFMS P/N 190-00356-03 Revision A was installed in the aircraft.... Complied with Garmin Software Service Bulletin No. 0740 Revision A which upgraded the GNS 530W P/N 011-01064-45 S/N 78302532 Main Software from Version 2.0 to Version 3.00 and the GPS Software from Version 2.4 to Version 3.0. A revised AFMS P/N 190-00357-03 Revision A was installed in the aircraft.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 18825-02-2008.

DATE: 2/8/2008

SIGNED

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 18825-02-2008

Printed by EBis 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS 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.)
DATE				

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER
19483-08-2008



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone 909-593-2596

DATE 8/15/2008
A/C TSN 5058 1
HOBBS 5031 1

Airframe Entries

Retrive aircraft from customers hangar for maintenance..... Tested pitot system and verified pitot airspeed reads low. Removed unit for overhaul by Global Tech. Reinstalled overhauled airspeed indicator, and leak tested pitot static system. No leaks found.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 19483-08-2008

DATE 8/15/2008

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 19483-08-2008

Printed by EBis 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS 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.)
DATE				

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER
19558-09-2008



Howard Aviation, Inc.

Repair Station No TO3R874L
1401 Fairplex Drive
La Verne CA 91750
Phone 909-593-2596

DATE 10/17/2008
A/C TSN 5062 1
HOBBS 5035 1

Airframe Entries

Lubed and/or inspected all pulleys, cables, rodends, and hinges. Packed all wheel bearings. Cleaned fuel strainer. Serviced battery and hydraulic reservoirs. Inspected all fuel cap o-rings and seals. Inspected all lights, pitot heat and stall warning. Replaced air filters. Performed gear retraction test, no defects noted. Updated AD list and verified compliance thru bi weekly 2008-17. One rivet plate on left tip tank slight leakage. Replaced screw with small amount of PRC in screw hold. No more seepage. Replaced ELT battery & tested ELT I/A/W FAR 91 207, battery good to 10/2010. Removed old broken rivets and drilled out two #4 rivets. Installed rivet nut plate with #4 rivets. Removed fire bottle for hydro test. Reinstalled left engine fire bottle after hydro test. Installed missing stop block and front stop for co-pilots seat. Replaced all fuel cap o-rings. Replaced right fuel screen bowl seal with new. Reglued all loose velcro stripping for carpeting. Serviced shimmy damper with fluid.

I certify this aircraft N421MY has been inspected in accordance with an Annual Inspection and repaired in accordance with current Federal Aviation Regulations and was determined to be in an airworthy condition. Pertinent details of the repair are on file at this Repair Station under Repair Order 19558-09-2008

DATE: 10/17/2008

SIGNED

Robin Howard

Certified Repair Station No. TO3R874L

Work Order: 19558-09-2008

Printed by EBis 3 (datcomedia.com)

R:	RECORDING TACH TIME	TODAYS 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.)
E				

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER
19783-12-2008



Howard Aviation, Inc.

Repair Station No. TQ3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone 909-593-2596

DATE 12/12/2008
A/C TSN 5072 8
HOBBS 5045 8

Airframe Entries

Installed a Shadin Digidata in the nose avionics bay to provide winds aloft and true airspeed on the Garmin GPS units I/A/W manufacturers installation manual. Performed system ops check I/A/W manufacturers check out procedures. System checks good... Replaced taxi light with new.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 19783-12-2008.

DATE: 12/12/2008

SIGNED:

Work Order: 19783-12-2008

Robin Howard
Certified Repair Station No. TQ3R874L

Printed by EBis 3 (datcomedia.com)

YEAR:

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO. 421MY
WORK ORDER:
19954-02-2009

**Howard Aviation, Inc.**

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 2/10/2009
A/C TSN: 5079 1
HOBBS: 5052 1

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of
ies.)

DATE

Airframe Entries

Replaced missing and broken cam locks on battery box lid...Checked nose tire filler tube, serviced tire to 42 psi...Cleaned fuel stains off right main gear door. Watch for future stains.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 19954-02-2009.

DATE: 2/10/2009

SIGNED:

Robin Howard
Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 19954-02-2009

Printed by EBis 3 (datcomedia.com)

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO. 421MY
WORK ORDER:
20037-03-2009

**Howard Aviation, Inc.**

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 3/2/2009
A/C TSN: 5079 8
HOBBS: 5052 6

Airframe Entries

Complied with Garmin Software Service Bulletin No. 0848 Revision A which upgraded the GNS 430W P/N 011-01060-40 S/N 97100634 Main Software from Version 3.10 to Version 3.20 and the GPS Software from Version 3.1 to Version 3.2...Complied with Garmin Software Service Bulletin No. 0848 Revision A which upgraded the GNS 530W P/N 011-01064-45 S/N 78302532 Main Software from Version 3.10 to Version 3.20 and the GPS Software from Version 3.1 to Version 3.2.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 20037-03-2009.

DATE: 3/2/2009

SIGNED:

Robin Howard
Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 20037-03-2009

Printed by EBis 3 (datcomedia.com)

YEAR:

MAKE: Cessna
MODEL 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER
20040-03-2009

**Howard Aviation, Inc.**

Repair Station No. T03R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone 909-593-2596

DATE: 3/4/2009
A/C TSN 5083.4
HOBBS 5056.4

DATE

Airframe Entries

Removed data line between GMX 200 and RS232 port one on the GNS 530W and ran a new single shielded wire between the GMX 200 and RS232 port four out on the GNS 530W for MapMX. System tested good. Complied with Garmin Software Service Bulletin No 0905 Revision A which updated the GMX 200 S/N 38300388 to Version 2.13... Complied with Garmin Software Service Bulletin No 0852 Revision A which upgraded the GDL 69A P/N 011-00987-00 S/N 47755865 software from Version 3.2 to Version 3.30.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 20040-03-2009.

DATE: 3/4/2009

SIGNED: 

Robin Howard
Certified Repair Station No. T03R874L

Work Order: 20040-03-2009

Printed by EBis 3 (datcomedia.com)

MAKE: Cessna
MODEL 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER
20273-05-2009

**Howard Aviation, Inc.**

Repair Station No. T03R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone 909-593-2596

DATE: 5/5/2009
A/C TSN: 5091.3
HOBBS: 5064.3

Airframe Entries

Complied with Garmin Software Service Bulletin No. 0846 Revision A which updated the GTX 330 S/N 84111424 Software from Version 4.04 to Version 6.00.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 20273-05-2009.

DATE: 5/5/2009

SIGNED: 

Robin Howard
Certified Repair Station No. T03R874L

Work Order: 20273-05-2009

Printed by EBis 3 (datcomedia.com)

YE/

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG NO: 421MY
WORK ORDER
20468-07-2009



Howard Aviation, Inc.

Repair Station No: T03R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2595

DATE: 8/12/2009
A/C TSN: 51001
HOBBS: 50731

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DA

Airframe Entries

Removed RMI for repair. Reinstalled after overhaul by Global Tech Instruments. Secured hoses and connectors. R&R right engine alternator for repair by Aero Accessories. reinstalled with new gasket. Torqued nuts to spec. Function tested. all normal

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 20468-07-2009

DATE: 8/12/2009

SIGNED

Robin Howard
Certified Repair Station No: T03R874L

Work Order: 20468-07-2009

Printed by EBis 3 (datamedia.com)

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG NO: 421MY
WORK ORDER
20835-11-2009



Howard Aviation, Inc.

Repair Station No: T03R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2595

DATE: 11/19/2009
A/C TSN: 51098
HOBBS: 50828

Airframe Entries

Removed the existing Directional Gyro and Flux Detector and installed a serviceable KG102A Directional Gyro S/N 50348 and KMT112 Flux Valve S/N 6B190 I/A/W manufacturers installation manual. Performed a compass swing test and adjustment. Performed system ops check I/A/W manufacturers check out procedures. System checks good

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 20835-11-2009

DATE: 11/19/2009

SIGNED

Robin Howard
Certified Repair Station No: T03R874L

Work Order: 20835-11-2009

Printed by EBis 3 (datamedia.com)

**RECORDING
TACH
TIME**

**TODAYS
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.)

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG NO. 421MY
WORK ORDER
20801-10-2009

HOWARD AVIATION, INC.
Aircraft Maintenance
Repair Station No. TO3R874L

Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 11/20/2009
A/C TSN 5109 8
HOBBS 5082 8

Airframe Entries

Lubed and/or inspected all pulleys, cables, rodends, and hinges. Packed all wheel bearings. Cleaned fuel strainer. Serviced battery and hydraulic reservoirs. Inspected ELT IAW FAR 91.207, ELT battery good to 8/2010. Inspected all fuel cap o-rings and seals. Inspected all lights, pitot heat and stall warning. Inspected air filters. Performed gear retraction test, no defects noted. Updated AD list and verified compliance thru bi weekly 2009-20. Troubleshot surface wing device not working. Found large tears and holes in vertical boot. Applied large area boot patch. Disassembled nose wheel, cleaned and inspected all hardware and wheel halves bolts. R&R tire with a new 600x6 6 ply FLC III and nuts with new. Torqued to 120" lbs. Repacked bearings, reinstalled wheel and tire assembly to aircraft. Removed O2 bottle for hydro test. Reinstalled bottle and secured. Serviced to 1850 psi, no leaks found. New due date 10/2012. Cleaned suspected leak areas in left wing tip tank. Resealed three sealed nutplates in mid section and aft rivet row for bulkhead support. Reinstalled fuel pump. Refueled left wing no leaks detected. Reinstalled landing light and fairings. R&R working rivets on the left hand wing outboard of the nacelle for wing access panel. R&R working rivets aft of the right hand outboard landing gear door. Replaced missing left main gear door seals with new, cut to fit and installed. Replaced missing cotter pins on left engine exhaust crossover. Rotated left hand gear retracting arm attaching hardware to face the proper direction in wheel well. Performed several gear swings. Ops check good at this time. R&R locking tabs with new for the right hand engine aft shock mounts. Tightened right engine aft mount on beam and safetied bolt heads. Troubleshot heater operation intermittent. Found fuel rotary pump leaking from shaft. R&R fuel pump with overhaul exchange, ops check ok. Removed forward nose floor panel. Removed broken heater inlet screen. Fabricated and installed new screen. Defueled left wing tip tank. Removed left wing tip tank aft support bulkhead. Transferred brackets and nutplates to new bulkhead. Installed and riveted new bulkhead.

I certify this aircraft N421MY has been inspected in accordance with an Annual Inspection and repaired in accordance with current Federal Aviation Regulations and was determined to be in an airworthy condition. Pertinent details of the repair are on file at this Repair Station under Repair Order 20801-10-2009.

DATE: 11/20/2009

SIGNED:



Work Order: 20801-10-2009

Robin Howard
Certified Repair Station No. TO3R874L

Printed by EBIS 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS 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.)
DATE				

MAKE: Cessna
MODEL 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER
20908-12-2009

HOWARD AVIATION, INC.
Avionics - Maintenance

Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 12/10/2009
A/C TSN 5112 5
HOBBS 5085 5

Airframe Entries

Troubleshoot right alternator inop, found voltage regulator fuse blown. R&R fuse with new, test ran aircraft no defects found. Checked alternator wiring for shorts, none found. Also test flown with no defects found. Tightened pilots side post light receptacle. Ops check ok. Troubleshoot stall warning heat and static vent heat. Found heat probes open. Removed and replaced static vents with new. Installed and secured wiring. Ops check ok. Replaced stall warning heat probe with new. Reinstalled and secured wiring ops check ok.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 20908-12-2009.

DATE: 12/10/2009

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 20908-12-2009

Printed by EBIS 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS 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.)
DATE				

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO: 421MY
WORK ORDER:
20938-12-2009

HOWARD AVIATION, INC.
Avionics - Maintenance
and Service

Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 12/22/2009
A/C TSN 5117.3
HOBBS 5090.3

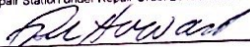
Airframe Entries

Replaced several post light power wires and tightened several post... Troubleshoot vacuum system, found vacuum system hooked up incorrect, hooked up vacuum system correct and adjusted both regulators to correct vacuum.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 20938-12-2009.

DATE: 12/22/2009

SIGNED:



Robin Howard
Certified Repair Station No TO3R874L

Work Order: 20938-12-2009

Printed by EBis 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER
20975-01-2010

HOWARD AVIATION, INC.
Repair Station - Maintenance

Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE 1/6/2010
A/C TSN 5121.5
HOBBS 5094.5

Airframe Entries

Troubleshoot aileron trim indicator not working. Found gear assembly dislodged. Realigned and secured gear assembly. Lubricated indicator slide bracket. Removed pilots seat. removed O2 gauge and line, removed vacuum system gauge. Disassembled vacuum gauge, cleaned and checked operation of buttons. Repainted buttons to match and reassembled. Flushed out vacuum lines going to manifold. Reinstalled and secured vacuum gauge and lines. Reinstalled and secured O2 gauge and line. Serviced O2 system to 1850 psi.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 20975-01-2010.

DATE: 1/6/2010

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 20975-01-2010

Printed by EBIS 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS 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)
DATE				

MAKE: Cessna
MODEL: 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER:
21069-02-2010



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 2/19/2010
A/C TSN 5124 9
HOBBBS 5097 9

Airframe Entries

Removed factory visors and installed Rosen visors per STC #SA5137NM...Adjusted main fuel tank quantity indication.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 21069-02-2010.

DATE: 2/19/2010

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 21069-02-2010

Printed by EBis 3 (datcomedia.com)

RECORDING TACH TIME	TODAYS 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.)
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MAKE Cessna
MODEL 421B
S/N 421B-0356
REG. NO 421MY
WORK ORDER
21203-04-2010



Howard Aviation, Inc.

Repair Station No. T03R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE 4/2/2010
A/C TSN 5134 2
HOBBS 5107 2

Airframe Entries

Bled left brake. Adjusted right engine fuel flow aneroid. Installed new camlock on nose baggage.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 21203-04-2010

DATE 4/2/2010

SIGNED

Robin Howard

Certified Repair Station No. T03R874L

Work Order: 21203-04-2010

Printed by EBis 3 (datcomedia.com)

YEAR:

RECORDING
TACH
TIMETODAYS
FLIGHTTOTAL
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.)

DATE

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG NO: 421MY
WORK ORDER
21252-04-2010

**Howard Aviation, Inc.**

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 4/26/2010
A/C TSN: 51346
HOBS: 51076

Airframe Entries

The static pressure system was inspected and tested in compliance with FAR 91.411. The altimeter instrument was calibrated to an altitude of 30 thousand feet in compliance with FAR 91.411. The ATC transponder was tested and inspected in compliance with FAR 91.413. Automatic altitude reporting equipment was tested and calibrated in compliance with FAR 91.411...Chased leak and found ADC in nose of aircraft leaking. Removed ADC and sent for repair. Capped and retested within limits.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 21252-04-2010.

DATE: 4/26/2010

SIGNED


Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 21252-04-2010

Printed by EBis 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE
DATE			

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.)

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG NO: 421MY
WORK ORDER
21260-04-2010



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 5/19/2010
A/C TSN: 5136.5
HOBBS: 5109.5

Airframe Entries

Reinstalled Fuel / Air Data Computer P/N 912802 S/N 1057 after repair. Performed leak test and operational test. All tests good.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 21260-04-2010.

DATE: 5/19/2010

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 21260-04-2010

Printed by EBis 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS 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.)
DATE				

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG. NO 421MY
WORK ORDER
21396-06-2010



Howard Aviation, Inc.

Repair Station No. T03R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2595

DATE: 6/23/2010
A/C TSN 5143 9
HOBBS 5116 9

Airframe Entries

Found loose connection at left starter solenoid, secured connections and tested good...Bleed right brakes as required...Serviced O2 to 1850 psi...Serviced tires as required.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 21396-06-2010

DATE: 6/23/2010

SIGNED:

Robin Howard
Certified Repair Station No. T03R874L

Work Order: 21396-06-2010

Printed by EBis 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS 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.)
DATE				

MAKE: Cessna
MODEL: 421B
S/N: 421B 0356
REG NO: 421MY
WORK ORDER
21482-07-2010



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 7/23/2010
A/C TSN: 5159 1
HOBBS: 5132 1

Airframe Entries

Disconnected wires from left engine relay, removed relay and filed and cleaned contacts, applied corrosion-x and closed relay.
Reinstalled and attached wires on relay. Function test good...Installed new tail strobe S/N 36936 on top of rudder and added weight
to make it weigh the same as the removed rotating beacon. Form 337 completed...Secured visors as required...AD 2010-07-08 N/A
by serial numbers of installed turbochargers

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection
Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements.
Pertinent details of the repair are on file at this Repair Station under Repair Order 21482-07-2010

DATE: 7/23/2010

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 21482-07-2010

Printed by EBis 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS 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)
DATE				

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG. NO 421MY
WORK ORDER
21560-08-2010



Howard Aviation, Inc.

Repair Station No. T03R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE 8/20/2010
A/C TSN 51643
HOBBS 51373

Airframe Entries

Troubleshoot air conditioning not cooling. Condenser fan was inop. Removed motor from fan assembly. Removed, cleaned and resealed brushes. Reinstalled motor to fan assembly. System function checks properly. Secured left fuel selector metal trim. Removed and replaced left main tire with a 650x10 B ply FLC III tire and painted wheel.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 21560-08-2010.

DATE: 8/20/2010

SIGNED:

Robin Howard
Certified Repair Station No. T03R874L

Work Order: 21560-08-2010
Printed by EBis 3 (datcommedia.com)

YEAR:	RECORDING TACH TIME	TODAYS 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.)
DATE				

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO: 421MY
WORK ORDER:
21841-12-2010



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 12/22/2010
A/C TSN: 5172 5
HOBBS: 5145 5

Airframe Entries

Lubed and/or inspected all pulleys, cables, rodends, and hinges. Packed all wheel bearings. Cleaned fuel strainer. Serviced battery and hydraulic reservoirs. Replaced all fuel cap o-rings and seals. Inspected all lights, pitot heat and stall warning. Cleaned air filters. Performed gear retraction test, no defects noted...Updated AD list and verified compliance thru bi weekly 2010-23...Re glued velcro on carpet...Troubleshoot left engine starter. Removed starter switch and installed new starter switch. Function checks properly...Found tail strobe unplugged at power supply. Plugged back in, all system check ok...Serviced both accumulators...Replaced both terminals on left engine prop sync...Replaced ELT battery & tested ELT I/A/W FAR 91.207, battery good to 3/2013...Replaced all fuel cap o-rings...Adjusted elevator cable tension to correct tension...Tightened fittings on master cylinders and cleaned all fluid off...Drained fuel from right tip tank and put into aux tank and removed filler cap from tip tank and sealed nut plates with prc sealant and reinstalled filler cap...Cleaned fuel stains in right wing near wing attach bolts and tightened fuel line...Glued down deice boot patches on both inboard deice boots...Tightened elevator torque tube taper bolts...Removed shimmy dampener and serviced with new fluid...Filled O2 system to 1850 psi and checked for leaks, none found at this time...Cleaned and painted exposed metal on nose strut...Removed right engine starter switch and installed new starter switch.

I certify this aircraft N421MY has been inspected in accordance with an Annual Inspection and repaired in accordance with current Federal Aviation Regulations and was determined to be in an airworthy condition. Pertinent details of the repair are on file at this Repair Station under Repair Order 21841-12-2010.

DATE: 12/22/2010

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 21841-12-2010

Printed by EBis 3 (datcomedia.com)

YEAR:

RECORDING
TACH
TIMETODAYS
FLIGHTTOTAL
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.)

DATE

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER
21872-12-2010**Howard Aviation, Inc.**Repair Station No. T03R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone 909-593-2596

DATE: 12/22/2010

A/C TSN 5172 5

HOBBS 5145 5

Avionics Entries

Troubleshoot #2 King KT76A transponder inop. Found #2 King KT76A transponder to have no transmit power. Removed transponder for repair and installed loaner. Removed loaner KT76 and installed KT76, performed operational test, test passed.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 21872-12-2010.

DATE: 12/22/2010

SIGNED

A handwritten signature in black ink, appearing to read 'Robin Howard', is written over a horizontal line.

Work Order: 21872-12-2010

Robin Howard
Certified Repair Station No. T03R874L

Printed by EBis 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE
-------	---------------------------	------------------	-----------------------------

DATE

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.)

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO: 421MY
WORK ORDER:
21936-01-2011

**Howard Aviation, Inc.**

Repair Station No. T03R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 2/11/2011
A/C TSN: 5184.1
HOBBS: 5157.1

Airframe Entries

Installed new nose steering block all system checked out ok...R&R right main tire 650 x 10 8 ply FLC III and tube with new...Installed new GILL G246 battery S/N G02497569

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 21936-01-2011

DATE: 2/11/2011

SIGNED:

Robin Howard
Robin Howard
Certified Repair Station No. T03R874L

Work Order: 21936-01-2011

Printed by EBIS 3 (datcomedia.com)

AR:	RECORDING TACH TIME	TODAYS 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.)
TE				

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG NO. 421MY
WORK ORDER:
22032-02-2011



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 3/4/2011
A/C TSN 51893
HOBBS 51623

Airframe Entries

Adjusted fuel flow right engine. Adjusted oil pressure up on right engine and down on left engine... Adjusted prop control levers.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 22032-02-2011.

DATE: 3/4/2011

SIGNED

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 22032-02-2011

Printed by EBis 3 (datcomedia.com)

YEAR

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER
22348-07-2011

**Howard Aviation, Inc.**

Repair Station No TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone 909-593-2596

DATE 7/22/2011
A/C TSN 5217.2
HOBBS 5190.2

DATE

Airframe Entries

Swapped pilot and copilot airspeed indicators. Aircraft was test flown and split still in airspeeds...Removed pilot and copilot airspeeds. Reinstalled swapped pilot and copilot airspeeds after bench test, leak tested static system.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 22348-07-2011.

DATE 7/22/2011

SIGNED:

Robin Howard
Certified Repair Station No TO3R874L

Work Order: 22348-07-2011

Printed by EBis 3 (datcomedia.com)

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER
22457-08-2011

**Howard Aviation, Inc.**

Repair Station No TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone 909-593-2596

DATE 8/18/2011
A/C TSN 5234.8
HOBBS 5207.8

Airframe Entries

Added Camguard to both right and left engines...Reset screw on release handle knob of copilot seat. Ops check normal...Plugged in light bulbs for engine start lights...Reattached placard to floor by fuel selector...Air vent trim on left hand passenger floor loose. Reattached vent cover.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 22457-08-2011.

DATE 8/18/2011

SIGNED:

Robin Howard
Certified Repair Station No TO3R874L

Work Order: 22457-08-2011

Printed by EBis 3 (datcomedia.com)

YEAR

DATE

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER
22506-08-2011

**Howard Aviation, Inc.**

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE 8/31/11
A/C TSN 52507
HOBBS 52237

Airframe Entries

Complied with Garmin Software Service Bulletin No. 1120 Revision A which upgraded the GDL 69A P/N 011-00987-00 S/N 47755865 software from Version 3.30 to Version 4.01.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 22506-08-2011.

DATE: 8/31/2011

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 22506-08-2011

Printed by EBis 3 (datcomedia.com)

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER
22562-10-2011

**Howard Aviation, Inc.**

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE 11/2/2011
A/C TSN 52507
HOBBS 52237

Airframe Entries

Drained right aux tank and removed aux fuel pump. Installed new pump S/N 151571 and refueled tank and ran pump with no defects found.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 22662-10-2011.

DATE: 11/2/2011

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 22662-10-2011

Printed by EBis 3 (datcomedia.com)

48412

SERVICE BULLETINS

AD's

O/H MANUAL #



OF OKLAHOMA, INC.
 FAA APPROVED REPAIR STATION
 CRS # RYJRB29L
 2740 N. SHERIDAN - TULSA, OK 74115
 800-255-9924 - PH 918-835-9924 - FAX 918-835-3681

P.O.# M10791
 SHIP VIA UPS Blue

MAINTENANCE TRAVELER

OVERHAUL

REPAIR

EXCHANGE

SALE

CUSTOMER HOWARD AVIATION, INC.WORK ORDER # 48412DATE 10/27/2011

TACH GENERATOR

P/N _____ MFG. _____ S/N _____
 Bearing _____ Gasket _____ Rotor _____ Shaft _____ Pin _____ Coil _____ Seal _____ Plug _____ Assemble _____ Test _____

FUEL BOOST PUMP

P/N 8150-B MFG. WELDON S/N 151571
 Armature _____ Valve Assy _____ Fuel Seal _____ Impeller _____ Coupling _____ Harness _____ Housing _____
 Bearing _____ Spring _____ Field _____ Brush _____ O'Ring _____ Rotor _____ Blade _____ Volts _____
 Amps _____ PPH@ _____ PSI _____ PSI @ Flow _____ With/Without Fittings _____ Assemble _____ Test _____

PART # & NAME P.O.# QUANTITY COST

Weldon SALE

LABOR _____

PARTS _____

SUBTOTAL _____

TAX _____

FREIGHT _____

TOTAL _____

MECHANIC

INSPECTOR

RECORDING
TACH
TIMETODAYS
FLIGHTTOTAL
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.)

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG NO: 421MY
WORK ORDER
22811-12-2011**Howard Aviation, Inc.**Repair Station No: TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596DATE: 1/13/2012
A/C TSN: 5268.5
HOBBS: 5241.5**Airframe Entries**

Lubed and/or inspected all pulleys, cables, rodends, and hinges. Packed all wheel bearings. Cleaned fuel strainer. Serviced hydraulic reservoirs. Inspected ELT I/A/W FAR 91.207. ELT battery good to 3/2013. Inspected all fuel cap o-rings and seals. Inspected all lights, pitot heat and stall warning. Cleaned air filters. Performed gear retraction test, no defects noted. Battery passed capacity test. Updated AD list and verified compliance thru bi weekly 2011-26. Removed both fire bottles to be hydro tested. Reinstalled both fire bottles after being hydro tested by GNA Fire. R&R right tail pipe support bracket with new. Adjusted left engine fuel line on right side of intercooler to keep from chafing. Filled both accumulators to 100 psi with nitrogen. Serviced oxygen system to 1850 psi. Tightened lines at bottle. No leaks noted. Re attached deice line in tail. Sprayed Corrosion X as needed in tail section. Replaced all fuel cap o-rings. Drained fuel from left tip tank and removed left tip tank panels and sealed rivnuts with prc and reinstalled panels and fueled tip tank back up with no leaks found at this time. Filled IPA system with 1 gallon of IPA. Drained fuel from right tip tank and removed right tip tank panels and sealed rivnuts with prc and reinstalled panels and fueled tip tank back up with no leaks found at this time. Jacked aircraft and partially retracted gear to get to panel in right gear wheel and replaced missing bolt under panel just outboard of right gear wheel. Adjusted yaw servo cable tension to 15 lbs. Replaced missing post light on turn and bank indicator. R&R pilot defrost duct from plenum to forward bulkhead. Replaced boot on positive battery terminal. Replaced missing rivets on back side of left wing by outboard flap. R&R right brake linings with new. Replaced nose wheel bearings and races. Adjusted rudder cable tension to 23 lbs.

I certify this aircraft N421MY has been inspected in accordance with an Annual Inspection and repaired in accordance with current Federal Aviation Regulations and was determined to be in an airworthy condition. Pertinent details of the repair are on file at this Repair Station under Repair Order 22811-12-2011.

DATE: 1/13/2012

SIGNED:

A handwritten signature in black ink, appearing to read "Robin Howard", written over a horizontal line.

Robin Howard

Certified Repair Station No: TO3R874L

Work Order: 22811-12-2011

Printed by EBis 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS 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.)
DATE				

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG NO: 421MY
WORK ORDER:
22831-01-2012



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909 593 2596

DATE: 1/13/2012
A/C TSN: 5268 5
HOBBS: 5241 5

Airframe Entries

Installed a Astron 2412-12 voltage converter S/N 2011100258 to provide 14 volt power in cockpit. Astron connected to buss through a circuit breaker...Conducted system operational test, both pilot and copilot altimeter's operate in sync.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 22831-01-2012.

DATE: 1/13/2012

SIGNED:

Work Order: 22831-01-2012

Robin Howard
Certified Repair Station No. TO3R874L

Printed by EBis 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS 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.)
DATE				

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER:
23132-05-2012



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 5/2/2012
A/C TSN: 5273 B
HOBBS: 5246 B

Airframe Entries

R&R right wing outboard fuel access panel gasket with new...Replaced missing camlocks on nose baggage compartment

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 23132-05-2012

DATE: 5/2/2012

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 23132-05-2012

Printed by EBis 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

MAKE: Cessna
MODEL: 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER
23383-08-2012



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909.593.2596

DATE: 9/11/2012
A/C TSN 5274 6
HOBBS 5247 6

Airframe Entries

Installed a Garmin GWX 68 Radar System S/N 47203271 I/A/W manufacturers installation manual. Performed system ops check I/A/W manufacturers check out procedures. System checks good. Installed a Garmin GTN 750 S/N 1ZA011037 I/A/W manufacturers installation manual. Performed system ops check I/A/W manufacturers check out procedures. System checks good. Removed ADF control heads. Bagged and tied up connectors. Moved GTX 330 transponder to center radio stack. Moved KT76C transponder to right hand radio stack.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 23383-08-2012.

DATE: 9/11/2012

SIGNED

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 23383-08-2012

Printed by EBis 3 (dalcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS 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.)
DATE				

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER:
23458-09-2012



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone 909-593-2596

DATE 9/17/2012
A/C TSN 5274 6
HOBBS 5247 6

Airframe Entries

Replaced RS232 Map-MX data wire from GTN 750 to GMX 200. Swapped 429 Nav data wires at Sandel 3500. Installed WX-500 Stormscope RS232 data in to GTN 750. Ops check good... Upgraded the Sandel SN3500 software from level 3.04 to level 4.05 per Sandel Service Information Letter SIL3500-18-A.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 23458-09-2012.

DATE: 9/17/2012

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order 23458-09-2012

Printed by EBis 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS 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)
DATE				

MAKE: Cessna
MODEL: 421B
S/N 421B-0356
REG. NO: 421MY
WORK ORDER:
23768-01-2013



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 1/29/2013
A/C TSN: 5310 8
HOBBS: 5248 8

Airframe Entries

Lubed and/or inspected all pulleys, cables, rodends, and hinges. Packed all wheel bearings. Cleaned fuel strainer. Serviced hydraulic reservoirs. Inspected ELT IAW FAR 91.207, ELT battery good to 3/2013. Inspected all fuel cap o-rings and seals. Inspected all lights, pitot heat and stall warning. Inspected air filters. Performed gear retraction test, no defects noted. Performed battery capacity test, passed. Updated AD list and verified compliance thru bi weekly 2013-01. Removed, tested and reconnected hobbs meter. Adjusted total time to account for time when hobbs meter was not running. Function checks properly. Cleaned left and right windshield alcohol device assemblies, function checks properly. Replaced left main brake linings with new. Removed hose from right nacelle drain and installed new hose and bulkhead fitting. Added fuel and no leaks were noted. Inspected all fuel drains and no defects were found.

I certify this aircraft N421MY has been inspected in accordance with an Annual Inspection and repaired in accordance with current Federal Aviation Regulations and was determined to be in an airworthy condition. Pertinent details of the repair are on file at this Repair Station under Repair Order 23768-01-2013

DATE: 1/29/2013

SIGNED

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 23768-01-2013

Printed by EBis 3 (datcomedia.com)

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG NO: 421MY
WORK ORDER:
23762-01-2013



Howard Aviation, Inc.

Repair Station No. T03R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 1/25/2013
A/C TSN 5310 B
HOBBS 5248 B

Airframe Entries

Activated radar and found radar not working. Tested radar with diagnostics tool. Found configuration fault. Inspected wiring and found all ok. Replaced configuration module and found same fault. Had new ethernet wire run between radar and GDL69. No change. Removed radar and sent in for repair...C/W Garmin Software SB 1236 Revision A which updated the GTN 750 P/N 011-02282-00 S/N 1ZA011037 Software from Version 2.00 to 3.00. Customer was provided with GTN 6XX/GTN 7XX AFMS P/N 190-01007-A2 Revision 2...Gained access to fwd bulk head and baggage area for new ethernet cable routing. Removed existing ethernet cable and installed new cable direct from GWX radar to GTN 750. Interfaced ethernet to GTN 750 and GWX radar. System will be function tested when radar unit returns from repair...Removed ADF long wire antennas. Areas patched with cover plates and or cleaned and painted.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 23762-01-2013.

DATE: 1/25/2013

SIGNED:

Robin Howard
Certified Repair Station No. T03R874L

Work Order: 23762-01-2013

Printed by EBis 3 (datcomedia.com)

YEAR

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER
23866-02-2013



Howard Aviation, Inc.

Repair Station No. T03R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE 2/14/2013
A/C TSN 5314 5
HOBBS 5252 5

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er of
tries.)

DATE

Airframe Entries

Reinstalled GWX 68 radar ART after repair and reinstalled radome. Programmed radar through GTN750. Function tested good. Reinstalled GWX 68 Software Version 2 12 on P/N 011-00883-20 S/N 47203271 I/A/W Garmin Software SB 1302.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 23866-02-2013.

DATE: 2/14/2013

SIGNED

Work Order: 23866-02-2013

Robin Howard

Certified Repair Station No. T03R874L

Printed by EBis 3 (datcomedia.com)

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO: 421MY
WORK ORDER:
23883-02-2013



Howard Aviation, Inc.

Repair Station No. T03R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE 3/8/2013
A/C TSN 5320 7
HOBBS 5258 7

Airframe Entries

R&R right nacelle fuel cap with new... Opened avionics compartment, removed gyro and shelf mounts and brackets from avionics rack to allow access to oxygen tank. Removed oxygen tank for hydro testing. Reinstalled oxygen tank and filled with oxygen. Reinstalled gyro, all shelf mounts and brackets. Replaced missing camlocks. Secured oxygen cable to clamp that was slipping. Replaced oxygen system cable to allow proper function. Installed replacement left strobe flashtube... Replaced ELT battery & tested ELT I/A/W FAR 91.207, battery good to 3/2015... Removed existing OAT probe and checked for correct interface, wiring checks good. Installed a serviceable OAT probe and performed functional check, system checks good.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 23883-02-2013.

DATE: 3/8/2013

SIGNED

Work Order: 23883-02-2013

Robin Howard

Certified Repair Station No. T03R874L

Printed by EBis 3 (datcomedia.com)

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO: 421MY
WORK ORDER:
24005-04-2013



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 4/12/2013
A/C TSN: 5326 8
HOBBS: 5264 8

Airframe Entries

Removed and disassembled emergency door window seal. Cleaned inner window and reapplied seal with adhesive. Reinstalled outer interior cover and placed emergency window back in aircraft. Removed existing left main fuel tank label and installed new label. Removed existing left and right aux fuel tank labels and installed new labels. Inflated all three tires to manufactures pressure specifications. Inflated nose strut to proper height and pressure.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 24005-04-2013.

DATE: 4/12/2013

SIGNED:

Robin Howard
Certified Repair Station No. TO3R874L

Work Order: 24005-04-2013

Printed by EBis 3 (datamedia.com)

YEAR:

TOTAL
TIME IN
SERVICE

Reference of Major Repairs and Major Alterations To

FAA Form ACA-337 by Date, or to the Work Order by Number and the Approving Agency

DATE

MAKE Cessna
MODEL 421B
S/N 421B-0356
REG NO 421MY
WORK ORDER:
24414-09-2013



Howard Aviation, Inc.

Repair Station No. T03R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 9/13/2013
A/C TSN 5335 7
HOBBS 5273 7

Airframe Entries

C/W Garmin Software SB 1320 Revision A which updated the GTN 750 P/N 011-02282-00 S/N 1ZA011037 Main Software to Version 4.10 and the Com Software to Version 2.11. Customer was provided with GTN 6XX/GTN 7XX AFMS P/N 190-01007-A2 Revision 3...C/W Garmin Software SB 1315 Revision A which upgraded the GNS 430W P/N 011-01060-40 S/N 97100634 Main Software from Version 3.30 to 5.03 and the GPS Software from Version 3.2 to 5.0. Customer was provided with 400W Series AFMS P/N 190-00356-03 Revision C and other required documentation. C/W Garmin Software SB 1329 Revision A which upgraded the GDL 69A P/N 011-00987-00 S/N 47755865 software from Version 4.01 to 4.02. Removed the GTX 330 transponder and sent for extended squitter upgrade. Installed a loaner unit. Installed a Garmin GDL39 hardware cable and attached tray to glare shield.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 24414-09-2013.

DATE: 9/13/2013

SIGNED:


Robin Howard
Certified Repair Station No. T03R874L

Work Order: 24414-09-2013

Printed by EBIS 3 (datcomedia.com)

EAR:

TOTAL
TIME IN
SERVICE

DATE

Reference of Major Repairs and Major Alterations To

FAA Form ACA-337 by Date, or to the Work Order by Number and the Approving Agency

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO. 421MY
WORK ORDER:
24440-09-2013**Howard Aviation, Inc.**Repair Station No. T03R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596DATE: 9/18/2013
A/C TSN: 5335.7
HOBBS: 5273.7**Airframe Entries**

Removed inop left hand tip tank transfer pump and installed new transfer pump CA6508092-1A S/N 177, ops checked good.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 24440-09-2013

DATE: 9/18/2013

SIGNED:

Robin Howard
Certified Repair Station No. T03R874L

Work Order: 24440-09-2013

Printed by EBis 3 (datcomedia.com)

YE

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO. 421MY
WORK ORDER
24415-09-2013



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 10/2/2013
A/C TSN: 5335.7
HOBBS: 5273.7

cy

Airframe Entries

Removed loaner and installed upgraded GTX 330ES transponder. The GTX 330ES is ADS-B compliant I/A/W Garmin STC SA01714WI.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 24415-09-2013.

DATE: 10/2/2013

SIGNED

Work Order: 24415-09-2013

Robin Howard
Certified Repair Station No. TO3R874L

Printed by EBis 3 (datcomedia.com)

MAKE: Cessna
MODEL: 421B
S/N: 421B-0356
REG. NO. 421MY
WORK ORDER:
24475-09-2013



Howard Aviation, Inc.

Repair Station No. TO3R874L
1401 Fairplex Drive
La Verne, CA 91750
Phone: 909-593-2596

DATE: 10/2/2013
A/C TSN: 5335.7
HOBBS: 5273.7

Airframe Entries

Troubleshoot cabin heater system. Found the pressure switch to be inop. Replaced pressure switch and ops checked good.

The airframe, engine and/or component identified herein was repaired and inspected in accordance with the current Howard Aviation, Inc. Inspection Manual and the Federal Aviation Regulations under which the operator is certified, and is approved for return to service as per those requirements. Pertinent details of the repair are on file at this Repair Station under Repair Order 24475-09-2013.

DATE: 10/2/2013

SIGNED:

Work Order: 24475-09-2013

Robin Howard
Certified Repair Station No. TO3R874L

Printed by EBis 3 (datcomedia.com)

AD NOTES COMPLIANCE RECORD

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. @ Hrs/Date	Authorized Signature & Number
72-02-01	Propeller attachment nuts	05/04/77	FOUND PREVIOUSLY COMPLIED WITH				
72-03-04	Crankcase vent line ice	08/03/04 4747.40	FOUND N/A BY SERIAL#	X			
72-03-07	Landing gear failure	08/03/04 4747.40	FOUND N/A BY SERIAL#	X			
72-11-08	Auxiliary fuel cell leaks	4747.40 08/03/04	FOUND N/A BY SERIAL#	X			
72-14-08 R1	Flexible hose assemblies	4747.40 08/03/04	FOUND N/A BY DATE		X		
73-13-08	Turbochargers	08/04/04	N/A BY SERIAL#		X		
73-22-01 R1	Fuel in wing leading edge		FOUND PREVIOUSLY COMPLIED WITH	X			
74-20-01	Main landing gear trunnion	08/03/04 4747.40	N/A BY MLG SERIAL #	X			
75-23-08 R5	Engine exhaust system		SUPERSEDED		X		
76-04-03	ARC PA-500A actuators	02/10/78	FOUND PREVIOUSLY COMPLIED WITH		X		
76-08-02 R2	Wing tip nose cap	20/09/75	FOUND PREVIOUSLY COMPLIED WITH		X		
76-13-07	Fork bolts		NOT DUE AT THIS TIME	X			
7-09-02	Windshield inspection	31/03/77	FOUND PREVIOUSLY COMPLIED WITH		X	5000	
8-13-06	Improperly installed seats	19/11/86	FOUND PREVIOUSLY COMPLIED WITH	X			
7-21-02 R1	Fuel filter openings	07/08/89	FOUND PREVIOUSLY COMPLIED WITH	X			
0-02-13	Main landing gear	98/92/04 474.40	NEW BEARING FITTED		X	5747.40	
2-16-18	Seat structural assembly	18/02/93	FOUND PREVIOUSLY COMPLIED WITH	X			
7-01-13	Fuel, oil, or hydraulic hose	08/03/04 4747.40	N/A BY HOSE TYPE	X			
8-04-28	Severe Icing Conditions	10/03/98	FOUND PREVIOUSLY COMPLIED WITH	X			
006-01-16	Detect and correct cracks and corrosion	08/03/04	CLAMPS RENEWED		X	5347.40	

25000017
1A

27-July 2005