

N19519

Book 2



The Standard

# AIRCRAFT LOG

CENTURY FLIGHT SYSTEMS, INC.

KIT NO N80360A-26

SERIAL NO N804082

MINERAL WELLS, TX

ASA-SA-1

DESCRIPTION	AMOUNT
	175.-
SUB TOTAL	
SALES TAX	14.40
TIPS/ MISC	
<b>TOTAL</b>	<b>189.40</b>

OR YOUR RECORD

**Aircraft Record** General Information

Manufacturer Cessna Model 177B

Serial 17702575 Registration Number N19519

Date of Manufacture \_\_\_\_\_

**Engine(s) currently installed:**

Manufacturer Lycoming Model O-360-A1F6 Serial L-22473-36A

Manufacturer \_\_\_\_\_ Model \_\_\_\_\_ Serial \_\_\_\_\_

**Propeller(s) currently installed:**

Manufacturer \_\_\_\_\_ Model \_\_\_\_\_

HUB Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

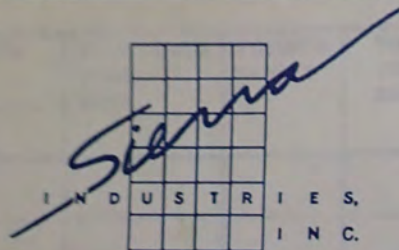
Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

5777

IDENTIFICATION	
PRICE	AMOUNT
	175-
SUB TOTAL	
SALES TAX	14
TIPS/ MISC.	
<b>TOTAL</b>	189

OR YOUR RECORD



**LEADERS IN  
PERFORMANCE,  
SAFETY AND  
TECHNOLOGY**

Garner Municipal Airport  
P.O. Box 5184  
Uvalde, Texas 78802-5184  
TEL 210-278-4381  
FAX 210-278-7649

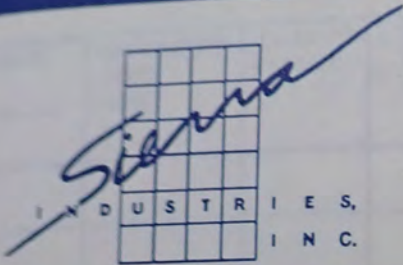
N19519 CESSNA 177 S/N 17702575 HOBBS: 705.1 TACH: 1739.9

Removed nose wheel and fairing and disassembled strut. Repacked nose strut. Repacked nose strut with the following parts: MS 16624-115 ring; P/N 1743015-1 bearing; P/N 1743032-1 ring lock; P/N 1743016-1 ring; P/N SII065-20T ring wiper; P/N 5-330N674-70 oring; P/N MS 28775-128 packing. Reassembled nose strut and filled with 5606 fluid and inflated to 40 psi as per Cessna Maintenance Manual, Chapter 5. No leaks noted.

-----END-----

PHILLIP GARRISON AP 460089618 for SIERRA INDUSTRIES, INC.  
CRS# SI6R285J

*Phillip Garrison*



**LEADERS IN  
PERFORMANCE,  
SAFETY AND  
TECHNOLOGY**

Garner Municipal Airport  
P.O. Box 5184  
Uvalde, Texas 78802-5184  
TEL 210-278-4381  
FAX 210-278-7649

August 18, 1998 19519 Cessna 177B, serial 17702575

Hobbs: 733.9; Tach: 1766.4

Performed Annual inspection in accordance with Cessna 177 Service Manual, section 2. Removed all access plates to facilitate inspection. Checked all flight controls for security and freedom of travel. Replaced R/MLG brake pads with new p/n 066-30026. Replaced ELT battery p/n BP-1010 with new battery p/n BP-1010. Date expires September 00. ELT transmitter tested IAW FAR 91.205 (d) and found satisfactory. Serviced nose strut IAW Cessna Service Manual, section 5. AD's 87-20-03 seat track locks, found satisfactory. AD 97-01-13 fluid carrying hoses, all hoses installed are braided, no further action required. Checked AD's through 08-03-98M.

I certify that this airframe has been inspected IAW an annual inspection and was determined to be in an airworthy condition.

Ref: Sierra Industries, Inc., work order # 9880..

-----END-----

*Art M. Ybarra*

ART M. YBARRA AP 464215451

for Sierra Industries Inc., CRS #SI6R285J

57  
PRICE  
SUB  
TOTAL  
SALES  
TAX  
TIPS/  
MSC  
TOTAL  
OR YOUR

DATE	RECORDING	TODAY'S	TOTAL
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**LEADERS IN  
PERFORMANCE,  
SAFETY AND  
TECHNOLOGY**

Garner Municipal Airport  
P.O. Box 5184  
Uvalde, Texas 78802-5184  
TEL 210-278-4381  
FAX 210-278-7640

August 18, 1998 19519 Cessna 177B, serial 17702575

Hobbs: 733.9; Tach: 1766.4

Performed Annual inspection in accordance with Cessna 177 Service Manual, section 2.

I certify that this airframe has been inspected IAW an annual inspection and was determined to be in an airworthy condition.

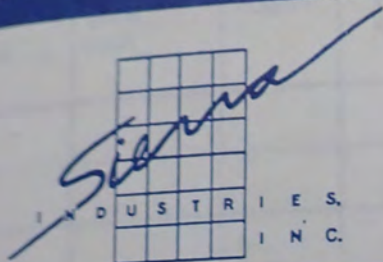
Ref: Sierra Industries, Inc., work order # 9880..

-----END-----

*Xavier Barra*  
XAVIER BARRA

AP 458336671 IA

for Sierra Industries, CRS# SI6R285J



**LEADERS IN  
PERFORMANCE,  
SAFETY AND  
TECHNOLOGY**

Garner Municipal Airport  
P.O. Box 5184  
Uvalde, Texas 78802-5184  
TEL 210-278-4381  
FAX 210-278-7649

9-9-99 Tach: 1861.9 Hobbs: 842.8 N19519 Cessna 177B

Performed annual inspection in accordance with Cessna 177 service manual. ELT inspected and functional checked per FAR 91.205 (d) and found satisfactory. Installed new vacuum regulator filter. Complied with AD 87-20-03 Seat tracks. Checked AD's thru biweekly 99-18M. I certify that this aircraft has been inspected in accordance with an annual inspection and found to be in an airworthy condition. Reference Sierra Industries, Inc. work order 11656.

-----END-----

Steve Lawrence CRS# SI6R285J


5577  
PRICE  
SUB  
TOTAL  
SALES  
TAX  
TIPS/  
MISC  
TOTAL  
FOR YOUR

**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	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
<del>2000</del> 2000				
12/22	1944.1	Hobbs: 938.7		Performed annual Inspection. Replaced Tach Cable PN 52550-2. Replaced Prop. Cable PN 9862067-4. Installed new Aircraft battery PNG-35 SN G-01944028. Replaced Throttle Cable PN 365-549-013. Installed ELT Battery PN BP1010 New battery due date Nov 2002. Functional tested ELT in accordance with FAR 91.205(d). Replaced left main Tire 6X6.00. Resealed and Serviced Nose strut per Cessna Service manual. Replaced landing light PN 4509. Checked AD's thru Biweekly 2000-23. C/w AD 87-20-03R2 seat track Inspection. AD 99-27-02 NA Parts have not been changed. AD 2000-06-01 NA Correct Part Installed. I certify that this Aircraft

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>has been inspected in accordance with an annual inspection and found to be in an airworthy condition.</p> <p><b>END</b></p> <p><i>Gene Lawrence</i> CRS # \$16R2855</p>

**Twin Lakes Avionics**

**Date:** 02-06-01 **Model:** C-177B **S/N:** 17702575 **N#**19519 **W/O#** 3897  
 Removed BFGoodrich WX-900 Stormscope, Updated weight and Balance  
**New EW:1640.0 New CG:104.2**

**Twin Lakes Avionics, CRS: JB4R278M Inspected** *Paul N. Lewis*

557

PRICE

SUB TOTAL

SALES TAX

TIPS/MISC

**TOTAL**

OR YOUR

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
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**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.)

CAROLINA AVIONICS R/S QCCR-389K  
 I certify this transponder MAKE ARC MODEL RT359A  
 SN 9871 has been tested and inspected and found to  
 comply with the requirements of FAR 91.413

Signed W. Smoot WO# 1790 DATE 5-17-01

CAROLINA AVIONICS R/S QCCR-389K  
 I certify that the altimeters, altitude reporting and  
 static system tests required by FAR 91.411 have  
 been performed this  
 Date 5-17-01 WO# 1990 Signed W. Smoot  
 Altimeter SN N3004 Tested to 20,000 feet.



DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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MAKE: Cessna  
 MODEL: 177B  
 S/N: 17702575  
 REG. NO: 19519  
 WORK ORDER: 2329

**Lincoln Park Aviation**  
 425 Beaverbrook Road  
 Lincoln Park, NJ 07005  
 Repair Station No. LKPR101K

DATE: 6/28/2001  
 TTA: 1981.7  
 TACH: 1981.7

**Airframe Entries**

Paint and install customer supplied spinner as per STC# SA01163AT, dated 10-02-96, and filed 337.... Safety wire Propeller....

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. Pertinent details of the repair are on file at this repair station under work order listed above.

DATE: 6/28/2001

SIGNED: X *FRG*

Certified Repair Station No. LKPR101K

**Inspector 2**

WORK ORDER: 2329

Printed by EBis (<http://www.datcomedia.com>)

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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MAKE: Cessna  
 MODEL: 177B  
 S/N: 17702575  
 REG. NO: 19519  
 WORK ORDER: 2326

**Lincoln Park Aviation**  
 425 Beaverbrook Road  
 Lincoln Park, NJ 07005  
 Repair Station No. LKPR101K

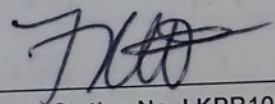
DATE: 6/28/2001  
 TTA: 1981.7  
 TACH: 1981.7

**Airframe Entries**

Serviced nose strut as per Cessna maintenance manual.... Safety wired fuel pump....

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. Pertinent details of the repair are on file at this repair station under work order listed above.

DATE: 6/28/2001

SIGNED: 

Certified Repair Station No. LKPR101K

**Inspector?** WORK ORDER: 2326  
 Printed by EBis (<http://www.datcomedia.com>)

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19__				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
12/10/09				<p>Remove the following Avionics: Cessna Audio Panel, 2 MX 300, RT359A, 403 Intercom, Clock, EGT, IN 514R, IN 525B, R 402 A D.G., R 443B, W18 TCA System, Turn Coordinator, P300 Auto pilot and Transcal Blind Encoder. Install Garmin GMA 340 Audio Panel, GTX 327 transponder, NSD 360A HSI, GNS 530, UPS SL30 NIC, MD 200-306 Ind, Strike Finder, M803-14 Clock, FN 300 cooling fan, JPI EDM 700 with Carb temp, STEC System 30 Auto pilot, <del>Trans</del> Ameri King Blind Encoder AK 350., Shoulder Harness Kit and a Power Flow Exhaust System. Weigh aircraft and compute New Weight + Balance. File FAA 337's for all equipment installed.</p>



Repairs and Alterations  
Recorded with Name, Rating and Certificate Number of Technician or Repair  
Personnel. (See back pages for other specific entries.)

FUNCTION TEST ELT  
BAT. REPLACEMENT DUE  
C & W AERO SERVICES HX1R208K  
SIGNATURE *Phil Muffel*

I CERTIFY THAT THIS AIRCRAFT HAS BEEN  
INSPECTED IN ACCORDANCE WITH AN  
ANNUAL INSPECTION AND WAS DETERMINED  
TO BE IN AIRWORTHY CONDITION. DETAILS  
ON FILE AT THIS AGENCY ON WORK ORDER  
NO. 14245 TACH/HOBBS 1982.1 TT 1982.1  
DATE 12-11-01 SIGNED *Phil Muffel*  
C & W AERO SERVICES INC. CRS #HX1R208K

Reinstall engine after overhaul by Mattitch using new mounts. Comply  
with Cessna Service Bulletin SEB 89-1 Replace stabilator balance  
weight arm brackets and inspect. Replace leaking static surge bottles  
and reseal left side port. Install engine pre heat pad. Remove  
and treat light corrosion on lower Flange of main spar in  
cabin area. Comply with AD 87-20-03 PL Seat + Seat Track,

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
76-07-12		Inspection.		Replace broken airloc fasteners on air filter with camloc studs and receptacles. Replace all SCAT tubing in overhead. Replace engine compartment scot tubing. Replace worn brake linings on both sides, Replace leaking seals on right brake. Replace missing filter in aux fuel pump. Check Compass. Service shimmy damper. Comply with AD Function test ignition switch.



ian or Repair

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p><b>I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. DETAILS ON FILE AT THIS AGENCY ON WORK ORDER NO. <u>16140</u> TACH/HOBBS <u>2190.3</u> TT <u>2190.3</u> DATE <u>25 03</u> SIGNED <u>[Signature]</u> C&amp;W AERO SERVICES INC. CRS #HX1R208K</b></p>

FUNCTION TEST ELT  
 BAT. REPLACEMENT DUE 12-04  
 C & W AERO SERVICES HX1R208K  
 SIGNATURE [Signature]

Remove old strobes, Install Whelen 3 light Comet Flash Strobe System. Remove GTX327, install GTX330 Mode S transponder. Remove Gyro Horizon, Altimeter, Vertical speed and Airspeed Indicators and send out for overhaul. Reinstall same inst. Remove bad chokes on Beacon power supply and replace with ARE Filter. Replace Nose Tire. Replace sun visors. Install customer supplied Boom Beam Landing/Taxi light system. File FAA 337 and revise WtB.

1711

III HIDDEN DAMAGE INSPECTION  
 IV IN-PROCESS INSPECTION

Cleaned & gra  
 New Dial  
 F/T & Mont.

INSPECTOR

V PARTS RECORD

**Inspections, Tests, Repairs and Alterations**

... must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

DATE  
 19\_\_

RECORDING  
 TACH  
 TIME

Check Flag motor and replace all 4 Micro switches  
 Reset rigging. Install JPI EGT 100 system  
 File FAA 337 & Revise WTB. Install light  
 rings on unlighted primary instruments.  
 Replace seals in shimmy damper. Replace  
 out dated ELT Battery. Check SEB 02-7A & TCM CSB w/4  
 Mag capacitors, NA by series. Replace cracked forward mount  
 for vertical stab. Repair crack in right gear leg cover. Repair  
 crack in vert stab cap. Replace gasket on Brackett Air  
 Filter Assy. Replace ADF Sense Antenna with stainless  
 antenna. Replace frayed Park Brake Cable Assy. Replace  
 bad hard mount on right Cowling flap. Replace pilot side

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspection Entries must be endorsed with Name, Rating and Certificate Number or Identification or Repair Facility. (See back pages for other specific entries.)
				<p>Cabin door hinge pins. Replace front seat            Rollers, washers + spacers. Replace vacuum            regulator filter. Replace control instrument            filter. Comply with AD 76-07-12 Function test            Ignition switch. Comply with AD 87-20-03 R2            Seat + Seat Track inspection, OK. Install            Ultra Visor, sun visors, customer supplied            Direct Replacements per PMA No PQ2118NM            Supplement 1 dated 5/13/98, No 337 required.</p>

Repairs and Alterations

C&W AERO SERVICES INC. HX1R208K  
19 Wright Way Suite #3  
Fairfield, NJ 07004  
973-227-5750

Fac

Reg #: N19519 MAKE: Cessna Model: 177B  
Tach: 21903 S/N: 17702578 Date: 2-5-03

The ATC Transponder tests and inspections required by FAR91.413 were performed this date and found to comply with FAR43, Appendix F. The Pitot/Static System has been inspected in accordance with FAR91.411 and was found to be airworthy. Details of these inspections are on file at this repair Station under Work Order No. 16140.

Transponder #1 Make/Model GTX330 S/N 84100212  
Transponder #2 Make/Model - S/N -

[Signature]  
Authorized Signature

DATE  
19  
5/13/03



DATE 19__ 2003	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6-3	JAD 2229.2			<p>Engine Removed, Repaired AND Reinstalled using existing SerVICABLE BUSSES, Exhaust System, Prop, Alternator AND Engine mounts. Replaced Alternator Drive Belt with a New Unit. P/N 37419773-376.</p> <p>Replaced VAC Pump with a New Unit P/N RA215CC S/N A8322. Repaired Alternator output wire at circuit breaker bus.</p> <p>Repaired Alternator Ground wire at Alternator.</p> <p>Replaced Air Filter Element with a New Unit. Engine Grounds Run, Leak checked AND ADJUSTED AS NECESSARY.</p>



**DATE** 19\_\_ **RECORDING TACH TIME** **TODAY'S FLIGHT** **TOTAL TIME IN SERVICE** **Description of Inspections, Tests, Repairs and Alterations**  
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

FUNCTION TEST ELT  
 BAT. REPLACEMENT DUE 12/04  
 C & W AERO SERVICES HX1R208K

SIGNATURE [Signature]

**I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. DETAILS ON FILE AT THIS AGENCY ON WORK ORDER NO. 17480 TACH/HOBBS 2377.2 TT 2377.2 DATE 4-7-04 SIGNED [Signature] C&W AERO SERVICES INC. CRS #HX1R208K**

Fit + Install new nose wheel fairing, FIT and install upper wing strut cover. Remove muffler and muffler support and install defusser, file FAA 337 this date and revise W+B. Replace engine intake air filter element. Replace brake linings. Replace lower cowling snubber. Reindex elevator trim pointer, groove Remove non-slaved NSD360A-15 HSI and install slaved NSD360A-26 system. Revise Weight + Balance and

Installed on A/C # \_\_\_\_\_

Date: \_\_\_\_\_

file FAA 337. Install 5-1cc G-PSS system. Revise  
 Weight + Balance and file FAA 337. Replace broken arm  
 on carb heat control. Replace mag stall warning horn.  
 Replace several torn cowd shock mounts. Install Precise  
 Flight low Vac. Warning light. Comply with AD87-20-03 R2  
 Seat and seat track inspection OK. Comply with AD76-07-12  
 Ignition switch function test OK

Aero Services Inc CRS HX1R208K 19 Wright Way, Suite #3 Fairfield, NJ 07004 973-227-5750

Number: N19519 /Make/Model: Cessna 177B /Year: 1977 /Serial: 17702575

Date: 04-05-2004 /Tach: 2377.2 /Max. Weight: 2500. /Work Order: 17480

Weight And Balance

*Neil Niederfeld*  
Neil Niederfeld

New A/C Empty Weight: 1688.71  
New A/C Empty C.G.: 104.78  
New A/C Useful Load: 811.29

Description	Serial Number	Weight	Arm	Moment	Installed	Removed
Previous Aircraft Empty	17702575	1690.8	104.69	177004.6	n/a	n/a
Removed						
SD360A-15 HSI	14988A	4.60	72.00	331.2		X
Power Flow Muffler		3.50	53.00	185.5		X
Muffler Support		0.50	52.00	26.0		X
Installed						
SD360A-26 Slaved HSI	15513A	4.80	72.00	345.6	X	
PSS Converter	0408-70174A	0.30	65.90	19.8	X	
PSS Switch	0406-2900	0.06	75.00	4.5	X	
Saving Amp.	15095A	0.50	65.50	32.8	X	
Flux Detector	20340	0.40	130.00	52.0	X	
Exhaust Sound Damper		0.50	52.00	26.0	X	
<b>New Aircraft Values</b>		<b>1688.71</b>	<b>104.78</b>	<b>176942.5</b>		

*Revised*

DATE  
11/15/04



	RECORDING TECH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5	2487.1		2487.1	Remove existing air filter. Install Challenge Aviation Products Reusable air filter as per STC SA 01669CH No Weight Change. File FAA337 this date

**C & W AERO SERVICES, INC. CRS HX1R208K**  
 THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, OR APPLIANCE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE F.A.A. AND IS APPROVED FOR RETURN TO SERVICE. DETAILS OF THIS REPAIR ARE ON FILE UNDER WORK

ORDER NO.: 18615      DATE 3/17/05  
 SIGNED [Signature]

Return policy for return instructions. There is a 50% RSF on damaged replacement units.







Aero Service  
 Number: N19519  
 05-2004  
 Empty V  
 Empty C  
 Useful L  
 D  
 Previous Aircraft  
 Removed  
 SD360A-15 H  
 Power Flow Mtr  
 Buffer S  
 Installed  
 SD360A  
 PSS CC  
 PSS SW  
 aving A  
 Air Dete  
 Exhaust

DAT

19

**C&W Aero Services, Inc. CRS# HX1R208K**

19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

WO#: 19628	Tach: 2693.2	TT: 2693.2	ELT Battery Due 5/07
Reg. #: N19519	Serial #: 17702575	Make: Cessna	Model: 177B

1. Comply with Annual Inspection.
2. Check ELT as per 91.207(d).
3. Install customer supplied Horizon Instruments Digital Tach as per STC SA6023NM. Revise weight and Balance and file FAA 337
4. Replace engine compartment flex hoses
5. Inspect forward wing carry thru spar for corrosion, none found. Treat with LPS3
6. Remove OEM main wheels and brakes. Install Cleveland Wheel and Brake kit P/N 199-08400. Revise Weight and Balance and file FAA 337
7. Install new vacuum pump, Sigma Tek 1U478 s/n T830B
8. Install Aerotech Componentsne air filter as per STC SA475CH. Revise Weight and Balance and file FAA 337.
9. Replace gascolator drain cable.
10. Replace central instrument air filter.

©ASA

return policy for return instructions. There is a 50% RSF on damaged replacement units.

ZEFTRONICS Warranty Policy. ZWCQA1 page 1

In or Repair

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DATE  
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- 11. Replace broken cowl shock mount.
- 12. Recrimp cowl flap cable
- 13. Comply with AD87-20-03R2 Seat and seat tract inspection. Visual inspection OK
- 14. Replace vacuum regulator filter.
- 15. Remove oil cooler for overhaul. Reinstall same ground run to check for leaks, none noted.

I certify that this AIRCRAFT has been inspected in accordance with inspections and procedures for an inspection program required by FAA 91.409(a)(1) and has been found to be in AIRWORTHY condition and approved for Return To Service. Permanent details are on file at this Repair Station.

Type Inspection: ANNUAL      Date: 5/1/2006      Authorized Signature: *[Handwritten Signature]*



# C&W Aero Services, Inc. CRS# HX1R208K

19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

DATE  
19\_\_

RE  
TAC  
TIN

WO#: 20904	Tach: 2759.2	TT: 2759.2	ELT Battery Due 6/09
Reg. #: N19519	Serial #: 17702575	Make: Cessna	Model: 177B

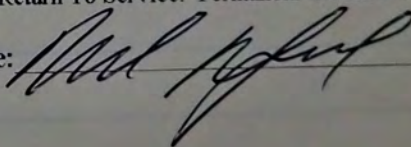
1. Comply with Annual Inspection.
2. Replace ELT Battery BP1010. Check ELT as per 91.207(d).
3. Check reported right brake squealing. Check linings, discs and bearings. Lube brake pins.
4. Retorque stabilator pivot bolts 160/190 inch lbs.
5. Replace lower cowl shock mount.
6. Comply with AD87-20-03 R2 Seat and Seat Track Inspection. Visual inspection OK.
7. Replace Challenger Airfilter gasket.
8. Replace vacuum regulator filter.
9. Replace central instrument air filter.

I certify that this AIRCRAFT has been inspected in accordance with inspections and procedures for an inspection program required by FAR 91.409(a)(1) and has been found to be in AIRWORTHY condition and approved for Return To Service. Permanent details are on file at this Repair Station.

Type Inspection: ANNUAL

Date: 4/13/2007

Authorized Signature:



# C&W Aero Services, Inc. CRS# HX1R208K

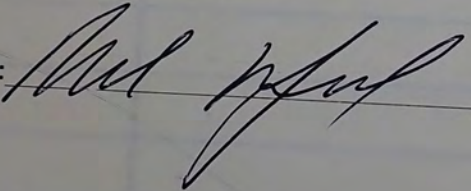
19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

WO# 20904	Tach: 2759.2	Aircraft TT: 2759.2	
Reg #: N19519	Ser #: 17702575	Manuf: Cessna	Model: 177B

The ATC Transponder tests and inspection required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F. The Pitot/Static System has been inspected in accordance with FAR 91.411 and found to be AIRWORTHY. Details of these inspections are on file at this repair station.

Transponder #1 Make/Model: Garmin GTX330

SN: 84100212

Authorized Signature: 

Date: 4/13/2007

Model: 177B

ate and found to  
nce with FAR 91.411

pair

DATE  
19\_\_

RECORDING  
TACH  
TIME

Master Reads	Altimeter Reads	
	Encoder	Altimeter
-1000		
0		100
500		
1000		5
1500		10
2000		150
3000		200
4000		300
6000		39
8000		40
10000		80
12000		100
14000		120
16000		140
18000		160
20000		180
22000		200
25000		
30000		
35000		

C&W Aero services Inc  
19 Wright Way, Suite 3  
Fairfield, NJ 07004  
FAA Repair Station HX1R208K

Altimeter Make: UNI TCO 165227  
Altimeter Model: 5934P-1  
Altimeter S/N: H 3004  
Tested By: JAR  
Date: 4-10-07 Work Order No 20813  
Form No. CWF-013

### C&W Aero Services Inc. CRS HX1R208K

I certify that the following tests were performed on Altimeter model 5934P-1

S/N H3004 in accordance with FAR Part 43 Appendix E as outlined in

Tables I, II, III, and IV. Altimeter tested to 20,000 ft.

Work Order No. 20813 Date: 4-10-07

Performed By: JAR

Form No. CWF-014



**C&W Aero Services, Inc. CRS# HX1R208K**

19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

DATE

19

<b>Reg. #:</b> 21515	<b>Make:</b> Cessna	<b>Model:</b> 177B
<b>Serial #:</b> 17702575	<b>Tach/Hobbs:</b> 2789.3	<b>Total Time:</b> 2789.3

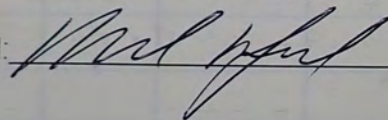
or Repair

Perform 50 Hour Inspection. Change oil and filter. Check Filter/Screen for metal and debris, none found. Service with 7 quarts of Exxon Elite 20w-50 oil.

1. Tighten loose dip stick tube and safety.
2. Replace taxi light lamp with customer supplied lamp.
3. Replace blown fuse on hobbs meter.
4. Comply with Service Bulletin SB366A, visual inspection and torque check (45 in lb)  
Ground run up check OK.

For further details, see Work Order No. 21515

Signed:



Date: 12/26/2007

DATE  
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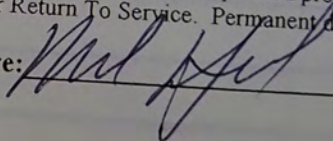
# C&W Aero Services, Inc. CRS# HX1R208K

19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

WO#: 21937	Tach: 2793.0	TT: 2793.0	ELT Battery Due: 6/09
Reg. #: N19519	Serial #: 177-02575	Make: Cessna	Model: 177B

1. Comply with Annual Inspection.
2. Check ELT as per 91.207(d).
3. Tighten loose fitting on top of left brake caliper.
4. Install spiral wrap on chaffing cable in both right and left wing roots.
5. Comply with AD87-20-03 R2 Seat and Seat Track Inspection. Visual inspection Ok
6. Replace central instrument air filter.
7. Perform annual inspection of Power Flow Exhaust System as per Instructions for Continued Airworthiness.
8. Comply with Garmin Service Bulletin SB740 Rev.B. Upgrade GNS530W to version 3.0 Software. Replace Flight Manual Supplement.
9. Replace vacuum regulator filter.

I certify that this AIRCRAFT has been inspected in accordance with inspections and procedures for an inspection program required by FAR 91.409(a)(1) and has been found to be in AIRWORTHY condition and approved for Return To Service. Permanent details are on file at this Repair Station.

Type Inspection: ANNUAL      Date: 4/18/2008      Authorized Signature: 

DATE

### C&W Aero Services, Inc. CRS# HX1R208K

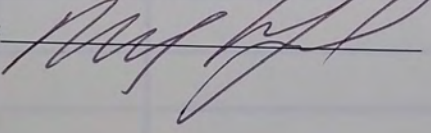
19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

Repair

WO # 22786	Tach: 2798.8	Aircraft TT: 2798.8	
Reg. #: N19519	Ser #:	Manuf.: Cessna	Model: 177B

1. Drain oil and service with 8 quarts Phillips 20/50 preservative oil. Motor engine through to circulate oil and build pressure.
2. Pull battery for storage.
3. Leave spark plug wires loose so engine can be motored over prior to starting to build oil pressure.

This aircraft, airframe, aircraft engine, or appliance was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Permanent details are on file at this Repair Station.

Authorized Signature: 

Date: 11/22/2008

no Serv  
ber: N1  
05-2004  
Empty V  
Empty C  
Useful L  
C  
s Aircraf  
ed  
DA-15 H

Repair

DATE  
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### C&W Aero Services, Inc. CPS# HX1R208K

19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

WO # 25659	Tach: 2798.9	Aircraft TT: 2798.9	
Reg. #: N19519	Ser #: 17702575	Manuf.: Cessna	Model: 177B

1. This aircraft and its records have been inspected and found safe for intended Ferry Flight from N07 Lincoln Park, New Jersey to KCDW Essex County New Jersey for maintenance in accordance with Special Flight Permit dated July 22, 2011
2. Drain Phillips 20/50 Preservative oil from engine, change filter. Service with 7 quarts Phillips 20W50 Type M oil.
3. Remove spark plugs, clean, inspect, gap, test, reinstall and torque.
4. Drain all fuel from aircraft and refuel with fresh 100LL fuel.
5. Check AD's: Comply with AD2011-10-09 Cessna Seat, Seat Rails, Pins and Seat Roller Housings Visual Inspection. Visually inspect the seat rails, seat rollers, washers, axle bolts, bushings, seat roller housings, tangs, and lock pin springs as per section (g) Actions of this AD. No defects noted at this time.
6. Wet down and install new G35 Battery S/N G02555604.
7. Left brake leaking at wheel cylinder. Remove cylinder, disassemble, clean, inspect, polish piston and bore, replace seals, reassemble, reinstall. Bleed system to purge air. Service reservoir.

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return policy for return instructions. There is a 50% RSR on damaged replacement units.

ZEFTRONICS Warranty Policy. ZWCQA1 page 1

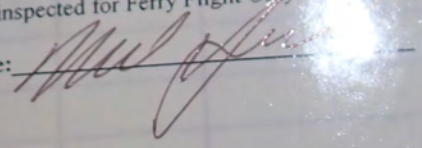
Repair

1778

from N07  
nce with Special  
Phillips 20W50  
Housings Visual  
er housings,  
e.  
h piston and

- 8. Services all 3 tires with air to spec.
- 9. Perform ground run up: Idle 800 RPM, Full Power 2675 RPM, Mag Drop 100 smooth each mag with 30 RPM drop @ ICO.
- 10. Obtain Special Flight Permit from FAA. Install copy in aircraft logs and in aircraft.

This aircraft has been inspected for Ferry Flight Only. All details are on file at this Repair Station.

Authorized Signature: 

Date: 7/22/2011

DATE

19

# C&W Aero Services, Inc. CRS# HX1R208K

19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

WO#: 25659	Tach: 2799.9	TT: 2799.9	ELT Battery Due: 7/13
Reg. #: N19515	Serial #: 17702575	Make: Cessna	Model: 177B

Repair

1. Prepare aircraft for Ferry Flight from Lincoln Park Airport (N07) to Essex County Airport (CDW) for maintenance (Out of Annual Inspection).
  - a. Drain Phillips Preservative oil and service with 8 qts 20W50 XC Type M Phillips oil. Change filter.
  - b. Remove spark plugs to motor over engine to build oil pressure prior to starting.
  - c. Clean spark plugs.
  - d. Drain all fuel from aircraft, including non-useable fuel. Fill with 52 gallons 100LL.
  - e. Wet down and install new battery G35 S/N G02555604
  - f. Research Ad's: Comply with AD2011-10-09 Cessna Seat, Seat Rails, Pins and Seat Roller Housings Visual Inspection. Visually inspect the seat rails, seat rollers, washers, axle bolts, bushings, seat roller housings, tangs, and lock pin springs as per section (g) Actions of this AD. No defects noted at this time.
  - g. Service tires to spec.
  - h. Left brake leaking at wheel cylinder. Remove cylinder, disassemble, clean, inspect, polish piston and bore, replace seals, reassemble, reinstall. Bleed system to purge air. Service reservoir.



DATE

19

### C&W Aero Services, Inc. CRS# HX1R208K

19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

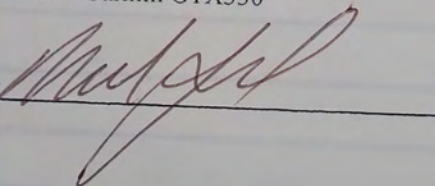
WO# 25659	Tach: 2799.9	Aircraft TT: 2799.9	
Reg #: N19515	Ser #: 17702575	Manuf: Cessna	Model: 177B

The ATC Transponder tests and inspection required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F. The Pitot/Static System has been inspected in accordance with FAR 91.411 and found to be AIRWORTHY. Details of these inspections are on file at this Repair Station.

Transponder #1 Make/Model: Garmin GTX330

SN: 84100212

Authorized Signature: \_\_\_\_\_



Date: 8/16/2011

Aero Servi  
 number: N1  
 10-25-2004  
 Empty V  
 Empty C  
 Useful I  
 C  
 Previous Aircra  
 Removed  
 SD360A-15 H  
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C&W Aero services Inc. 19 Wright Way, Suite 3 Fairfield, NJ 07004 FAA Repair Station HX1R208K		Altitude Reads
Master Reads	Encoder	Altitude
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500		0
1000		500
1500		1,000
2000		1,500
3000		2,000
4000		2,990
6000		4,000
8000		6,000
10000		8,000
12000		10,000
14000		12,010
16000		14,020
18000		16,010
20000		18,000
22000		20,000
25000		
30000		
35000		

Altitude Make: UNICED INSTRUMENTS  
 Altitude Model: 5934P-1  
 Altitude S/N: K3004  
 Tested By: [Signature]  
 Date: 8-2-11 Work order No. 25760  
 Form No. CWF-013

## C&W Aero Services Inc. CRS HX1R208K

I certify that the following tests were performed on Altitude model 5934P-1  
 S/N K3004 in accordance with FAR Part 43 Appendix E as outlined in  
 Tables I, II, III, and IV. Altitude tested to 20,000 ft.  
 Work Order No. 25760 Date: 8-2-11  
 Performed By: [Signature]

Form No. CWF-014

DATE

19

TOTAL  
TIME IN  
SERVICE

## Reference of Major Repairs and Major Alterations To

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

9/2/2011 Tach Time 2810 TT 2810 Trouble shot right  
mag intermittent short of "P" lead. Determined  
electronic tach was causing intermittent short. Tach is  
removed and sent to Horizon Instruments for repair  
Installed repaired tach from Horizon. Test run and  
flew aircraft and found to be working properly.  
End of Entry

By [Signature] 2010/10

DATE

19

9/13/2011  
one  
plug  
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time





TOTAL  
TIME IN  
SERVICE

**Manufactures' Mandatory Service Bulletins**

Chronological Listing of Compliance and Method of Compliance

11/4/2011 Washed belly of aircraft - checked for leaks none noted  
By AP 2030420 End of Entry

11/4/2011 Tach Time 2833.7 Ti 2833.7 Checked rudder control  
cables and retensioned to proper tension according to Cessna  
177 service manual and re-sealed with .041 stainless safety wire  
Check rudder travel per Cessna 177 service manual and  
is within proper limit. Adjusted rudder trim per Cessna 177  
service manual and is within proper limit. By AP 2030420  
End



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