



**AIRFRAME MAINTENANCE RECORD #3**

**AIRCRAFT SERIAL AND REGISTRATION** N7575V 177RG0866

**RECORD NUMBER** 3

D5517-1-13

**ARTV** ARTV AIRCRAFT SUPPLIES, INC.  
**REPLACE ELT BATTERY BY:**  
NOV '09  
REPLACEMENT DATE NOV 09

MAINTENANCE RECORD

DATE

Work Order 13791  
N 7575V  
SN# 177RG0866  
HM 2119.3  
ATT 2119.30  
DATE 4/27/2004

DESCRIPTION OF THE WORK PERFORMED



AUTHORIZED SIGNATURE

Livingston Aviation  
2814 Betsworth Dr  
Waterloo, IA 50703  
Repair Station # LVOR169J

Airframe Log Entry

1. Repaired aircraft as follows due to deer contacting stabilator. Replaced the following parts, new from Cessna: P/N 1712100-7 skin, 1712154-1 bulkhead assembly, 1733009-2 tip assembly, 1712100-9 skin, S1450-6-12-080 washers, 1732039-1 retainers, NAS464P5A18 bolt, MS21042L5 nut, NAS464P4A18 bolt, MS21044N3 nut, 1732036-2 fairing, and 2012110-1 stringer. Installed the following servicable parts: 1732003-7 stabilator assembly, 1732034-3 balance arm assembly, 1732025-5 trim tab assembly, 1732025-6 trim tab assembly, 1732024-1-791 tip, 1712153-1 bracket assembly, 1712153-2 bracket assembly, 1712141-2 plate, 1712145-2 stiffener, 1712145-1 stiffener, 1712136-1 stinger assembly, and 1763009-3 rod assembly. All attaching hardware was replaced with new. All work was performed using Cessna 177RG parts and maintenance manuals. Aircraft was test flown after repair work performed. No discrepancies noted at this time.

END

Pertinent details are on file at this agency under Work Order 13791 and Date 4-27-04.  
Livingston Aviation Inc. Waterloo, Iowa Signed Lawrence Gruman

Lawrence Gruman

FAA APPROVED REPAIR STATION # LVOR169J

Work Order 13917  
N 7575V  
SN# 177RG0866  
HOBBS  
Date 5/17/04



Livingston Aviation  
2814 Betsworth Dr  
Waterloo, IA 50703  
Repair Station # LVOR169J

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
NUMBER

Airframe Log Entry

Repaired right flap by replacing skins p/n 1221007-12, 1221007-14 in accordance with cessna single engine structural repair manual.

END

This aircraft was repaired and inspected in accordance with current regulations of the federal aviation agency and is approved for return to service  
Pertinent details are on file at this agency under Work Order 13917 and Date 5/17/04.  
Livingston Aviation Inc. Waterloo, Iowa Signed Charles E. Hobbs

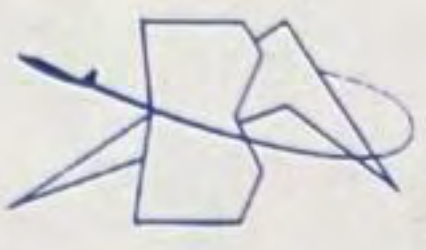
FAA APPROVED REPAIR STATION # LVOR169J

NE0400 1221007-14 EA 00001  
SKIN  
Ser= Lot=  
PL-402257 Order#-743496 Line# - 000001

NE0400 1221007-22 EA 00001  
SKIN  
Ser= Lot=  
PL-402257 Order#-743496 Line# - 2

E. I.B.  
O.B.

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__			<p align="center">  <b>BYERLY AVIATION, INC.</b>                      GREATER PEORIA AIRPORT                      PEORIA, IL 61607                      (309) 697-6300 Fax (309) 697-9663                 </p>	
			<p> <b>Cessna 177RG S/N 177RG0866 N7575V Hobbs: 2464.1 May 25, 2004</b>   <b>Airframe stripped, etched, alodined, epoxy primed, and topcoated with the following urethane enamel: Dupont Imron</b>   <b>Base: N4409HN Matterhorn White</b>  <b>Stripes: N2524HNH Med. Blue</b>  <b>Stripes: N1310HN Holland Blue</b>   <b>Balanced applicable control surfaces as per the manufacturer's service instructions. Control surface pivots and landing gear lubed.</b> </p> <p align="right"> <i>Ken Leibold</i>                      A &amp; P 507 708989                 </p>	


Work Order 14060  
 N 7575V  
 SN# 177RG0866  
 Tach & TT 2152.3  
 Date 10/12/2004



DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__			<p align="center"><b>Airframe Log Entry</b></p> <ol style="list-style-type: none"> <li>1. Performed annual inspection using approved Cessna inspection form as a guide.</li> <li>2. Complied with FAR 91.207(d). No discrepancies noted at this time.</li> <li>3. Complied with AD 87-20-03R2(9-24-90) Seat locking mechanisms. Inspected all seat tracks and seat locking mechanisms. Nop discrepancies noted at this time. Due again 10-31-05</li> <li>4. Complied with FAR 91.411 &amp; FAR 91.413 inspection of altimeter, transponders, static, and encoder systems. No further discrepancies noted at this time.</li> <li>5. Installed new vacuume pump p/n 215CC s/n 21111. Installed new filters as required. Function and leak checked, no discrepancies noted at this time.</li> <li>6. Complied with AD99-24-10(1-14-00) standby vacuume system inspection. Researched Precise Flight web sight, found valve serial number in compliance (s/n 18496). Installed Airplane flight supplement in POH. Made appropriate log book entry. Ad is no longer applicable to aircraft.</li> <li>7. Installed new pilot's left seat track p/n 2011015-5.</li> <li>8. Installed new brake linings p/n 066-30026 on both main gear brake assemblies.</li> </ol> <p align="center"><b>END</b></p> <p>                     I certify this airframe has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. Pertinent details are on file at this agency under work order # 14060 Date 10-12-04.                      Livingston Aviation INC.                      Waterloo, Iowa                 </p> <p align="right">                     Signed <i>Lawrence Gruman</i> Lawrence Gruman  <b>FAA APPROVED REPAIR STATION #LVOR169J</b> </p>	

AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER  
  
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DATE			TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED		AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19	HOURS	10ths					
			Work Order 14213 N 7575V SN# 177RG0866 ATT 2164.6 DATE 2/25/2005				Livingston Aviation 2814 Betsworth Dr Waterloo, IA 50703 Repair Station # LVOR169J
<b>Airframe Log Entry</b>							
1. Installed new plastic cabin door surrounds p/n K1715050-1, K1715050-2, K1715043-1, and K1715043-2. See maintenance release tag from Plane Plastics.							
<b>END</b>							
Pertinent details are on file at this agency under Work Order 14213 and Date 2-25-05. Livingston Aviation Inc. Waterloo, Iowa Signed <u>Lawrence Gruman</u>							
<b>FAA APPROVED REPAIR STATION # LVOR169J</b>							

DATE			TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED		AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19	HOURS	10ths					
			N 7575V SN# 177RG0866 HM 2170.6 ATT 2170.6 DATE 7/25/2005				Livingston Aviation 2814 Betsworth Dr Waterloo, IA 50703 Repair Station # LVOR169J
<b>Airframe Log Entry</b>							
1. Complied with Cessna SEB05-3 engine crankshaft replacement. Service Bulletin is not applicable by Engine serial number.							
<b>END</b>							
Livingston Aviation Inc. Waterloo, Iowa Signed <u>Lawrence Gruman</u>							
<b>FAA APPROVED REPAIR STATION # LVOR169J</b>							

## MAINTENANCE RECORD

DATE 19__	TOTAL IN S HOUR	<p>Work Order 232                      N 7575V                      SN# 866                      HM/TACH 2182.6                      ATT 2182.6                      DATE 12/6/2005</p> <p style="text-align: center;"><b>Livingston</b> AVIATION</p> <p style="text-align: center;"><b>Airframe Log Entry</b></p> <p>Serviced and inspected in accordance with Cessna 177RG service manual. C/W FAR 91.207 para d,1,2,3,4. Elt 12 month inspection. Installed new ELT battery, next due NOV 2007. Installed new o-rings and seals in fuel selector valve. Installed new cowl flap hinges on both cowl flaps. Installed one cup and cone on nose wheel. Installed new squat switch. Installed new main gear actuator sector shaft and bushings. Replaced all seals in the fuel strainer.-----</p> <p style="text-align: center;"><b>END</b></p> <p>I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. Pertinent details are on file at this agency under work order #232 Date 12/6/05.                      Livingston Aviation INC.                      Waterloo, Iowa</p> <p style="text-align: right;">Signed <u><i>Ann Johnson</i></u>  <b>FAA APPROVED REPAIR STATION #LVOR169J</b></p>	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
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Work Order 611  
 N 7575V  
 SN# 177RG0866  
 HM/TACH 2213.3  
 ATT 2213.3  
 DATE 1/2/2007



Livingston Aviation  
 2814 Betsworth Dr  
 Waterloo, IA 50703

### Airframe Log Entry

DATE 19__	<p>Serviced and inspected in accordance with Cessna 177Rg service manual. Installed new P/N 2070019-3 landing gear switch. Installed new main gear tires and tubes. Installed new P/N S2327-1 throttle switch. Resealed and serviced shimmy dampener. Installed new right fuel cap gasket. C/W FAR 91.207 Para d,1,2,3,4. ELT 12 month inspection. ELT battery expires NOV 07. C/W FAR 91.411 &amp; 91.413. Altimeter, static, transponder and encoder inspection to 20,000 feet. Altimeter was repaired and tested by Mid Continent. See maintenance tags. C/W AD87-20-03R2 (9-24-90) seat track locking mechanism. Visual inspection found within specs at this time. C/W AD 2002-26-01 (1-31-03) Fuel injector line insp. Found normal at this time. <b>END</b></p> <p>I certify this AIRCRAFT has been inspected in accordance with an <b>ANNUAL</b> inspection and was determined to be in airworthy condition. Pertinent details are on file at this agency under work order #611 Date 1/2/2007.                      Livingston Aviation INC.                      Waterloo, Iowa</p> <p style="text-align: right;">Signed <u><i>Laurence Guzman</i></u>  <b>FAA APPROVED REPAIR STATION #LVOR169J</b></p>	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
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MID-CONTINENT INSTRUMENTS CO., INC.  
 9400 E 34TH ST. NORTH  
 WICHITA, KS 67226  
 FAA CRS OL2R061L  
**Final Work Order**

WRK0092034

December 20, 2006

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**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, TYPE & NUMBER
19	Work Order 962 N 7575V SN# 177RG0866 HM/TACH 2226.40 ATT 2226.40 DATE 3/26/2008	 <b>Airframe Log Entry</b> Serviced and inspected in accordance with Cessna 177RG service manual. C/W FAR 91.207 Para. D,1,2,3,4. ELT 12 month inspection. All tests normal at this time. New battery expires NOV. 2009. C/W AD 87-20-03 R2 Seat track locking mechanism inspection. Resealed nose gear actuator. Checked rigging and tension in accordance with service manual. Function checked landing gear normal at this time. Installed overhauled fuel boost pump. Resealed right caliper. Reinstalled propeller after overhaul, see prop log. Installed GPS mount plate as requested and provided by owner. This is a minor alteration and also does not require weight change. <b>END</b> I certify this <b>AIRCRAFT</b> has been inspected in accordance with an <b>ANNUAL</b> inspection and was determined to be in airworthy condition. Pertinent details are on file at this agency under work order # 962 Dated 3/26/2008. Livingston Aviation INC. Waterloo, Iowa Signed <i>Laurence Guzman</i> <b>FAA APPROVED REPAIR STATION #LV0R169J</b>	Livingston Aviation 2814 Betsworth Dr Waterloo, IA 50703 LV0R169J

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS 10ths		
2008 5/9/08	2584 32	Replaced Battery with New Gill 635 Ser # G02 391019 op's check OK. Sub Livingston A/P 32939407A.	

**Swieter Aircraft Services, Inc.** 2720 BETSWORTH DR., WATERLOO, IOWA 50703  
 October 7, 2008 Tach: 2242.2  
 Installed overhauled alternator (P.N. D0FF10300J, S.N. 73196) from Modified Aircraft Accessories, (their WO #8603).  
 Ground run, OK.  
 Dan Swatek-Briggs A&P 472725338  
*Dan Swatek-Briggs*

STATEMENT CERTIFICATE CLAIM



MID-CONTINENT INSTRUMENTS CO., INC.  
 9400 E 34TH ST. NORTH  
 WICHITA, KS 67226  
 FAA CRS OL2R061L

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December 20, 2006

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**Final Work Order**

WORK ORDER 1637

DATE: N 7575V  
 S/N 177RG0866  
 TACH 2264.70  
 ATT 2264.70  
 DATE 5/3/2010



Livingston Aviation  
 2814 Betsworth Dr  
 Waterloo, IA 50703  
 Repair Station # LV0R169J

**Airframe Log Entry**

Serviced and inspected in accordance with Cessna 177RG service manual. Complied with I/C/A for Garmin 400 series GPS. C/W FAR 91.207 d,1,2,3,4. ELT 12 month inspection. Installed new ELT battery. Next due July-2012. C/W AD 87-20-03 R2 (9/24/90) Seat track locking mechanism visual inspection. Para. II,(B),( C ), (a),(1),(2),(3),(4),(5),(6),(7). No discrepancies at this time. Next due May 2011. END

I certify that this AIRCRAFT has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition. Pertinent details are on file at this agency under Work Order # 1637 Dated 5/3/2010.

Livingston Aviation Inc. Waterloo, Iowa

Signed Charles E. Graves

FAA APPROVED REPAIR STATION # LV0R169J

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE NUMBER
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2720 BETSWORTH DR., WATERLOO, IOWA 50703

December 28, 2010

Tach: 2279.9

WO #4937

1. Performed the following on aft nose gear doors:

- a. Replaced hinge halves on both doors.
- b. Replaced hinge pins.
- c. Replaced all components between nose gear door actuator and TEE assembly on doors, (AN42B10 eyebolt, MS21251B35 turnbuckle, MS21252-3RS fork, MS21252-3LL fork, MS20392-2C11 pin, AN42B13 eyebolt).
- d. Retracted gear and adjusted gear doors as needed.

2. Replaced wire terminals for battery cable and voltage regulator sense wire at attach point on alternator. Ground ran to check charging and indicating system, OK.

Andrew Regier A&P 505132455

Andrew Regier

INSTALLMENT CERTIFICATE CLAIM



MID-CONTINENT INSTRUMENTS CO., INC.  
 9400 E 34TH ST. NORTH  
 WICHITA, KS 67226  
 FAA CRS OL2R061L

WRK0092034

December 20, 2006

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**Final Work Order**

WORK ORDER 1933  
 N 7575V  
 S/N 177RG0866  
 TACH 2284.90  
 ATT 2284.90  
 DATE 9/1/2011



Livingston Aviation  
 2814 Betsworth Dr  
 Waterloo, IA 50703 RE.  
 Repair Station # LVOR169J

**Airframe Log Entry**

Serviced and inspected IAW Cessna 177RG Service Manual and I/C/A for Garmin 400 series GPS. **C/W AD 2011-10-09** seat rail and roller inspection due annually. Visually inspected IAW para. (1) through (10) and referenced figures (1)(2)(3)(4)(5). No discrepancies found at this time. **C/W FAR 91.207** para (D)(1)(2)(3)(4) 12 month ELT inspection. All checks good at this time. Battery expires **July 2012**. Installed new vacuum regulator filter **PN: B3-5-1**. Serviced and installed new G-35 aircraft battery. **SN: G01752785**. Inspected landing gear operation, and performed multiple gear swings. Performed multiple gear deployments with emergency landing gear hand pump. All checks good at this time. Installed new RH cowl NLG door hinge. Installed all new FWD cowl NLG door hinge bushings. **END**

I certify that this **AIRCRAFT** has been inspected in accordance with an **ANNUAL** inspection and was determined to be in airworthy condition. Pertinent details are on file at this agency under Work Order # **1933** Dated: **09/01/2011**

Livingston Aviation Inc. Waterloo, Iowa Signed *[Signature]*  
**FAA APPROVED REPAIR STATION # LVOR169J**

DATE	TOT IN
19	HOU

Work Order 1933  
 N 7575V  
 SN# 177RG0866  
 Tach 2284.9  
 Total  
 Date 9/1/2011



Livingston Aviation  
 2814 Betsworth Dr  
 Waterloo, IA 50703  
 Repair Station # LVOR169J

**Airframe Log Entry**

Installed overhauled 5934P-1 altimeter S/N: 7E352. Installed new ACK A-30.5 encoder I/AW ACK installation manual part number A30M Revision 05 10/05/2010. **END**

Complied with FAR 91.411 & 91.413. I certify that the altimeters and static system, transponder and altitude reporter tests required by **FAR parts 91.411 & 91.413** have performed to 20,000 feet.

Pertinent details are on file at this agency under Work Order # 1933 Dated 9/1/2011.  
 Livingston Aviation Inc. Waterloo, Iowa Signed *[Signature]*

**FAA APPROVED REPAIR STATION # LVOR169J**

SIGNATURE,  
 DATE TYPE  
 MBER

DATE
19

13. Remarks: Unit identified was overhauled and or functional tested in accordance with manufacturer. Procedure book number TM5934 REV. 3-1-2010



MID-CONTINENT INSTRUMENTS CO., INC.

9400 E 34TH ST. NORTH

WICHITA, KS 67226

FAA CRS OL2R061L

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December 20, 2006

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MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19	HO	<p><b>Swieter Aircraft Services, Inc.</b> 2720 BETSWORTH DR., WATERLOO, IOWA 50703  Tach: 2299.4 TTAF: 2299.4</p> <p>November 6, 2012  Aircraft inspected and serviced IAW Cessna Model 177RG Service Manual and Inspection Form. <span style="float: right;">WO #5114</span></p> <ol style="list-style-type: none"> <li>1. Installed five serviceable cowl shock mounts for RH lower positions.</li> <li>2. Installed POH required placards aft of fuel tank caps.</li> <li>3. Serviced landing gear. Performed gear retraction and emergency extend tests.</li> <li>4. Inspected and tested ELT IAW FAR 91.207. Installed new ELT battery. <u>ELT battery due February 2015.</u></li> <li>5. C/W AD 2011-10-09 Seat track wear and seat pin engagement by inspecting seats and seat tracks IAW instructions, OK. Due again by 12/1/2013 or 2399.4 ttaf, whichever occurs first.</li> <li>6. C/W AD 2011-26-04 External fuel injector lines by inspecting lines IAW Lycoming SB 342F. Replaced all support clamps with new. Due again by 12/1/2013, 2399.4 ttaf or whenever maintenance is done on the fuel lines.</li> <li>7. Researched AD notes through bi-weekly 2012-21. See separate AD Compliance Record.</li> </ol> <p>I certify that this aircraft has been inspected IAW an <b>annual inspection</b> and determined to be airworthy at this time.  Andrew J. Regier A&amp;P 3597876 IA  <i>Andrew J. Regier</i></p>	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19	HO	<p><b>Swieter Aircraft Services, Inc.</b> 2720 BETSWORTH DR., WATERLOO, IOWA 50703  Tach: 2307.8 TTAF: 2307.8</p> <p>December 6, 2013  Aircraft inspected and serviced IAW Cessna Model 177RG Service Manual and Inspection Form. <span style="float: right;">WO #5249</span></p> <ol style="list-style-type: none"> <li>1. Installed one new cowl shock mount at top LH position.</li> <li>2. Serviced landing gear. Performed gear retraction and emergency extend tests.</li> <li>3. Inspected and tested ELT IAW FAR 91.207. <u>ELT battery due February 2015.</u></li> <li>4. C/W AD 2011-10-09 Seat track wear and seat pin engagement by inspecting seats and seat tracks IAW instructions, OK. Due again by 1/1/2015 or 2407.8 ttaf, whichever occurs first.</li> <li>5. Researched AD notes through bi-weekly 2013-24. See separate AD Compliance Record.</li> </ol> <p>I certify that this aircraft has been inspected IAW an <b>annual inspection</b> and determined to be airworthy at this time.  Andrew J. Regier A&amp;P 3597876 IA  <i>Andrew J. Regier</i></p>	



MID-CONTINENT INSTRUMENTS CO., INC.  
 9400 E 34TH ST. NORTH  
 WICHITA, KS 67226  
 FAA CRS OL2R061L  
**Final Work Order**

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December 20, 2006

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**MAINTENANCE RECORD**

DATE  
19\_\_

In accordance with FAR part 91.413 all ATC transponders have been tested and found to comply with appendix F of Part 43.

In accordance with FAR part 91.411 all static pressure systems, all altimeter instruments and all automatic altitude reporting systems have been tested to 20,000 ft. and found to comply with appendix E of part 43.

Dated 12-18-2013 Signed *[Signature]*  
 McCandless Avionics LC, C.R.S. R02R142L

PART NUMBER: 3934-P1 SERIAL NUMBER: 7E3S2

AUTHORIZED SIGNATURE  
CERTIFICATE TYPE

W.O.# AV13-0676

ALT	ERROR	ALT	ERROR
-1000	-5	10000	
0	0	12000	20
500	-20	14000	20
1000	-20	16000	46
1500	-20	18000	30
2000	-20	20000	40
3000	-10	22000	50
4000	-15	25000	
6000	-5	30000	
8000	5	35000	

ALTIMETER TEST CRS#R02R142L

PART NUMBER: 14171-002 SERIAL NUMBER: 3390A W.O.# AV013-0676

ALT	ERROR	ALT	ERROR
-1000	-20	10000	20
0	-15	12000	20
500	-20	14000	20
1000	-15	16000	35
1500	-15	18000	100
2000	-20	20000	100
3000	-10	22000	
4000	-5	25000	
6000	0	30000	
8000	0	35000	

ALTIMETER TEST CRS#R02R142L

**MAINTENANCE RECORD**

DATE  
19\_\_

TOTAL  
IN S  
HOURS



2720 BETSWORTH DR., WATERLOO, IOWA 50703

Cessna 177RG      S/N 177RG0866      03/17/2014

1. Removed Bendix King KX 155, # 2 Nav/Com and shipped for outside repair. Reinstalled and tested when radio came back as returned to service.

All work was accomplished in accordance with manufactures guideline and installation manuals.

Final test: O.K.

*[Signature]*

CRS# R02R142L

NATURE,  
TYPE  
R









MID-CONTINENT INSTRUMENTS CO., INC.  
 9400 E 34TH ST. NORTH  
 WICHITA, KS 67226  
 FAA CRS OL2R061L

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December 20, 2006

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**Final Work Order**

**MAINTENANCE RECORD**

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p><b>N7575V C177RG</b>      <b>HOBBS: 2904</b>      <b>9/15/2020</b></p> <p><b>S/N 17RG0866</b>      <b>ACTT: 2494.3</b></p> <p>Complied with 100hr/ANNUAL Inspection IAW current Cessna Aircraft MM. Aircraft cleaned, opened, and inspected and lubed IAW current cessna checklist. Performed gear swing and emergency gear extension. Cleaned, inspected, and repacked wheel bearings. Installed new tires and reinstalled wheel assemblies. Ops checked and inspected ELT IAW FAR 91.207, batt due 12-21. Complied with AD 2012-19-07 by inspection of fuel lines and clamps. <del>Next due 9-2021</del> or hobbs 3004. I have inspected this aircraft IAW an ANNUAL Inspection and determined it to be in an airworthy condition IAW FAR 43 app. D.</p> <p><i>[Signature]</i>  <b>Jeff Dalton A&amp;P 3234389 IA</b></p>	<p>← 15-19-07</p>

**MAINTENANCE RECORD**

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p><b>AeroTask</b>            5756 Barrier Reef Dr.            Fort Worth, TX 76179</p> <p style="text-align: center;"><b>N7575V LOG BOOK ENTRY</b>            November 4, 2020</p> <p><b>Cessna 177RG</b>      <b>S/N 177RG00866</b>      <b>TT: Hours 2490.4</b>  <b>Tach: 2409.4</b>  <b>Hobbs meter: 933.3</b></p> <p><u><b>Airframe</b></u></p> <p>Removed broken Hobbs meter showing 933.3 hours</p> <p>Installed new Hobbs meter showing 0 hours. Going forward add the 933.3 hours to show proper time in service when doing log book entries.</p> <p><b>RONALD W. ORVIS A&amp;P #3256330</b>  <i>[Signature]</i></p>	



December 20, 2006

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**Final Work Order**

DATE	TOTAL TIME IN SERVICE	
	HOURS	10ths
19__		

wo: AS21-0164 Airframe - page 1 of 1

FORCE AVIATION  
 Force Aviation - 5555 Apollo Drive - Dallas, Texas 75237 - 2143377000

**N7575V** **Cessna, 177RG, S/N: 177RG0866** **June 18, 2021**  
 TACH: 2526.1

- Perform FAR 91.411 and 91.413.** - Tested and inspected pitot and static systems as required by FAR 91.411, including: Pilot's Altimeter P/N 011-03809-00 S/N 4JQ018718, Pilot Standby Altimeter P/N 5934P-1 Serial Number 7E352, and Copilot Altimeter 1U171-002 Serial Number 3390A in accordance with FAR 43, Appendix E. No defects noted. Reference CRS 8A1R718B work order AS21-0164CRS. Adolf Alvarez 6/18/21. Tested and inspected transponder and automatic altitude reporting system as required by FAR 91.413, including: Transponder Model GTX 345 Part Number 011-02202-00 Serial Number 3EG008284 in accordance with FAR 43 Appendix F. No defects noted. Reference CRS 8A1R718B work order AS21-0164CRS. Adolf Alvarez 6/18/21.
- Troubleshoot and advise. Ring light circuit breaker tripped.** - Found chaffed instrument panel lighting wire. Repaired wire in reference to AC 43.13-1B, Change 1 Chapter 11 Section 8. Tested lighting with no defects noted. -Chance Inmon 6/17/21.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Force Aviation under work order: AS21-0164.

Martin Orcik A&P/IA 3677683

AUTHORIZED SIGNATURE,  
 CERTIFICATE TYPE  
 & NUMBER

DATE	TOTAL TIME IN SERVICE	
	HOURS	10ths
19__		

N# N7575V Aircraft Cessna 177RG S/N 177RG0866 Tach: 2526.1

I certify that this/these Transponder/s as installed in this Aircraft has/have been tested as required by FAR 91.413 in accordance with FAR 43 Appendix F on this date 06/17/2021.

#1 Transponder Model GTX-345 P/N 011-03302-00 S/N 3EG008284

Pertinent details of the test are on file at this Repair Station under Work Order # AS21-0164CRS

Dated 06/17/2021 Signed

Force Aviation, LLC Phone # 214-337-7000 Fax # 214-337-7001 CRS # 8A1R718B

AUTHORIZED SIGNATURE,  
 CERTIFICATE TYPE  
 & NUMBER

N# N7575V Aircraft Cessna 177RG S/N 1747RG0866 Tach: 2526.1

I certify that the Altimeter and Static systems test as required by FAR 91.411 have been performed in accordance with FAR 43 Appendix E. The Altimeter/s was/were tested to 20,000 feet on 06/17/2021.

Pilot Altimeter P/N 011-03809-00 S/N 4JQ018718  
 Standby Altimeter P/N 5934P-1 S/N 7E352  
 Copilot Altimeter P/N 1U171-002 S/N 3390A

Pertinent details of the test are on file at this Repair Station under Work Order # AS21-0164CRS

Dated 06/17/2021 Signed

Force Aviation, LLC Phone # 214-337-7000 Fax # 214-337-7001 CRS # 8A1R718B



MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p style="text-align: center;"><b>AIRCRAFT DEPOT</b> 5240 South Collins St. Arlington, TX 76018 361-813-7322 Date: <del>10/04/2023</del> <sup>6-27-23</sup> Registration: N7575V Tach Time 2593.1 <i>Tom</i></p> <p>Performed an annual inspection this date in accordance with the manufactures service manual instruction and current FAA regulations. Removed all access panels and inspection covers. Removed seats and interior. Checked all control cables, bell cranks, fairleads, and pulleys. Inspected and lubricated all control hinges. Checked all fluid lines and fittings. Replaced airframe filters. Checked all lights and electrical system. Checked ELT system in accordance with FAR 91.207 (D), ELT battery, exp. Date is 12/2023 Replaced battery with new Gill battery and cleaned battery box area. Packed all wheel bearings. Serviced the brake reservoir with mil-5606 as needed. Serviced all tire pressures as required. Serviced the nose gear strut with mil-5606 and nitrogen as needed. Performed a gear retraction test several times in both the normal and emergence mode. The landing gear worked as required. Checked the fluid in the powerpack and serviced as required. Installed a Garmin GI 275 MFD. The original instruments removed are oil psi, oil temp, manifold psi / fuel flow, both fuel gauges, tachometer, and voltmeter. The installation was done IAW STC No. SA02658SE. Required data for installation is Garmin Master drawing list (MDL) 005-01208-41 Revision 1, dated Jan. 13, 2020, or later FAA approved revision; Garmin Airplane Flight Manual Supplement (AFMS) 190-02246-12 Revision 1, dated Jan 13, 2020, or later FAA approved revision; Garmin Maintenance Manual (includes instructions for continued airworthiness (ICA) 190-02246-11 Rev 1. dated Jan. 13, 2020, or later FAA approved revision. Eligibility was verified per the STC Approved Model List (AML). A permission letter was given from Garmin to the owner for approval. A new fuel flow transducer PN 494-10001-00 was installed. Each cylinder had a new EGT and CHT installed. Both LH and RH fuel sending units were replaced. Sensors for oil psi, oil temp, and manifold psi were added. Tachometer function is now electronic. A calibration was done on the fuel quantity transmitters according to installation instructions. A function test was performed of the Garmin GI 275, and it performed according to the manufacture's guidelines.</p> <p style="text-align: center;">"CONTINUED."</p>	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p style="text-align: center;">Date: <del>10/04/2023</del> <sup>6-27-23</sup> Registration: N7575V Tach Time 2593.1 <i>Tom</i></p> <p>The aircraft was weighed, and a new weight and balance was calculated. The new empty weight of the aircraft is 1891.5 and the new CG is 102.69 the new moment is 194257.6 the new useful load is 980. One copy of the new weight and balance was placed in the aircraft and a supplement was added to the aircraft flight manual. Copies of each along with copies of the Instructions for continued airworthiness, Copies of the 337, copies of the new weight and balance sheet, copies of the STC, and copies of the permission letter were made. One copy was given to the owner to be made part of the aircraft permanent records and the second to be mailed to the FAA. CW AD 11-10-09 seat and rails, by visual and dimensional checks, due again in 100hrs/annual. CW AD 15-19-07 injector lines and supports, visual, due again in 100hrs / annual. All AD current through bi week 2023-20. Reinstalled all access panels and inspection covers, seats and interior. Washed aircraft. The work described above was done IAW the manufactures service manual and current FAA regulations. I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be airworthy at the time of this inspection regarding the work described above. .... END.....</p> <p>Tommy McDaniel A&amp;P 3517538 IA <i>Tommy McDaniel</i></p>	
			<p>Replaced ELT battery 1/1/24 JT JOHNSON "OPB check good New battery due 2/26 ATD 3302546</p>	



MID-CONTINENT INSTRUMENTS CO., INC.  
 9400 E 34TH ST. NORTH  
 WICHITA, KS 67226  
 FAA CRS OL2R061L  
**Final Work Order**

WRK0092034

December 20, 2006

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**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			<p><b>AIRCRAFT DEPOT</b>            5240 South Collins St. Arlington, TX 76018 361-813-7322            Date: 01/26/2024 Registration: N7575V Tach Time</p> <p>C/W AD 2023-02-17 by a visual and eddy current inspections of the carry-thru spar lower cap for corrosion, cracking, and damage; corrective action if necessary; application of a protective coating and corrosion inhibiting compound (CIC); and reporting the inspection results to the FAA. The interior was removed as necessary to C/W the AD. Visually inspected the carry-thru spar lower cap (including the lower surface, upper surface, and edge) with a 10X magnification lens looking for corrosion, cracking, and damage. The visual inspection did not detect corrosion, cracking, or damage and there is no evidence of previous removal of corrosion. Complied with the requirements in paragraph (h) of this AD Eddy Current Inspection. Contracted APEX Inspections INC to do the Eddy Current Inspection see eddy current &amp; conductivity report under APEX W/O 20240123MAN3 dated 01/23/2024. The results of the examination were accepted. See copy of results added to the aircraft records. Applied a protective coating and corrosion inhibiting compound (CIC) COR-BAN-23 by following steps 9 and 10 of the Accomplishment Instructions in Textron SEL-57-09R1 dated August 03, 2020. CARRY-THRU SPAR INSPECTION REPORT was filled out and sent to the FAA. Currently this aircraft C/W AD note 2023-02-17 and no further action is required currently. This aircraft is returned to service on this date. .... END.....</p> <p>Tommy McDaniel            A&amp;P 3517538 IA <i>Tommy McDaniel</i></p>	

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			<p><b>AVIONICS PLACE 5257 Falcon Rd. Rockford, IL 61109-2917 FQ5R866M</b>  <b>LOG ID# 4204 14-November-2023 WO# 22760-0</b>  <b>N7575V S/N 177RG0866 CESSNA C177RG</b></p> <p>REMOVED CA-395A COMPUTER AMPLIFIER S/N 1304, 44462 ACTUATOR MOUNT S/N 1875 AND PA-295B ROLL SERVO S/N 9149.            INSTALLED GFC-500 AUTO PILOT GMC-507 P/N 011-04548-01 S/N 5H1106876,            GSA-28 ROLL SERVO P/N 011-02927-21 S/N 6N2016706, GSA-28 PITCH SERVO P/N 011-02927-21 S/N 6N2016271 AND GSA-28 TRIM SERVO P/N 011-02927-21 S/N 6N2016982.            RELOCATED GMU-11 FROM LEFT WING TO RIGHT WING.            UPDATED G5 SOFTWARE FROM LEVEL 5.2 TO LEVEL 8.20 PER SERVICE BULLETIN 23047 REV A DATED 05/02/23.            UPDATED GNS-430W AND GNS-530W SOFTWARE TO LEVEL 5.40 PER SERVICE BULLETIN 1762 REV. B DATED 08/10/2020.</p> <p>THE AIRCRAFT/COMPONENT IDENTIFIED 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 W.O. LISTED ABOVE.</p> <p>RELEASED BY: <i>David Wiskey</i>            AVIONICS PLACE FAA APPROVED REPAIR STATION FQ5R866M</p>	

Pg 1 / 1





MID-CONTINENT INSTRUMENTS CO., INC.  
 9400 E 34TH ST. NORTH  
 WICHITA, KS 67226  
 FAA CRS OL2R061L

WRK0092034

December 20, 2006

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Final W

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MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p style="text-align: center;">Aviation Plus Services LLC            262-656-1260            Aviationplusllc.com</p> <p><b>10/28/2024 N7575V Tach 2629</b>            Replaced O-rings in right gear leg. Replaced Oring in left brake swivel. Replaced O-ring in uplock check valve in gear pump. Tested pump for operation per Cessna 177RG manual Sec 5 and 5a. Repaired gear motor side support bracket.</p> <p style="text-align: center;">            Robert Russell 34118851A</p>	

wo: WO\_137 Airframe · page 1 of 1

Arcus Aero · 508 LV Selz Rd · Bridgeport, Texas 76426 · CRS#: ARAR126E

<b>N7575V</b> TACH: 2648.7	<b>Cessna, 177RG, S/N: 177RG0866</b> AFTT: 2648.7	<b>August 07, 2025</b>
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This aircraft has been inspected and found in compliance with the requirements of 14 CFR 91.215 and all mandatory changes. The transponder Garmin GTX 345 S/N 3EG008284 was inspected and tested on 08/7/2025 and is in compliance with 14 CFR Part 91.413. The static pressure system was inspected and tested on 08/7/2025. The ADC G5 (which also acts as the encoder) S/N: 4JQ018718 and standby altimeter 5934P-1 S/N 7E352 have been inspected and tested and are in compliance with 14 CFR 91.217 and 91.411 to an altitude of 20,000 ft on 08/7/2025. The next inspection is due on 08/30/2027.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Arcus Aero under work order: WO\_137.

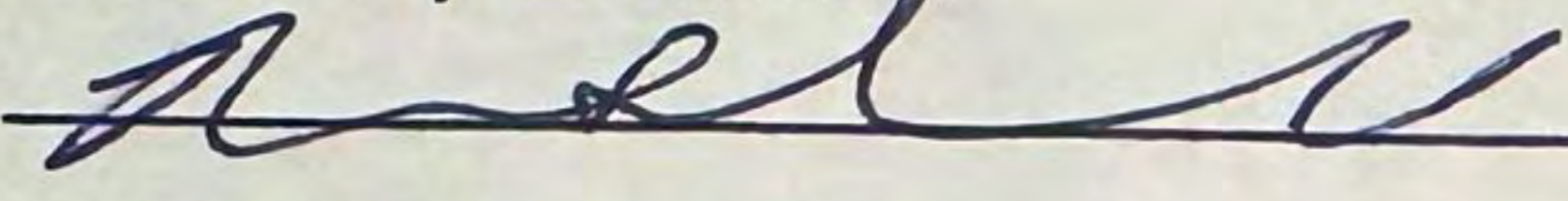
Sarah Aciego Repair Station ARAR126E

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		




Aviation Plus LLC  
262-656-1260  
Aviationplusllc.com

**06/01/2019 N177AR Tach 6011 TTAF 6011**  
Replaced air filter element. Secured air/oil separator outlet hose clamp. Secured right cabin air vent upper door bracket. Replaced right brake pads. Repaired nose door brackets and replaced three bushing and pins. Rig throttle warning switch. Rigged prop and mixture controls for travel .CW AD 11-10-09 seats and rails, visual and dimensional checks, due 100hrs/annually. CW AD 15-19-07 injector lines and supports, visual inspection, due 100hrs. ELT checked per FAR91.207(d). All routine items checked per inspection sheets. FAR43 APP D. I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

  
Robert Russell 3411885IA

Aviation Plus LLC  
262-656-1260  
Aviationplusllc.com

**12/23/2019 N177AR Tach 6065**  
Carrythrough spar inspected for corrosion, spar was clean and had been zinc chromate protected. All overhead scat tubing was new. SEL-57-09 completed for visual inspection.

  
Robert Russell 3411885IA



200 Wings Way, Belgrade, MT 59714 (406)-898-2012  
CRS QM5R150N (KBZN)

DATE	REGISTRATION	SERIAL #	TAC & TOTAL TIME
2 NOV 2020	N177AR	177RG0782	60782