

262CL



Cessna
A Textron Company

AVIONICS MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION 18281497 N65887/262CL

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			<p><u>Trade Winds Aviation 2505 Cunningham Ave San Jose CA</u> February 24, 2005 59.2 Tach N65887 Avionics Log (47100230) Replaced GMA1347 s/n 011-00809-00 with GMA1347 s/n 011-00809-00 ^{011-TN} by installation of software upgrade, work performed IAW SB steps 1 through 13 of service bulletin.</p> <p style="text-align: center;"></p> Thomas Nicholson A&P 2522802	
			<p><u>Trade Winds Aviation 2505 Cunningham Ave San Jose CA</u> March 3, 2005 66.6 Tach N65887 Avionics Log Complied with SB05-34-02 by inspection of GMA1347. Unit not affected by mod status. Complied with SB05-34-03 by inspection of GIA 63 units; both units not affected by mod status.</p> <p style="text-align: center;"> ✓</p> Thomas Nicholson A&P 2522802	

DATE

STERLING AVIONICS

Removed defective autopilot turn coordinator P/N 1394T100-8RA, S/N J04010660 & replaced with OHC like item, S/N 2304-64. Autopilot passes self-test & ground checks OK.-----END-----

The component identified above was replaced and inspected IAW Federal Aviation Regulations and was found to be in an airworthy condition for return to service.

Signed: F. Lemon 

Dated: 01/31/2013 N#:262CL Cessna 182T S/N 18281497

Tach: 2247.0 TTSN: N/A 2247.0

HOBBS: 2618.7 For more info see w/o # 36140

FAA Repair Station Certification # WQ3R954L
145 John Glenn Drive, Concord, CA. 94520 T: (925) 676-2100 F: 676-5580



STERLING AVIONICS

Removed defective Air Data Computer P/N 011-00882-01, S/N 176005300 & replaced with OHC like item, S/N 176005031. Loaded appropriate software from A/C CD-ROM. Static & correspondence checks OK. System functions nominal; no warning or alert messages.-----END-----

The component identified above was replaced and inspected IAW Federal Aviation Regulations and was found to be in an airworthy condition for return to service.

Signed: F. Lemon 

Dated: 06/21/2013 N#:262CL Cessna 182T S/N 18281497

Tach: 2279.4 TTSN: N/A 2279.4

HOBBS: 2656.1 For more info see w/o # 36293

FAA Repair Station Certification # WQ3R954L
145 John Glenn Drive, Concord, CA. 94520 T: (925) 676-2100 F: 676-5580



Removed defective autopilot pitch servo P/N 065-00178-2200, S/N 7774. Replaces with like item, OHC, S/N 10418. All ops checks nominal.-----END-----

WORK RECORD

WORK PERFORMED

AUTHORIZED SIGNATURE,
CERTIFICATE TYPE
& NUMBER

The component identified above was replaced and inspected IAW Federal Aviation Regulations and was found to be in an airworthy condition for return to service.

Signed: F. Lemon

Dated: 08/23/2013 N#:262CL Cessna 182T S/N 18281497

Tach: 2325.3 TTSN: N/A

HOBBS: 2707.3 For more info see w/o # 36309

FAA Repair Station Certification # WQ3R954L

145 John Glenn Drive, Concord, CA. 94520 T: (925) 676-2100 F: 676-5580

ACTIMETER
 PITOT STATIC
 TRANSDUCER
 INSPECTED 10/29/19
 NEXT DUE
 12/30/21

DDSI-7-13

			Amount Hysteresis		
2000	0	10	40%	8K	tc
3000	0	10	After Effect <input checked="" type="checkbox"/> Check Pitot Heat <input type="checkbox"/>		
4000	-10		Baro. Scale Error (± 25 ft.)		
5000	-20		28.10	-1727	L
6000	-30		28.50	-1340	L
8000	-30		29.00	-863	L
10000	-60	20	29.50	-392	L
12000	-60		29.92	0	L
14000	-50		30.50	+531	L
15000	-30	20	30.90	+893	L
16000	-30		30.99	+974	L
18000	-20		Aircraft #		
20000	+10	30	4262CL		
22000			Date Tested:		
25000			10/29/19		
30000			Technician:		
35000			Inspector:		
40000			Tested in compliance with Appendix E, Part 43, F.A.R 91.411		
45000			Tested to: 204 ft. W.O. #: 16808		
50000			Precision Static Testing FAA CRS# QJAR856X		

Form 1A

PILOT / FIRST OFFICER / STAND-BY

A02 / 08 Jan 2007

DATE	TOTAL IN SE HOURS
10/12/19	3557

**Thom Duncan Avionics**

Right the first time

Thom Duncan Avionics LLC · 37 Airport Rd · Fayetteville, TN 37334 · 833-838-6226 · CRS#: 7D8R648D

N262CL

hobbs: 4626.7

Cessna, T182T, S/N: 18281497**September 25, 2020**

Factory repair transponder. Reinstalled transponder and configured G1000 software for new transponder software 2.54. Checked transponder, ADS-B out and in. Checks satisfactory. Installed (1) 011-03303-40 - GTX345R Transponder, S/N: 3EH401165.

With respect to the work performed, this avionics is approved for return to service. Details of work performed are on file with Thom Duncan Avionics LLC under work order: 1337.

Thomas Duncan Repair Station 7D8R648D

AL TIME
SERVICE

DESCRIPTION OF THE WORK PERFORMED

AUTHORIZED
CERTIFICA
& NUM

10ths

ACFT S/N#
18281497

GARMIN G1000 Altimeter
Altimeter/Static System Certification

HOBB'S
4780.6

Merlin's Avionics Service
Tel: (615) 305-1186
307 Roberta Drive
Hendersonville, Tennessee 37075
FAA CRS#Z6MR586Y MAS Form #4

Work Order No. 2293 Acft.Reg.No. N262CL
Acft Type C-182T Altimeter Position #1
Altimeter P/N# GARMIN G1000 S/N# _____
Date 1-13-22 Signed Merlin Grijalva

Altitude	Reading	Tol
-1000	<u>-1000</u>	20
0	<u>0</u>	20
500	<u>500</u>	20
1000	<u>1000</u>	20
1500	<u>1500</u>	25
2000	<u>2000</u>	30
3000	<u>3000</u>	30
4000	<u>4000</u>	35
6000	<u>5995</u>	40
8000	<u>7990</u>	60
10,000	<u>9990</u>	80
12,000	<u>11980</u>	90

Altitude	Reading	Tol
14,000	<u>13985</u>	100
16,000	<u>15980</u>	110
18,000	<u>17980</u>	120
20,000	<u>19970</u>	130
22,000		140
25,000		155
30,000		180
35,000		205
40,000		230
45,000		255
50,000		280

Friction	Tol
1K	70
2K	70
3K	70
5K	70
10K	80
15K	90
20K	100
25K	120
30K	140
35K	160
40K	180
50K	250

Press	Diff.(Tol. 25 Ft.)
28.10	<u>-1727</u> -1727
28.50	<u>-1340</u> -1340
29.00	<u>-863</u> -863
29.50	<u>-392</u> -392
29.92	<u>0</u> 0
30.50	<u>531</u> 531
30.90	<u>893</u> 893
30.99	<u>974</u> 974

Case Leak (FPM Tol. 100 Ft.)
0

Hysteresis: 1st Test Point @ 50% of Max.Alt.(Tol.75 Ft.) NA
2nd Test Point @40% of Max.Alt.(Tol.75 Ft.) NA

After Effect (Tol.30 Ft.)
0

This Altimeter/Static System meets the requirements of FAR 91.411 and FAR Part 43, Appendix E.

GARMIN G1000 Altimeter Altimeter/Static System Certification

HOBBS
4780.6

ACFT SN#
18281497

Merlin's Avionics Service
Tel: (615) 305-1186
307 Roberta Drive
Hendersonville, Tennessee 37075
FAA CRS#Z6MR586Y MAS Form #4

Work Order No. 2293 Acft.Reg.No. N/262CL
Acft Type C-182T Altimeter Position #1
Altimeter P/N# GARMIN G1000 S/N# _____
Date 1-13-22 Signed Merlin's

Merlin's
Tel: 307
Hendersonville
FAA CRS#Z6

Merlin's
Tel: (615) 305-1186
307 Roberta Drive
Hendersonville, Tennessee 37075
FAA CRS#Z6MR586Y

Altitude	Reading	Tol
-1000	-1000	20
0	0	20
500	500	20
1000	1000	20
1500	1500	20
2000	2000	25
3000	3000	30
4000	4000	30
6000	6000	35
8000	7990	40
10,000	9980	60
12,000	11980	80

Hysteresis: 1st Test Point @ 50% of Max.Alt.(Tol.75 Ft.) NA
2nd Test Point @40% of Max.Alt.(Tol.75 Ft.) NA

This Altimeter/Static System meets the requirements of FAR 91.411 and FAR Part 43, Appendix E.

Altitude	Reading	Tol	Altitude	Reading	Tol
-1000	-1000	20	14,000	13985	100
0	0	20	16,000	15980	110
500	500	20	18,000	17980	120
1000	1000	20	20,000	19970	130
1500	1500	25	22,000		140
2000	2000	30	25,000		155
3000	3000	30	30,000		180
4000	4000	35	35,000		205
6000	5995	40	40,000		230
8000	7990	60	45,000		255
10,000	9990	80	50,000		280
12,000	11980	90			

Friction	Tol
1K	70
2K	70
3K	70
5K	70
10K	80
15K	90
20K	100
25K	120
30K	140
35K	160
40K	180
50K	250

Press	Diff.(Tol. 25 Ft.)
28.10	-1727
28.50	-1340
29.00	-863
29.50	-392
29.92	0
30.50	531
30.90	893
30.99	974

Case Leak (FPM Tol. 100 Ft.)
0

After Effect (Tol.30 Ft.)
0

This Altimeter/Static System meets the requirements of FAR 91.411 and FAR Part 43, Appendix E.

Transponder Certification

Merlin's Avionics Service Tel: (615) 305-1186

307 Roberta Drive Hendersonville, Tennessee 37075

FAA CRS #Z6MR586Y MAS Form #3

Work Order No. 2293 Acft.Reg.No. N262CL

Aircraft Type C-182T Txpond Position #1

Txpond P/N# GARMIN G1000 S/N# _____

Check Box if Mode S

I certify the ATC Transponder tests and inspections required by FAR 91.413 were performed this date and found to comply with Part 43, Appendix F. Details of this inspection are on file at this repair station.

Date 1-13-22

Signed Merlin's Avionics

STANDBY Altimeter

Altimeter/Static System Certification

Merlin's Avionics Service

Tel: (615) 305-1186

307 Roberta Drive

Hendersonville, Tennessee 37075

FAA CRS#Z6MR586Y MAS Form #4

Work Order No 2293 Acft.Reg.No. N262CL

Acft Type C-182T Altimeter Position #2

Altimeter P/N# _____ S/N# _____

Date 1-13-22 Signed Malin Gurgely

Altitude	Reading	Tol	Altitude	Reading	Tol	Friction	Tol	Press	Diff.(Tol. 25 Ft.)		
-1000	<u>-1000</u>	20	14,000	<u>13980</u>	100	1K	<u>+20</u>	70	28.10	<u>-1727</u>	-1727
0	<u>0</u>	20	16,000	<u>15980</u>	110	2K	<u>+20</u>	70	28.50	<u>-1340</u>	-1340
500	<u>500</u>	20	18,000	<u>17970</u>	120	3K	<u>+15</u>	70	29.00	<u>-863</u>	-863
1000	<u>1000</u>	20	20,000	<u>19960</u>	130	5K	<u>+15</u>	70	29.50	<u>-392</u>	-392
1500	<u>1500</u>	25	22,000	/	140	10K	<u>+20</u>	80	29.92	<u>0</u>	0
2000	<u>2000</u>	30	25,000	/	155	15K	<u>+15</u>	90	30.50	<u>531</u>	531
3000	<u>3000</u>	30	30,000	/	180	20K	<u>+10</u>	100	30.90	<u>893</u>	893
4000	<u>4005</u>	35	35,000	/	205	25K	/	120	30.99	<u>974</u>	974
6000	<u>6000</u>	40	40,000	/	230	30K	/	140			
8000	<u>7990</u>	60	45,000	/	255	35K	/	160			
10,000	<u>9980</u>	80	50,000	/	280	40K	/	180			
12,000	<u>11980</u>	90				50K	/	250			

Case Leak (FPM Tol. 100 Ft.)
0

Hysteresis: 1st Test Point @ 50% of Max.Alt.(Tol.75 Ft.) +20
2nd Test Point @40% of Max.Alt.(Tol.75 Ft.) +15

After Effect (Tol.30 Ft.)
+10

This Altimeter/Static System meets the requirements of FAR 91.411 and FAR Part 43, Appendix E.

ACFT SN#
18281497

GARMIN G1000 Altimeter

Altimeter/Static System Certification

HOBBS
4780.6

Merlin's Avionics Service

Tel: (615) 305-1186

307 Roberta Drive

Hendersonville, Tennessee 37075

FAA CRS#Z6MR586Y MAS Form #4

Work Order No. 2293 Acft.Reg.No. N/262CL

Acft Type C-182T Altimeter Position #1

Altimeter P/N# GARMIN G1000 S/N# _____

Date 1-13-22 Signed Merlin Grigely

Altitude	Reading	Tol	Altitude	Reading	Tol
-1000	<u>-1000</u>	20	14,000	<u>13985</u>	100
0	<u>0</u>	20	16,000	<u>15980</u>	110
500	<u>500</u>	20	18,000	<u>17980</u>	120
1000	<u>1000</u>	20	20,000	<u>19970</u>	130
1500	<u>1500</u>	25	22,000		140
2000	<u>2000</u>	30	25,000		155
3000	<u>3000</u>	30	30,000		180
4000	<u>4000</u>	35	35,000		205
6000	<u>5995</u>	40	40,000		230
8000	<u>7990</u>	60	45,000		255
10,000	<u>9990</u>	80	50,000		280
12,000	<u>11980</u>	90			

Friction	Tol
1K	<u>NA</u> 70
2K	70
3K	70
5K	70
10K	80
15K	90
20K	100
25K	120
30K	140
35K	160
40K	180
50K	250

Press	Diff. (Tol. 25 Ft.)
28.10	<u>-1727</u> -1727
28.50	<u>-1340</u> -1340
29.00	<u>863</u> -863
29.50	<u>-392</u> -392
29.92	<u>0</u> 0
30.50	<u>531</u> 531
30.90	<u>893</u> 893
30.99	<u>974</u> 974

Case Leak (FPM Tol. 100 Ft.)
0

Hysteresis: 1st Test Point @ 50% of Max.Alt.(Tol.75 Ft.) NA
2nd Test Point @40% of Max.Alt.(Tol.75 Ft.) NA

After Effect (Tol.30 Ft.)
0

This Altimeter/Static System meets the requirements of FAR 91.411 and FAR Part 43, Appendix E.

Transponder Certification

Merlin's Avionics Service Tel: (615) 305-1186
 307 Roberta Drive Hendersonville, Tennessee 37075
 FAA CRS #Z6MR586Y MAS Form #3

Work Order No. 2293 Acft.Reg.No. N262CL
 Aircraft Type C-182T Txpond Position #1
 Txpond P/N# GARMN G1000 S/N# _____
 Check Box if Mode S ()

I certify the ATC Transponder tests and inspections required by FAR 91.413 were performed this date and found to comply with Part 43, Appendix F. Details of this inspection are on file at this repair station.

Date 1-13-22

Original (M.A.S.) B. ...

STANDBY Altimeter Altimeter/Static System Certification

Merlin's Avionics Service
 Tel: (615) 305-1186
 307 Roberta Drive
 Hendersonville, Tennessee 37075
 FAA CRS#Z6MR586Y MAS Form #4

Work Order No. 2293 Acft.Reg.No. N262CL
 Acft Type C-182T Altimeter Position #2
 Altimeter P/N# _____ S/N# _____
 Date 1-13-22 Signed Merlin Gugli

Altitude	Reading	Tol	Altitude	Reading	Tol	Friction	Tol	Press	Diff.(Tol. 25 Ft.)
-1000	<u>-1000</u>	20	14,000	<u>13980</u>	100	1K	<u>+20</u>	28.10	<u>-1727</u> -1727
0	<u>0</u>	20	16,000	<u>15980</u>	110	2K	<u>+20</u>	28.50	<u>-1340</u> -1340
500	<u>500</u>	20	18,000	<u>17970</u>	120	3K	<u>+15</u>	29.00	<u>-863</u> -863
1000	<u>1000</u>	20	20,000	<u>19960</u>	130	5K	<u>+15</u>	29.50	<u>-392</u> -392
1500	<u>1500</u>	25	22,000	/	140	10K	<u>+20</u>	29.92	<u>0</u> 0
2000	<u>2000</u>	30	25,000	/	155	15K	<u>+15</u>	30.50	<u>531</u> 531
3000	<u>3000</u>	30	30,000	/	180	20K	<u>+10</u>	30.90	<u>893</u> 893
4000	<u>4000</u>	35	35,000	/	205	25K	/	30.99	<u>974</u> 974
6000	<u>6000</u>	40	40,000	/	230	30K	/	Case Leak (FPM Tol. 100 Ft.)	
8000	<u>7990</u>	60	45,000	/	255	35K	/	<u>0</u>	
10,000	<u>9980</u>	80	50,000	/	280	40K	/	After Effect (Tol.30 Ft.)	
12,000	<u>11980</u>	90				50K	/	<u>+10</u>	

Hysteresis: 1st Test Point @ 50% of Max.Alt.(Tol.75 Ft.) +20
 2nd Test Point @40% of Max.Alt.(Tol.75 Ft.) +15

This Altimeter/Static System meets the requirements of FAR 91.411 and FAR Part 43, Appendix E.