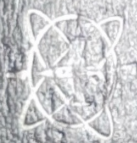


#2

1985-1998

The Standard



AIRCRAFT LOG

19	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES)	DATE
				I certify that the altimeter and static system tests required by FAR Part 91.171 have been performed.	
				The altimeter was tested to 29000 feet.	
				Date APRIL 18 1985	
				Static system test Date APRIL 18 1985	
				ALPHIN AIRCRAFT 2613 Pennsylvania Avenue Hagerstown, Maryland	
				Signature [Signature] CRS-121-12	
				FAA Approved Repair Station No. 121-12	
				THE RT3594 SN # 6436 AND FOUND TO COMPLY WITH FAR 43.16 DATE APRIL 18 1985 SIGNED [Signature] ALPHIN AIRCRAFT, INC. HAGERSTOWN, MD. 21740 CRS 121-12	

Altimeter, Airspeed, Static System Check List (FAR 91.170)

8303210

AIRCRAFT MAKE & MODEL Cessna 182 "N" # 1649M Work Order #

OWNER RENTAL TACK READING 2714 Hrs. Date 16 APR 1985

Address Static system test Date 16 APR 1985

I At 29.92" Hg, A/C Altimeter reads 280 At Field Elev. A/C Altimeter reads 29.92 Inches.

At Field Elev. PITOSTAT Altimeter reads 2982 In. Tower or Equivalent Baro Pressure 29.82

II STATIC SYSTEM LEAK RATE: Unpressurized aircraft--at 1,000 feet above field elevation, leak rate is 5 Feet per minute. (Maximum permitted 100 Feet per minute)

III ALTIMETER TESTS : (Up Readings)

Feet	Scale Error permitted feet	Actual Error Found in A/C	Friction Error permitted	Actual Friction Error in A/C
-1000	20			
0	20	<u>+10</u>		
500	20	<u>-0</u>		
1000	20	<u>-5</u>		
1500	25	<u>-5</u>	70	
2000	30	<u>-5</u>		<u>10</u>
3000	30	<u>0</u>	70	
4000	35	<u>-2</u>	70	<u>20</u>
6000	40	<u>-15</u>		<u>20</u>
8000	60	<u>-30</u>		
10000	80	<u>-35</u>		
12000	90	<u>-60</u>	80	
14000	100	<u>-60</u>		<u>30</u>
16000	110	<u>-80</u>		
18000 *	120	<u>-85</u>		
20000	130	<u>-85</u>		
22000	140	<u>-95</u>	100	
25000	155			<u>20</u>
30000	180		120	

(* Altimeter Case Leak Permitted-- 100 feet plus or minus)

IV HYSTERESIS (Down readings)

50% of Maximum height tested 30 Feet. (Tolerance allowed..75 feet)

40% of Maximum height tested 15 Feet. (Tolerance allowed..75 feet)

V AFTER EFFECTS ERROR.

Taken within 5 minutes of Hysteresis test completion, and system returns to normal.

Feet error. (Maximum permitted error---30 feet difference from start of test)

VI AIRSPEED TEST REPORT.

PITOT SYSTEM LEAK RATE. RATE of leak at Approx. red line of aircraft 0 Kts/Miles Per Hour
(Leak rate should not exceed 5 Kts per minute)

ACCURACY READINGS (Optional)

Aircraft

Pitostat

Aircraft

Pitostat

Certificate No.

Signature

CRS 181-12

Harold R. Miller

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				I Certify that this Aircraft has been inspected in accordance with a <u>Perennial</u> inspection and was determined to be in Airworthy condition.
				Work Order No. <u>8503210</u>
				Date <u>APRIL 18 1985</u>
				Total Time In Service: <u>TACH 2714</u>
				Signed <u>SEPS 121-12</u>
				ALPHIN AIRCRAFT, INC. — 2613 Penna. Ave., Hagerstown, Md.
				FAA Approved Repair Station No. <u>121-12</u>
				CHECKED AD'S TACH 85-03 / <u>INSTALLED OVERHAUL</u>
				ENGINE (SEE ENGINE LOG) <u>PERFORM RUN-UP CHECKS -</u>
				NORMAL / SERVICED IN ACCORDANCE WITH 100 HRS
				CHECK LIST / <u>END</u>

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1986				9-23-86 Tach 2803.8 W.O. 7274 Removed Way-Clear EGT system and installed Aleor, Inc. EGT system. System installed in accordance with STC SA 522SW. Weight change negligible. <i>John C. Casabianca</i> SUMMIT AVIATION, INC. SUMMIT AIR PARK MIDDLETOWN, DELAWARE F.A.A. APPROVED REPAIR STATION 1216 - CLASS 3

9-23-86 Tach 2803.8 W.O. 7274
Removed Way-Cero EGT system
and installed Alcor, Inc. EGT system.
System installed in accordance with
STC SA 522SW. Weight change
negligible. *Art. P. Casabianca*

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				I CERTIFY THAT THIS <u>Aircraft</u> WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH A <u>annual</u> INSPECTION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER ORDER NO. <u>9506</u> DATE <u>20 APR 87</u> <u>John S. Zyl</u> INSPECTOR SUMMIT AVIATION, INC. MIDDLETOWN, DELAWARE TACH TIME <u>2830.3</u> F.A.A. APPROVED STATION 1216 CLASS 3 Replaced brake lining AD 83-13-01 clw AD 76-07-12 clw AD 86-24-07 Installed bolts in engine controls John S. Zyl CR 1216

TER INDICATOR
RATION

Serial No.

C115488

Date

4/16/87

AL
IN
ICE

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF
MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES)

This is to certify that the altimeter, static system,
and altitude reporting system has been checked as required
by 91.171. Altimeters and altitude reporting system calibrated
in accordance with FAR 43, appendix E and F.

Pilot altimeter PN C1697 SN C115488

Calibration date 4/16/87 Altitude 20,000

Copilot altimeter PN NP SN NP

Calibration date NP Altitude NP

Encoder PN C1697 SN C115488

Signature J. S. Zyl Date 20 APR 87

FAA Approved Repair Sta. 1216 Class 3

AD 84-10-1 PCW/CRS 121-2
Fuel Contamination

F.A.A. APPROVED
REPAIR STATION 1216
CLASS 3

21 APR 87

ALTIMETER INDICATOR CALIBRATION		Serial No. C115488	
		Date 4/16/87	
OVERHAUL DATE			
WORK ACCOMPLISHED			
App. sonic. Cap. Enabling			
DT# G-1697			
Test Setting	Instrument Reading	Test Setting	Instrument Reading
-1000	✓	8000	
0	✓	9000	
500	-10	10000	-20
1000	✓	12000	-20
1500	-10	14000	-40
2000	710	16000	-50
2500		18000	-50
3000	✓	20000	-40
3500		22000	
4000	✓	25000	
4500		30000	
5000		35000	
5500		40000	
6000	-20	45000	
7000		50000	

MECH. **Cut** INSP. **16**

AC Form 4100-231 (11-0052-837-9002)
Supersedes previous editio

AL
IN
ICE

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF
MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

s to certify that the altimeter, static system,
titude reporting system has been checked as required
171. Altimeters and altitude reporting system calibrated
ordance with FAR 43, appendix E and F.

altimeter PN **G1697** SN **C115488**
ation date **4/16/87** Altitude **20,000**

t altimeter PN **NA** SN **NA**
ation date **NA** Altitude **NA**

er PN **G1697** SN **C115488**
ture **John Szygler** Date **20 APR 87**
FAA Approved Repair Sta. 1216 Class 3

AD 84-10-1 PCW/CRS 121-2
Fuel Contamination **John Szygler**

F.A.A. APPROVED
REPAIR STATION 1216

CLASS 3
21 APR 87

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				Transponder <u>RT359A</u> S/N <u>11589</u> Has been tested per AC 43 Appendix F to comply with FAR 91.172 Date <u>21 Apr 87</u> Summit Aviation, Inc. CRS 1216 <i>W. H. Hulse</i> WO # <u>9506</u>

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				I CERTIFY THAT THIS <u>Acft</u> WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH A <u>annual</u> INSPECTION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER ORDER NO. <u>1924</u> DATE <u>4 May 88</u> <u>John S. Zyl</u> INSPECTOR SUMMIT AVIATION, INC. MIDDLETOWN, DELAWARE F.A.A. APPROVED STATION 1216 CLASS 3 C/W AD AD 83-13-01 Fuel caps NO leak Noted AD 87-07-12 mag switch check AD 87-20-03 Seat tracks new tracks Pilots side. CP OK C/W 88-03-6 oil filter Champion/mon

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				Count Lubed wheels Installed New carb heat cable. 7 at 8254 CPS 1216
May 19, 1989	Tach 2933.			Repacked All wheel Bearings, Reversed Left main tire. Replaced ELT Battery new expiration <u>June 1992</u> C/W AD 83-13-01 Fuel cap seal No leaks noted C/W AD 76-07-12R mag switch ops ck OK C/W AD 87-20-03 inspection OK AD 89-04-02 N/A Subject CARB not installed Paul D Durham ATP 222302935IA

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF
MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

TODAYS
FLIGHT

TOTAL
TIME IN
SERVICE

I CERTIFY THAT THIS AIRCRAFT HAS BEEN
INSPECTED IN ACCORDANCE WITH ANNUAL
INSPECTION AND DETERMINED TO BE IN
AIRWORTHY CONDITION. TACH. 2933

DATE MAY 19, 1989 A&P 222302935 IA

Harlan D. Duban

Tach 2956 Oct. 23, 1989

Airspeed overhauled By Kelkey Instruments.
EDO EA5175 S/N 7314. See yellow Tag.

C/W SB SE84-16 By installing Fuel cap kit
SK182-85. Harlan D. Duban Aft 222302935 IA

SIN 7314

MASTER READS	ROOM TEMP. °C	LOW TEMP. °C
40	42	
50	52	
60	61	
70	71	
80	81	
90	92	
100	101	
110	110	
120	120	
130	130	
140	139	
150	149	
160	160	
170	169	

MASTER READS	ROOM TEMP. °C	LOW TEMP. °C
180	180	
190	189	
200		
210		
220		
230		
240		
250		
260		
270		
280		
290		
300		

Aircraft

INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
 ORDERED WITH NAME, RATING AND CERTIFICATE NUMBER OF
 FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

AT THIS Aircraft HAS BEEN
 IN ACCORDANCE WITH ANNUAL
 AND DETERMINED TO BE IN
 CONDITION. TACH 2933

19.1589 AWP 222302935IA

Harland D. Duban

1.23.1989

overhauled By Kelley Instruments.

5 S/N 7314. See yellow Tag.

16 By installing Fuel cap kit

Harland D. Duban AWP 222302935IA

TESTED BY: KELLEY INSTRUMENTS, INC. DATE

1024 S. SANTA FE
 WICHITA, KANSAS 67211

10-4-89

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[illegible]

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				Transponder <u>AT-50</u> S/N <u>35539</u> Has been tested per AC 43 Appendix F to comply with FAR 91.172 <i>R.H. Anderson</i> 2391714 Date <u>3-14-90</u> Summit Aviation, Inc. CRS 1216

ALTIMETER INDICATOR CALIBRATION		Serial No. <u>C1548</u>	
<u>N1649M</u>		Date <u>3-14-90</u>	
OVERHAUL DATE			
WORK ACCOMPLISHED			
<u>Aerospace PNO-1697</u>			
Test Setting	Instrument Reading	Test Setting	Instrument Reading
-1000	✓	0000	-15
0	✓	0000	-40
500	✓	10000	-40
1000	✓	10000	-45
1500	-10	10000	-45
2000	✓	10000	-40
2500	✓	10000	-60
3000	✓	10000	
3500	✓	10000	
4000	-20	10000	
4500	-10	10000	
5000	-15	10000	
5500	-15	10000	
6000		10000	
6500		10000	
7000		10000	
MECM <i>DTJ</i> INSP <i>BJW</i>			
AC Form 4100-831 (11-73) (9088-437-900 M) Supersedes previous edition			

DESCRIPTION
ENTRIES MUST
MECHANIC OR

to certify
altitude report
71. Altimeter
distance with
altimeter FH
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altimeter FH
ion date =
PN A-3c
Delly John
FAA

PAIRS AND ALTERATIONS
G AND CERTIFICATE NUMBER OF
S FOR OTHER SPECIFIC ENTRIES.)

5539

Appendix F

-90

ation, Inc.

ALTIMETER INDICATOR CALIBRATION N1649M		Serial No. C115488 Date 3-14-90	
OVERHAUL DATE			
WORK ACCOMPLISHED Aerospace PNO-1697			
Test Setting	Instrument Reading	Test Setting	Instrument Reading
-1000	✓	0000	-15
0	✓	0000	
500	✓	10000	-20
1000	✓	10000	-40
1500	-15	10000	-65
2000	✓	10000	-45
2500	✓	10000	-40
3000	✓	10000	-60
3500		10000	
4000	-20	15000	
4500		30000	
5000	-10	35000	
5500		40000	
6000	-15	45000	
7000		50000	
MECH <i>ATZ</i> INSP <i>Sji</i>			
AC Form 4100-831 (11-73) (9055-837-9002) Supersedes previous edition			

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF
MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

to certify that the altimeter, static system,
altitude reporting system has been checked as required
71. Altimeters and altitude reporting system calibrated
rdance with FAR 43, appendix E and F.

Altimeter PN G1697 SN C115488

tion date 3-14-90 Altitude 20,000

altimeter PN SN

tion date Altitude

PN A-30 SN 12084

e Telly J. Whelan Date 3-14-90

FAA Approved Repair Sta. 1216

19

TACH
TIME

FLIGHT

SERVICE

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF
MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

This is to certify that the altimeter, static system,
and altitude reporting system has been checked as required
by 91.171. Altimeters and altitude reporting system calibrated
in accordance with FAR 43, appendix E and F.

Pilot altimeter PN G1697 SN C115488

Calibration date 3-14-90 Altitude 20,000

Copilot altimeter PN SN

Calibration date Altitude

Encoder PN A-39 SN 12084

Signature Delly J. Wheeler Date 3-14-90

FAA Approved Repair Sta. 1216

DATE 1996	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				3-14-96 Removed: ARC Transponder RT-359, ARC RT-3287 Navcom ARC Glideslope R-443B Rec, Narco DME 190, ARC marker beacon R-402A. Installed: Whelen A490 Stroke Power Supply (2) with A460 Lamp Assy (2) on 440R/H wing tips IAW Whelen STC 800EA and AC43.13-1A and AC43.13-2A. ACK Technologies A-30 Altitude Encoder S/N 12084. Northstar M1 Loran S/N N21896 with CI 121 SP Antenna. Narco NC 812 Glideslope S/N N50354. Narco CP-136M Anolis Marker Rec. S/N 76497. Narco I DME Indicator S/N 20315. Narco Transponder AT150, S/N 35539. Sigtronics FPA-400 ICF Amp, S/N 6207696. Narco MK-12D Navcom, S/N 22337. — Cont Next Page —

DATE 1991	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				3-14-90 Cont From Previous Page —
				Installation Accomplished In accordance with the Following: Equipment Manufacturer Instructions AC 43.13-1A, AC 43.13-2A, AC 26-121A, Whelen STC PA800EA, ACK Technologies Instruction, Northstar Manual Gm 295, AC 43-6A, FAR 91.171 and FAR 43, appendix E.
				Computed Empty Weight 1828.38
				Center of Gravity 34.81
				Moment 63650.36
				Useful Load 1121.62
				Duffy, Whelen Summit Aviation Inc. CR# 1216 Class 3

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				I CERTIFY THAT THIS <u>aircraft</u>
				WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE
				WITH A <u>annual</u> INSPECTION AND IS
				APPROVED FOR RETURN TO SERVICE. PERTINENT
				DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER
				ORDER NO. <u>4913</u> DATE <u>18 May 90</u>
				<u>Jack Szyg</u> INSPECTOR
				SUMMIT AVIATION, INC.
				MIDDLETOWN, DELAWARE
				F.A.A. APPROVED
				STATION 1216 CLASS 3
				TACH TIME <u>9.1</u>
				<u>H-2988.8</u>
				AD 76-07-12 Bendix gas sw check
				AD 83-13-01 fuel cap Sealing check
				AD 84-10-01 Contamination fuel check
				Const

gun sw chock
Sealing chock
rotation chock
Prest

F.A.A. APPROVED
REPAIR STATION 1216
CLASS 3

CTIONS, TESTS, REPAIRS AND ALTERATIONS
COURSE WITH NAME, RATING AND CERTIFICATE NUMBER
REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

Note - Actt has surface corrosion
on bottom of both wings & tail surface
Should be treated as soon as possible
J chs 2/4 fac. 9.1

21 Mar 9.1

F.A.A. APPROVED
REPAIR STATION 1216
CLASS 3

2988.8 Installed new throttle cable
J chs 2/4 fac 9.1

SUMMIT AVIATION, INC.
SUMMIT AIR PARK
MIDDLETOWN, DELAWARE
F.A.A. APPROVED REPAIR
STATION 1216 - CLASS 3

F.A.A. APPROVED
REPAIR STATION 1216
CLASS 3

DATE

19

90

N1649M CESSNA 182A S/N 18264402

REMOVE & REPLACE VAC. D.G. PER
CUSTOMER REQUEST. PIN 31101C S/N 20259
OUT PIN RCA 11A-8 S/N 3901 IN. CUSTOMER
TO CK D.G. AT A LATER DATE BECAUSE
BATT. WAS REMOVED & ENGINE WASN'T
STARTED. TACH TIME: 60.3 HRS

R.A. Anderson
2391714

W/D 5846 1-3-91

SUMMIT AVIATION, INC.
SUMMIT AIRPORT
MIDDLETOWN, DELAWARE
F.A.A. APPROVED REPAIR
STATION SMTR2081-CLASS 3

MIDDLETOWN, DELAWARE
F.A.A. APPROVED REPAIR
STATION 1216 - CLASS 3

FORM AID

D ALTERATIONS

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21 May

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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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
20 June 1990	Tech	10.7hrs	T.T. 2990.4 hrs.	Cleaned corrosion from underside of both wings, primed and repainted. Installed fire extinguisher under pilot seat w/ 11W0713929-1 bracket. WO. # 5017 Norman E Lee
12/13	Tech	60.3		Installed new seals in nose strut. Service with 15606 fluid and nitrogen. WO 5802. David Johnson SMTR208I

F.A.A. APPROVED
 REPAIR STATION 1216
 CLASS 3

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				I CERTIFY THAT THIS <u>AIRCRAFT</u> WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER ORDER NO. <u>6319</u> DATE <u>24 MAY 91</u> <u>Ralph M. Buehling</u> - INSPECTOR SUMMIT AVIATION, INC. MIDDLETOWN, DELAWARE F.A.A. APPROVED REPAIR STATION SMTR 208I CLASS 3 INSTALLED NEW PROP CONTROL. C/W AD 76-7-12 BENDIX IGN. SW. BY MANUAL OPERATION. C/W AD 87-20-3 SEAT TRACK INSP. BY VISUAL & CK. FOR WEAR. C/W AD 83-13-1 FUEL CAP SEALING. INST. NEW FWD. BELLY SKIN P/N 0710700-2

[illegible]

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS CERTIFICATES ENTRIES MUST BE ENDORSED WITH NAME, RATING AND OTHER SPECIFIC MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC)
3/17/91	62.9			T.T. 3042.6 - Installed new battery - 611-635, 1210 mm.
6-11-91	76.2	(3035.9 TT)		REMOVED EDO HORIZ GYRO MODEL 5000B-20 S/N 96630H AND INSTALLED SIGMA-TEK HORIZON GYRO MODEL 5000B-36 S/N T 30143J / RUN UP OK. for O. High A/P 34601529
				NORTHEASTERN AVIONICS INC. Barnes Municipal Airport Westfield, Ma. 01085 413-562-5124 ✓ FVHROSSE

MFG. BY

TURN COORDINATOR, AUTOPILOT

PART

1394T100-3 782

SERIAL

8810-370

☒ OVERHAULED☐ REPAIRED☐ FUNCTIONALLY TESTED ONLY

MAINTENANCE RELEASE

The aircraft component identified was repaired and/or inspected in accordance with current Federal Aviation Agency Regulations and was found airworthy for return to service, with respect to work performed. Pertinent details of the repair are on file at this agency under:

REPAIR ORDER

3227

DATE _____

6-12-91

SIGNED

REPAIRS AND ALTERATIONS
ING AND CERTIFICATE NUMBER OF
GES FOR OTHER SPECIFIC ENTRIES.

313-7 and installed
functionally checked

ASTERN AVIONICS INC

es Municipal Airport

Stfield, Ma. 01085

FAA FVHRO55E

ELECTRIC GYRO CORP.
Division of Mid-Continent Inst. Co., Inc.
7706 East Osite - Wichita, KS 67207
E A A MME 341-01

DATE
19__

RECORDING
TACH
TIME

TODAYS
FLIGHT

TO
THE
SE

06-18-21

06-18-91

NOMENCLATURE

MODEL

G-300A

MFG. BY

PART

SERIAL

SERVICEABLE

OVERHAULED

☐ REPAIRED

FUNCTION TEST

MAINTENANCE RELEASE

The aircraft component identified was repaired and/or
accordance with current Federal Aviation Agency Regulation
found airworthy for return to service, with respect to work
Pertinent details of the repair are on file at this agency under:

REPAIR ORDER

3349

DATE 6-12

SIGNED

Alcornoque

FVH

ELECTRIC GYRO CORP.
Division of Mid-Continent Inst. Co., Inc.
7706 East Osie - Wichita, KS 67207
F.A.A. MME 341-01

REPAIRS AND ALTERATIONS
ING AND CERTIFICATE NUMBER OF
GES FOR OTHER SPECIFIC ENTRIES.)

813-7 and installed
functionally checked

Shendahl
ASTERN AVIONICS INC.
es Municipal Airport
stfield, Ma. 01085
FAA FVHR055E

[illegible]

NOMENCLATURE

TURN COORDINATOR, AUTOPILOT

MODEL

G-300A

MFG. BY

EGC

PART

1394T100-3 7R7

SERIAL

4-7810-542

SERVICEABLE

OVERHAULED

☐ REPAIRED☐ FUNCTIONALLY TESTED ONLY

MAINTENANCE RELEASE

The aircraft component identified was repaired and/or inspected in accordance with current Federal Aviation Agency Regulations and was found airworthy for return to service, with respect to work performed. Pertinent details of the repair are on file at this agency under:

REPAIR ORDER

3349

DATE 6-17-91

SIGNED

McDonald

Shedrah

FVHROSSIE

ELECTRIC GYRO CORP.
Division of Mid-Continent Inst. Co., Inc.
7706 East Osle • Wichita, KS 67207
F.A.A. MMF 341-01

RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	ENTRIES MADE MECHANIC OR REPAIR PERSON
			Removed ARC G300A # T 30143T + G300A # 4-7810-542. Checked J Shindrah NORTHEASTERN AVIONICS INC Barnes Municipal Airport Westfield, Ma. 01085 FAA FVHRO55E
			Removed clock + installed Astro-tech LC2 chronometer in accordance w/ manufacturer instructions, AC43163-2A J Shindrah FVHRO55E

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				Transponder AT150 S/N 35536
				Has been tested per FAR 43 Appendix F to comply with FAR 91.183
				Date 05/18/92
				Summit Aviation, Inc.
				CRC SMTR2081
				CLASS 3
				W. J. White WA7768

DATE

19__

RECORDING
TACH
TIMETODAYS
FLIGHTTOTAL
TIME IN
SERVICE

ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

This is to certify that the altimeter, static system, and altitude reporting system has been checked as required by 91. Altimeters and altitude reporting system calibrated in accordance with 14 CFR, appendix E and F.

Pilot altimeter

5934PIA83

Calibration date

Copilot altimeter

14 MAY 92

Calibration date

Encoder

A-30

Signature

Paul M. Buckley

SN 8E075

SN 8E075

SN

Altitude

12084

Date 18 MAY 92

FAA Approved Repair Sta. SMTR208I CLASS 3

NS
BER OF
ENTRIES.)

DATE

19__

ALTERATIONS
ICATE NUMBER OF
SPECIFIC ENTRIES.)

MFG. United Instr. WORK ORDER # L2258

☒ Overhaul ☐ Repair ☐ Bench Check & Test ☐ Other _____

The Aircraft Appliance identified above was overhauled, repaired, or bench tested (as per block marked) and inspected, in accordance with current Federal Aviation Administration Regulations, and is approved for return to service. Details of this component are on file at this repair station.

Al D Bell

AUTHORIZED SIGNATURE

MAY 14 1992

DATE

Signature Al D Bell Date 10/11/92
FAA Approved Repair Sta. SMTR208I CLASS 3

DATE

19__

ALTIMETER SCALE ERROR

PART NO. 5934 PIA 83

SERIAL NO. 8E075

ALTIMETER PRESSURE

TEST PT (FT)	INDICATOR READINGS AT + 25 °C	TEST PT (FT)	INDICATOR READINGS AT + 25 °C	TEST PT (FT)	INDICATOR READINGS AT + 25 °C
-1000	+10	8,000	-10	30,000	
0 0	+15	10,000	-15	35,000	
500	+10	12,000	-15	40,000	
1000	+10	14,000	-5	45,000	
1500	+5	16,000	+5	50,000	
2000	+5	18,000	+5	55,000	
3000	+10	20,000	0	60,000	
4000	+5	22,000		70,000	
6000	-5	25,000		80,000	

BFG/C9102

ALTERATIONS

INDICATE NUMBER OF SPECIFIC ENTRIES.)

required
a calibrated

75

SS 3

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
--------------	---------------------------	------------------	-----------------------------	---

I CERTIFY THAT THIS AIRCRAFT

WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE

WITH A ANNUAL INSPECTION AND IS

APPROVED FOR RETURN TO SERVICE. PERTINENT

DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER

ORDER NO. 7768 DATE 18 MAR 92

Ralph M. Buehler

INSPECTOR

SUMMIT AVIATION, INC.

MIDDLETOWN, DELAWARE

F.A.A. APPROVED REPAIR

STATION SMTR 2081 CLASS 3

TACH TIME 205.7

T.T. 3185.4

C/W AD 87-20-3 R2 SEAT RAIL INSP. BY VISUAL INSP. C/W AD 83-13-1 FUEL CAP INSP.

BY VISUAL - C/W AD 84-26-2 PAPER AIR FILTER BY INST. NEW - C/W AD 76-7-12 BENDIX

IGN-SW. BY MANUAL OPERATION. INST. NEW RT. MAIN TIRE

DATE 19__	RECORDING TACH TIME
--------------	---------------------------

ector: Ralph M. Buehler

er Altimeter

Max. Alt.



C/W AD 8

Fuel cap in

C/W AD 7

Propeller

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS, CERTIFICATIONS
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATION
MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES)

DATE

RECORDING

TACH
TIME

TODAYS
FLIGHT

TOTAL
TIME IN
SERVICE

I CERTIFY THAT THIS Aircraft
WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE
WITH A Annual INSPECTION AND IS
APPROVED FOR RETURN TO SERVICE. PERTINENT
DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER
8982 DATE 5-14-93

David Johnson INSPECTOR

GENERAL AVIATION, INC.
MIDDLETOWN, DELAWARE
F.A.A. APPROVED REPAIR
STATION SMTR 2081 CLASS 3

TACH TIME 269.6

ACT 3249.3

GWAD 8720-3 R2 Seat Rail inspect By visual inspection. GWAD 83-13-1
Fuel cap insp By visual. GWAD 84-26 2 Paper filter By visual inspection.
GWAD 76-7-12 Bendix dgn swtch By manual operation. Reinstalled
Propeller after O.H. Run & seal checked OK

COWL SHOCK MOUNT CONT
NEXT
PAGE

DATE 19 <u>93</u>	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
<u>3/18/94</u>				The ATC Transponder Tests and Inspections as Required by FAR 91.413, in Accordance with FAR 43 Appendix F have been Performed Transponders Tested
<u>HOBBS 3419.3</u>				
				#1 Model <u>AT-150</u> S/N <u>35535</u>
				#2 Model <u>N/A</u> S/N <u>N/A</u>
				The Systems have been Found Airworthy for Return to Service. Details of this Inspection are on File at this Agency Under Work Order
				Number <u>8335</u> Date <u>5-18-94</u>
				Signed <u>[Signature]</u> For
				Repair Station SKYTECH, INC.
				LF1R294K
				P.O. Box 4942 Baltimore, MD 21220

DATE 19 <u>94</u>	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
13 JUN	342.6			INSPT'D & LUBED INTERIOR AND AIRFRAME
94				INSPT'D & SERVED TIRES, BRAKES AND BATTERY, INSPT
				& REPACK WHEEL BEARINGS, REPLACE VACUUM REG
				FILTER, REPLACED ELT BATTERY (NEXT DUE JUL 96)
				ELT OPS OPS CK'D SATISF, REPLACED copilot roller
				WASHERS, OPS CK'D Lites, Pitot HT & STALL WARNING
				REPLACED STIFFENER IN UPPER COWL NOSE BOWL,
				REPLACED PARKING BRAKE CLIP, Tightened LH cowl
				FLAP & NOSE STRUT TORQUE LINK, REPLACED NOSE
				TIRE, TRIMMED LOWER COWL BUMPER BRACE & REPAK
				LOOSE RIVETS REPLACED WORN BAFFLE MATERIAL
				& RTVO HOLES, REPLACED COWL SHOCK MOUNT CONT

NEXT
PAGE

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19 <u>45</u>				
2 APR 95	454.5			SERVICED NOSE STRUCT WITH AIR Robert J Kumbule ATP 1299922
26 JUL 95				AIRCRAFT LUBRICATED - REMOVED EXISTING FUEL CELL R.H - REPLACED AC FUEL CELLS WORLDWIDE INC WITH NEW UNIT P/N 1200065-24 S/N F-923 (LEAK CK'D SATIS) ALL WHEEL BEARINGS CLEANED AND REPACKED - SVC'D BATTERY - OP'S CK'D ELT BATT. DUE CHG (JUL 96) - REPLACED SPONGE VACUUM FILTER - REPAIRED CRACK L/H GEAR LOWER FAIRING ATT. BRACKET - REPLACED SPRING R.H. TIEDOWN RING - RESEALED R.H. BRAKE MASTER CYL & BLED - REPLACED 3 RIVETS PLASTIC ELEVATOR STAB TIPS - REPAIRED GROUND WIRE @ TAN CONE LITE - SVC'D GASCOLATOR - REPAIRED LEAK @ FUEL SELECTOR DRAIN -

(OVER)

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19 <u>95</u>				
26 JUL 95 (CONT)	(RE-OCCURRING) C/W AD 83-13-01			LEAKING FUEL CAPS C/W PER PARA A+B - C/W AD 87-28-3 SEAT RAILS BY INSP (DUE EACH 12 MONTHS) C/W AD 87-26-02 PAPER AIR FILTER BY REPLACEMENT (RE-OCCURRING) C/W AD 76-07-12 BENDIX 16N SWT. BY OP'S CK (RE-OCCURRING)
Date <u>26 JUL 95</u>				TACH <u>0474.2</u>
I certify that this aircraft engine has been inspected in accordance with <u>ANNUAL</u> inspection and was determined to be in airworthy condition total time <u>8453.90</u> tach time <u>0474.2</u>				ADP 114-42-7782
				IA 114-42-7782

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1996				
12 AUG				AIRCRAFT LUBRICATED - ENGINE REMOVED AND OVERHAULED & 96 RE-INST UTILIZING NEW ENGINE SHOCK MOUNTS - REPAIR CORROSION ON ENG MOUNT BY TIG WELDING OUTER SLEEVE METHOD 2 PLACES SEE FAA FORM 337 THIS DATE - THROTTLE AND MIXTURE CONTROLS REPLACED - SERVICED AIR FILTER - OP'S CK'D ELT AND INST NEW BATTERY - AIRCRAFT BATTERY SUC'D - REPLACED RT. MAIN TIRE - ALL WHEEL BEARINGS CLEANED AND REPACKED - ALL BRAKE LININGS REPLACED - NOSE STRUT COWL SEAL REPLACED REPLACED ALL SEALS IN NOSE STRUT & SUC'D - LT. GEAR LEG FAIRING REPAIRED - REPAIRED CHAFING LT. BRAKE LINE @ GEAR LEG - SUC'D GASCOLATOR - ACFT TREATED WITH CORROSION X

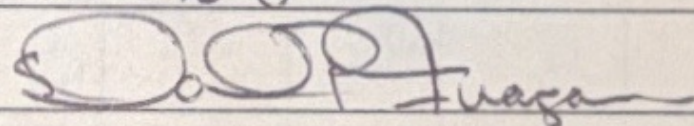
(OVER)

DATE 19 <u>96</u>	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				(RE-OCCURRING) C/W AD 83-13-01 FUEL CAPS By INSP. - C/W AD 86-24-07 ENG Controls PER PARA (a) - C/W AD 87-20-03 R2 SEAT RAILS By INSP RE-OCCURRING EACH ANNUAL - C/W AD 76-07-12 BENDIX IGNITION SWITCH By OP'S CK (RE-OCCURRING) - C/W CESSNA SERVICE BULLETIN SEB 95-3 FLAP SUPPORT PER MAINT INST'S AND INST NEW ROLLERS & WASHERS AND BUSHINGS - FLAP SUPPORTS CK'D WITHIN LIMITS -

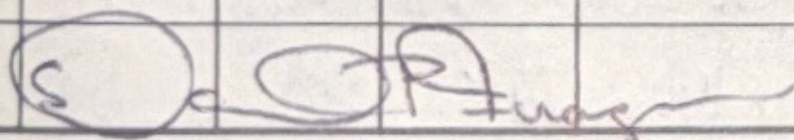
Date 12 AUG 96

I certify that this aircraft engine
has been inspected in accordance with a
ANNUAL inspection and was determined
to be in airworthy condition
total time 3556.5 tach time 576.8

TACH 576.8



AAP 114-42-7782



IA 114-42-7782

NO. _____
 ENGINE MOUNTS: 23946
 1600-1

SERVICEABLE TAG

KOSOLA & ASSOCIATES, INC.
 5601 NEWTON ROAD
 ALBANY, GEORGIA 31706 USA
 P.O. BOX 3529
 912-435-4119

F.A.A. APPROVED REPAIR STATION NO. HEAR229M

ENGINE MOUNT
 0751600-1
 23946

W/O DATE 23946
 2/12/97

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)			
PART NAME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	ENGINE SN 463897 Removed, Inspected for a Prop Strike AND ReINSTALLED.
PART NO.			ENGINE Mount Removed for Repair At KOSOLA + ASSOC INC. (Per WO# 23946 ATTACHED) Mount ReINSTALLED + Engine ReINSTALLED After Repair, Re using Existing Serviceable Prop, Prop Box, VAC Pump, Alternator, BASSETS + Exhaust System AND AirBox. Engine Ground Run. Leak Checked AND As Tested As Necessary. Operational Check Satisfactory.
TACH TIME			MAHITICK AIRBASE INC. CRS QY2R1252
			Wahlon P. Russell

23946 R/4117.
 Aircraft is Airworthy with respect to the work performed.



KOSOLA AND ASSOCIATES, INC.

P.O. BOX 3529, 5601 NEWTON ROAD
ALBANY, GEORGIA 31706, USA

WORK ORDER NO. 23946

REPAIR OF TUBULAR STEEL ENGINE MOUNTS:

FAA APPROVED REPAIR STATION NO. HE4R229M Manufacturer CESSNA
Airplane Model C-182
Engine Mount Part Number 0751600-1
Engine Mount Serial Number K3946

ENGINE MOUNT DESCRIPTION OF WORK ACCOMPLISHED:

- ☐ STRIP PAINT:
- ☒ SANDBLAST:
- ☐ TUBES REPAIRED:
- ☒ TUBES REPLACED: REPLACED TUBES THAT ATTACH TO LOWER FIREWALL BUSHINGS AND TO FORWARD ENGINE ATTACH POINTS.
- ☒ OTHER REPAIRS: WELDED SLEEVES ON LEFT AND RIGHT MAIN ENGINE ATTACH POINT TUBES.
- ☐ FAA AIRWORTHINESS DIRECTIVE (AD) COMPLIANCE:
- ☐ MANUFACTURER SERVICE LETTER/SERVICE BULLETIN COMPLIANCE:
- ☒ TIG WELDED PER AC43.13-1A CHAPTER 2, SECTION 2.
- ☒ STRESS RELIEVE PER REPORT KR-36.
- ☐ DYE PENETRANT INSPECT NEW WELDS PER AC43.13-1A PARA. 300.
- ☒ CORROSION PROTECT NEW TUBE INTERIORS PER AC43.13-1A PARA. 248 (n).
- ☒ PRIME AND PAINT.

THE ENGINE MOUNT 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 THE ABOVE WORK ORDER.

AUTHORIZED SIGNATURE Daniel H. Shep DATE 2/12/97

OMPLISHED:

CPS Q42R1252

DATE 1957	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
3-10				Removed Cessna Airc CA-295B A/P controller & installed CA-295A A/P controller. Also removed RCA Allen D.G. & installed Sylvania G-502A D.G. w/1400 BUB. Aircraft TC'd with new 300A A/P system by manufacturer. Ramp / Flighted checked operation of system & found that no adverse effects were induced by the upgrade. W/B change negligible. Equipment list revised. See Form #337 this date for further details. LANCASTER AVIONICS INC. LANCASTER AIRPORT LITITZ, PA 17543 DATE 3-10-57 CERTIFICATE NO. LN7R261N SIGNED <i>[Signature]</i>

Ref. W.O. #1027

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				

ROSS AVIATION Inc.,
5223 Bucktown Rd., Cambridge, MD 21613
Tel: 410 - 228 2061 Fax: 410 - 228 1490

Date: July-14-97 Aircraft: N1649M Cessna 182P, S/N 18264402
Current Tach Time: 720.4 hours. Engine: 0-470-S, S/N 463897

Removed original Cessna cabin vents and installed "Ventube" vents iaw STC# SA8150SW.
See copy STC with aircraft records. Removed Aeroflash tail beacon and installed new Whelan
beacon Model 70509. Weight and balance change negligible, filed one FAA 337 form for this
work.

GM -2515184 ACP/IA

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1997				
4 SEP 97				AIRCRAFT LUBRICATED - SERVICED AIR FILTER - CHARGED ACFT BATTERY - SERVICED TIRES - REPLACED OUTBD BRAKE LINING EACH SIDE - ALL TACH WHEEL BEARINGS CLEANED AND REPACKED - GASCOLATOR SUC'D - 740.8 REPLACED (1) COWL SHOCKMOUNT - CLEANED EXH. SHROUD & RE-INST - REMOVED & REPLACED ELT INST AMERI-KING CORP AK 450 S/N 354583 UNIT OPS CK'D SATIS. BATT. DUE CHG (JAN 2001) SEE FORM 337 - CW AD 87-20-03 R2 SEAT RAILS BY INSP (DUE EACH ANNUAL) CW AD 83-13-01 FUEL CAPS BY INSP (RE-OCCURRING) AD 97-01-13 FUEL HOSES D/N/A TYPE NOT INST. - REPLACED AIR Box RUBBER SEALS - REPLACED LOOSE RIVETS BOTTOM COWL AS REQ. - REPLACED BEARING & BOLT ELEVATOR TAB - BATT. BOX CLEANED - REPAIRED R.H. GEAR STRUT FAIRING AND RE-INST - TREATED CORROSION TOP COWL & PAINTED (INSIDE) - LT OUTBD AIL. ROD END REPLACED E. J. Fuquass ADP114-42-7782

[illegible]

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF
MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

CORROSION

TREATMENT CENTER

XTM
AVIATION

THE PLANE DOCTOR

10300 Glen Way

Fort Washington, Maryland 20744

Phone # 202-243-7930

TREATMENT DATE

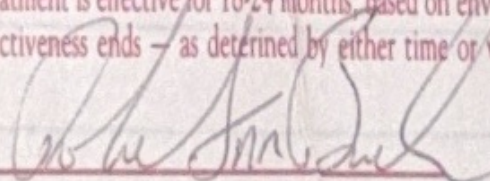
12/2/97

No 8127

N1649M

AIRCRAFT SN OR N NUMBER

I certify that this aircraft has been treated with Corrosion X (Mil-C81309E) to stop and arrest corrosion. Treatment is effective for 18-24 months, based on environmental conditions. Re-treating is recommended when effectiveness ends — as determined by either time or visual inspection.


TECHNICIAN'S SIGNATURE

A8228789505

A & P NUMBER

DATE

TOTAL

MANUFACTURER RELEASE CERTIFICATE

Insight

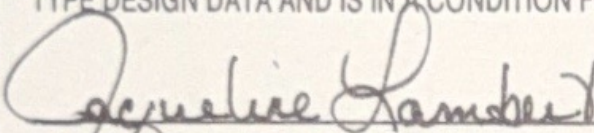
D.O.T. Approval

No. 42 — 90

FORT ERIE, ONTARIO L2A 5M1

Product Name: GEM Manufacturer: INSIGHTPart No.: 1261 Serial No.: 9937Software Level: 602D Mod.: T

FOR D.O.T. USE

THE AERONAUTICAL PRODUCT DESCRIBED HEREON CONFORMS TO APPROVED
TYPE DESIGN DATA AND IS IN A CONDITION FOR SAFE OPERATION.
AUTHORIZED INSPECTORJan. 07/98
DATE

APPROVED FOR EXPORT

D.O.T. AIRWORTHINESS REPRESENTATIVE

DATE

ALTERATIONS TO

AND THE APPROVING AGENCY.

DATE

19__

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.

ROSS AVIATION Inc.,
5223 Bucktown Rd., Cambridge, MD 21613
Tel: 410 - 228 2061 Fax: 410 - 228 1490

Date: Jan-13-98**Aircraft: N1649M****Cessna 182P, S/N 18264402****Current Tach Time: 768.8 hours.****Engine: O-470-S, S/N 463897**

Installed Gem 602-6 engine analyzer S/N 9937 under STC# SA157NE, see copy STC with aircraft records. Replaced aircraft battery with new battery S/N G01736835.

AML 2515164AUP.

DATE

1998

TOTAL
TIME IN
SERVICEREFERENCE OF MAJOR REPAIRS AND MAJOR ALTERATIONS TO
FAA FORM ACA-337 BY DATE, OR TO THE WORK ORDER BY NUMBER AND THE APPROVING AGENCY.

3-17

Installed MEC ALT.-30 system IAW STEC STC # SA0926AC-D.
Aircraft was functionally tested via ramp check & flight check
& was found to perform its intended function w/o adverse
effects on other alt systems. w/ Balance check rec'd.
Equipment list revised. See Form #337 this date.

LANCASTER AVIONICS INC.

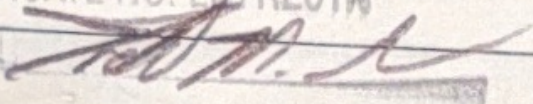
LANCASTER AIRPORT

LITITZ, PA 17543

DATE 3-17-98

CERTIFICATE NO. LN7R261N

SIGNATURE



[illegible]

Certified Repair Station PJ1R402K
Maryland Airport, Indian Head, MD 20640
(301) 283-0131

ALTIMETER CALIBRATION RECORD

Aircraft number

N1648M

Altimeter s/n

altimeter position

Tested in Situ - S/N on file
PRT

Technician

Inspector

Date _____

91. *Phlox*
91. *Phlox*
5/26/98

Altitude	climbing	descending	friction
-1000	+10	x	x
0	4/10		x
500	+5	x	x
1000	+5	x	x
1500	+10	x	40
2000	+10	x	x
3000	+10	x	40
4000	+10	x	40
		x	x

Barometer scale	Alt diff. feet	
28.10	-1720	-1727
28.50	-1320	-1340
29.00	-860	-863
29.50	-385	-392
29.92	0	0
30.50	+530	+531
30.90	+890	+893
30.99	+970	+974