

MAINTENANCE RECORD

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
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19__

<i>Apollo Aviation Co., Inc.</i>	<i>Gulfport, MS 39507</i>	<i>(228) 863-8563</i>
<i>N5861S</i>	<i>HM: 362.0</i>	<i>12/05/2006</i>

Remove and replaced reconditioned Fuel Sending Units. Op's checked good.

~~~~~Blaine Wills A&P 436983651~~~~~

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*N5861S A/F VOL II*

© 1991 AC

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→ **AERO JACKSON** →  
JACKSON, MISSISSIPPI

N5861S AIRCRAFT LOGBOOK ENTRY 12-29-06 TACH TIME 541.74

Inspected rudder spar in accordance with AD 93-24-03 (b)(1), no cracks noted. Installed Dick Wilson-Aero Engineering Part Numbers DW-1 & DW-2 replacement rudder hinge brackets in accordance with STC SA00044LA. In a letter accompanying STC, permission to use DW-1 & DW-2 as an alternate means of compliance of Paragraph (b)(3) is granted. 500hr inspections of rudder spar are no longer required per Paragraph (d) of AD. See Form 337 for further details. Rudder reinstalled and secured.

Replaced right side engine muffler. Installed overhauled muffler, P/N 186, from Aerospace welding. See attached Form 8130-1

David Townes Cox A&P 26795781A



# MAINTENANCE RECORD

## F.A.R. 43.9

(Number of entries.)

| DATE OF COMPLETION | AIRCRAFT TIME IN SERVICE | DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED | AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE |
|--------------------|--------------------------|-----------------------------------------------------|-------------------------------------------------------------|
|--------------------|--------------------------|-----------------------------------------------------|-------------------------------------------------------------|

15, June 2007    BEECH 35-C33    SN/CD824    N5861S

Aircraft fully stripped, etched, primed and repainted with polyurethane topcoats. Control surfaces were checked for static balance IAW the BEECH service manual and were found to be within the specified tolerances stated therein. I hereby return this aircraft to service this date.

Signature: *Behar James*

Certification: ASP 1912260 IA

Color Codes:  
 Matterhorn White    570535    Jet Glo  
 Red    77968    Imron  
 Silver Gray    U07474    Jet Glo

**RONALD D. SMITH**  
**DAN SMITH AIRCRAFT COMPANY**  
 OPERATIONS DEPOT  
 111 AIRPORT RD. • HOUSTON, MS 38851  
 662-456-9112

**MAINTENANCE RECORD  
F.A.R. 43.9**

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|                    |                          |                                                     |                                                             |

Air Services, LLC  
110 S. Hangar Dr  
JACKSON, MS 39208  
CRS MOQR197Y

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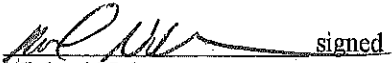
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| N5861S | SN CD-824 | HOBBS: 0426.2 |
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- Removed KMA-20, KX-155 and KI-209.
- Installed Garmin GMA-347, GI-106A and SL-30.
- Installs completed IAW MFR latest Install manuals.
- FAA Form 337 and Weight and Balance.

The aircraft, airframe, aircraft engine, appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service.

Pertinent details of the repair are on file at this repair station under shop order no. JAM-11548  
Date 8/17/2007.

 signed  
Michael Noles  
CRS MOQR197Y

14.  Appr.  Non-appro.

15. Authorized Signature:  
*Mark R. Merliss*

17. Name (Typed or Printed):  
Mark E. Merliss

It is important to understand that the existence of this document alone  
Where the user/installer performs work in accordance with the national regula-  
Block 1, it is essential that the user/installer ensures that his/her airworthiness auth.

WORK PERFORMED  
DATA USED

AGENCY & CERTIFICATE NO.  
WORK PERFORMED/RETURNED TO SERVI

Air Services, LLC  
110 S. Hangar Dr  
JACKSON, MS 39208  
CRS MOQR197Y

SN CD-824

HOBBS: 0426.2

- Completed oil change with A/S 100W and Detergent additive
- Cleaned and Inspected Plugs.
- Compression check good.

The aircraft, airframe, aircraft engine, appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service.  
Pertinent details of the repair are on file at this repair station under shop order no. JAM-25607  
Date 8/17/2007

*Michael Noles* signed  
Michael Noles  
CRS MOQR197Y

ENO.  
D TO SERVICE

NO. OF SERVICE

DATE

19

→ AERO JACKSON →

JACKSON, MISSISSIPPI

N5861S AIRCRAFT LOGBOOK ENTRY 1-1-08 TACH TIME 620.29 TOTAL TIME IN SERVICE 8309.59

Operations  
(Number of  
entries.)

Complied with the following AD Notes: 2007-08-08 by lubrication of uplock rollers, due each 100hrs. 96-12-22 by inspection of oil filter adapter, due each oil change. 95-04-03 (a) by inspection of carrythru spar per S/B 2360 Accomplishment Instructions, no cracks noted. Due each 500hrs. 76-07-012 by operational check of mag switch. See complete AD list in rear of this logbook. Cleaned fuel strainer. Serviced aircraft battery. ELT inspected per FAR 91.207(d). ELT battery expiration date is SEPT. 2008. Replaced propeller spinner and bulkhead, see propeller logbook entry. Replaced left exhaust tailpipe. Replaced right exhaust stack. Aircraft jacked, replaced 3ea bearings and races in main wheels, replaced 1ea. bearing and race in nose wheel. Cleaned and repacked all wheel bearings. Replaced landing gear warning switch assy. Landing gear retraction and extension operational checked OK. Landing gear emergency extension operational checked, OK. Replaced fuel sender units and trouble-shot fuel gauge system, wiring changed to correct configuration. Engine washed and ground run, operational checked OK, no leaks noted.

I certify that this AIRCRAFT has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in AIRWORTHY condition.

David Townes Cox A&P 2679578

*David Townes Cox*

| DATE<br>19__ | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | <b>Description of Inspections, Tests, Repairs and Alterations</b><br>Entries must be endorsed with Name, Rating and Certificate Number of<br>Technician or Repair Facility. (See back pages for other specific entries.) |
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|--------------|---------------------------|------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

DATE  
19\_\_

Apollo Aviation Co., Inc. Gulfport, MS 39507 (228) 863-8563  
 N5861S HM: 359.7 12/04/2006

Installed standby Alternator Kit I/A/W STC SA00724WI. Kit and STC  
 provided by B and C Specialty Products, Inc.  
 Performed op check of system.  
 Note: For continuous airworthiness refer to installation manual.  
 Amended equipment list to reflect the addition of this system.  
 Revised weight and balance. See POH to reflect an increase in useful  
 load.  
 Inserted FAA Approved Airplane Flight Manual Supplement in POH.  
 This aircraft is approved for return to service.

\_\_\_\_\_ Blaine Wills A&P 436983651 *Blaine Wills*





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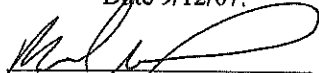
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|  |  |  |  | Trinity Aviation Services<br>110 S. Hangar Dr<br>JACKSON, MS 39208<br>CRS 31TR973Y |
|--|--|--|--|------------------------------------------------------------------------------------|

|        |           |               |
|--------|-----------|---------------|
| N5861S | SN CD-824 | HOBBS: 0426.2 |
|--------|-----------|---------------|

Complied with WAAS update as per Garmin Install Manuals and Service Letters. Ops checks normal.

The aircraft, airframe, aircraft engine, appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service.  
 Pertinent details of the repair are on file at this repair station under shop order no. 10113

Date 9/12/07.

 signed  
 Michael Noles  
 CRS 31TR973Y

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Alterations  
Number of  
entries.)

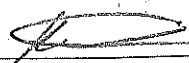
| DATE | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | <b>Description of Inspections, Tests, Repairs and Alterations</b><br>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.) |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

Trinity Aviation Services  
110 S. Hangar Dr  
JACKSON, MS 39208  
CRS 31TR973Y

|                                                           |               |             |            |
|-----------------------------------------------------------|---------------|-------------|------------|
| N5861S                                                    | Model: 35-C33 | S/N: CD-824 | 11/9/ 2007 |
| Installed GPSS roll steering – coupled with existing GPS. |               |             |            |

The aircraft, airframe, aircraft engine, appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service.

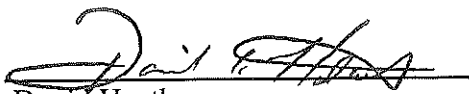
Pertinent details of the repair are on file at this repair station under shop order no. 10127, Date 11/9/07.

 signed  
Michael Noles  
CRS 31TR973Y

| DATE<br>19__ | RECORDING<br>TACH<br>TIME | TODAYS<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | <b>Description of Inspections, Tests, Repairs and Alterations</b><br>Entries must be endorsed with Name, Rating and Certificate Number of<br>Technician or Repair Facility. (See back pages for other specific entries.) |
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|--------------|---------------------------|------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

January 21, 2008 LOG BOOK ENTRY N5861S 628.5 Hrs. Work Order No.3048

REMOVED: WSI AV200 & WSI AVX5. INSTALLED: Garmin GDL69, P/N# 010-N0326-01, S/N# 47704974 & GA55 Antenna, P/N# 010-10600-01, S/N# 87507901. Weight & Balance change negligible.



David Heath  
Heath Aviation  
FAA CRS HVDR337X

charge a battery at the recommen  
Teledyne Tech Support for the perf  
battery. This curve can be used to  
time for a known discharge rate to  
75 volts per cell).

**CRITHNESS TESTING**

also CV chargers.

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will continue to drop as the batte

is constant - typically around 2

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arger charging

**The GILL Bat**

**COMMENDED PRA  
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rations  
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DATE  
19

Reinstalled overhauled manifold pressure/fuel flow gauge, p/n 22-262-017 s/n A4151. Groundran engine.  
Operational check OK. No leaks noted. Lubricated alternate vacuum push pull cable.

Sheldon A Burgess A&P 2159379 *Sheldon A Burgess*

**Q AERO JACKSON Q**  
JACKSON, MISSISSIPPI

N5861S Date 10-16-08 Tach, 720.29 Hourmeter 577.8

Serviced and installed new Gill G35 aircraft battery, p/n G35 s/n G02384411.

Sheldon A Burgess A&P 2159379 *Sheldon A Burgess*

**Trinity Aviation Services**  
110 S. Hangar Dr  
JACKSON, MS 39208  
CRS 31TR973Y

**N5861S 35-C33 SN CD-824 October 09, 2008**  
Removed PN 1049-4000-03, SN 12368 and replaced with GDC31 Roll Steering Converter,  
PN 1049-4000-03, SN 10491. Ops check good. Flight test good.

The aircraft, airframe, aircraft engine, appliance identified above was repaired and  
inspected in accordance with current maintenance rules of the Federal Aviation Regulations  
and is approved for return to service. Pertinent details of the repair are on file at this repair  
station under Shop Order No. 10242, dated 10/31/08.

*[Signature]* signed  
Michael Notes  
CRS 31TR973Y

Q AERO JACKSON Q  
JACKSON, MISSISSIPPI

DATE

19

N58618  
8460.93

Aircraft

Date 2-11-09

Tach. 771.63

Hourmeter 630.2

Total Time

Operations  
Number of  
entries.)

DATE

19

C/W AD76-07-12R1 Bendix ignition switch operational check OK. C/W AD89-06-02 elevator control fitting by inspection. No cracks found. AD99-24-10 stand by vacuum does not apply. Valve s/n is 12790. See complete AD list in rear of this logbook. ELT inspected per FAR 91.207(d). ELT battery expiration date (March 2011). Replaced lt nav light lamp. Aircraft jacked. Cleaned inspected and repacked all wheel bearings. Replaced landing gear dynamic brake switch. Landing gear retraction and extension operational checks OK. Landing gear emergency extension operational check OK. Greased landing gear. Replaced Brackett filter element p/n BA-7112. Replaced all seat rollers. Repaired elt coax cable end. Repaired fire sleeve on hose to spider valve. Resealed firewall at prop cable. Retorqued and safetied elevator hinge bolts. Retorqued and safetied lt aileron pushpull rod fwd bolt. Applied flap indicator sticker to lt flap. Replaced all floor boards. Replaced vacuum relief filter p/n B3-5-1. Serviced battery and brake reservoir. Cleaned fuel strainer. Lubricated aircraft. Engine washed and ground ran. Operational checks OK. No leaks noted.

I certify that this aircraft has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

Sheldon A Burgess A&P 21593791A

*Sheldon A Burgess*

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July 1

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**Aircraft Electromotive FAA CRS# TF4R542M**

I certify that the Altimeter, Encoding and Static System test required by FAR 91.411 have been performed this date.

Alt S/N 15546 was tested to 20,000 Ft on 2-12-09  
I certify that the Transponder test required by FAR 91.411 has  
been performed and found to comply Larmin 67X327  
Make & Model

Signature [Signature] Date: 2-12-09

| Year            | Tach   | hour meter | Description                                                                                                                                                                                                                                                  |
|-----------------|--------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2009<br>July 10 | 836.56 | 646.1      | Removed Larage ELT. Installed Mer King<br>model AK450, serial no. 485334. Weight and<br>balance change negligible. Tested and inspected<br>ELT in accordance with FAR 91.205 (cod).<br><u>[Signature]</u> #IP 2723137JA<br>Battery replacement Done Mar/2014 |

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|--------------|---------------------------|------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aug 24       | 848.67                    |                  | 708.3                                       | <p>AD 76-07-12 R1 Tested Bendix ignition switch. Next due 948 hours.</p> <p>AD 89-05-02 Visually inspected elevator control fittings. Next due at 948 hours.</p> <p>AD 96-12-22 visually inspected oil filter adapter. Next due at oil change or 948 hours whichever occurs first.</p> <p>AD 07-08-08 Lubricated landing gear uplock rollers. Next due at 948 hours.</p> <p><i>William D Wynn A+P 2723137EA</i></p> |
|              |                           |                  |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                     |
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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------|
| 1. Approving Civil Aviation Authority/Country<br><b>Transport Canada</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   | 2. AUTHORIZED RELEASE CERTIFICATE<br>FORM ONE |                                                                                                                                                                                                                                                                                                                |                                                  | 3. Form Tracking No.<br>(YYMMDD-XXX)<br><b>091006-201</b> |
| 4. Organizations Name and Address<br><b>INSIGHT INSTRUMENT CORPORATION<br/>599 INDUSTRIAL DRIVE<br/>YORKVILLE, ONTARIO, CANADA L2A5M1</b>                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                               |                                                                                                                                                                                                                                                                                                                | 5. Work Order/Contract/Invoice<br><b>JENKINS</b> |                                                           |
| 6. Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7. Description                    | 8. Part No.                                   | 9. Qty.                                                                                                                                                                                                                                                                                                        | 10. Serial/Batch No.                             | 11. Status/Work                                           |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | GEM 602 Display Unit              | GEM 2962                                      | 1                                                                                                                                                                                                                                                                                                              | 5083                                             | Repair                                                    |
| 12. Remarks<br><i>replace processor, readers and analog driver.<br/>Start as per 0P042809.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |                                               |                                                                                                                                                                                                                                                                                                                |                                                  |                                                           |
| 13. Criteria that the item is certified to be constructed in conformity to:<br><input type="checkbox"/> A category design data and are in a condition for safe operation<br><input type="checkbox"/> See approved design data specified in block 12.                                                                                                                                                                                                                                                                                                  |                                   |                                               | 14. X CAR 571.10 Maintenance Release<br><input type="checkbox"/> Other regulations specified in block 12<br>Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the <i>Canadian Aviation Regulations</i> . |                                                  |                                                           |
| 13a. Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 13b. Approved Organization Number | 13c. Date (dd/mm/yyyy)                        | 14a. Name                                                                                                                                                                                                                                                                                                      | 14b. Approved Organization Number                | 14c. Date (dd/mm/yyyy)                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |                                               | <b>TERRY REICHNIS</b>                                                                                                                                                                                                                                                                                          | 42-90                                            | 06 Oct 2001                                               |
| (Previously form 24-0028)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                                               |                                                                                                                                                                                                                                                                                                                |                                                  |                                                           |
| <b>Installer Responsibilities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |                                               |                                                                                                                                                                                                                                                                                                                |                                                  |                                                           |
| This certificate does not constitute authority to install.<br>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.<br>Statements in block 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown. |                                   |                                               |                                                                                                                                                                                                                                                                                                                |                                                  |                                                           |



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|--------------|---------------------------|------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dec 3        | 898.72                    |                  |                             | AD 76-07-12 R1 Tested Bendix igniter<br>switch. Next due at 998 hours.<br>AD 89-05-02 Visually inspected glow plug control<br>fittings. Next due at 998 hours.<br>AD 96-12-22 Visually inspected oil filter<br>adapter. Next due at oil change c. 998<br>hours. Whichever occurs first.<br>Walter N Wj ACP 2723137 IA |
| 2010         |                           |                  |                             | Feb 3<br>Hobbs<br>Installed new clamp on left exhaust<br>pipe at firewall support.<br>Walter N Wj ACP 2723137 IA                                                                                                                                                                                                      |
| Feb 3        | 927.88                    |                  |                             |                                                                                                                                                                                                                                                                                                                       |
| Hobbs        | 787.6                     |                  |                             |                                                                                                                                                                                                                                                                                                                       |

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TIME IN  
SERVICE

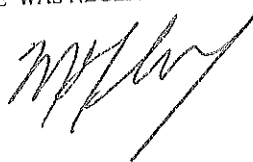
**Description of Inspections, Tests, Repairs and Alterations**

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

2/05/2010 N5861S S/N CD 824 WO 17635

REMOVED A SSD120-30A ALTITUDE ENCODER S/N 27591. INSTALLED AN  
ACK A-30 S/N117376. A CORRESPONDENCE TEST WAS PERFORMED WITH  
THE AIRCRAFT ALTIMETER IN ACCORDANCE WITH FAR 91.217. THE  
CHANGE IN THE WEIGHT AND BALANCE WAS NEGLIGIBLE.

SOLAPP Avionics Inc. CRS OSJR598L  
12888 Highway 6 S. STE 105  
Sugar Land, TX 77478



Battery Log  
D PRACTICES FOR  
ST POSSIBLE CA  
CRAFT BATTERIE

| TIME | FLIGHT | TOTAL TIME IN SERVICE | Description of Inspections, Tests, Repairs and Alterations<br>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.) |
|------|--------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|------|--------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

I certify that the transponder in this aircraft has been tested and meets the requirements of FAR 91.413 and FAR 43- Appendix F.

Signed William C Hoff Date: 2/5/10

Work Order Number 17635

GT X 327

SOLAPP AVIONICS INC. CRS OSJR598L  
SUGAR LAND MUNICIPAL AIRPORT  
12888 Highway 6 S.  
Sugar Land, TX 77498