

SERIAL # 360172

MODEL IO-360-ES6B

| Date  | Total Time |        | Time Since Last Overhaul |        | <b>Engine Service and Maintenance Record</b><br>Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins |
|---|------------|--------|--------------------------|--------|--|
|   | Hrs.       | Min.   | Hrs.                     | Min.   |  |
| 4/22/2006   | 26         | 50     |                          |        | OIL Change, Oil Filter, <i>REPLACE WITH MINERAL OIL</i> Uby P. M. / 21   |
| RONSON AVIATION, INC    CRS EHR538D    TRENTON-MERCER AIRPORT    TRENTON, NJ 08628<br>(609) 771-9500    FAX (609) 771-0651  |            |        |                          |        |  |
|   |            | REG #  | N827DM                   | DATE:  | 8/18/2006  |
|   |            | MAKE:  | TCM                      | W/O #: | 23476  |
|   |            | MODEL: | IO360ES6                 | TACH   | 57.1   |
|   |            | S/N:   | 360172                   | TT:    | 57.1   |
| <b>ENGINE LOG</b><br>1. CHANGED OIL AND FILTER. OPENED REMOVED FILTER, NO METAL NOTED. INSTALLED CH48108-1 FILTER AND 12 QUARTS OF AEROSHELL 15W50 OIL. NO LEAKS NOTED ON POST RUN  |            |        |                          |        |  |
| <b>MAINTENANCE RELEASE</b><br>Pertinent details of the inspection are on file at this agency under the work number shown above. I certify that the article described above has been inspected and approved for return to service.   |            |        |                          |        |  |
| Signed <i>[Signature]</i> for RONSON AVIATION, INC. <input type="checkbox"/> CRS EHR538D  |            |        |                          |        |  |
| RONSON AVIATION, INC    CRS EHR538D    TRENTON-MERCER AIRPORT    TRENTON, NJ 08628<br>(609) 771-9500    FAX (609) 771-0651  |            |        |                          |        |  |
| RONSON AVIATION, INC    CRS EHR538D    TRENTON-MERCER AIRPORT    TRENTON, NJ 08628<br>(609) 771-9500    FAX (609) 771-0651  |            |        |                          |        |  |
|   |            | REG #  | N827DM                   | DATE:  | 2/13/2007  |
|   |            | MAKE:  | TCM                      | W/O #: | 23709  |
|   |            | MODEL: | IO360ES6                 | TACH   | 71.5   |
|   |            | S/N:   | 360172                   | TT:    | 71.5   |
| <b>ENGINE LOG</b><br>1. CHANGED OIL AND FILTER. OPENED REMOVED FILTER, NO METAL NOTED. INSTALLED CH48108-1 FILTER AND 12 QUARTS OF AEROSHELL 15W50 OIL. NO LEAKS NOTED ON POST RUN  |            |        |                          |        |  |
| <b>MAINTENANCE RELEASE</b><br>Pertinent details of this operation is on file at this agency under the work number shown above. I certify that the article described above has been inspected and approved for return to service.  |            |        |                          |        |  |
| Signed <i>[Signature]</i> for RONSON AVIATION, INC. <input type="checkbox"/> CRS EHR538D  |            |        |                          |        |  |
| RONSON AVIATION, INC    CRS EHR538D    TRENTON-MERCER AIRPORT    TRENTON, NJ 08628<br>(609) 771-9500    FAX (609) 771-0651  |            |        |                          |        |  |
| RONSON AVIATION, INC    CRS EHR538D    TRENTON-MERCER AIRPORT    TRENTON, NJ 08628<br>(609) 771-9500    FAX (609) 771-0651  |            |        |                          |        |  |
|   |            | REG #  | N827DM                   | DATE:  | 4/17/2007  |
|   |            | MAKE:  | TCM                      | W/O #: | 23763  |
|   |            | MODEL: | IO-360ES                 | TACH   | 76.3   |
|   |            | S/N:   | 360172                   | TT:    | 76.3   |
| <b>ENGINE LOG</b><br>1. PERFORMED ANNUAL INSPECTION AS PER FAR 91.409(a)(1) CIRRUS M/M CHAPTER 5-20 INSPECTION GUILD. DATED 7/18/2005.<br>2. DIFF COMP #1 77/80 \$2 78/80 #3 77/80 #4 77/80 #5 75/80 #6 77/80<br>3. CLEANED ALL FUEL INJECTOR NOZZELS AS PER CONTINENTAL INJECTOR M/M.<br>4. REPLACED ENGINE INDUCTION AIR FILTER.<br>5. CHANGED OIL AND FILTER. OPENED REMOVED FILTER NO METAL NOTED. ADDED AEROSHELL 15W50 OIL. |            |        |                          |        |  |
| <b>MAINTENANCE RELEASE</b><br>I certify that this aircraft has been inspected in accordance with an ANNUAL inspection and was approved for return to service.   |            |        |                          |        |  |
| Pertinent details of the inspection are on file at this agency under the work number shown above. I certify that the article described above has been inspected and approved for return to service.   |            |        |                          |        |  |
| Signed <i>[Signature]</i> for RONSON AVIATION, INC. <input type="checkbox"/> CRS EHR538D  |            |        |                          |        |  |
| RONSON AVIATION, INC    CRS EHR538D    TRENTON-MERCER AIRPORT    TRENTON, NJ 08628<br>(609) 771-9500    FAX (609) 771-0651  |            |        |                          |        |  |

|      |            |      |                          |      |  |
|------|------------|------|--------------------------|------|--|
| Date | Total Time |      | Time Since Last Overhaul |      | <b>Engine Service and Maintenance Record</b><br>Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins |
|      | Hrs.       | Min. | Hrs.                     | Min. |  |

Brought Forward

RONSON AVIATION, INC. CRS EHHR538D TRENTON-MERCER AIRPORT TRENTON, NJ 08628  
(609) 771-9500 FAX (609) 771-0651

|        |          |        |           |
|--------|----------|--------|-----------|
| REG #  | N827DM   | DATE:  | 9/17/2007 |
| MAKE:  | TCM      | W/O #: | 23989     |
| MODEL: | IO360ES6 | TACH   | 94.0      |
| S/N:   | 360172   | TT:    | 94.0      |

**ENGINE LOG**

1. CHANGED OIL AND FILTER. OPENED REMOVED FILTER, NO METAL NOTED. INSTALLED CH48108-1 FILTER AND 12 QUARTS OF AEROSHELL 15W50 OIL. NO LEAKS NOTED ON POST RUN

**MAINTENANCE RELEASE**

Pertinent details of this operation is on file at this agency under the work number shown above. I certify that the article described above has been inspected and approved for return to service.

Signed for RONSON AVIATION, INC. □ CRS EHHR538D

RONSON AVIATION, INC. CRS EHHR538D TRENTON-MERCER AIRPORT TRENTON, NJ 08628  
(609) 771-9500 FAX (609) 771-0651

RONSON AVIATION, INC. CRS EHHR538D TRENTON-MERCER AIRPORT TRENTON, NJ 08628  
(609) 771-9500 FAX (609) 771-0651

|        |          |        |        |
|--------|----------|--------|--------|
| REG #  | N827DM   | DATE:  | 4/3/08 |
| MAKE:  | TCM      | W/O #: | 424242 |
| MODEL: | IO360ES6 | TACH   | 117.5  |
| S/N:   | 360172   | TT:    | 117.5  |

**ENGINE LOG**

1. CHANGED OIL AND FILTER. OPENED REMOVED FILTER, NO METAL NOTED. INSTALLED CH48108-1 FILTER AND 8 QUARTS OF AEROSHELL 15W50 OIL. NO LEAKS NOTED ON POST RUN

**MAINTENANCE RELEASE**

Pertinent details of this operation is on file at this agency under the work number shown above. I certify that the article described above has been inspected and approved for return to service.

Signed for RONSON AVIATION, INC. □ CRS EHHR538D

RONSON AVIATION, INC. CRS EHHR538D TRENTON-MERCER AIRPORT TRENTON, NJ 08628  
(609) 771-9500 FAX (609) 771-0651

FIRST IN FLIGHT  
1717 HWY 34, HANGAR 31  
FARMINGDALE, NJ 07727

Reg #: N827DM S/N: SR201635 Model: SR20 Date: 5/11/08  
Make: Cirrus TACH/TTAF: 120.6

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. The following repairs were made on this visit.  
1. Compression check. #1 74 #2 76 #3 76 #4 75 #5 74 #6 75  
2. Spark plugs removed. Cleaned, inspected, gapped, installed and torqued.  
3. Magneto timing checked and set to data tag on engine as required.  
4. Muffler shroud removed. Inspected with no defects noted. Reinstalled.  
Ad search complete. No Ad's due this visit.  
Access restored. Engine run up good.

Vincent Giglio AP30713581A

| Date   | Total Time |      | Time Since Last Overhaul |      | <b>Engine Service and Maintenance Record</b><br>Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins   |
|--|------------|------|--------------------------|------|--|
|  | Hrs.       | Min. | Hrs.                     | Min. |  |
| Brought Forward →  |            |      |                          |      |  |
| 9/13/08  | 13         | 8    | -                        | -    | Changed Oil + Filter Residualy with Filter + Drain in Place Fill oil Proper level Aeroshell 15W50 Run engine Residualy for Leaks. No Leaks or Drops. <i>V. Giglio 9/11/08</i><br>No metal Filings found in Filter or Drain Plug Sent Oil out for Oil Analysis. |
| FIRST IN FLIGHT<br>1717 HWY 34. HANGAR 31<br>FARMINGDALE, NJ 07727<br>Reg #: N827DM      S/N: SR201635      Model: SR20      Date: 6/1/09 <sup>V.G.</sup><br>Make: Cirrus      TACH/TTAF: 146.1<br>I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. The following repairs were made on this visit.<br>1. Compression check. #1 69 #2 65 #3 70 #4 69 #5 69 #6 69.<br>2. Spark plugs removed. Cleaned, inspected, gapped, installed and torqued.<br>3. Magneto timing checked and set to data tag on engine as required.<br>4. Oil drained and filter removed. Serviced with 8qts of Aeroshell 15w-50. Installed CH48108 filter and saftied. Run up and leak ck. good.<br>Ad search complete. No Ad's due this visit.<br>Access restored. Engine run up good.<br><br>Vincent Giglio AP30713581A<br><i>Vincent Giglio</i> |            |      |                          |      |  |
| 12/10/2009   | 15         | 5    | -                        | -    | Changed Oil + Filter Drain + Refill with Aeroshell 15W50 Run engine to temp Residualy for any leaks None found Cut Filter no metal found<br><i>V. Giglio 12/10/2009</i>  |
| 10-15-2010   | 16         | 5    |                          |      | Changed Oil + Filter Drain + Refill with Aeroshell 15W50 Run up + temp check for leaks none. Cut Filter no metal filings. send oil out for analysis<br><i>V. Giglio 6/15/2010</i>  |

| Date            | Total Time |      | Time Since Last Overhaul |      | <b>Engine Service and Maintenance Record</b><br>Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins |
|-----------------|------------|------|--------------------------|------|--|
|                 | Hrs.       | Min. | Hrs.                     | Min. |  |
| Brought Forward | →          |      |                          |      |  |

FIRST IN FLIGHT  
1717 HWY 34, HANGAR 31  
FARMINGDALE, NJ 07727

Reg #: N827DM      S/N: SR201635      Model: SR20      Date: 8/1/10  
Make: Cirrus      TACH/TTAF: 164.9

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. The following repairs were made on this visit.

1. Compression check. #1 73 #2 74 #3 76 #4 74 #5 72 #6 73.
2. Spark plugs removed. Cleaned, inspected, gapped, installed and torqued.
3. Magneto timing checked and set to data tag on engine as required.
4. Fuel pump/ regulator through bolts re torqued and saftied.
5. AD2010-11-04 N/A due to date.

Ad search complete.  
Access restored. Engine run up and leak check good.

Vincent Giglio AP30713581A

*Vincent Giglio*

3-8-11    168    0

Removed #5 cyl. upper & lower spark plug. Cleaned, inspected, installed & torqued #5 cyl. plugs cowled A/E and ran up. OK.  
Richard W. Thomas AP3099962  
*Richard W. Thomas*

FIRST IN FLIGHT  
1717 HWY 34, HANGAR 31  
FARMINGDALE, NJ 07727

Reg #: N827DM      S/N: 1635      Model: SR20      Date: 9/15/11  
Make: Cirrus      Hobbs/TTAF: 187.3

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. The following repairs were made on this visit:

1. Compression check. #1 79 #2 74 #3 75 #4 72 #5 73 #6 75.
2. Spark plugs removed. Cleaned, inspected, gapped, installed and torqued.
3. Magneto timing checked and set to data tag on engine as required.
4. Fuel pump/ regulator through bolts re torqued and saftied.
5. AD2010-11-04 N/A due to date.
6. Ad search complete.

Access restored. Engine run up and leak check good.

\*The airframe/engine/ propeller identified APU/ above was repaired and inspected in accordance with manufacturer's specifications and current regulations of the Federal Aviation Administration and with respect to the work specified in work order(s) 827DM071811, is approved for return to service only for the work performed

Authorized Signature: *Richard W. Thomas*  
Richard W Thomas  
30999621A

**Record**  
al Inspections,

Date

FIRST IN FLIGHT  
1717 HWY 34, HANGAR 31  
FARMINGDALE, NJ 07727

Brought Forward

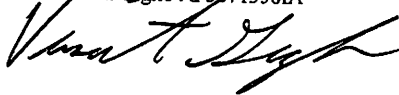
Reg #: N827DM      S/N: SR201635      Model: SR20  
Make: Cirrus      TACH/TTAF: 190.8

Date: 1/21/13

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. The following repairs were made on this visit.

1. Compression check. #1 65 #2 64 #3 66 #4 66 #5 65 #6 64. Performed cold.
  2. Spark plugs removed. Cleaned, inspected, gapped, installed and torqued.
  3. Magneto timing checked and set to data tag on engine as required.
  4. Fuel pump/ regulator through bolts re torqued and saftied.
  5. Oil drained and filter removed. Installed CH48108 oil filter and saftied. Serviced with 9qts of Aeroshell 100w plus oil.
  6. AD2011-26-07 N/A by S/N of slick magneto's.
  7. AD2012-03-06C Fuel servo not installed. AD is N/A.
- Ad search complete.  
Access restored. Engine run up and leak check good.

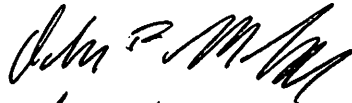
Vincent Giglio AP30713581A



6/10/13

190.8

6/10/13 190.8 changed oil and filter. run up to temp. drain oil , change filter. run engine inspect for leaks. None found. check oil again. Cut filter open no metal found.



6/10/13  
Aeroshell

**Advanced Wings**

1501 Narcissa Road  
Blue Bell, Pa. 19422  
(215)646-0400

Date: 10-22-13

Reg#: N827DM

Tach: 198.0

~~Hebbes~~

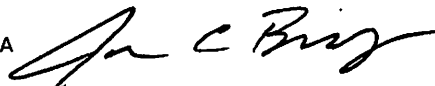
Make: TCM  
Model: IO360ES6B  
Engine S/N: 360172

**Engine Entry:**

Cirrus Annual Inspection completed IAW AMM 5-20. Compression check (x/80): 72 3:74 5:74 2:72 4:70 6:68 . Master Orifice reading 46. Checked magneto timing. All AD's current through 2013-21.

I certify that this ENGINE has been inspected IAW a Cirrus Annual Inspection checklist and was found to be in Airworthy condition.

Joe Budusky  
AP 3686133 IA



|                           |            |      |                          |      |  |
|---------------------------|------------|------|--------------------------|------|--|
| Date<br>2014<br>11-9-2014 | Total Time |      | Time Since Last Overhaul |      | <b>Engine Service and Maintenance Record</b><br>Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins |
|                           | Hrs.       | Min. | Hrs.                     | Min. |  |
| Brought Forward →         |            |      |                          |      |  |

**Staraero Partners Group**  
**75"B" Academy Drive, Hammonton, NJ 08037 (609)-567-5300**  
**Airframe**

Date: 11-9-2014 N827DM Total Time: 289.1 Hobbs: 289.1

Performed an Annual inspection I.A.W. Cirrus and Continental service instructions and inspection checklists. Removed seats and inspection covers. Lubed flight control system and flap system. Confirmed Flight Control modification S.B. 2X-27-14R3 previously complied with. See entry dated 12-27-2012. No other action required. See entry for details. Lubed door systems I.A.W. lubrication instructions. Checked doors for smooth operation and positive lock. Both doors operate normally at this time. Changed oil and filter. Serviced engine with 8 qts. of 15-50 Aeroshell. Run and check for leaks. All normal at this time. Cut oil filter open to check for metal. None found during this filter inspection. Oil sample was sent to lab for oil analysis. Owner will be notified of lab results when available. Removed wheel pants and found brakes and rotors in good condition. Run engine to operating temps to check for oil leaks, electrical system operation, and lighting functions. Cleaned spark plugs and performed engine comp. tests. See engine logs for details. Checked AD's. AD 2006-19-10 N.A. by aircraft serial number. No further action required. C/W AD 2008-11-18 Inspected I.A.W. SB2X-78-07R1. No exhaust system cracks or leaks found at this time. Due again in 100 hrs Total Time 389.1. AD 2008-14-13 P/C/W SB2X-52-07R4 (See airframe logbook entry dated 8-1-2010). AD 2008-13-28 N.A. by propeller and engine combination. No action required. AD 2009-26-01 N.A. by S/N. AD 2011-26-07 N.A. by Slick Magneto serial number (See airframe logbook entry dated 1-21-2013) No action required. AD 2012-03-06C N.A. Fuel servo is not installed on this aircraft engine. (See airframe logbook entry dated 1-21-2013) No action required. See aircraft and engine records for all other recurring and closed AD and S.B. Letter details. AD 2010-11-04 N.A. No hyd. Lifters were replaced after June 19, 2009. No action required at this time. E.L.T. was replaced with a new Artex ME 406 unit installed 10-21-2013. Operational check performed. Battery replacement due again on 10-2016. Rear number 2 battery pack was replaced with new units on 1-21-2013. Due again: 1-21-2015. Checked battery operation and security. M.L.G. grommets and nose wheel cone bearing all in good order at this time. Ballistic shoot caps rocket motor and caps parachute 10 year inspections are due for compliance on 3-2016. I certify this aircraft has been inspected I.A.W. an Annual inspection and has been determined to be in airworthy condition at this time.

*D.L. Armand*  
 Daniel Armand A&P 2729054 IA

|   |           |             |           |                 |  |  |  |
|---|-----------|-------------|-----------|-----------------|--|--|--|
| 12.6 (N/A)  | 5.1 (N/A) | < 0.1 (N/A) | 1.6 (N/A) | Carbon Steel    |  |  |  |
|   |           |             |           | Stainless Steel |  |  |  |
|   |           |             |           | Material:       |  |  |  |
|   |           |             |           | Amount:         |  |  |  |
|   |           |             |           | Type:           |  |  |  |
|   |           |             |           | Form:           |  |  |  |
| Sample Date: 6/15/2010<br>Analysis Date: 8/9/2010<br>Sample Number: P31<br>Cylinder Type: STEEL<br>TSN/TSO: 164 5<br>Oil Hours: 9<br>Filter Hours: 9<br>Oil Added:<br>Filter Wt. (mgs):<br>Flashpoint(deg. F):<br>H2O (ppm):<br>Total Acid No.:       |           |             |           |                 |  |  |  |
| Comments:<br>** PREVIOUS 2 SAMPLE APPEARS NORMAL. Send next sample at nor   |           |             |           |                 |  |  |  |
| 13.2 (N/A)  | 7.5 (N/A) | 1.5 (N/A)   | 5.7 (N/A) | Carbon Steel    |  |  |  |
|   |           |             |           | Stainless Steel |  |  |  |
|   |           |             |           | Material:       |  |  |  |
|   |           |             |           | Amount:         |  |  |  |
|   |           |             |           | Type:           |  |  |  |
|   |           |             |           | Form:           |  |  |  |
| Sample Date: 9/13/2008<br>Analysis Date: 9/29/2008<br>Sample Number: P147<br>Cylinder Type: Unknown<br>TSN/TSO: 138<br>Oil Hours: 20<br>Filter Hours: 20<br>Oil Added: 5<br>Filter Wt. (mgs):<br>Flashpoint(deg. F):<br>H2O (ppm):<br>Total Acid No.: |           |             |           |                 |  |  |  |
| Comments:<br>*** OIL ANA  |           |             |           |                 |  |  |  |

<http://www.aircraftoilanalysis.com/OilResults/view>

| DATE      | TOTAL TIME IN SERVICE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED—<br>SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK   |
|-----------|-----------------------|------------------------------|---|
| 2014      | HOBBS                 |                              | TOTAL brought forward from previous page  |
| 11-9-14   | 289.1                 |                              | <p style="text-align: center;"><b>Staraero Partners Group</b><br/> <b>75"B" Academy Drive, Hammonton, NJ 08037</b><br/> <b>(609)-567-5300</b><br/> <b>Engine</b><br/> <b>Date: 11-9-2014 N827DM Total Time Engine: 289.1 Hobbs: 289.1</b></p> <p>Performed an Annual inspection I.A.W. Cirrus Design and Continental service instructions and inspection checklists. Run engine to operational temp. Performed comp. test. #1 72/80 #2 71/80 #3 73/80 #4 70/80 #5 72/80 #6 69/80. Compression tests performed without using restrictor fitting. Removed spark plugs and cleaned and gapped all spark plugs. Reinstalled spark plugs and spark plug leads. Checked security of spark plug installation. ok at this time. Checked magneto timing and P-Lead function and security. Checked general condition of engine, mounts acc. , exhaust system, general engine compartment condition and hoses. Replaced air filter with new unit. Due again at 489.1 TT. Adjusted propeller and throttle linkage I.A.W. Cirrus Design service instructions to achieve correct T.O. R.P.M. and full throttle stop. Checked propeller speed with visual tack. All normal at this time. Lubricated engine controls and checked for smooth operation. Changed oil and filter. Serviced engine with 8 qts. 15-50 Aeroshell. Cut oil filter open to check for metal. None found at this time. Sent oil sample to laboratory for oil analysis. Owner will be notified when results are available. Checked AD's. C/W AD 2008-11-18 Inspected I.A.W. SB2X-78-07R1. Found right swivel exhaust joint hardware loose. Torque hardware to achieve correct joint spring tension I.A.W. Cirrus service instructions. Normal swivel play at this time. No exhaust system cracks or leaks found at this time. Due again in 100 hrs Total Time 389.1. AD 2010-11-04 N.A. no hyd lifter work performed on this engine after June 19<sup>th</sup> 2009. No action required. AD 2011-26-07 N.A. by Slick Magneto serial number (See airframe logbook entry dated 1-21-2013). AD 2012-03-06C N.A. no fuel diaphragm changes after May 20, 2010. No action required. See aircraft and engine records for all other recurring and closed AD and S.B. details. I certify this engine has been inspected I.A.W. an Annual inspection and has been determined to be in airworthy condition at this time.</p> <p style="text-align: center;"><i>D. L. Armand</i><br/> <b>Daniel Armand A&amp;P 2729054 I.A.</b></p>   |
| 11-6-2015 | 319.1                 |                              | <p style="text-align: center;"><b>Staraero Partners Group</b><br/> <b>75"B" Academy Drive, Hammonton, NJ 08037</b><br/> <b>(609)-567-5300</b><br/> <b>Engine</b><br/> <b>Date: 11-6-2015 N827DM Total Time Engine: 319.1 Hobbs: 319.1</b></p> <p>Performed an Annual inspection I.A.W. Cirrus Design manual and Continental engine service instructions and inspection checklists. Run engine to operational temp. Performed comp. test. #1 73/80 #2 72/80 #3 74/80 #4 72/80 #5 74/80 #6 71/80. Compression tests performed without using restrictor fitting. Removed spark plugs and cleaned and gapped all the spark plugs. Spark plugs should be replaced at the next oil change or in 50 hours. Reinstalled spark plugs and tightened all spark plug leads. Checked magneto timing and P-Lead switch test function. Checked general condition of engine, mounts acc. , exhaust system, general engine compartment condition and hoses. Air filter change due again at 489.1 TT. or on 12-2016. Checked propeller and throttle linkage I.A.W. Cirrus Design service instructions. Correct T.O. R.P.M. and full throttle stop confirmed. Checked propeller speed with a visual tack. With in limits. Lubricated the engine controls and checked for smooth operation. Changed oil and filter. Serviced engine with 8 qts. 15-50 Aeroshell. Cut oil filter open to check for metal. None noted at this time. Sent oil sample to laboratory for analysis. Owner will be notified when results are available. Put 4 extra qts of 15 50 aeroshell in the baggage compartment. Checked AD's. C/W AD 2008-11-18 Inspected I.A.W. SB2X-78-07R1. Exhaust joints all secure and no leaks or thin exhaust pipes noted during this inspection. Normal swivel play found at this inspection and all springs in good order and secure. No exhaust system defects were found at this time. Due again in 100 hrs or at a Total Time 419.1. AD 2010-11-04 N.A. no hyd lifter work performed on this engine after June 19<sup>th</sup> 2009. No action required at this time. AD 2011-26-07 N.A. by Magneto serial number (See airframe logbook entry dated 1-21-2013). No action required. AD 2012-03-06 part C N.A. no fuel diaphragm changes were performed after May 20, 2010. No action required. See aircraft and engine records for other recurring and closed AD and S.B. details. I certify this engine has been inspected I.A.W. an Annual inspection and has been determined to be in airworthy condition at this time.</p> <p style="text-align: center;"><i>D. L. Armand</i><br/> <b>Daniel Armand A&amp;P 2729054 I.A.</b></p> |
|           |                       |                              | SUB-TOTAL this page   |
|           |                       |                              | TOTAL—Carry forward to next page  |

104

| DATE | TOTAL TIME IN SERVICE | TACH OR RECORDING METER TIME | DESCRIPTION OF WORK PERFORMED—<br>SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK |
|------|-----------------------|------------------------------|---|
|------|-----------------------|------------------------------|---|

TOTAL brought forward from previous page

**Staraero Partners Group**  
**75"B" Academy Drive, Hammonton, NJ 08037**  
**(609)-567-5300**  
**Engine**

Date: November 8, 2016 N827DM Total Time Engine: 341.9 Hobbs: 341.9


Performed an Annual inspection I.A.W. Cirrus Design manual and Continental engine service instructions and inspection checklists. Run engine to operational temp. Performed comp. test. #1 72/80 #2 72/80 #3 72/80 #4 71/80 #5 73/80 #6 71/80. Compression tests performed without using restrictor fitting. Removed spark plugs and cleaned and gapped all the spark plugs. Reinstalled spark plugs and tightened all spark plug leads. Checked magneto timing and P-Lead switch test function. Checked general condition of engine, mounts acc. , exhaust system, general engine compartment condition and hoses. Air filter change due again at 489.1 TT. Checked propeller and throttle linkage I.A.W. Cirrus Design service instructions. Correct T.O. R.P.M. and full throttle stop confirmed. Checked propeller speed with a visual tack. With in limits. Lubricated the engine controls and checked for smooth operation. Changed oil and filter. Serviced engine with 8 qts. 15-50 Aeroshell. Cut oil filter open to check for metal. None noted at this time. Checked AD's. C/W AD 2008-11-18 Inspected I.A.W. SB2X-78-07R1. Exhaust joints all secure and no leaks or thin exhaust pipes noted during this inspection. Normal swivel play found at this inspection and all springs in good order and secure. No exhaust system defects were found at this time. Due again in 100 hrs or at a Total Time 419.1. AD 2010-11-04 N.A. no hyd lifter work performed on this engine after June 19<sup>th</sup> 2009. No action required at this time. AD 2011-26-07 N.A. by Magneto serial number (See airframe logbook entry dated 1-21-2013). No action required. AD 2012-03-06 part C N.A. no fuel diaphragm changes were performed after May 20, 2010. No action required. See aircraft and engine records for other recurring and closed AD and S.B. details. I certify this engine has been inspected I.A.W. an Annual inspection and has been determined to be in airworthy condition at this time.

  
 Daniel Armand A&P 2729054 I.A.

**Staraero Partners Group**  
**75"B" Academy Drive, Hammonton, NJ 08037**  
**(609)-567-5300**  
**Engine**

Date: May 15, 2017 N827DM Total Time Engine: 355.5 Hobbs: 355.5

Removed broken right magneto and installed a new Slick model number 6314 magneto on the right side. Timed magneto, ran engine and checked for oil leaks and operation, ok at this time. I certify this engine has been determined to be in an airworthy condition and the aircraft has been returned to service.

  
 Daniel Armand A&P 2729054 I.A.

SUB-TOTAL this page

TOTAL—Carry forward to next page



| Date            | Total Time | Time Since | <b>Staraero Partners Group</b><br><b>75"B" Academy Drive, Hammonton, NJ 08037</b><br><b>(609)-567-5300</b><br><b>Engine</b>  |  |  |  |
|-----------------|------------|------------|--|--|--|--|
| Brought Forward |            |            | <b>Date: 11-15-2017 N827DM Total Time Engine: 364.0 Hobbs: 364.0</b>   |  |  |  |
|                 |            |            | <p>Performed an Annual inspection I.A.W. Cirrus Design manual and Continental engine service instructions and inspection checklists. Run engine to operational temp. Performed comp. test. #1 72/80 #2 72/80 #3 71/80 #4 71/80 #5 72/80 #6 71/80. Compression tests performed without using restrictor fitting. Removed spark plugs and cleaned and gapped all the spark plugs. Reinstalled spark plugs and tightened all spark plug leads. Checked magneto timing and P-Lead switch test function. Checked general condition of engine, mounts acc. , exhaust system, general engine compartment condition and hoses. Air filter change due again at 489.1 TT. Checked propeller and throttle linkage I.A.W. Cirrus Design service instructions. Correct T.O. R.P.M. and full throttle stop confirmed. Checked propeller speed with a visual tack. With in limits. Lubricated the engine controls and checked for smooth operation. Changed oil and filter. Serviced engine with 8 qts. 15-50 Aeroshell. Cut oil filter open to check for metal. None noted at this time. Checked AD's. C/W AD 2008-11-18 Inspected I.A.W. SB2X-78-07R1. Exhaust joints all secure and no leaks or thin exhaust pipes noted during this inspection. Normal swivel play found at this inspection and all springs in good order and secure. No exhaust system defects were found at this time. Due again in 100 hrs or at a Total Time 419.1. AD 2010-11-04 N.A. no hyd lifter work performed on this engine after June 19<sup>th</sup> 2009. No action required at this time. AD 2011-26-07 N.A. by Magneto serial number (See airframe logbook entry dated 1-21-2013). No action required. AD 2012-03-06 part C N.A. no fuel diaphragm changes were performed after May 20, 2010. No action required. See aircraft and engine records for other recurring and closed AD and S.B. details. I certify this engine has been inspected I.A.W. an Annual inspection and has been determined to be in airworthy condition at this time.</p> |  |  |  |
|                 |            |            | <p><i>D. L. Armand</i><br/> <b>Daniel Armand A&amp;P 2729054 I.A.</b></p>  |  |  |  |
|                 |            |            |  |  |  |  |
|                 |            |            |  |  |  |  |
|                 |            |            |  |  |  |  |
|                 |            |            | <b>Staraero Partners Group</b><br><b>75"B" Academy Drive, Hammonton, NJ 08037</b><br><b>(609)-567-5300</b><br><b>Engine</b>  |  |  |  |
|                 |            |            | <b>Date: 11-2-2018 N827DM Engine TT: 377.8 Hobbs: 377.8</b>  |  |  |  |
|                 |            |            | <p>Performed an Annual inspection I.A.W. Cirrus Design manual and Continental engine service instructions and inspection checklists. Run engine to operational temp. Performed comp. Test. #1 71/0 #2 72/80 #3 71/80 #4 70/0 #5 7180 #6 71/80. Compression tests performed without using restrictor fitting. Removed spark plugs and cleaned and gapped all the spark plugs. Reinstalled spark plugs and tightened all spark plug leads. Checked magneto timing and P-Lead switch test function. Checked general condition of engine, mounts acc. , exhaust system, general engine compartment condition and hoses. Air filter change due again at 489.1 TT. Checked propeller and throttle linkage I.A.W. Cirrus Design service instructions. Correct T.O. R.P.M. and full throttle stop confirmed. Checked propeller speed with a visual tack. With in limits. Lubricated the engine controls and checked for smooth operation. Changed oil and filter. Serviced engine with 8 qts. 15-50 Aeroshell. Cut oil filter open to check for metal. None noted at this time. Checked AD's. C/W AD 2008-11-18 Inspected I.A.W. SB2X-78-07R1. Exhaust joints all secure and no leaks or thin exhaust pipes noted during this inspection. Normal swivel play found at this inspection and all springs in good order and secure. No exhaust system defects were found at this time. Due again in 100 hrs or at a Total Time 419.1. AD 2010-11-04 N.A. no hyd lifter work performed on this engine after June 19<sup>th</sup> 2009. No action required at this time. AD 2011-26-07 N.A. by Magneto serial number (See airframe logbook entry dated 1-21-2013). No action required. AD 2012-03-06 part C N.A. no fuel diaphragm changes were performed after May 20, 2010. No action required. See aircraft and engine records for other recurring and closed AD and S.B. details. I certify this engine has been inspected I.A.W. an Annual inspection and has been determined to be in airworthy condition at this time.</p>    |  |  |  |
|                 |            |            | <p><i>D. L. Armand</i><br/> <b>Daniel Armand A&amp;P 2729054 I.A.</b></p>  |  |  |  |
|                 |            |            |  |  |  |  |
|                 |            |            |  |  |  |  |
|                 |            |            |  |  |  |  |
|                 |            |            |  |  |  |  |
|                 |            |            |  |  |  |  |
|                 |            |            |  |  |  |  |
|                 |            |            |  |  |  |  |
|                 |            |            |  |  |  |  |
|                 |            |            |  |  |  |  |
|                 |            |            |  |  |  |  |

ird  
ons,

# Frederick FBO

330 Aviation Way  
Frederick, MD 21701  
301.662.8156 P 301.662.2581 F  
FAA Repair Station # LC1R291K

TFBO  
US

**Work Order Invoice: S05-16-62642**  
Acct Number: 00101143  
Department: Shop-FDK

**Opened: 2/18/2016**  
**Closed: 3/24/2016**

Sold To: Dylans RV Center  
2190 Delsea Drive  
Sewell, NJ 08080 United States

Ship To: Dylans RV Center

**General Comments:**

TAX exempt form supplied by customer - a copy was placed in the shop order

|                                |             |                   |             |                       |                  |
|--------------------------------|-------------|-------------------|-------------|-----------------------|------------------|
| <b>Aircraft Number:</b> N827DM |             | <b>Type:</b> SR20 |             | <b>S/N:</b> 1635      |                  |
| Total Time:                    |             | Hobbs Time: 324.2 |             | Tach Time: LG Cycles: |                  |
| <b>Eng#</b>                    | <b>Type</b> | <b>S/N</b>        | <b>Time</b> | <b>Cycles</b>         | <b>Prop Type</b> |
| 1                              |             |                   |             |                       |                  |

**Item: 1**

**Problem:**

C/W Cirrus SB 2X-95-18 RevG2 CAPS parachute and rocket Airworthiness Limitation replacement due each 10 years.

**Action Taken:**

Complied with Cirrus Service Bulletin SB 2X-95-18 Rev. 2 G2 CAPS Rocket Motor Assembly Replacement  
\*Compliance with SB 2X-95-13 CAPS Strap Inspection and Grommet Installation is included and the parts have been listed under discrepancy #2.  
Removed existing CAPS Rocket s/n 2452 and Parachute 3820. Built up and installed new CAPS Rocket s/n 1608 MFG Date 3/9/16 and Parachute s/n 03823 rev. 1 Pack Date MAR 11, 2016. Complied with SB 2X-95-18 Rev. 3.

Applicable to SR20 SN#'s 1423 & sub without Perspective  
Applicable to SR22 SN#'s 0821 & sub without Perspective

The exchange price is based on the return of like unit with normal overhaul cost anticipated. Cores of different P/N, manufacturer, in service failure or excessive overhaul cost will be subject to additional billing. The value of this core is \$ 3,500.00 and has been included in the costs below.

A deposit of \$8,000.00 was taken at time of order. Balance is due at time of delivery.

| Charges This Item: |                              |        |          |       |            |      | Flat-Fee Labor: \$ 2,700.00 |                     |
|--------------------|------------------------------|--------|----------|-------|------------|------|-----------------------------|---------------------|
| Part Number        | Description                  | Credit | Quantity | Units | List Price | Disc | Unit Price                  | Extended            |
| 25574-003-REB      | PARACHUTE, SR20 G2           |        | 1.00     | Each  | 5,100.000  |      | 5,100.000                   | \$ 5,100.00         |
|                    | Core Charge                  |        | 1.00     | Each  |            |      | 3,500.000                   | \$ 3,500.00         |
|                    | Freight                      |        | 1.00     |       |            |      | 39.580                      | \$ 39.58            |
| 29500-403          | MOTOR ASSY, ROCKET           |        | 1.00     | Each  | 3,550.000  |      | 3,550.000                   | \$ 3,550.00         |
|                    | Freight                      |        | 1.00     |       |            |      | 1,482.000                   | \$ 1,482.00         |
| 29705-402          | FRANGIBLE LINK               |        | 1.00     | Each  | 225.000    |      | 225.000                     | \$ 225.00           |
| 50132-001          | CABLE ANCHOR                 |        | 3.00     | Each  | 1.970      |      | 1.970                       | \$ 5.91             |
| 70268-002          | IGNITION KIT, ELEC. RETROFIT |        | 1.00     | Each  | 1,025.000  |      | 1,025.000                   | \$ 1,025.00         |
| 70271-001          | ROCKET(G5) RETROFIT KT, G2/G |        | 1.00     | Each  | 875.000    |      | 875.000                     | \$ 875.00           |
| 70271-002          | ROCKET(G5) RETROFIT KIT,CROS |        | 1.00     | Each  | 141.000    |      | 141.000                     | \$ 141.00           |
|                    |                              |        |          |       |            |      | <b>Total For This Item:</b> | <b>\$ 18,643.48</b> |

**Item: 2**

**Problem:**