

# TEXTRON Lycoming

Reciprocating Engine Division/  
Subsidiary of Textron Inc.

652 Oliver Street  
Williamsport, PA 17701 U.S.A.

TLRED-489  
(Rev. 3-93)

This engine has been overhauled/rebuilt in accordance with the applicable Textron Lycoming manuals. All Federal Aviation Administration Airworthiness Directives and Textron Lycoming Service Bulletins have been complied with. All parts have been inspected and have been determined airworthy to return to service. All accessories as part of the type certificate are either new or newly overhauled. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Engine Model: O-360-A1D  
Serial #: RL-6985-36A  
Total Time: 2562.6  
Work Order #: GJ0105507  
Date Completed: 2/25/95

Authorized Signature: S.F. Ellis  
Textron Lycoming Reciprocating Engine Division  
652 Oliver Street  
Williamsport, PA 17701  
Repair Station: EJ1R115K

## ENGINE DESCRIPTION

|                      |                  |                    |                        |                  |            |
|----------------------|------------------|--------------------|------------------------|------------------|------------|
| Mfgr.                | TEXTRON LYCOMING | Place              | Williamsport, PA 17701 | Date             |            |
| Type                 |                  | Model              |                        | Serial No.       | RL 6985-36 |
| Rated H.P.           |                  | Max. H.P.          |                        | Weight (Dry)     |            |
| Rated R.P.M.         |                  | Max. R.P.M.        |                        | Oil Pressure     |            |
| Bore                 |                  | Stroke             |                        | Displacement     | Cu. In.    |
| Compression Ratio    |                  | Supercharger Ratio |                        |                  |            |
| Reduction Gear Ratio |                  |                    |                        |                  |            |
| Propeller            |                  | Hub Design         |                        | Hub Serial No.   |            |
| Blade Design         |                  | Blade Serial No.   |                        | Blade Serial No. |            |
| Max. Hub H.P.        |                  |                    |                        | Max. Blade H.P.  |            |
| Pitch                |                  | Diameter           |                        | Length           |            |
| Name                 |                  |                    |                        |                  |            |
| Address              |                  |                    |                        |                  |            |

# TEXTRON Lycoming

Reciprocating Engine Division/  
Subsidiary of Textron Inc.

652 Oliver Street  
Williamsport, PA 17701 U.S.A.  
717/323-6181

ENGINE SERIAL NUMBER RL-6985-36A

IN SERVICE DATE                               ENG. T.T. 2562

DETACH AND RETAIN THIS PORTION FOR YOUR RECORD

## SERVICEABLE PART

Manufacturer TEXTRON LYCOMING

Part Name AIRCRAFT ENGINE

Model D-360-A1D

Part No. \_\_\_\_\_

Serial No. RL-6985-36A

Remarks: \_\_\_\_\_

The aircraft engine or accessory identified above was:

- REMANUFACTURED / REBUILT  
 OVERHAULED  
 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 Order No. GT0105507

Date 2/25/95

Signed S F [Signature]

Signature of Authorized Person

FOR: **TEXTRON Lycoming**

Reciprocating Engine Division  
Subsidiary of Textron Inc.  
652 Oliver Street  
Williamsport, PA 17701 U.S.A.  
717/323-6181

FAA REPAIR

STATION #EJ1R115K

No

35929

Form 302

## ALAMO ACCESSORIES

### SERVICEABLE PARTS TAG

Work Order No. 6423

Customer Order No. \_\_\_\_\_

Customer's Name TOBIAS AIRCRAFT SERVICES

Part Name PROPELLER GOVERNOR Part Mfg. HARTZELL

Part No. H-1 Serial No. 90955

Remarks OVERHAULED & TESTED

Inspector [Signature] Date 5-9-95

Signed [Signature]

For: ALAMO ACCESSORIES

10843 Vandale

The aircraft component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency under above listed Work Order Number.

San Antonio, Texas 78216

FAA Approved Repair Sta. No. TT2R199L

# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE    | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                                                           | SIGNATURE | LICENSE NUMBER |
|---------|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|
|         | Hrs. | Min. |                                                                                                                                                                                                                                                     |           |                |
| 3-12-95 |      |      | Completed engine installation, safetyed<br>Rrop, check fluid lines no leaks found, filled<br>engine with aeposhell 50w mineral oil,<br>next change at 25 hr. Raw engine checked<br>good, engine was returned to service<br>Rick Parker 46153344A/P. |           |                |
|         |      |      |                                                                                                                                                                                                                                                     |           |                |
|         |      |      |                                                                                                                                                                                                                                                     |           |                |
|         |      |      |                                                                                                                                                                                                                                                     |           |                |
|         |      |      |                                                                                                                                                                                                                                                     |           |                |
|         |      |      |                                                                                                                                                                                                                                                     |           |                |
|         |      |      |                                                                                                                                                                                                                                                     |           |                |
|         |      |      |                                                                                                                                                                                                                                                     |           |                |
|         |      |      |                                                                                                                                                                                                                                                     |           |                |

|  |                        |                                                                                                                                           |
|--|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Page Total</b>      | <b>All Repair Data Must Bear the Endorsement<br/>of a Certificated Mechanic, and his Rating<br/>and Certificate Number MUST be Shown.</b> |
|  | <b>Brought Forward</b> |                                                                                                                                           |
|  | <b>Total to Date</b>   |                                                                                                                                           |

# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE    | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                       | SIGNATURE | LIC<br>NU |
|---------|------|------|---------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|
|         | Hrs. | Min. |                                                                                                                                 |           |           |
| 8-31-95 |      |      | Installed Interbau Alternator conversion<br>see 339 This date P-31-95. Ops check<br>good. Returned to service. Rick Parker 4615 |           |           |
|         |      |      |                                                                                                                                 |           |           |
|         |      |      |                                                                                                                                 |           |           |
|         |      |      |                                                                                                                                 |           |           |
|         |      |      |                                                                                                                                 |           |           |
|         |      |      |                                                                                                                                 |           |           |
|         |      |      |                                                                                                                                 |           |           |
|         |      |      |                                                                                                                                 |           |           |
|         |      |      |                                                                                                                                 |           |           |

|  |                        |                                                                                                                                           |
|--|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Page Total</b>      | <b>All Repair Data Must Bear the Endorsement<br/>of a Certificated Mechanic, and his Rating<br/>and Certificate Number MUST be Shown.</b> |
|  | <b>Brought Forward</b> |                                                                                                                                           |
|  | <b>Total to Date</b>   |                                                                                                                                           |



**INTERAv INC.**  
 106 EAST RHAPSODY DR.  
 SAN ANTONIO, TEXAS 78216

PHONE 512-344-2785

CERTIFICATED REPAIR STATION MMF 243-10

**WARRANTY APPLICATION**

Charles V. Heath.  
 REGISTERED OWNER

1211 MORGAN Ridge  
 STREET

SAN ANTONIO, TEXAS 78230  
 CITY, STATE, ZIP

Parker Quotation  
 INSTALLING AGENCY

Mooney      2562.4      9/1/95  
 A/C MAKE                      HRS.                      INSTALLATION DATE

**LIMITED WARRANTY**

InterAv warrants each product to be free from defects in material and workmanship under normal use and service; obligation under this warranty will be limited to repairing or replacing at its option any parts which fall within the 250 hours or six months time limit specified by this warranty. The warranty unit shall be returned to InterAv, transportation and handling charges prepaid; briefly describe the malfunction or reason for returning such warranty. InterAv will at its option repair or replace warranty unit to the installing dealer or Distributor. There are no other warranties, expressed or implied except InterAv warranty against defects in material and workmanship set out above.

5568  
 ALTERNATOR S/N

6928  
 REGULATOR S/N

6185  
 OVER-VOLTAGE RELAY S/N

**WARRANTY NOT VALID**  
 unless warranty card completed and mailed  
 within 10 days of installation of this kit.

and Certificate Number MUST be Shown.

# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE   | TIME         |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                             | SIGNATURE          | LICENSE NUMBER |
|--------|--------------|------|-------------------------------------------------------------------------------------------------------|--------------------|----------------|
|        | Hrs.         | Min. |                                                                                                       |                    |                |
| 9-1-95 | 3381<br>Tach | 13   | Inspected Powerplant T/A/W an Annual Inspection and have found it to be in an<br>airworthy condition. | <i>[Signature]</i> | AP4645917321A  |
|        | 2562<br>T/E  | 90   |                                                                                                       |                    |                |
|        | 0.3 SMQH     |      |                                                                                                       |                    |                |
|        |              |      | Diff = 819                                                                                            |                    |                |

|                 |  |
|-----------------|--|
| Page Total      |  |
| Brought Forward |  |
| Total to Date   |  |

All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS | SIGNATURE |
|------|------|------|-------------------------------------------|-----------|
|      | Hrs. | Min. |                                           |           |

Date: October 7, 1996 Tach: 3438.75 Total Time: 2620.52 Total SMOH: 57.92

Inspected engine in accordance with Mooney Service Manual and Lycoming O-360 Service Manual. Compression: #1 - 78/80; #2 - 79/80; #3 - 79/80; #4 - 78/80. Checked magneto timing. Inspected spark plugs. Replaced oil and filter. Installed Champion CH48110 filter and 8 quarts of Aeroshell 15W-50 oil. Replaced air filter element. Repaired right forward and right aft engine baffles. Engine run up satisfactory. No leaks noted. All recurring AD's complied with thru 96-20. Routine servicing performed in accordance with Service Manual.

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition.

*James C. Houston Jr.*  
James C. Houston Jr. A&P 2257649 IA

|                 |  |
|-----------------|--|
| Brought Forward |  |
| Total to Date   |  |

of a Certificated Mechanic, and his and Certificate Number MUST be Shown.

# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE<br>1998                                                                                                                                                                                                                                                                                                                               | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                        | SIGNATURE | LICENSE NUMBER |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|----------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|
|                                                                                                                                                                                                                                                                                                                                            | Hrs. | Min. |                                                                                                                                  |           |                |
| 2/1                                                                                                                                                                                                                                                                                                                                        |      |      | TACH 3452.3<br>TSMOH 76.47<br>All AD's checked Thru 97-15-11                                                                     |           |                |
| <p>I CERTIFY THAT THIS <u>ENGINE</u> / AIRFRAME<br/>           HAS BEEN INSPECTED IN ACCORDANCE<br/>           WITH AN <u>ANNUAL</u> / 100 HR INSPECTION<br/>           AND HAS BEEN FOUND IN AIR WORTHY<br/>           CONDITION ON THIS DATE<br/>           A&amp;P 458949101 I.A. MICHEL R. WILLIAMS<br/> <i>Michel R. Williams</i></p> |      |      |                                                                                                                                  |           |                |
| Page Total                                                                                                                                                                                                                                                                                                                                 |      |      | All Repair Data Must Bear the Endorsement<br>of a Certificated Mechanic, and his Rating<br>and Certificate Number MUST be Shown. |           |                |
| Brought Forward                                                                                                                                                                                                                                                                                                                            |      |      |                                                                                                                                  |           |                |
| Total to Date                                                                                                                                                                                                                                                                                                                              |      |      |                                                                                                                                  |           |                |

# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE<br>1998    | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                 | SIGNATURE |
|-----------------|------|------|---------------------------------------------------------------------------------------------------------------------------|-----------|
|                 | Hrs. | Min. |                                                                                                                           |           |
| 5/17            |      |      | TACH 3496.75 Oil & Oil Filter changed by owner.<br>Plugs & Oil Filter Safety wired <i>J. B. Smith</i> own                 |           |
| 8/15            |      |      | TACH 3530.00 Oil & Oil Filter changed by owner. Aeros<br>& Champion Oil Filter. Safety wired <i>J. B. Smith</i>           |           |
| 10/11           |      |      | TACH 3544.32 Replaced Air Filter Element <i>J. B. Smith</i>                                                               |           |
| 12/1            |      |      | TACH 3552.08 Oil & Oil Filter changed by owner. Aeros<br>& Champion Oil Filter. Safety wired <i>J. B. Smith</i>           |           |
| 1/25/99         |      |      | TACH 3577.26 Oil & Oil Filter changed by owner. Aeros<br>& Champion Oil Filter. Safety wired <i>J. B. Smith</i> own       |           |
| Page Total      |      |      | All Repair Data Must Bear the Endorsement<br>of a Certificated Mechanic, and his<br>and Certificate Number MUST be Shown. |           |
| Brought Forward |      |      |                                                                                                                           |           |
| Total to Date   |      |      |                                                                                                                           |           |



# ENGINE LOG SERIAL No. RL6985-36A

# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE            | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                                                             | SIGNATURE | LICENSE NUMBER |
|-----------------|------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|
|                 | Hrs. | Min. |                                                                                                                                                                                                                                                       |           |                |
| 5/1/99          |      |      | TACH 3605.12 OIL & OIL FILTER CHANGED BY OWNER, AEROSHELL 100W AND AVBLEND ADDED. CHAMPION OIL FILTER INSPECTED FOR METAL, NONE FOUND. OIL SAMPLE SENT FOR ANALYSIS. <i>J.B. [Signature]</i><br>OWNER. (ALL SAFETY WIRES REPLACED) TSMO 224, TTE 2786 |           |                |
| 5/6/99          |      |      | TACH 3606.01 ADDED MICROLOM TO OIL                                                                                                                                                                                                                    |           |                |
| 7/17/99         |      |      | TACH 3624.51 OIL & OIL FILTER REPLACED BY OWNER, AEROSHELL 15W50 ADDED. CHAMPION OIL FILTER INSPECTED FOR METAL, NONE FOUND. OIL SAMPLE SENT IN FOR ANALYSIS. ALL SAFETY WIRES REPLACED TSMO 243, TTE 2805 <i>J.B. [Signature]</i>                    |           |                |
| Page Total      |      |      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.                                                                                                                            |           |                |
| Brought Forward |      |      |                                                                                                                                                                                                                                                       |           |                |
| Total to Date   |      |      |                                                                                                                                                                                                                                                       |           |                |

| DATE            | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                                                                                                     | SIGNATURE |  |
|-----------------|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--|
|                 | Hrs. | Min. |                                                                                                                                                                                                                                                                                               |           |  |
| 9/6/99          |      |      | TACH 3653.70 OIL (AEROSHELL 15W50) AND OIL FILTER (CHAMPION CH 48110) CHANGED BY OWNER. AIR FILTER (BRACKET BA 610) REPLACED. CHAMPION OIL FILTER ELEMENT INSPECTED FOR METAL (NONE FOUND). OIL SAMPLE SENT IN FOR ANALYSIS. SAFETY WIRE REPLACED. TSMO 272, TTE 2834 <i>J.B. [Signature]</i> |           |  |
| 10/23/99        |      |      | TACH 3688.88 OIL (AEROSHELL 15W50) AND OIL FILTER (CHAMPION CH 48110) CHANGED BY OWNER. OIL SAMPLE SENT IN FOR ANALYSIS. SAFETY WIRE REPLACED. FILTER CHECKED FOR METAL, NONE FOUND. TSMO 297, TTE 2859 <i>J.B. [Signature]</i> OWNER                                                         |           |  |
| Page Total      |      |      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.                                                                                                                                                                    |           |  |
| Brought Forward |      |      |                                                                                                                                                                                                                                                                                               |           |  |
| Total to Date   |      |      |                                                                                                                                                                                                                                                                                               |           |  |



# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE            | TIME   |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                                                                                                                 | SIGNATURE | LICENSE NUMBER |
|-----------------|--------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|
|                 | Hrs.   | Min. |                                                                                                                                                                                                                                                                                                           |           |                |
| 2/31/99         |        |      | TACH 3703.74 OIL CHANGED (AEROSHELL 15050) & OIL FILTER (CHAMPION CH 48110) CHANGED. OIL SAMPLE SENT IN FOR ANALYSIS. FILTER INSPECTED FOR METAL (NONE FOUND). OIL FILTER SAFETY WIRED. TSMO 322, TTE 2884. OWNER <i>Yob</i>                                                                              |           |                |
| 1-00            | 3720.1 |      | W a ANNUAL inspection. checked compressor, #1.75 #2.76 #3.78 #4.76.                                                                                                                                                                                                                                       |           |                |
| M.O.H.          | 339.0  |      | checked mag. timing to eng. Installed all new spark plugs P/N REM38E. Replaced air filter P/N 3A-G108. Replaced exhaust tailpipe spring # 916006-000. Inspected exhaust system, starter, and alternator. Lubricated all eng. controls. Installed oil separator, see 337 this date. Washed and ran up eng. |           |                |
| Page Total      |        |      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.                                                                                                                                                                                |           |                |
| Brought Forward |        |      |                                                                                                                                                                                                                                                                                                           |           |                |
| Total to Date   |        |      |                                                                                                                                                                                                                                                                                                           |           |                |

# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE            | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                                                                                                                                   | SIGNATURE | LIC NU |
|-----------------|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|
|                 | Hrs. | Min. |                                                                                                                                                                                                                                                                                                                             |           |        |
| CONTINUED →     |      |      | DATE <u>3-1-00</u> T.T. IN SERVICE <u>339.0 T.S.M.O.H.</u><br>AD'S CHECKED THRU: <u>00-03</u> I CERTIFY THAT<br>THIS <u>ENG.</u> HAS BEEN INSPECTED IN ACCORDANCE<br>WITH A <u>Annual</u> INSPECTION AND WAS DETERMINED<br>TO BE IN AIRWORTHY CONDITION.<br>SIGNED: <i>David B. Johnson</i><br>NUMBER: <u>454370443 TJA</u> |           |        |
| 3/19/00         |      |      | TACH 3728.49, TSMOH 347.4 OIL CHANGED (AEROSHELL 15050) & OIL FILTER (CHAMPION CH 48110) CHANGED. OIL SAMPLE SUBMITTED FOR ANALYSIS. FI INSPECTED FOR METAL. OIL FILTER SAFETY WIRED. TTE 2909. OWNER LLOYD STEARNS <i>Lloyd Stearns</i>                                                                                    |           |        |
| Page Total      |      |      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.                                                                                                                                                                                                  |           |        |
| Brought Forward |      |      |                                                                                                                                                                                                                                                                                                                             |           |        |
| Total to Date   |      |      |                                                                                                                                                                                                                                                                                                                             |           |        |

Dugosh Aircraft Serv. Co., Inc.  
P. O. BOX 931 PHONE 257-7230  
KERRVILLE MUNICIPAL AIRPORT  
KERRVILLE TEX. 78021

# ENGINE LOG SERIAL No. RL 6985-36A

| DATE            | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                                         | SIGNATURE | LICENSE NUMBER |
|-----------------|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|
|                 | Hrs. | Min. |                                                                                                                                                                                                                                   |           |                |
| 7/15/00         |      |      | TACH 3752.36 TSMO 371.3 OIL (AEROSHELL 100+) & OIL FILTER (CHAMPION CH 48110) CHANGED. OIL SAMPLE SUBMITTED FOR ANALYSIS. FILTER INSPECTED FOR METALS. OIL FILTER SAFETY WIRED TTE 2933<br>OWNER LLOYD STEARNS <i>[Signature]</i> |           |                |
| 7/28/00         |      |      | TACH 3757.36 TSMO 376.3 SPARK PLUGS CLEANED, GAPPED, AND ROTATED ACCORDING TO LYCOMING SPECIFICATIONS<br>OWNER LLOYD STEARNS <i>[Signature]</i>                                                                                   |           |                |
| Page Total      |      |      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.                                                                                                        |           |                |
| Brought Forward |      |      |                                                                                                                                                                                                                                   |           |                |
| Total to Date   |      |      |                                                                                                                                                                                                                                   |           |                |

# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE            | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                                            | SIGNATURE | LIC NU |
|-----------------|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|
|                 | Hrs. | Min. |                                                                                                                                                                                                                                      |           |        |
| 9/9/00          |      |      | TACH=3778.82 TTE=2960 SMOH=398 OIL (AEROSHELL 100+) & OIL FILTER (CHAMPION CH 48110) CHANGED. OIL SAMPLE SUBMITTED FOR ANALYSIS. FILTER INSPECTED FOR METAL. OIL FILTER SAFETY WIRED<br>OWNER LLOYD STEARNS <i>[Signature]</i>       |           |        |
| 12/18/00        |      |      | TACH 3805.82 TTE=2987 SMOH=425 OIL (AEROSHELL 15W50) & OIL FILTER (CHAMPION CH 48110) CHANGED. OIL SAMPLE SUBMITTED FOR ANALYSIS & OIL FILTER INSPECTED FOR METAL. OIL FILTER SAFETY WIRED<br>OWNER LLOYD STEARNS <i>[Signature]</i> |           |        |
| Page Total      |      |      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.                                                                                                           |           |        |
| Brought Forward |      |      |                                                                                                                                                                                                                                      |           |        |
| Total to Date   |      |      |                                                                                                                                                                                                                                      |           |        |

# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE            | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                                                                                  | SIGNATURE | LICENSE NUMBER |
|-----------------|------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|
|                 | Hrs. | Min. |                                                                                                                                                                                                                                                                            |           |                |
| 3/10/01         |      |      | TACH 3832.06 TTE = 3013 SMOH = 451 OIL (AEROSHELL 100 PLUS) AND OIL FILTER (CHAMPION CH 48110) CHANGED. OIL SAMPLE SUBMITTED FOR ANALYSIS AND OIL FILTER INSPECTED FOR METAL. OIL FILTER SAFETY WIRED<br>OWNER LLOYD STEARNS <i>[Signature]</i>                            |           |                |
| 16-01           | 38   | 40.5 | W/ ANNUAL INSPECTION. Checked compression, #1. 79 #2. 79 #3. 79 #4. 79.                                                                                                                                                                                                    |           |                |
| S.M.O.H.        | 45   | 59.5 | checked mag. Timing TO ENG. Cleaned and regapped spark plugs. Installed new Air Filter P/N 3A-6108. Lubricated all eng. controls. Inspected starter, Alternator, and exhaust system. EXHAUST Tail pipe rebuilt by Aircraft Exhaust Systems, INC. W/O NO. 54708. Washed and |           |                |
| Page Total      |      |      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.                                                                                                                                                 |           |                |
| Brought Forward |      |      |                                                                                                                                                                                                                                                                            |           |                |
| Total to Date   |      |      |                                                                                                                                                                                                                                                                            |           |                |

# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE                                          | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                  | SIGNATURE | LICENSE NUMBER |
|-----------------------------------------------|------|------|----------------------------------------------------------------------------------------------------------------------------|-----------|----------------|
|                                               | Hrs. | Min. |                                                                                                                            |           |                |
| CONTINUED                                     |      |      | → ran up eng.                                                                                                              |           |                |
| DATE 4-16-01 T.T. IN SERVICE 459.5 T.S.M.O.H. |      |      |                                                                                                                            |           |                |
| AD'S CHECKED THRU: 01-5                       |      |      | I CERTIFY THAT                                                                                                             |           |                |
| THIS ENG. HAS BEEN INSPECTED IN ACCORDANCE    |      |      | WITH A ANNUAL INSPECTION AND WAS DETERMINED                                                                                |           |                |
| TO BE IN AIRWORTHY CONDITION.                 |      |      |                                                                                                                            |           |                |
| SIGNED: <i>[Signature]</i>                    |      |      |                                                                                                                            |           |                |
| NUMBER: 454370943 T&A                         |      |      |                                                                                                                            |           |                |
| Page Total                                    |      |      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown. |           |                |
| Brought Forward                               |      |      |                                                                                                                            |           |                |
| Total to Date                                 |      |      |                                                                                                                            |           |                |

**SERVICEABLE**

Mfgr. Mooney  
Component Tail pipe  
Model m-20c  
Part # 637-35

The aircraft component 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 Work Order No. 54708

Date 04-11-01  
Signed [Signature]

**Aircraft Exhaust Systems, Inc.**

P. O. Box 159

New Autumn Estates Road

Jumping Branch, WV 25969

(304) 466-1724

**FAA CERTIFICATED**

**REPAIR STATION NO. XHYR068L**

# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE            | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                                                                                     | SIGNATURE | LICENSE NUMBER |
|-----------------|------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|
|                 | Hrs. | Min. |                                                                                                                                                                                                                                                                               |           |                |
| 6/16/01         |      |      | TACH 3856.36 TTE=3037 SMOH=475 OIL (AEROSHELL 100 PLUS) AND OIL FILTER (CHAMPION CH48110) CHANGED. OIL SAMPLE SUBMITTED FOR ANALYSIS AND OIL FILTER INSPECTED FOR METAL. OIL FILTER SAFETY WIRED. OWNER: LLOYD STEARNS <i>[Signature]</i>                                     |           |                |
| 8/10/01         |      |      | TACH 3883.00 TTE=3064 SMOH=501 OIL (EXXON ELITE 20W50) AND OIL FILTER (CHAMPION CH48110) CHANGED. OIL SAMPLE SUBMITTED FOR ANALYSIS AND OIL FILTER INSPECTED FOR METAL. SPARK PLUGS CLEANED GAPPED, AND ROTATED. FILTER SAFETY WIRED. OWNER: LLOYD STEARNS <i>[Signature]</i> |           |                |
| Page Total      |      |      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.                                                                                                                                                    |           |                |
| Brought Forward |      |      |                                                                                                                                                                                                                                                                               |           |                |
| Total to Date   |      |      |                                                                                                                                                                                                                                                                               |           |                |

# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE            | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                                                                                                           | SIGNATURE | LICENSE NUMBER |
|-----------------|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|
|                 | Hrs. | Min. |                                                                                                                                                                                                                                                                                                     |           |                |
| 10/6/01         |      |      | TACH 3908.97 TTE=3089 SMOH=526 OIL (EXXON ELITE 20W50) AND OIL FILTER (CHAMPION CH48110) CHANGED. OIL SAMPLE SUBMITTED FOR ANALYSIS AND OIL FILTER INSPECTED FOR METALS. AIR FILTER ELEMENT (BRAND) REPLACED. OIL FILTER SAFETY WIRED. BATTERY FLUID ADDED. OWNER: LLOYD STEARNS <i>[Signature]</i> |           |                |
| 10/27/01        |      |      | TACH 3937.91 TTE=3118 SMOH=555 OIL (EXXON ELITE 20W50) AND OIL FILTER (CHAMPION CH48110) CHANGED. OIL SAMPLE SUBMITTED FOR ANALYSIS (ADA) AND OIL FILTER INSPECTED FOR METALS. AIR FILTER NOT REPLACED. OIL FILTER SAFETY WIRED. OWNER: LLOYD STEARNS <i>[Signature]</i>                            |           |                |
| Page Total      |      |      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.                                                                                                                                                                          |           |                |
| Brought Forward |      |      |                                                                                                                                                                                                                                                                                                     |           |                |
| Total to Date   |      |      |                                                                                                                                                                                                                                                                                                     |           |                |

# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE            | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                    | SIGNATURE | LICENSE NUMBER |
|-----------------|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|
|                 | Hrs. | Min. |                                                                                                                                                                                                              |           |                |
| 11/11/01        |      |      | TACH=3938.76 TTE=3119 SMOH=556 REPLACED ALL SPARK PLUGS AND GASKETS WITH NEW CHAMPION REM38E. OWNER L.B. STEARNS <i>[Signature]</i>                                                                          |           |                |
| 1/4/02          |      |      | TACH=3953 LEFT & RIGHT MAGS TIMED BY BERT AVIATION INC. CLEANED AND GAPPED ALL SPARK PLUGS<br><i>[Signature]</i><br>2014826 AOP                                                                              |           |                |
| 1/13/02         |      |      | TACH=3969.00 TTE=3149 SMOH=586. CHANGED OIL WITH EXXON ELITE 20W50 & REPLACED OIL FILTER WITH CHAMPION 48110. CHECKED BATTERY FLUID LEVEL. INSPECTED FILTER FOR MUTH. OWNER: L.B. STEARNS <i>[Signature]</i> |           |                |
| Page Total      |      |      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.                                                                                   |           |                |
| Brought Forward |      |      |                                                                                                                                                                                                              |           |                |
| Total to Date   |      |      |                                                                                                                                                                                                              |           |                |

# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE            | TIME    |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                                                                                                                                                                        | SIGNATURE | LICENSE NUMBER |
|-----------------|---------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|
|                 | Hrs.    | Min. |                                                                                                                                                                                                                                                                                                                                                                  |           |                |
| 4/6/02          |         |      | TACH=3994.00 TTE=3174 SMOH=611. CHANGED OIL WITH EXXON ELITE 20W50 & REPLACED OIL FILTER WITH CHAMPION 48110. CHECKED BATTERY FLUID. REPLACED AIR FILTER WITH BRAWTT ELEMENT WITH BA-4108. OWNER: L.B. STEARNS <i>[Signature]</i>                                                                                                                                |           |                |
| 4-19-02         | 3995.14 |      | % ANNUAL INSPECTION. CHECKED COMPRESSION, #1.78 #2.79 #3.76<br>612.14 T.S.M.A.H. CHECKED MAG TIMING TO ENG. INSTALLED RT. AND LT. MAG. HAR ASSY. P/N CH12364 <sup>SM 1301</sup> . LUBRICATED ALL ENG. CONTROLS. INSPECTED STARTER and exhaust system. REINSTALLED REPAIRED ALTERNATOR P/N 015-013/W A-5568, ALTERNATOR REPAIRED BY INTER AV INC. W/O NO: 805. IN |           |                |
| Page Total      |         |      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown. <span style="float: right;">CONTINUED</span>                                                                                                                                                                                          |           |                |
| Brought Forward |         |      |                                                                                                                                                                                                                                                                                                                                                                  |           |                |
| Total to Date   |         |      |                                                                                                                                                                                                                                                                                                                                                                  |           |                |



# INTERAV INC.

P.O. BOX 16714  
100 E. NAKOMA DR.

512-344-2785  
SAN ANTONIO, TX. 78216

SERVICEABLE PARTS TAG  
CUSTOMER'S NAME Dugosh Ac serv.

WORK ORDER NO. 805

PART NAME Alternator CUSTOMER ORDER NO. Vanette

PART NO. 015-01237 PART MFG. InterAv

REMARKS Removed 2" W.D. Pulley. Installed 3" W.D. Pulley. SERIAL NO. A-55568

Replaced Brush Blk, Resistor, Insulator. Insp. + Bench Test Approved

### INSPECTOR

The aircraft, airframe, aircraft engine, propeller, or appliance 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 order number.

SIGNED A. Bunch 461135789

APPROVED REPAIR STATION NO. 243-10 DATE 4-17-02

| DATE        | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SIGNATURE | LICENSE NUMBER |
|-------------|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|
|             | Hrs. | Min. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                |
| CONTINUED → |      |      | New champion vac. pump P/NCH215CC S/N C03918. Installed new vac. pump housing gasket P/N 61183. Installed new alternator belt P/N 37A19773-376. C/W Textron Lycomings. M. S. B. NO. 1425, reined exhaust valve guides. Next due in 400 hrs. or Tach 4395.14. Replaced #1, #2, #3, #4 valve cover gaskets. Replaced all exhaust pushrod housing orings P/N 18661. Replaced vac. pump housing oil seal P/N 06A19956. C/W Textron Lycomings M. S. B. NO. 518C, inspected Thermostatic bypass valve. Washed and ran up eng. No oil leaks noted at this time. Returned aircraft to service. Replaced prop. oring P/NPR1909-6. |           |                |
|             |      |      | CONTINUED →                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                |

|                 |                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------|
| Page Total      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown. |
| Brought Forward |                                                                                                                            |
| Total to Date   |                                                                                                                            |

| DATE    | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                                                                               | SIGNATURE | LIC NU |
|---------|------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|
|         | Hrs. | Min. |                                                                                                                                                                                                                                                                         |           |        |
|         |      |      | DATE 4-19-02 T.T. IN SERVICE 3175.14 / 612.14 S.M.O.H.<br>AD'S CHECKED THRU 02-06 I CERTIFY THAT THIS ENG. HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.<br>SIGNED: David Behrens<br>NUMBER: 454370448 I+A |           |        |
| 8/25/02 |      |      | TACH 4019.89 TIE = 3200 SMOH = 637 CHANGED OIL WITH EXXON ELIT<br>REPLACED OIL FILTER WITH CHAMPION 48110. CHECKED BATTERY FLUID<br>SAFETY WIRED OIL FILTER : CLEANED OIL TEMPERATURE SENDING UNIT<br>CONNECTOR OWNER: LLOYD STEPHENS JLB                               |           |        |

|                 |                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------|
| Page Total      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown. |
| Brought Forward |                                                                                                                            |
| Total to Date   |                                                                                                                            |



# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE            | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                                                                           | SIGNATURE | LICENSE NUMBER |
|-----------------|------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|
|                 | Hrs. | Min. |                                                                                                                                                                                                                                                                     |           |                |
| 12/01/02        |      |      | TACH 4053.75 TTE = 3234 SMOH = 671 CHANGED OIL WITH EXXON ELITE 20W50 & REPLACED OIL FILTER w/ CHAMPION 48110. CHANGED AIR FILTER WITH BRACOR FILTER ELEMENT BA6108. CHECKED BATTERY FLUID LEVEL. SAFETY WIRED OIL FILTER. OWNER: LLOYD STEPHENS <i>[Signature]</i> |           |                |
| 1/22/03         |      |      | TACH 4078.85 TTE = 3259 SMOH = 696 CHANGED OIL WITH EXXON ELITE 20W50 & REPLACED OIL FILTER w/ CHAMPION 48110. CHANGED/REPLACED SAFETY WIRE. REPAIRED BATTERY FLUID LEVEL. CLEANED, GAPPED AND ROTATED SPARK PLUGS. OWNER: LLOYD STEPHENS <i>[Signature]</i>        |           |                |
| Page Total      |      |      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.                                                                                                                                          |           |                |
| Brought Forward |      |      |                                                                                                                                                                                                                                                                     |           |                |
| Total to Date   |      |      |                                                                                                                                                                                                                                                                     |           |                |

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| DATE                                           | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                                                                                                                                                    | SIGNATURE | LICENSE NUMBER |
|------------------------------------------------|------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|
|                                                | Hrs. | Min. |                                                                                                                                                                                                                                                                                                                                              |           |                |
| 4-25-03                                        | 4088 | 15   | C/W ANNUAL INSPECTION per Mooney Airplane Co. 100 Hour - ANNUAL INSPECTION GUIDE. Checked compression #1.76 #2.77 #3.75 #4.76                                                                                                                                                                                                                |           |                |
| ENG. T.T.                                      | 3248 | 15   | Checked mag. timing to eng. Cleaned and gapped spark plugs. Repl                                                                                                                                                                                                                                                                             |           |                |
| T.S.M.O.H.                                     | 705  | 15   | Checked mag. timing to eng. Cleaned and gapped spark plugs. Repl<br>eng. air filter P/N BA-6108. Lubricated all eng. controls. Inspected<br>exhaust system, alternator, starter. Installed New sky-tec starter<br>P/N 149-12LS, SN F2L-130324. C/W Lycoming. M.S.B. No. 518C.<br>Inspected thermostatic bypass valve. Washed and ran up eng. |           |                |
| DATE 4-25-03 T.T. IN SERVICE 705-15 T.S.M.O.H. |      |      |                                                                                                                                                                                                                                                                                                                                              |           |                |
| AD'S CHECKED THRU: 2003-07 I CERTIFY THAT      |      |      |                                                                                                                                                                                                                                                                                                                                              |           |                |
| THIS ENG. HAS BEEN INSPECTED IN ACCORDANCE     |      |      |                                                                                                                                                                                                                                                                                                                                              |           |                |
| WITH A ANNUAL INSPECTION AND WAS DETERMINED    |      |      |                                                                                                                                                                                                                                                                                                                                              |           |                |
| TO BE IN AIRWORTHY CONDITION.                  |      |      |                                                                                                                                                                                                                                                                                                                                              |           |                |
| SIGNED: David Bohner                           |      |      | All Repair Data Must Bear the Endorsement                                                                                                                                                                                                                                                                                                    |           |                |
| NUMBER 45437044                                |      |      | of a Certificated Mechanic, and his Rating                                                                                                                                                                                                                                                                                                   |           |                |
| Brought Forward                                |      |      | and Certificate Number MUST be Shown.                                                                                                                                                                                                                                                                                                        |           |                |
| Total to Date                                  |      |      |                                                                                                                                                                                                                                                                                                                                              |           |                |

# FAA/PMA APPROVED

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THIS STARTER WAS MANUFACTURED FROM ALL NEW COMPONENTS IN ACCORDANCE WITH FAR 21.303(h) UNDER AUTHORITY OF PMA NO. PQ0852SW AND IS AIRWORTHY. THIS STARTER IS FAA/PMA APPROVED AND IS ELIGIBLE FOR INSTALLATION ON LYCOMING 235, 290, 320, 360, 540, & 541 SERIES ENGINES. ENTER STARTER MODEL, SERIAL AND DATE OF INSTALLATION. ATTACH THIS TAG TO ENGINE LOGBOOK.

MODEL 149-12L8 SERIAL F2L-130324

DATE OF INSTALLATION 4-25-03

# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE            | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                                       | SIGNATURE          | LICENSE NUMBER |
|-----------------|------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|
|                 | Hrs. | Min. |                                                                                                                                                                                                                                 |                    |                |
| 7/6/03          |      |      | TACH=4102.01 TTE=3282 SMOH=719 CHANGED OIL WITH EXXON ELITE 20W50 & REPLACED OIL FILTER WITH CHAMPION 48110. CHECKED BATTERY FLUID AND CLEANED BOTTOM PLUGS. OWNER: LLOYD STEARNS                                               | <i>[Signature]</i> |                |
| 8/7/03          |      |      | TACH=4131.72 TTE=3312 SMOH=749 CHANGED OIL WITH EXXON ELITE 20W50 & REPLACED OIL FILTER WITH CHALLENGER CP48110. CHECKED BATTERY FLUID & CLEANED BOTTOM PLUGS. OWNER: LLOYD STEARNS                                             | <i>[Signature]</i> |                |
| 10/11/03        |      |      | TACH=4168.13 TTE=3348 SMOH=785 CHANGED OIL EXXON ELITE 20W50 & REPLACED OIL FILTER W/CHAMPION(CHALLENGER) CP48110. CLEANED & ROTATED SPARK PLUGS. CHECKED BATTERY FLUID. CLEANED BRACKET AIR FILTER BA6108. OWNER LLOYD STEARNS | <i>[Signature]</i> |                |
| Page Total      |      |      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.                                                                                                      |                    |                |
| Brought Forward |      |      |                                                                                                                                                                                                                                 |                    |                |
| Total to Date   |      |      |                                                                                                                                                                                                                                 |                    |                |

# ENGINE LOG SERIAL No. \_\_\_\_\_

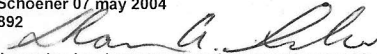
| DATE            | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                                                                          | SIGNATURE          | LIC NU |
|-----------------|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------|
|                 | Hrs. | Min. |                                                                                                                                                                                                                    |                    |        |
| 12/19/03        |      |      | TACH=4192.62 TTE=3373 SMOH=810 CHANGED OIL WITH EXXON ELITE 20W50 & REPLACED WITH CHAMPION CH48110 OIL FILTER. CHECKED BATTERY FLUID. LLOYD STEARNS                                                                | <i>[Signature]</i> |        |
| 3/21/04         |      |      | TACH 4218.45 TTE = 3399 SMOH = 836 CHANGED OIL WITH EXXON ELITE 20W50 & REPLACED WITH CHAMPION CH48110 OIL FILTER. REPLACED/CAPPED SPARK PLUGS WITH AUTOLITE UREM37BY. CHECKED BATTERY FLUID. OWNER: LLOYD STEARNS | <i>[Signature]</i> |        |
| Page Total      |      |      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.                                                                                         |                    |        |
| Brought Forward |      |      |                                                                                                                                                                                                                    |                    |        |
| Total to Date   |      |      |                                                                                                                                                                                                                    |                    |        |

ENGINE LOG SERIAL No. \_\_\_\_\_

DATE

(Engine log)  
 Date: 07 May 2004  
 Total Hours Tach 4221.81  
 Total Time Engine 3403.21  
 TSMOH 840.71

Ran up engine, verified operation, mag drop, carburetor heat function. No apparent problems. NOTE- oil and filter recently changed by owner at Tach = 4218.8 and old filter and oil analysis provided for inspection. Opened old filter and inspected - OK, no metal. Checked Compression as follows: #1-70/80, #2-73/80, #3-72/80, #4-75/80. Solvent washed engine, replaced al hoses shrouds and cowling. Ran up engine and observed all systems, gages, mag drop, and performed static run up. No apparent evidence of improper operation or leaks. This work performed in conjunction with an annual inspection conducted this date. Refer to airframe logbook for annual inspection entry.

Shaun A. Schoener 07 may 2004  
 A&P 2822892  


I certify this engine has been inspected in accordance with an 100 hr./annual inspection and is determined to be in airworthy condition.

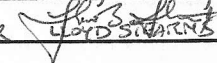
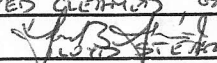
  
 Luther Carroll Morrison May 7, 2004  
 A&P 463524329IA

| SIGNATURE | LICENSE NUMBER |
|-----------|----------------|
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Must Bear the Endorsement  
 Mechanic, and his Rating  
 umber MUST be Shown.

Total to Date

ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE    | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE- REMARKS                                                                                                                                                                                                                                              | SIGNATURE | LICENSE NUMBER |
|---------|------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|
|         | Hrs. | Min. |                                                                                                                                                                                                                                                                                       |           |                |
| 7/11/04 |      |      | TACH 4243.53 TIE=3424 SMOH=860 CHANGED OIL WITH EXXON ELITE 20W50 AND REPLACED WITH CHAMPION CH48110 OIL FILTER. REMOVED, CLEANED, GAPPED REPL SPARK PLUGS. INSPECTED BATTERY WATER LEVELS. OWNER  |           |                |
| 10/2/04 |      |      | TACH 4272.81 TIE=3453 SMOH=889 CHANGED OIL WITH EXXON ELITE 20W50 AND REPLACED WITH CHAMPION CH48110-1 OIL FILTER. REMOVED CLEANED, GAPPED SPARK PLUGS. INSPECTED BATTERY WATER LEVELS. OWNER      |           |                |
|         |      |      |                                                                                                                                                                                                                                                                                       |           |                |
|         |      |      |                                                                                                                                                                                                                                                                                       |           |                |
|         |      |      |                                                                                                                                                                                                                                                                                       |           |                |
|         |      |      |                                                                                                                                                                                                                                                                                       |           |                |
|         |      |      |                                                                                                                                                                                                                                                                                       |           |                |
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|         |      |      |                                                                                                                                                                                                                                                                                       |           |                |

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| Page Total      |
| Brought Forward |
| Total to Date   |

All Repair Data Must Bear the Endorsement  
 of a Certificated Mechanic, and his Rating  
 and Certificate Number MUST be Shown.

# ENGINE LOG SERIAL No. \_\_\_\_\_

| DATE                 | TIME |      | REPAIRS - ADJUSTMENTS - SERVICE - REMARKS                                                                                                                   | SIGNATURE                | LICENSE NUMBER   |
|----------------------|------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
|                      | Hrs. | Min. |                                                                                                                                                             |                          |                  |
| 2/5/05               |      |      | TACH 4296.70 TTE=3477 SMOH=913 CHANGED OIL WITH EXXON ELITE 20W50 AND REPLACED OIL FILTER WITH CHAMPION CH48110. INSPECTED AND SERVICED BATTERY WATER LEVEL | OWNER <i>[Signature]</i> | LLOYD B. STEARNS |
| <i>START NEW LOG</i> |      |      |                                                                                                                                                             |                          |                  |
| Page Total           |      |      | All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.                                  |                          |                  |
| Brought Forward      |      |      |                                                                                                                                                             |                          |                  |
| Total to Date        |      |      |                                                                                                                                                             |                          |                  |

# DATE \_\_\_\_\_ Service Bulletins, Letters, Instructions & A D Notes

2-19-99 tach 3580.17 A.D. 98-23-01, <sup>1/4</sup> by <sup>3/4</sup> of vacuum pump. Larry J. Jenschke 46

2-19-99 tach 3580.17 A.D. 75-09-08, checked org. mount member. Larry J. Jenschke 46

2-19-99 tach 3580.17 A.D. 96-09-06, installing Rev. C air filter. Larry J. Jenschke 46

SERVICEABLE

Mfgr. Mooney

Component MUFFLER

Model M20C

Part # 850-49

The aircraft component 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 Work Order No. 48039

Date 2-9-99

Signed [Signature]

Aircraft Exhaust Systems, Inc.  
P. O. Box 159  
Broomstraw Ridge Road  
Jumping Branch, WV 25969  
(304) 466-1724

FAA CERTIFICATED  
REPAIR STATION NO. XHYR068L