

OF
(S.)

Date: 5/31/2000 Aircraft: N3537N Type: MOONEY M20F S/N: 680089
Tach Time: 2168.1

REMOVED AND REPLACED 10 AMP CIRCUIT BREAKER ON FUEL PUMP CIRCUIT. OPS CHECK
GOOD.

649
01

THIS AIRCRAFT AIR FRAME, AIRCRAFT ENGINE OR APPLIANCE IDENTIFIED ON THE
WORK ORDER WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT
REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO
SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR
STATION WORK ORDER # 50954. Date: 5/31/2000
Signed: Ron Marshall
FOR F.A.A. APPROVED REPAIR STATION ECFR459D
AEROGENESIS I LLC
CAPITAL CITY AIRPORT
LANSING, MI 48906

REPAIRS AND
TESTING AND CER
TIFICATES FOR OTH

| RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---------------------------|------------------|-----------------------------|---|
|---------------------------|------------------|-----------------------------|---|

N3537N 10-27-00 Tach 2241.8 Replaced Gyro Horizon.
S/N 19249F.

Douglas R. Kitze *Douglas R. Kitze*
AI 1516937

Airborne

Air Filter Change Reminder

Changed at: 2312.4 Hrs. Next Change: 2812.4 Hrs.
4-26-01 Date





ARTEX AIRCRAFT SUPPLIES, INC.
14405 Keil Rd. NE Aurora, OR 97002
(503) 678-7929 800-547-8901

LOG BOOK ENTRY _____

E.L.T. BATTERY REPLACEMENT DATE 6/03

ANNUAL INSPECTION

N3537N

- 1. REPLACED LANDING LIGHT WITH MOONEY SERVICE KIT SI-20-41-501.
- 2. C/W WITH MOONEY SERVICE BULLETIN M20-88A LDG PLACARD.
- 3. REPLACED ELT BATTERY EXPIRES 6/03 AND CHECKED I/A/W FAR 91.207 (d) UNIT S/N 36369.
- 4. REPLACED CENTRAL VACUUM FILTER WITH PART NO. 1J7-1.
- 5. C/W AD 73-21-01 FLT CONTROL LDG PARAGRAPHS (A) & (C), **DUE AGAIN 4/02 OR TACH: 2411.**
- 6. PRESSURE CHECKED FUEL VENT SYSTEM.
- 7. REPLACED ALL TUBES WITH NEW MICHELIN AIRSTOPS PART NO'S 092-308-0 & 092-315-0.
- 8. C/W AD 76-07-12 IGNITION SWITCH BY FUNCTION TEST, **DUE AGAIN TACH: 2411.**

REPAIR STATION

I certify that this Airframe has been inspected in accordance with Annual and determined to be in airworthy condition.

Details on file under W. O. Tach Time : Total Time: 4067 2311

Signed Roman Williams Date 4-27-01

Freeway Airport, Inc. 3900 Church Road, Mitchellville, MD 20721
Certified Repair Station # FK8R141Q

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|--------------|---------------------------|------------------|-----------------------------|---|
|--------------|---------------------------|------------------|-----------------------------|---|

ANNUAL INSPECTION
N3537N

1. REPLACED REGULATOR VACUUM FILTER W/ P/N B3-5-1.
2. REPLACED ALL BRAKE LININGS P/N 066-105.
3. REPLACED CABIN 3" SCAT HOSE.
4. REPLACED R/H MAIN TIRE W/ NEW 600X6X6 AIR HAWK.
5. CHECKED FUNCTION OF ELT IAW FAR91.207(d). BATTERY **EXPIRES 6/03**
6. REPLACED PILOT SEAT BACK W/ SERVICEABLE UNIT.
7. REMOVED CABIN DOOR SEAL AND REPLACED W/ NEW SEAL P/N 912018-001.
8. ADJUSTED PRIMARY VACUUM LOW VACUUM LIGHT SWITCH TO 3.5 " Hg.
9. COMPLIED WITH AD 73-21-01 FLIGHT CONTROL/LANDING GEAR SYSTEM FUNCTION TEST. **NEXT DUE 5/03 OR TACH 2582.8.**
10. COMPLIED WITH AD 76-07-12 BENDIX SWITCHES FUNCTION TEST. **NEXT DUE TACH 2582.8.**
11. PRESSURE CHECKED FUEL VENT SYSTEM.
12. ADS CHECKED THRU BIWEEKLY 2002-8

| DATE | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|------|---------------------|---------------|-----------------------|--|
|------|---------------------|---------------|-----------------------|--|

I certify that this AIRCRAFT has been inspected in accordance with ANNUAL and determined to be in AIRWORTHY condition.
 Details on file under W. O. 4153 Tach Time : 2482.8 Total Time: 2482.8

Signed *Thomas J. Williams* Date 5-29-02
 Thomas J. Williams

Freeway Airport, Inc. 3900 Church Road, Mitchellville, MD 20721
 Certified Repair Station # FK8R141Q

| | | | | |
|-----------|---------|--|--|--|
| 8/22/2002 | 2526.58 | | | Remove gyro horizon for repair Reinstall gyro horizon after overhaul <i>Douglas R. Kraft</i> A1516957 |
| | | | | |
| | | | | |
| | | | | |

| TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES) |
|-----------------------|--|
| | <p>I certify that the altimeter, encoder and static system test required by FAR 91.217(B) have been performed and tested per FAR 43 Appendix E.</p> <p>Altimeter P/N _____ S/N _____</p> <p>Encoder P/N _____ S/N _____</p> <p>Tested To <u>20,000</u> Ft.</p> <p>Signed <u>[Signature]</u> Date <u>05/24/02</u></p> <p>Freeway Airport, Inc. 3900 Church Rd. Mitchellville, MD 20721 CRS# FK8R1410</p> |
| | <p>I certify that the transponder check required by FAR Part 91.413 has been performed and tested per FAR 43 Appendix F.</p> <p>Transponder P/N _____ S/N _____</p> <p>Signed <u>[Signature]</u> Date <u>05/24/02</u></p> <p>Freeway Airport, Inc. 3900 Church Rd. Mitchellville, MD 20721 CRS# FK8R1410</p> |

Annual Inspection

Aircraft: N 3537N Make: MOONEY Model: M20F Tach Hours: 2614.3 Total Hours: 2614.3

1. CHECKED ELT I/A/W 91.207 (d), REPLACED ELT BATTERY EXPIRES 6/05.
2. REPLACED PC SYSTEM VACUUM TUBING WITH PART NO. 188.
3. C/W AD 73-21-01 FLT CONT/LDG I/A/W PARTS A&C, DUE AGAIN 4/04 OR TACH: 2714.3
4. C/W AD 76-07-12 IGNITION SWITCH BY FUNCTION TEST, DUE AGAIN TACH: 2714.3
5. C/W AD 77-17-04 CONTROL WHEEL SHAFT BY INSPECTION, DUE AGAIN TACH: 3114.3
6. SERVICED FUEL GASCOLATOR WITH NEW SEALS.
7. CHECKED FUEL VENT SYSTEM.
8. AD'S CHECKED THRU BIWEEKLY 2003-08.

Freeway Airport, Inc.
3900 Church Road
Mitchellville, MD 20721
CRS: FK8R141Q



I Certify that this Aircraft _____ has been Inspected
in accordance with an Annual Inspection and found to be in airworthy condition.
Details are on file under work order number 4338.

Signed: _____

Thomas J. Williams

Date: _____

4-25-03

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER

ALTIMETER and MODE C VERIFICATION

RECORDING TACH TODAY'S TOTAL TIME IN

N# 3537N Work Order: 4512 Date: 04/13/04
 Transponder: Mfg. — Model — Serial No. —
 Altimeter: Mfg. — Model — Serial No. —
 Encoder: Mfg. — Model — Serial No. —

| ALTIMETER | | |
|-----------|-------|-------------|
| Altitude | Error | (Tolerance) |
| -1000 | +5 | (20 ft+/-) |
| 0 | 0 | (20 ft+/-) |
| 500 | -10 | (20 ft+/-) |
| 1,500 | 0 | (25 ft+/-) |
| 2,000 | 0 | (30 ft+/-) |
| 3,000 | 0 | (30 ft+/-) |
| 4,000 | 0 | (35 ft+/-) |
| 5,000 | +5 | (35 ft+/-) |
| 6,000 | +5 | (40 ft+/-) |
| 8,000 | 0 | (60 ft+/-) |
| 10,000 | +20 | (80 ft+/-) |
| 12,000 | +40 | (90 ft+/-) |
| 14,000 | +40 | (100 ft+/-) |
| 16,000 | +50 | (110 ft+/-) |
| 18,000 | +60 | (120 ft+/-) |
| 20,000 | +80 | (130 ft+/-) |
| 22,000 | | (140 ft+/-) |
| 25,000 | | (155 ft+/-) |
| 30,000 | | (180 ft+/-) |

| MODE C OUTPUT | | | |
|---------------|--------|---------|--------|
| Desired | Actual | Desired | Actual |
| 0 | 0 | 12,000 | 12000 |
| 1,000 | 1000 | 14,000 | 14010 |
| 2,000 | 2000 | 15,000 | 15000 |
| 3,000 | 3000 | 16,000 | 16000 |
| 4,000 | 4000 | 18,000 | 18000 |
| 5,000 | 5000 | 20,000 | 20000 |
| 6,000 | 6000 | 22,000 | |
| 8,000 | 8000 | 25,000 | |
| 10,000 | 10000 | 30,000 | |

| HYSTERSIS TEST | | |
|-----------------------|---------|--------------|
| Forty Percent: | +22 | (75 ft+/-) |
| Fifty Percent: | +20 | (75 ft+/-) |
| After Effect Leakage: | +7 / 10 | (100 ft/min) |

I certify that the transponder described above has been tested and inspected as required by FAR 91.413 and has met the requirements of FAR 43, Appendix F. The altimeter or encoder was tested and inspected as required by FAR 91.411 and meets the requirements of FAR 43, Appendix E. All systems tested to: 20,000 feet.

Signed: Glenn Mc Mill

Freeway Airport Inc., 3900 Church Road, Mitchellville, MD 20721
 Certified Repair Station #FK8R141Q

Print

Annual Inspection

DATE: _____ RECORDING TACH: _____ TOTAL TACH: _____
 Aircraft: **N 3537N** Make: **Mooney** Model: **M20F** Tach Hours: **2770.8** Total Hours: ~~2270.8~~ **2770.8** (NUMBER OF ENTRIES.)

1. CHECKED ELT IAW FAR 97.207(d). BATTERY EXPIRES 6/05.
2. C/W AD 73-21-01, FLT CTRLS/LANDING GEAR IAW PARTS A&C. DUE AGAIN 4/05 OR TACH 2870.8.
3. C/W AD 76-07-12, IGNITION SWITCH BY FUNCTION TEST. DUE AGAIN TACH 2870.8.
4. SERVICED FUEL GASCOLATOR.
5. CHECKED FUEL VENT SYSTEM.
6. ADs CHECKED THROUGH BIWEEKLY 2004-07.

Freeway Airport, Inc.
 3900 Church Road
 Mitchellville, MD 20721
 CRS: FK8R141Q



I Certify that this Airframe has been Repaired and Inspected
 in accordance with an Annual Inspection and found to be in airworthy condition.
 Details are on file under work order number **4512**.

Signed: *Thomas J. Williams*
 Thomas J. Williams

Date: **4-16-04**

Annual Inspection

Aircraft: N 3537N Make: Mooney Model: M20F Tach Hours: 2918.7 Total Hours: 2918.7

1. REPLACED EXISTING STALL WARNING SWITCH WITH MOONEY RETROFIT SWITCH PART NO. 940065-505.
2. REPLACED BOTH REGULATOR AND CENTRAL VACUUM FILTERS.
3. REPLACED ELT BATTERY WITH BP-1010, AND TESTED I/A/W 91.207 (D), BATTERY EXPIRES 6/07.
4. REPLACED WHEEL CYLINDERS WITH P/N 61-19, BRAKE DISC WITH P/N 164-120 AND PADS P/N 66-105.
5. REPLACED LEFT MAIN AND NOSE TIRES WITH AIRHAWKS.
6. SERVICED FUEL GASCOLATOR AND CHECKED FUEL VENT SYSTEM.
7. C/W AD 73-21-01 FLT CONTROL/ LANDING GEAR, PARTS A&C, DUE AGAIN 5/06 OR TACH: ^{3018.7} 3018.7.
8. C/W AD 76-07-12 IGNITION SWITCH BY FUNCTION TEST, DUE AGAIN TACH: 3018.7.
9. ~~AD 04-25-04 FUEL BLADDER MOD DUE BY 01/21/06~~ N/A by installation date 6-98 AD 04-25-04 ✓
10. AD'S CHECKED THRU BIWEEKLY 2005-08.

END

Freeway Airport, Inc.
3900 Church Road
Mitchellville, MD 20721
CRS: FK8R141Q



I Certify that this Aircraft _____ has been Inspected
in accordance with an Annual Inspection and found to be in airworthy condition.
Details are on file under work order number 4656

Signed: Thomas J. Williams
Thomas J. Williams

Date: 5-3-05

ALTIMETER and MODE C VERIFICATION

OF
S.)

| ALTIMETER | | |
|-----------|-------|-------------|
| Altitude | Error | (Tolerance) |
| -1000 | -10 | (20 ft+/-) |
| 0 | -10 | (20 ft+/-) |
| 500 | 0 | (20 ft+/-) |
| 1,500 | 0 | (25 ft+/-) |
| 2,000 | 0 | (30 ft+/-) |
| 3,000 | +10 | (30 ft+/-) |
| 4,000 | +10 | (35 ft+/-) |
| 5,000 | +10 | (35 ft+/-) |
| 6,000 | 0 | (40 ft+/-) |
| 8,000 | +20 | (60 ft+/-) |
| 10,000 | +20 | (80 ft+/-) |
| 12,000 | +40 | (90 ft+/-) |
| 14,000 | +60 | (100 ft+/-) |
| 16,000 | +80 | (110 ft+/-) |
| 18,000 | +80 | (120 ft+/-) |
| 20,000 | +100 | (130 ft+/-) |
| 22,000 | } | (140 ft+/-) |
| 25,000 | | (155 ft+/-) |
| 30,000 | | (180 ft+/-) |

№ N3537N Work Order: 5037 Date: 10/18/06
 Transponder: Mfg. — Model — Serial No. —
 Altimeter: Mfg. — Model — Serial No. —
 Encoder: Mfg. — Model — Serial No. —

| MODE C OUTPUT | | | |
|---------------|--------|---------|--------|
| Desired | Actual | Desired | Actual |
| 0 | 0 | 12,000 | 12000 |
| 1,000 | 1000 | 14,000 | 14000 |
| 2,000 | 2000 | 15,000 | 15000 |
| 3,000 | 3000 | 16,000 | 16000 |
| 4,000 | 4000 | 18,000 | 18000 |
| 5,000 | 5000 | 20,000 | 20000 |
| 6,000 | 6000 | 22,000 | } |
| 8,000 | 8000 | 25,000 | |
| 10,000 | 10000 | 30,000 | |

| HYSTERSIS TEST | | |
|-----------------------|---------|--------------|
| Forty Percent: | +12 | (75 ft+/-) |
| Fifty Percent: | +12 | (75 ft+/-) |
| After Effect Leakage: | +6 / 10 | (100 ft/min) |

I certify that the transponder described above has been tested and inspected as required by FAR 91.413 and has met the requirements of FAR 43, Appendix F. The altimeter or encoder was tested and inspected as required by FAR 91.411 and meets the requirements of FAR 43, Appendix E. All systems tested to: 20,000 feet.

Signed: Henry McMill

Freeway Airport Inc., 3900 Church Road, Mitchellville, MD 20721
 Certified Repair Station #FK8R141Q

Annual Inspection

Aircraft: N 3537N Make: Mooney Model: M20F Tach Hours: 3045.1 Total Hours: 3045.1

1. Replaced nose gear retraction link with new Mooney # 530068-001, nose gear support truss with new #54001-503, and all associated bushings and hardware.
2. Replaced landing light with new General Electric # 4522.
3. Complied with Airworthiness Directive 73-21-01, flight control landing gear, in accordance with paragraphs A+C, due again next annual, or TACH 3145.1
4. Complied with Airworthiness Directive 76-07-12, ignition switch, by function test, due again TACH 3145.1
5. Complied with Airworthiness Directive 06-18-15, hub inspection, by installation of new propeller model HC-C2YK-1BF1, serial number CH40591B, no further action due at this time.
6. Checked ELT in accordance with FAR91.207(d), battery expires 06/07
7. Airworthiness Directives checked thru bi-weekly 2006-21

-----END-----

Freeway Airport, Inc.
3900 Church Road
Mitchellville, MD 20721
CRS: FK8R141Q



I Certify that this Airframe has been Repaired and Inspected
in accordance with an Annual Inspection and found to be in airworthy condition.
Details are on file under work order number 5037

Signed: *Thomas J. Williams*
Thomas J. Williams

Date: Oct 20, 2006

Maintenance Release

Aircraft: N 3537N Make: Mooney Model: M20F Tach Hours: 3100.03 Total Hours: _____

REMOVED OLD VACUUM SWITCH S/N T15002 AND INSTALLED A NEW VACUUM SWITCH
P/N M20-210-001 S/N S163025. TESTED SYSTEM WITH A VACUUM GAGE, SYSTEM OPS CHECK GOOD.

Freeway Airport, Inc.
3900 Church Road
Mitchellville, MD 20721
CRS: FK8R141Q



I Certify that this Aircraft _____ has been Inspected
in accordance with current FAA regulations and is approved for the return to service.
Details are on file under work order number 4794.

Signed: *Thomas J. Williams* Date: 4-20-07
Thomas J. Williams

Annual Inspection

Aircraft: N 3537N Make: Mooney Model: M20F Tach Hours: 3166.0 Total Hours: 3166.0

1. Replace ELT antenna with part no. E0115
2. Replace ELT battery with part no. BP-1010 and tested I/A/W 91.207(d) battery expires 12/09
3. Replaced all Kilxon non deactivating circuit breakers with manual deactivating circuit breakers
4. Replaced regulator vacuum band filter with P/N B3-5-1
5. Replaced beacon lamp with part no. 7079B-12
6. C/W Mooney service bulletin aileron center link I/A/W M20-298-000
7. C/W AD 73-21-01 flight controls landing gear I/A/W A&C due again tach 3266.2
8. C/W AD 7607-12 ignition switch by function test due again tach 3266.2
9. C/W AD 77-17-04 control wheel by inspection, due again tach 3666.2
10. Installed lasar oil cooler relocation modification I/A/W STC SA2513NM see 337 this date.
11. AD's checked thru bi weekly 2007-24

Freeway Airport, Inc.
3900 Church Road
Mitchellville, MD 20721
CRS: FK8R141Q



I Certify that this Aircraft _____ has been Repaired
in accordance with an Annual Inspection and found to be in airworthy condition.
Details are on file under work order number 4867.

Signed: _____

Thomas J. Williams

Date: 12-3-07

ALTIMETER and MODE C VERIFICATION

IS
ER
TRI

| ALTIMETER | | |
|-----------|-------|-------------|
| Altitude | Error | (Tolerance) |
| -1000 | -10 | (20 ft+/-) |
| 0 | 0 | (20 ft+/-) |
| 500 | 0 | (20 ft+/-) |
| 1,500 | +10 | (25 ft+/-) |
| 2,000 | +10 | (30 ft+/-) |
| 3,000 | +15 | (30 ft+/-) |
| 4,000 | +20 | (35 ft+/-) |
| 5,000 | +15 | (35 ft+/-) |
| 6,000 | +5 | (40 ft+/-) |
| 8,000 | +20 | (60 ft+/-) |
| 10,000 | +20 | (80 ft+/-) |
| 12,000 | +50 | (90 ft+/-) |
| 14,000 | +40 | (100 ft+/-) |
| 16,000 | +80 | (110 ft+/-) |
| 18,000 | +80 | (120 ft+/-) |
| 20,000 | +100 | (130 ft+/-) |
| 22,000 | | (140 ft+/-) |
| 25,000 | | (155 ft+/-) |
| 30,000 | | (180 ft+/-) |

N# N 3537N Work Order: 5188 Date: 10-17-2008
 Transponder: Mfg. King Model KT 76 Serial No. -
 Altimeter: Mfg. United Model - Serial No. -
 Encoder: Mfg. - Model - Serial No. -

| MODE C OUTPUT | | | |
|---------------|--------|---------|--------|
| Desired | Actual | Desired | Actual |
| 0 | 0 | 12,000 | 12000 |
| 1,000 | 1000 | 14,000 | 14000 |
| 2,000 | 2000 | 15,000 | 15000 |
| 3,000 | 3000 | 16,000 | 16000 |
| 4,000 | 4000 | 18,000 | 18000 |
| 5,000 | 5000 | 20,000 | 20000 |
| 6,000 | 6000 | 22,000 | |
| 8,000 | 8000 | 25,000 | |
| 10,000 | 10000 | 30,000 | |

| HYSTERSIS TEST | | |
|-----------------------|----------|--------------|
| Forty Percent: | +20 | (75 ft+/-) |
| Fifty Percent: | -5 | (75 ft+/-) |
| After Effect Leakage: | +20 / 60 | (100 ft/min) |

I certify that the transponder described above has been tested and inspected as required by FAR 91.413 and has met the requirements of FAR 43, Appendix F. The altimeter or encoder was tested and inspected as required by FAR 91.411 and meets the requirements of FAR 43, Appendix E. All systems tested to: 20,000 feet.

Signed: [Signature]

Freeway Airport Inc., 3900 Church Road, Mitchellville, MD 20721
 Certified Repair Station #FK8R141Q

Annual Inspection


Aircraft: N 3537N Make: **Mooney** Model: **M20F** Tach Hours: **3241.1** Total Hours: **3241.1**

1. C/W AD 73-21-01 flight control and landing gear I/A/W A&C due again tach 3341.1.
2. C/W AD 76-07-12 Ignition switch by function test, due again tach 3341.1.
3. Installed new copilot defrost scatt tube SC-N4.
4. Replaced nose wheel bearing with new TI 0812 and 08231.
5. Repacked all wheel bearings.
6. Installed new B3-5-1 regulator band filter.
7. Activated and installed new Gill G-35 S# G02353841 aircraft battery.
8. Cleaned and painted inside of battery box.
9. Replaced alternate air door nut plate rivets.
10. Serviced challenger air filter.
11. Replaced oil and fuel pressure hoses behind firewall with new from Aviall work order 7960029.
12. Replaced engine fuel pressure hose, and fuel pump hoses with new from Aviall work order 7960029.
13. Checked ELT I/A/W FAR 91.207D. ELT due Dec 09.
14. Checked all AD,s threw FAA BI-WEEKLY 2008-20

Freeway Airport, Inc.
3900 Church Road
Mitchellville, MD 20721
CRS: FK8R141Q



I Certify that this Aircraft has been Inspected
in accordance with an Annual Inspection and found to be in airworthy condition.
Details are on file under work order number: **5186**

Signed:  Date: Oct 17, 2008
Thomas J. Williams

Annual Inspection

Aircraft: **N 3537N** Make: **Mooney** Model: **M20F** Tach Hours: **3352.22** Total Hours: **3352.22**

1. Replaced L/H main tire with new AirHawk 600X6 6PLY tire
2. Replaced attitude gyro with overhauled ANS-30 Horizon, S/N 3039, by Aircraft Quality Instruments, reference W/O 42659 dated 06-23-2009
3. Replaced RH fuel sump with new F391-18 drain valve
4. Replaced all PC tubing with new Mooney part number RM026154
5. Cleaned and repainted aircraft battery box
6. Installed new pilot seat belt grommet with new part number S2237-3
7. Installed Ground wire for cigarette lighter
8. Checked ELT in accordance with FAR 91.207(d), installed new BP1010 ELT battery, expiration December 2011
9. Complied with airworthiness directive 73-21-01 landing gear flight controls, in accordance with paragraphs a+c, due again at TACH 3452.22
10. Complied with airworthiness directive 76-07-12, Bendix Ignition Switch, by function check, due again TACH 3452.22
11. Airworthiness Directives checked thru biweekly 2009-21

Freeway Airport, Inc.
 3900 Church Road
 Mitchellville, MD 20721
 CRS: FK8R141Q



I Certify that this Airframe has been Repaired and Inspected
 in accordance with an Annual Inspection and found to be in airworthy condition.
 Details are on file under work order number **5371**

Signed:

Michael W. Ripley

Date: **10-16-09**

| DATE 19__ | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES) |
|--------------|---------------------------|------------------|-----------------------------|--|
|--------------|---------------------------|------------------|-----------------------------|--|

MAKE: Mooney
 MODEL: M20F
 S/N: 680089
 REG. NO: N3537N
 WORK ORDER:
 1488-10-2010

Don Maxwell Aviation Services, Inc.

390 Central Road
 Longview, Tx 75603
 Phone: 903-643-9902

DATE: 10/19/2010
 A/C TSN: 3439.68
 TACH: 3439.68

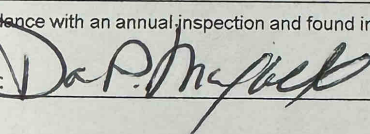
Airframe Entries

(1) Operational flight check of external lights, panel lights, avionics, Pitot/Stall horn, flight controls & rigging, magneto's, engine controls, instrument readings,... (2) Annual inspection completed this date IAW the scope & detail of FAR43, Appendix D, Mooney Service & Maintenance manual & appropriate factory service instructions. Inspect for fuel tank leak, Grease & lube landing gear, check gear operation & emergency extension. Inspect landing gear & shock disc for condition & damage. Service gascolator with new gaskets & seals. Service tires, brakes & wheel bearings. Service battery & hydraulic system. Grease aircraft and service heim bearings with tri-flow. Service central vacuum & garter filter. Inspect aft trim system.... (5) AD 73-21-01 Part (A) by lubrication of all flight control systems and landing gear system rod end bearings with silicone spray lubricant Part (C) Landing gear retract test & rigging.... (6) C/W AD 76-12-07 by operations check IAW par. a,b,c,d... (7) Complied with AD77-17-04 Control Wheel Shaft by inspection.... (8) N/AAD85-24-03 Fuel Cap O-Rings not applicable, Bladders installed... (9) AD 2004-25-04 O&N Fuel Bladders PCW 06/98... (13) FAR 91.411 & 91.413 next due 10-31-2010... (14) Check ELT battery date 12/11 and check operation per FAR91.207D... (15) Installed new brake linings 066-10500 L & R brake... (16) Installed new Main gear Condor tire 072-314-0 R/main... (17) Reinstalled front engine baffling due to rubbing flywheel

I certify this aircraft has been inspected in accordance with an annual inspection and found in an airworthy condition. Don Maxwell A&P 1784050 IA

DATE: 10/19/2010

SIGNED:



Work Order: 1488-10-2010

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ALTIMETER AND MODE C VERIFICATION

| ALTIMETER | | |
|-----------|-------|-------------|
| Altitude | Error | (Tolerance) |
| -1000 | -10 | (20 ft+/-) |
| 0 | -5 | (20 ft+/-) |
| 500 | -5 | (20 ft+/-) |
| 1,500 | 0 | (25 ft+/-) |
| 2,000 | -10 | (30 ft+/-) |
| 3,000 | +5 | (30 ft+/-) |
| 4,000 | +5 | (35 ft+/-) |
| 5,000 | 0 | (35 ft+/-) |
| 6,000 | 0 | (40 ft+/-) |
| 8,000 | +5 | (60 ft+/-) |
| 10,000 | +20 | (80 ft+/-) |
| 12,000 | +60 | (90 ft+/-) |
| 14,000 | +90 | (100 ft+/-) |
| 16,000 | +100 | (110 ft+/-) |
| 18,000 | +90 | (120 ft+/-) |
| 20,000 | / | (130 ft+/-) |
| 22,000 | / | (140 ft+/-) |
| 25,000 | / | (155 ft+/-) |
| 30,000 | / | (180 ft+/-) |

N# N/3537N Work Order: 110091 Date: 10/12/91
 Transponder: Mfg. King Model KT 76 Serial No. 77382
 Altimeter: Mfg. United Model JA 7211 Serial No. A1887
 Encoder: Mfg. TCL Model SSD120 Serial No. 13614

| MODE C OUTPUT | | | |
|---------------|--------|---------|--------|
| Desired | Actual | Desired | Actual |
| 0 | 0 | 12,000 | 12000 |
| 1,000 | 1000 | 14,000 | 14000 |
| 2,000 | 2000 | 15,000 | 15000 |
| 3,000 | 3000 | 16,000 | 16000 |
| 4,000 | 4000 | 18,000 | 18000 |
| 5,000 | 5000 | 20,000 | / |
| 6,000 | 6000 | 22,000 | / |
| 8,000 | 8000 | 25,000 | / |
| 10,000 | 10000 | 30,000 | / |

| HYSTERSIS TEST | | |
|-----------------------|---------------|--------------|
| Forty Percent: | <u>+40</u> | (75 ft+/-) |
| Fifty Percent: | <u>+5</u> | (75 ft+/-) |
| After Effect Leakage: | <u>0 / 36</u> | (100 ft/min) |

I certify that the transponder described above has been tested and inspected as required by FAR 91.413 and has met the requirements of FAR 43, Appendix F. The altimeter or encoder was tested and inspected as required by FAR 91.411 and meets the requirements of FAR 43, Appendix E. All systems tested to: 18,000 feet.

Signed: Glenn McMill
 Freeway Airport Inc., 3900 Church Road, Mitchellville, MD 20721
 Certified Repair Station #FK8R141Q

NS
 BER O
 NTRIES



Freeway Airport, Inc.
3900 Church Road, Mitchellville, MD 20721
CRS #FK8R141Q

Date: 10/14/2011; Aircraft: N3537N; Type: Mooney M20F; S/N: 680089; Tach: 3514.93; Total Time: 3514.93; Engine - Type: IO-360-A1A, S/N: RL-1442-51A, Time: 3514.93, SMOH: 1517.57; Prop - Type: HC-C2YK-1BF/F7666A-2, S/N: CH40591B, Time: 469.83, SMOH: 469.83

Shop Order #: W00-110091

1. Checked ELT in accordance with FAR 91.207(d), replaced battery with new BP-1010, ELT battery due again DEC 2013.
2. Installed new stall warning micro switch, Part number V3-2, ops check OK
3. Re-torqued LH outboard fuel transmitter gasket screws.
4. Installed Whelen PLED461L Rev:C 889 , Part number 01-0790623-10 Serial number 00546 LED landing light.
5. Replaced left nav light assembly with serviceable grimes model E base , new Whelen 19-150002-009 lens retainer, new 7512-12 lamp, new Whelen 1284R lens, and Whelen W1283 gasket.
6. Serviced air filter I/A/W Challenger instructions for continued airworthiness. Due again 100 hr's.
7. C/W AD 73-21-01 Flight control and landing gear I/A/W Par A and C. Due again 12 months or 100hr's.
8. Airworthiness Directives checked thru biweekly 2011-20
9. Aircraft Ground Run and Flight Test Checks OK

I certify that this Airframe has been repaired and inspection in accordance with an Annual Inspection, and is found to be in an airworthy condition. Pertinent details are on file under this work order.

Signed:

Christopher A. Gibson

Christopher A. Gibson

Date:

10-14-2011

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

| DATE | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS |
|----------------|---------------------|---------------|-----------------------|---|
| 19 | | | | N3537N 11-14-11 Tach 3525.7 Repaired manifold pressure line at gage. Douglas R. Kitze IA 1516937 |
| | | | | N3537N 11-25-11 Tach 3528.1 Replaced alternator and regulator. Alternator p/n 015-01237 s/n off 7048 s/n on 12971. Regulator p/n 625-61623 s/n off 8704 s/n on 15060. Douglas R. Kitze IA 1516937 |
| August 17 2012 | 3567 | | 3567 | Replaced BATTERY with new RG35A Janet Jones DTPIS 13474 |