

N5509Q

Starts 1992
ends 2014

AIRCRAFT LOG

AF5-1

F.A.R. 43.9

~~Date Oct. 3, 1980 Tech~~
11/13/92 2328.0 Tech, I Certify that this Aircraft has
been Inspected in Accordance with A Annual Inspection
and was determined to Be in Airworthy Condition.
AD Conformity Check Through 91-26.
John Neary (A & P) 156523327 (FA)

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
1/13/92	2328.0	Tach — Re sealed Both Fuel Tanks Replaced Hydraulic Flap hoses, Replaced Propeller Gov. Oil line per AD. with flexible Hose, AD. 90-04-06-R1/Installed New Brake Discs PN 154-009 Cleveland, Installed All New Tires & Tubes — Replaced wing Tank Drain Valves, Replaced Main Gasculator Screen.	
		<i>[Signature]</i> (ADP) 156523327 (TD)	
9-14-92	2328.0	Install ELT BATT new DATA 7-94 With M. Frade Part 154501024.	
9-14-92	2328.0	Install new Horizon Type 5000 4287381 With M. Frade Part 154501024	

MAINTENANCE RECORD

F.A.R. 43.9

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9-14-92	tt 2328.0	Replace overhead wet compressor with a vertical cond compressor same location - no change in weight or balance as per FAR 21 - ✓ letter to approve AWP 154501024	
TSO C7C TYPE 1			
9-14-92	tt 2328.0	installed STC SA 4443 NM wing root leading edge fairing as per instruction and Drawings Report No. 108 and methods per AC 43.13-1A part 9 sec 9 + sec 9 sub 1. ✓ letter to approve AWP 154501024	
9-14-92	tt 2328.0	installed STC SA 4332 SW one PC windshield installation in accordance with with instruction and Drawing List no. 37000 and methods per AC 43.13-1A per 377 sec a through f. ✓ letter to approve AWP 154501024	

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
9-19-92	2328.0	install new instrument panels and mounts cut new locations for new instrument and radio stack. Victor E. Londe WAF 15450 1024	
9-19-92	2328.0	install 5001 suction Gauge, Horizon Gyro Edo 5000, Directional Gyro, ind. tell tale Radiosacks and maintenance items, install King KX-170 B NAV/COM, King K/W-75 GS receiver, King KI-209 indicator, King KX-170 NAV COM, King KI-208 indicator, Collins AUP -250 audio panel, King KR-86 ADF, King KA-42B SENS/LOG ANT. King KR-21 MKB RECEIVER, King KT-76A Transponder, IL morrow 618C Loran-C & Antenna, IL morrow 428-2003 ALTITUDE encoder, Sigtronics SPA-400 intercom NEXT PAGE →	

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9/76/92	2330	Oil Change Drained oil thoroughly after two hours SMOA. Removed oil filter and cleaned and inspected engine and base for leaks. Replaced oil filter with champion CHF1110 and safety wire. Installed 8 quarts of Amalull SAE 80W mineral oil.	
		Garner - Ground Guard	
10/10/92	TACH 2340	Replaced rod end & 2 Bushings in nose gear. Also tightened bolts.	
		Terrell - Willett	
		ATP OIS-44 5443	

STC
Part
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M

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
10/15/92		Aircraft interior - Installed all new panels soundproofing panels with closed cell foam. All seats were recovered, new panels (side) were cut and new carpet installed. All materials are Aircraft approved upholstery for replacement. Work performed at Jones Aircraft Upholstery at Caldwell Airport, N.J. Owner: Bruce Blagum	

10/20/92	234015 hrs	Oil Change - 13 hrs. SMOA. Drained oil and removed oil filter. Installed new Champion CH81110 oil filter and safely used. Installed 8 qts of Amsoil SAE 50 mineral oil. Cleaned engine and engine compartment from engine to normal temperature. Checked for leaks. Owner: Bruce Blagum	
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STC No. NA

Part Name PAN

Part Number KG10035-501

Eligible for installation on

Mooney 20 Airplane

Make Model Product

KINZIE INDUSTRIES, INC.

P.O. BOX 847
ALVA, OKLA 73717

FAA PMA APPROVED

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
		Date 11/23/92 — Tach 2340.20 — Replaced Instrument panel to updated current Production Standards. <u>SEE FORM, 337 This Date.</u> <u>John May Jr (A&P) 156523327</u>	
		JANUARY 2, 1993 TACH READING 2340.20. I HAVE INSPECTED THIS AIRCRAFT AND FOUND IT AIRWORTHY FOR FLIGHT FROM SKY MANOR AIRPORT TO SUSSEX AIRPORT N.J. <u>Raymond E. Russell A&P 1952996</u>	

MAINTENANCE RECORD

F.A.R. 43.9

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Date 6/4/93 — Tach 2340.43

I Certify that this Aircraft has Been Inspected in accordance with A Annual Inspection and was determined to be in Airworthy Condition.

Installed Avionics cooling fan, See 337 This Date. Also See 2 additional 337's for Instrument Panel Change & Layout.

John H. Hagg (ATP) 156523327 (TD)

7/12/93

Oil Change —

Tach 2358.40. 31 hours SMOH. Drained oil and removed oil filter. The oil filter element showed no metal particles. Installed a Champion CH81110 oil filter and safely covered. Added 8 quarts of Aeroshell mineral 100W oil. Ran engine to check for leaks. Closed engine compartment and lubricated lubricators. See final check

099-HZ-8781

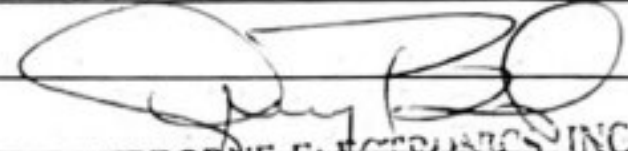
MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
12/21/93	Tails 237353	Oil Change — 50 hours SMOT. Drained oil and removed filter opened filter and did not find metal material in paper element. Replaced oil filter with same C# 81110 and safely wired. Replaced oil with Phillips 66 mineral multi-viscosity 20-50W. The different oil was used due to severe weather being experienced and a multi viscosity would be less stressful to a heavy weight aircraft oil. Cleaned engine and lubricated all linkages. For engine and did not find any leaks. Owner: <i>James E. Allen</i> 94H2-905	—

INSPECTION RECORD

F.A.R. 43.11-91.409

CE DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
4/1/94	TACH 2375 HRS.	INSTALLED BRITAIN ACCUTRAK P-11. SEE 332 FOR DETAILS, WTR BAL MODIFIED TO REFLECT CHANGE,
		 AIRBORNE ELECTRONICS, INC. CRS BI 1R035K
4/7/94	TACH 2375 HRS	CHECK GLIDESLOPE - FOUND KI-709 METER DEFECTIVE ON G/S UP/DN, REINSTALL + PLACARD 'G/S INOP', REPAIR MISSING GROUND ON #2 LOC SYSTEM AT PIN 19 OF #2 KK-120B. GYS OPS CHECK, INSTALLED MISSING GND ON LOOP CABLE CONNECTOR + MISSING RETAINING SCREW, CHECK OK SEE WO# 3294 TNG STATION
		 AIRBORNE ELECTRONICS, INC. CRS BI 1R035K

INSPECTION RECORD

F.A.R. 43.11-91.409

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7-23-94	2387.35	I certify that this airframe has been inspected in accordance with an annual inspection, and has been determined to be in an airworthy condition. Compared with A.D. 73-21-01 I/A/W A.D. complied with A.D. 75-09-08. By inspection, found satisfactory. A.D. 77-17-04. Due at tach 2827.36. complied with A.D. 76-07-12. Bender ignition switch, found satisfactory. R+R EIT Battery due to found out of date. Due August 96. Removed all wheels + repacked bearings. Performed gear retraction test, found all systems satisfactory. RHR Garter filter. All A.D.'s thru 94-13 checked + complied with. Aircraft approved for return to service. Michael Roab AHP 2047292JA End

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
10/19/94	Tails 2359.14	— Oil Change — Drained engine oil after running engine for 15 minutes. Removed oil filter and cut it open for inspection. Filter paper element was clean and no metal particles were found. Replaced oil filter with same C118110 and safety wired. Replaced oil with 8 quarts of Aeroshell 15-50 w. Used engine and ran engine. No leaks were found. Inflated both tires to 20 lbs — End <i>James H. Gunn</i> 99429785.

INSPECTION RECORD

F.A.R. 43.11-91.409

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INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
8-24-95	2440.85	I certify that this airframe has been inspected in accordance with an annual inspection, and has been determined to be in an airworthy condition. R+R Right hand gear door Rod End due to old Rod End frozen + bent. performed gear retraction test, found all systems satisfactory. R+R air filter. R+R Carter filter. Reattached Both defroster hoses. Adjusted OW Vacuum at Regulator. Removed checked & reinstalled ELT IFA/W 91.207. FAR. C/W A.D. 73-21-01 By inspection and lubrication, found satisfactory. C/W A.D. 75-09-08 Engine Mount, by inspection with 10x Magnifying glass, found satisfactory. C/W A.D. 93-05-02 Air filter Backing, found satisfactory. C/W A.D. 76-07-12 Ignition Switch. Manually checked all positions, found

INSPECTION RECORD

F.A.R. 43.11-91.409

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8-24-95	2440.85	Satisfactory. A.D. 77-17-04 control yoke inspection, due at TACH 2827.26. all lamps checked found satisfactory. all A.D.'s through 95-17 checked & complied with. aircraft approved for return to Service. Michael Nash ATP 2047292 IA -----End-----
8-28-95	2444.72	R+R land A/C Retractable Step Servo Seal, due to hole found, in old Seal, and Step not Retracting. R+R Both Fuel cap Seals part # M829513-338, AND M829513-010 on left + right fuel caps. R+R Both instrument gyro filters Part # 123-002-001. R+R Nose gear Steering Rod end pin 914021-013 and Both Bolts, due to discrepancy of nose wheel shimmy. aircraft approved for return to service. Michael Nash ATP 2047292 -----End-----

INSPECTION RECORD

F.A.R. 43.11-91.409

AIRCRAFT TIME SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
to Sigma. Tex	0 Installed Brackett air filter at this time, see 337 Form this date. NO weight and Balance change, aircraft Approved for return to service. Michael Raab AIP 2047292 End
N. it 159.43	Alt Directional Gyro due to old Directional Gyro not able to turn and installed New D.G. Model 4000-30 SN T43039E. Test Run A/C all systems found satisfactory. Aircraft Approved for return to service. Michael Raab AIP 2047292 End

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERTIFYING OFFICER PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
6-29-96	2480.77	R+R Voltage Regulator Due to changing System not charging Battery. Troubleshoot System, Found voltage Regulator snap. installed VR300 Series by Electrodelta. Test Run Engine found system charging. Performed installation of flap gap seals, See 337 this Date. aircraft approved for return to service. Michael Park AIP 2047292IA 1 ————— end —————
8-1-96	2482.9	The ATC transponder tests and inspections required by FAR 91.413 were performed this date and found to comply with FAR 43, Appendix F. Details are on file at this repair station under W.O. No. <u>9664</u> Make/Model <u>VT76A</u> Ser. No. <u>42392</u> Date <u>8-1-96</u> Signed <u>Sean Neely</u> C & W AERO SERVICES INC. CRS NO. HX102004

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
9-1-96	2498.29	I certify that this airframe has been inspected in accordance with an annual inspection, and has been determined to be in an airworthy condition. Performed gear retraction found satisfactory. c/w A.D. 73-21-01 Landing gear inspection + lubed IAW A.D. Found satisfactory c/w A.D. 76-07-12 Bendix ignition switch, Manually checked all positions, found satisfactory. c/w A.D. 75-09-08 Engine Mount, inspected Mount IAW S.B. Found satisfactory. c/w A.D. 96-09-06 Brachett air filter. (supersedes 95-03-02). Visually inspect Seal for deterioration, found satisfactory. Inspection due Each 100 HRS up to 500 HRS, then Filter Assembly to be changed. R+R Elt Battery, now due 10-98. c/w F.A.R. 91.207, Elt tests + inspection, found Satisfactory. lubed all controls. checked all found satisfactory. All A.D.'s thru 96-19 checked + complied with. Aircraft approved for return to service. Michael Raab IA 204729 End

INSPECTION RECORD

F.A.R. 43.11-91.409

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12/12/96	Tach 2535.76	remove Loran for update, clean fuel screen change locks on doors, replace cam lock on coal doors replace G 35 battery, Rgl Walter #P560332651 RAY WALKER AVIATION
2/5/97	Tach 2541.41	install new slick mats LH on RH with new ignition harness & install new plugs. re-install Loran updated yellow tag, C/W SB M 20-217 rear spar mod, install 4 new rod ends on flap control arms install coal closure fairing in accordance with STC #SA4535NM new weight & Distance computed & 337 Form filed this date, install landing light lens. install new rod end on rudder control Rgl Walter #P560332681 RAY WALKER AVIATION Co

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE

AIRCRAFT TIME
IN SERVICE

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

18 FEB 97 TACH 2544.9 GENERAL MAINTENANCE: R&R ALL SHOCK DISCS,
PC BOOT, NLG LWR TRUSS LEG.; REPAIRED
HEATER SYS, RESEALED RH INBD FUEL TANK,
REPLACED SHOCK LINK & BUSHING.

This ~~aircraft and/or component~~ was
repaired and inspected in accordance
with current Federal Air Regulations and
was found to be airworthy for return to
service. W.O. 97-29

Gino Ferrario

Pertinent details of the repair/work are on
file at this repair station in Work Order **97-29**

F.A.A. APPROVED REPAIR STATION NT3R722L

LAKE AERO STYLING & REPAIR

LAMPSON FIELD - P.O. BOX 545

LAKEPORT, CA 95453 - (707) 263-0412

AIRCRAFT LOGBOOK INSERT - N55090

A.A.K. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
3/3/97	2547.74	TT 2547.74 remove inspection plate take all controls C/w AD 73-21-01 C/w 75-0948 by inspection 77-17-04 Dec 2827.25 AD 85-24-03 C/w 76-07-12 C/w by operation. retract gear & ch OK clean fuel screens, install new air filter, ch all lights I certify that this aircraft has been inspected IAW an annual inspection and was determined to be in airworthy condition Ray Walker AP560332681 IA RAY WALKER AVIATION
5/29/97	2592.74	TT 2592.74 replace brake pads on both mains, spray ACF-50 in both wings & tail section, tighten control runs horn. tighten vacuum gauges Ray Walker AP560332681
4/2/97	2637.62	replace left & nose tires with new & rotate R H main tires. remove DG for QH sensor tach for new. put heli coil in tie down rings, adjust rear seat belts. Ray Walker AP560332681 RAY WALKER AVIATION CO.

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
9/10/97	2637.26	install new tach cone tach readings install OH 06 test OK Rylee AB60332681
1/30/98	2650.8	install OH remote gyro for auto pitot & ground test OK adjust Vacuum regulator Rylee AB60332681
7/4/98	2655.2 TT 2655.2	ANNUAL INSPECTION - lube all controls, ch ADs, grease wheel bearings C/UA073-21-01, 75-09-08, 76-07-02, retract gear ch OK & certify that this aircraft has been inspected IAW an annual inspection and was determined to be in airworthy condition Rylee AB60332681 IA
4/4/98	2655.2	inspected ELT IAW FAR 91.207 per Do. replace Rocker on front of nose wheel retract rods & replace Rocker on LH nose gear door Rylee AB60332681 IA
ELT Oct 98		

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE

AIRCRAFT TIME
IN SERVICEKIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICEGeneral Aviation Manitenance
Custom Engine Rebuilding
Consulting2502 John Montgomery Drive
San Jose Ca. 95148
(408) 272-0245

April 28, 1998

W.O.: 8040102

Installed a new Insight Instrument Corporation Graphic Engine Monitor (G. E. M.)
System Model 602-4 S/N 10000 in accordance with Insight Instrument Corporation
(I.I.C.) manual "Installing the G.E.M. " Drawing 8258 version 2.2 4/15/94 for
Supplemental Type Certificate Number SA157NE see 337 dated 4-28-98. Updated
Weight and Balance / Equipment List.

John B. Godwin, Jr.
A&P 1795278

8/29/98

2662.6

INSTALLED AVIATION DEVELOPMENT CORPORATION CHIP
DETECTOR UNIT IN ACCORDANCE WITH STC #SA00238SE
MANUFACTURES INSTALLATION REPORT #ICD10 (5/1/95), AND
AC4313. THE WEIGHT OF THE CHIP DETECTOR KIT IS
NEGLEGABLE AND DOES NOT EFFECT THE WEIGHT &
BALANCE OF THE AIRCRAFT. INSTALLED AIRPLANE FLIGHT
MANUAL SUPPLEMENT.

Ray M. Zuber IA552705251

AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
AP/99 2673.9 <i>Stephens</i>	REMOVED AND REPLACED LEFT AND RIGHT MAIN TIRES AND TUBES WITH GOODYEAR FLIGHT CUSTOM II - 600.6 - 8 ply. SET AIR PRESSURE AT 34 Lbs <i>Hol Stephens 1672589 CFI</i>
4/28/99 2678.2	INSTALLED NEW GILL-G 35 BATTERY (S/N 401807607) <i>Hol Stephens 1672389 CFI</i>
5/2/99 2678.2	ELT BATTERY REPLACED - NOW DUE JUNE 2001 C/W FAR 91.207, ELT TESTS + INSPECTION - FOUND TO BE SATISFACTORY. <i>Reliable #560332681 IA</i>
5/15/99 2678.2	Lube all controls, retract gear test OK C/w AD 98-24-11 per SB M20-264 replace links with reinforced links P# LA-730005-1 + LA730006-000 AD no longer applies. I certify that this aircraft has been inspected IAV on annual inspection and was determined to be in airworthy condition <i>Reliable #560332681 IA</i>



ARTEX AIRCRAFT SUPPLIES INC.
10714 S. Township Rd. - Carby CA
(503) 266-3959 800-541-1111

LOG BOOK ENTRY

MAY 2, 1999

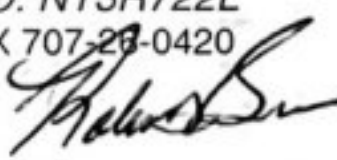
ELT BATTERY

REPLACEMENT DATE

JUNE 2001

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
		9 DEC 1999 TACH 2710.8 R&R WINDSHIELD, OAT PROBE; REPAIRED CABIN HEAT SYSTEM; STROBED ENGINE/TACH- READS LOW; WIRED BATTERY FOR TRICKLE CHARGER; CLEANED GEAR WARNING SWITCH; GENERAL MAINTENANCE. I certify this AIRCRAFT component was repaired and inspected in accordance with current Federal Aviation Regulations And was found to be airworthy for return to service. Pertinent details of the repair/work are on file at this Repair station in Work Order 99-250. LAKE AERO STYLING AND REPAIR, FAA REPAIR STATION NO. NT3R722L 4725 Highland Springs Rd, Lakeport CA 95453-9775, 707-263-0412, FAX 707-263-0420 
5/20/00	2724.5	C/W AB 73-21-01, 75-09-08, 76-07-12 I certify that this aircraft has been inspected IFA an annual inspection and was determined to be in airworthy condition R/S/AB AT 560332681FA
4/18/01	2769.3	REPLACED AIRCRAFT BATTERY W/ NEW GILL 35 S/N 601966570 JPL Stephens

INSPECTION RECORD

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5/19/01	2770.5	install new brakes, clean fuel screens I certify that the aircraft has been inspected IAW an annual inspection and was determined to be in airworthy condition R. L. Allen #560332681 IA
5/19/01	2770.5	inspected E.L.T. IAW FAR 91.207 per O R. L. Allen #560332681 IA



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

LOG BOOK ENTRY

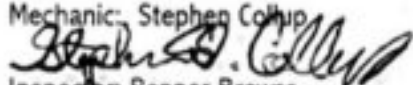
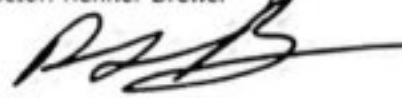
E.L.T. BATTERY REPLACEMENT DATE July 2003

E.L.T.

Replace Battery Before JUL 2003

INSPECTION RECORD

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		AIRFRAME LOG
		N5509Q Tach: 2799.6
		May 3, 2002
		- Removed Northstar ^{Apollo} Loran from panel and installed new Apollo 360 Map GPS in direct exchange tray. Installed in accordance with Apollo installation instructions PN 560-0124-01 RevB. Installed with new AeroAntenna Technology GPS antenna with new coaxial cable. Ops tested normal. - Installed new battery ground cable, customer supplied. - Repaired fuel strainer by re-installation of "D" ring attach handle and cleaning of strainer
		All work performed in accordance with manufacturers maintenance manuals.
		Mechanic: Stephen Colup  Inspector: Renner Brewer 
		EXECUTIVE AIR REPAIR  COMPLETE AIRCRAFT REPAIR & RESTORATION CRS#C54D419N Executive Air Repair 6273 Freeport Blvd. Sacramento, CA 95822

LAKE AERO STYLING & REPAIR

4725 Highland Springs Rd.
Lakeport, CA 95453 — Phone (707) 263-0412
F.A.A. Approved Repair Station #NT3R722L

SERVICEABLE

CUSTOMER

T.S.O.

P.O. NO. 730048-503

DATE 06-04-02

UNIT NAME Tube Assy.

TYPE Mooney

A-C or ENG. NO.

SERIAL NO. 03-28

TIME IN SERVICE Unk

TYPE OF

SERVICE

Cleaned, Inspected

MECHANIC

14 JUN 2002 TACH 2800.5 TT 2800.5 ANNUAL INSPECTION: **ELT BATT EXPIRES 07-03**, TESTED PER FAR 91.207d; R&R INST FILTER, IGN SW (WHITE DOT), RAT SOCKS, FLAP LEVER, GEAR HANDLE; CMV AD'S 85-24-03(b) REPLACED O-RINGS, 76-07-12R1 NO LONGER APPLIES, 98-14-03 NA BY S/N 42392, 73-21-01 BY LUBE & INSP, 77-14-04 OK BY INSP; ALSO SEE ENG LOGS; GENERAL & ELECT MAINTENANCE.

I certify that this AIRCRAFT has been checked in accordance with an ANNUAL INSPECTION and was determined to be in airworthy condition. Pertinent details of the work are on file in WO.02-137
LAKE AERO STYLING & REPAIR, FAA REPAIR STATION NO. NT3R722L MAINTENANCE
4725 HIGHLAND SPRINGS RD, LAKEPORT CA 95453, 707-263-0412, FAX 707-263-0420

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE

AIRCRAFT TIME
IN SERVICE

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE.

06 SEPT 2002 TACH 2813.4 ADJUSTED FUEL GASCOLATOR TO SHUT OFF AFTER DRAINING;
REPLACED COMPASS MOUNT SCREW; TIGHTENED ELT SWITCH ON L/H PANEL; GENERAL
MAINTENANCE.

I certify that this COMPONENT has been inspected in accordance with current Regulations and was determined
to be in an airworthy condition. Pertinent details of the repair/work are on file at this repair station in Work Order 02-194.
LAKE AERO STYLING AND REPAIR, FAA REPAIR STATION NO. NT3R722L
4725 Highland Springs Rd, Lakeport CA 95453-9775, 707-263-0412, FAX 707-263-0420

07 FEB 2003 TACH 2839.9 REPLACED STROBE POWER SUPPLY, OPS CK NORMAL; INSTALLED
LAP/SHOULDER BELTS IN ACCORDANCE WITH MOONEY DRAWING No. 940044 UNDER TC 2A3;
LUBRICATED HEATER CONTROL CABLE; CHECKED TIRE PRESSURE AND SERVICED TIRES;
TIGHTENED LOOSE WIRE FOR TXPR POWER FEED WIRE; REGLUED YOKE PLASTIC; GENERAL
MAINTENANCE.

I certify that this COMPONENT has been inspected in accordance with current Regulations and was determined
to be in an airworthy condition. Pertinent details of the repair/work are on file at this repair station in Work Order 03-39.
LAKE AERO STYLING AND REPAIR, FAA REPAIR STATION NO. NT3R722L
4725 Highland Springs Rd, Lakeport CA 95453-9775, 707-263-0412, FAX 707-263-0420

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
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16 JUL 2003 TACH 2854.3 TT 2854.3 ANNUAL INSPECTION; ELT BATT EXPIRES **07-05**, TESTED PER FAR 91.207d; R&R VAC FILTER, ELT W/AK-450 (TSO-C91a), COPILOTS SEAT BACK, LNDG GEAR DOWN LATCH CASTING P/N LA-560006-003, BAGGAGE DOOR HANDLE, LH MLG DOOR ATTACH HARDWARE, BRAKE PADS, NLG BRNGS/RACES, REQ'D PLACARDS, NLG PIANO HINGE; ADJUSTED ENCODER & RECERTIFIED TO 18,000, C/W AD'S 85-24-03(b) REPLACED O-RINGS, 73-21-01BY LUBE & INSP, 77-17-04 DUE @ 2900.5, MOONEY SB M20-088-002, GENERAL MAINTENANCE.

I certify that this AIRCRAFT has been checked in accordance with an ANNUAL INSPECTION and was determined to be in an AIRWORTHY condition. Pertinent details of the work are on file in WO.03-167.

LAKE AERO STYLING & REPAIR, FAA REPAIR STATION NO. NT3R722L
4725 HIGHLAND SPRINGS RD, LAKEPORT CA 95453, 707-263-0412, FAX 707-263-0420



10/4/03 Replaced Battery - Installed New G-35 S/N 602408491 S/S H. STOPPERS 1642080000

MAKE: MOONEY
 MODEL: M20C
 S/N: 2943
 REG. NO: N5509Q
 WORK ORDER:
 115-03-2004

 **Lake Aero Styling & Repair**

Repair Station No. NT3R722L
 4725 Highland Springs Road
 Lakeport, CA 95453
 Phone: 707-263-0412

DATE: 03/03/04

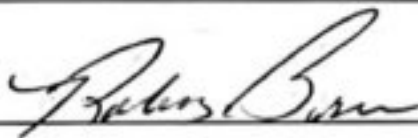
A/C TSN:
 TACH:

2896.7

Airframe Entries

(1) Found ignition switch to be defective, replaced with new switch. Ops check normal. New switch has white dot on the back so AD 76-07-12R1 no longer applies to this A/C.

DATE: 3-3-04 SIGNED:



Work Order: 115-03-2004

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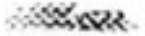
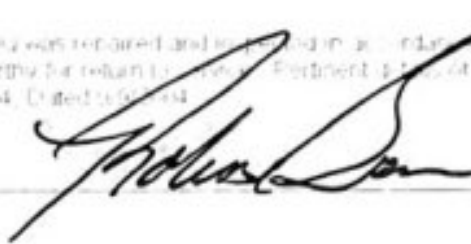
INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
		Date: <i>5/14/04</i> N <i>5509 Q</i> Aircraft stripped and repainted. Controls surfaces removed and checked for balance in accordance with manufactures service manual. Control surfaces reinstalled. <i>Walter Brown</i> Walter Brown 441480417A&P
		<i>ALUMINUM GRIP F 8024 MATTERHORN WH.</i>
		<i>" F 5010 BLUE</i>
		<i>" F 9172 GOLD</i>
		<i>" F 7242 RED</i>
<i>8/13/04</i>	<i>2935.4</i>	<i>TT 2935.4 libed all controls chADS c/w 76-07-12, 73-21-01</i> <i>I certified that this aircraft has been inspected IAW an annual inspection and was determined to be in airworthy condition</i> <i>R. G. Allen AP560332687 IA</i>
<i>8/13/04</i>	<i>2935.4</i>	<i>TT 2935.4 inspected by IAW FAR 91.207 para B</i> <i>R. G. Allen AP560332687 IA</i>

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
1/9/04	2938.8	 Lake Aero Styling & Repair Repair Station No. 60387-01 4715 Highland Springs Road Airport, GA 30421 Phone 707-761-0412 GENERATOR DATE 09/03/04 AP. TSN TACH 2938.8 Airframe Entries (1) Replaced generator bench tested w/ multimeter found generator in the defective, replaced w/ overhauled generator, P/N 110915, and 11363, logs check normal. (2) Replaced fuel to heater hose. Maintenance Remarks The air-rat and/or component(s) on which was repaired and is provided in accordance with correct check rules of the Federal Aviation Regulations, and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 307104-004. Dated 09/03/04. DATE 09/03/04 SIGNED:  John D. Smith Airframe Repair Station No. 60387-01-004 Printed on EHS 3 (10/01/00) 5g (1.0)

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
8/19/05	2973.0	

MAKE MOONEY
MODEL M20C
S/N 2943
REG NO 5509Q
WORK ORDER
548-03-2005



Lake Aero Styling & Repair

Repair Station No NT3R722L
4725 Highland Springs Road
Lakeport, CA 95453
Phone 707-263-0412

DATE 8/19/2005
A/C TSN
TACH 2973

Airframe Entries

(1) Removed, resealed flap actuator, reinstalled, bled system and ops/leak normal.... (3) Checked tire pressure, checked good. General look-over okay, no discrepancies noted.... (4) Installed Challenger air filter assy.... (5) Installed new fuel cap o-rings... (6) Installed new J-bar boot.... (7) Tighten up post light on T/B.... (8) Replaced carbon monoxide sensor.... (9) Installed pilots and copilots kick panels.... (10) Replaced numerous placards on panel and switches with same verbage with standard font.... (11) Replaced both L/H & R/H brake pads.... (12) Installed new flush valve in L/H wing.... (15) Retaped step boot. Ons check normal

CHALLENGER
AIR FILTER

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
8/26/05	2975.6	Holds 2975.6 C/W AR 77-17-04 due to 3227. Also 76-07-12A1 C/W 73-21-01. I certify that this aircraft has been inspected by IPW an annual inspector and was determined to be in airworthy condition. Releaser AR 560 3326815A
8/26/05	2975.6	Holds 2975.6 Inspect EBT IAW FAR 91.207 Para D Releaser

MAKE MOONEY
MODEL M20C
S/N 2943
REG NO N5509Q
WORK ORDER
971-06-2006

Lake Aero Styling & Repair

Repair Station No NT3R722L
900 F Sky Park Drive
Lakeport, CA 95453
Phone: 707-263-0412

DATE 6/16/2006
A/C TSN
TACH 2998.5

Airframe Entries

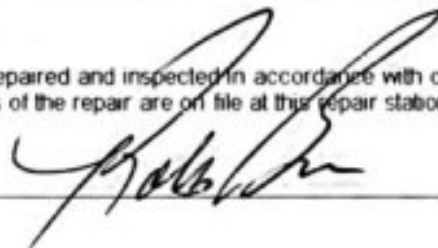
(1) Replaced flap pump assembly. Adjusted retract time, checks normal. (2) Installed new tires and tubes, customer supplied. Cleaned and repacked wheel bearings, all checked good.

Maintenance Release

The aircraft and/or component(s) on N5509Q was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 971-06-2006, Dated 6/16/2006.

DATE: 6/16/2006

SIGNED:



Work Order: 971-06-2006

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7/6/06	3000.30	Replaced Battery - Installed NEW G-35 S/N 1672789CFII

INSPECTION RECORD

F.A.R. 43.11-91.409

[illegible]

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST	SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
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MAKE MOONEY
MODEL M20C
S/N 2943
REG NO 5509Q
WORK ORDER
1535-03-2008



Lake Aero Styling & Repair

Repair Station No. NT3R722L
900 F Sky Park Drive
Lakeport, CA 95453 USA
Phone 707-263-0412

DATE 3/28/2008
A/C TSN
TACH 3063 6

Airframe Entries

(1) Removed fuel selector from A/C. Disassembled fuel selector, cleaned and visually inspected. Installed new seals and gasket. Functional tested. Reinstalled fuel selector, leak and ops check normal. New placard installed for fuel selector. (3) Tightened tapered shaft bolt and set screw on pilots yoke. (4) Installed owner supplied MX 170 B and checked squelch operation with transmissions and reception. Radio operates normally. (5) Found steel mounting screws on compass mount, upper windshield trim screws and visor mounting nuts. Replaced w/ SS hardware. (7) Removed glare shield, readjusted suction gauge in panel and tightened retainer. Reinstalled glare shield. (9) Found door seal twisted and hitting door frame pushing door down causing upper latch to miss hook. Reglued door seal on place and trimmed door liner at upper latch. Door ops check normal. (10) Removed L/H upper outboard fuel access panel. Replaced wing fuel gauge float mechanism. Cleaned tank and fuel access panel, vacuumed out tank. Recoated fuel access panel, wing fuel gauge float mechanism and reinstalled fuel access panel. (11) Installed intercom jack nut. (12) C/W AD85-24 -03(b) by inspection and installing new o-rings. Next due @ 3163.6 hrs or next ANNUAL.

Maintenance Release

The aircraft and/or component(s) on 5509Q was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 1535-03-2008, Dated 3/28/2008.

DATE: 3/28/2008

SIGNED:

Work Order: 1535-03-2008

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9/26/08	3074.9	TI 3074.9. ch ADs 73-21-01, 75-09-08, 77-17-04 I certify that this aircraft has been inspected IAW an annual inspection and was determined to be in airworthy condition.
		By [Signature] AP 3280798IA
9/26/08	3074.9	inspected ELT IAW FAR 91.207 per D [Signature] AP 3280798IA

F.A.R. 43.11-91.409

[illegible]

INSPECTION RECORD

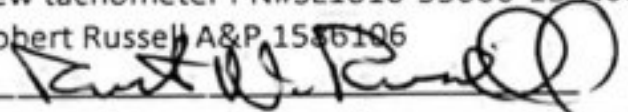
F A R 43 11 01 100

Mooney M20C Tach: 3141.3 AFTT: 3141.3

January 1st 2012

Repaired RH cylinder baffling. Replaced several tinnermans and screws. Re-sealed LH & RH lower inboard fuel cell panels using PN#PRC654-A2 & B2 Sealant. Cleaned and prepped corrosion found in belly section under baggage compartment, treated area with alodine and painted with zinc chromate primer. Fabricated and replaced landing gear handle boot. Tightened generator belt. Replaced felt seal on carb heat valve. Replaced sections of scat ducting in engine compartment. Replaced valve cover oil return line hoses. Repaired landing light terminal. Inspected and cleaned fuel strainer screen, no contaminants found. Resealed o-ring in fuel selector, operational checks satisfactory. C/W challenger ICA by recharging filter using K&N recharge kit. C/W FAR 91.207(D)1-4, operational checks satisfactory. ELT battery next due. Installed new Whelen strobe box PN#11-16218. Installed new tachometer PN#SL1010-55000-13-N00 S/N 0205.

Robert Russell A&P 1586106

X 

Reinstalled owner supplied carburetor heat box, per AC 23-37 OEM parts were unavailable. Replaced vacuum regulator filter PN#B3-5-1. Replaced RH inboard fuel sending unit gasket. Adjusted flap and trim indicator cables. Replaced Reinstalled wing leveler actuators after overhaul by Brittan industries WO#35120 & 35122. Installed overhauled dukes fuel boost pump PN# 1499-00-21 S/N 0236 see WO#W54603.

C/W AD 85-24-03(01/06/86) Fuel tank per paragraph (b) cap inspection Next Due January 2013.

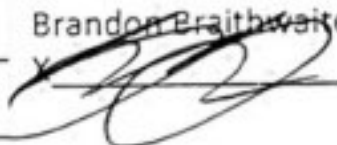
C/W AD 73-21-01(10/10/73) Flight control System per paragraph (a) all rod-end lubed, next due 100hrs. TIS.

AD 75-09-08(04/30/75) Tubular engine mount per paragraph (a) no defects noted, next due @ AFTT: 3327.25

AD 76-07-12 (08/30/77) Bendix igniton switch by operational checks, next due 100hrs TIS.

"I certify this aircraft has been inspected in accordance with an annual inspection per FAR 43 appendix "D" and has been determined to be in airworthy condition at this time."

Brandon Braithwaite A&P 3138817 IA

X  Jan 1, 2012

INSPECTION RECORD

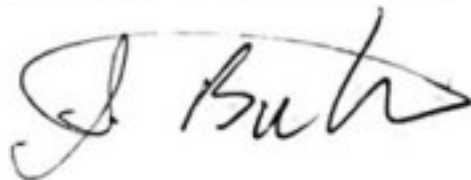
F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
3/27/12	3146.42	C/W AD 2012-05-09, in airway Revalbe AP 3280798
12/4/12	3163.0	inspected aircraft IAW an annual inspection and was determined to be in airworthy condition
		C/W ADs 76-07-12, 73-421-01, 85-2403 Revalbe AP 3280798 IA
12/4/12	3163.0	inspected IAW FAR 91-207 para d Revalbe AP 3280798

N 5509Q Tach 3173.9 05/10/2013

Installed new tube p/n 06-00755 and nose tire
p/n 072-312-0. Repacked nose wheel bearings.

S. Buter A569493227



5/24/2013

TACH 3173.9

Replace steering horn PN 720012-503
serial number 013113001 from lake aero.
Retract operation check ok.

A&P 3567195



INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
		June 13, 2013 N5509Q Tach 3174.0
		Install Fuel Pump PN#1499-00-21NV from Quality Aircraft Accessories serial number 3274. See form 8130-3. run up moc ok.
		A&P 3567195 
4/7/14	3187.4	LAO- 76-07-12, 73-21-01, 85-24-03 inspect aircraft IAW an annual inspection and was determined to be in airworthy condition Rgwalter AP3280798IA
	3187.4	inspect ELT IAW FAR 91.207 and Rgwalter AP3280798IA

INSTALLED EQUIPMENT

ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE	4/6/15 tech 3209 ch AD	77-17-01	R 76-07-12
ENGINE	TT 3209	73-21-01, 85-24-03, 201205-09	inspected
PROPELLER	2014-15-18 NA	inspected aircraft	FAW an annual inspection
PROPELLER		and was determined to be in airworthy condition - Bleeker	
ENGINE			AP3280798IA
ENGINE	4/6/15 tech 3209 inspected	FAW / FAR 91.207 para D	
PROPELLER	TT 3209	Bleeker	AP3280798
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			
ENGINE			
ENGINE			
PROPELLER			
PROPELLER			

HANGTOWN AVIATION
3501 AIRPORT RD
PLACERVILLE, CA 95667

ITE/

L NO.

ENG Make: M-20C

Tach: 3224.0

ENG S.N.: 2943

TTAF: 3224.0

PROI Reg Nu: N5509Q

Date: 2/11/2016

PROI ANNUAL INSPECTION. Repl'd MLG Tires, RH & LH with GoodYear 6:00X6 Tires.

ENGI Removed existing Generator. Installed new Air Power Alt Kit PN: SAL 12-70. Ref 337

ENGI dated 2/10/2016. Replaced two each Vacuum hoses behind inst panel. Insatlld new

PROI Brake Linings; PN: RA066-11100-4K on RH & LH Brake Assy's. Installed New O-Rings;

PROI PA: MS28775-326 on RH & LH Brake Calipers. Flushed Hyd Fluid from brakes; bled

PROI brakes. Removed RH & LH Mags for 500 hr Insp. Insp performed by A/C Electrical

ENGI Components; Ref Invoice 31383; 31384. Installed Mags and timed to 25 BTC.

ENGI Tightened Landing Light. Repl'd Induction Air Boot; PN: 600115-1. Stopped Drilled crack

PROI in outboard Ail Skin. Removed Flap Hyd Pump. Installed Kit # 098-001. Installed Pump

PROI and bled system. repl'd Fuel Cap O-Rings PN: MS29513-338 on RH & LH Fuel Caps.

PROI Removed and serviced Ind. Air Filter; installed filter. Adjusted MLG Terract Rod tension

ENGI to 21 lbs.; IAW Mooney service inst. Installed new Alt Belt PN: 37A19773. Repl'd ELT

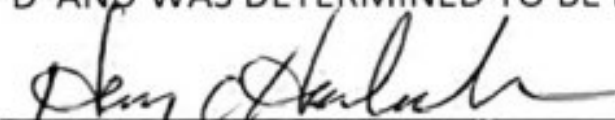
ENGI Batteries; next repl due 3/2025. I certify that the ELT System was insp'd IAW FAR

PROI 91:207(d). C/W AD 73-21-01 (10/10/73); next insp due at Tach: 3324. C/W AD 75-09-

PROI 08 (04/30/75); next insp due in 2/2017. C/W AD 77-17-04 (07/07/78); next insp due at

PROI Tach: 3724.

PROP I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION PER
FAR 43 APPENDIX "D"AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.


HENRY C. HENDRICKSON

A&P1677108IA

MAJOR ALTERATIONS

DATE	DESCRIPTION OF ALTERATION
4/1/17	Tech 3247.5 remove servo control Valve and rate gyro from wing leveler for O/H. install used struts on belly to replace beacons. clean pitot tube & check. inspect aircraft IAW an annual inspection and was determined to be in airworthy condition. ADs see log list Rebuild AP 328078 IA
4/1/17	Tech 3249.5 inspect ELT IAW FAR 91.207 para d Rebuild AP 328078
5/4/18	Tech 3274.0, install servo control + rate gyro, inspect aircraft IAW an annual inspection and was determined to be in airworthy condition Rebuild AP 328078 IA
5/4/18	Tech 3274.0 inspect ELT IAW FAR 91.207 para d Rebuild AP 328078
4/24/19	Tech 3300.6 inspected aircraft IAW an annual inspection and was determined to be in airworthy condition Rebuild AP 328078 IA
4/24/19	Tech 3300.6 inspect ELT IAW FAR 91.207 para d Rebuild AP 328078

1413

MAJOR ALTERATIONS

DATE	DESCRIPTION OF ALTERATION
1/21/2020	Tach 3314.9 lube all controls and retract landing gear
11/21/2019	test warning horn inspected IAW Mooney service manual an annual inspection and was determined to be in airworthy condition Rg Walker P32807981A

MAKE: MOONEY
MODEL: M20C
S/N: 2943
REG. NO: N5509Q
WORK ORDER:
4758-06-2020

Lake Aero Styling & Repair

900 F Sky Park Drive
Lakeport, CA 95453 USA
Phone: 707-263-0412

DATE: 6/23/2020
A/C TSN: 3324.3
TACH: 3324.3

Airframe Entries

(1) Replaced cracked hoses in A/C PC system flight tested and calibrated PC system in accordance with Mooney MM P/N 104 REV July 1980.... (2) Bled brakes. Ops checked good. No leaks found.... (4) Replaced brake linings and rotors on both right and left main gear.... (5) Jacked AC, lubed and cycled gear. Gear movement smooth throughout full travel.... (6) Re-sealed left master cylinder.... (7) Re-installed both front and back seats in A/C, per owners request.

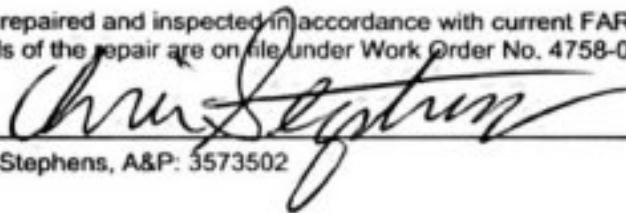
1 of 1

Maintenance Release

The aircraft and/or component(s) on N5509Q was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was approved for return to service. Pertinent details of the repair are on file under Work Order No. 4758-06-2020, Dated 6/23/2020.

DATE: 6/23/2020

SIGNED:



Christopher Stephens, A&P: 3573502

Work Order: 4758-06-2020

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MAINTENANCE RECORD

F.A.R. 43.9

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

MODEL: M20C

SN: 2943

REG. NO.: N5509Q

WORK ORDER:

MTX9

LASAR, Inc.

7443 Murieta Drive

Hangar H26

Rancho Murieta, CA 95683

United States

(800) 954-5619

Date: 2020/10/30

A/C TSN: 3,329.40

TACH:

Airframe Entries

(1.1) Replaced L/H seat with R/H seat at customers request. Adjusted seat belts to match....(1.2) Removed wing leveler vacuum boots from aileron belcrank. Plugged vacuum lines. Flight checked with no faults found....(1.3) Replaced L/H seat rollers with new P/N 140003-000...(1.4) Replaced trim indicator panel with new P/N 740020-503....(1.5) Adjusted vacuum press to manufactures specifications....(1.6) Removed Apollo GPS and mounted a blank cover on it....

Maintenance Release

The aircraft and/or component(s) on N5509Q was repaired and inspected in accordance with current FAR rules of the Federal Aviation Regulations and was approved for return to service. Pertinent details of the repair are on the file at this repair station under Work Order No. MTX9, Dated 2020/10/30.

Erik MacGuire 3487999

DATE: 10-30-2020

SIGNED: Erik MacGuire

Work Order: MTX9

21.6

3/07/21	3336.5	ch ADs on best inspected aircraft IAW an annual inspection and was determined to be in airworthy condition	By Valter A 3280778 EA

SN:

REG. NO.:

WORK ORDER:

AVIO21

LASAR, Inc.

7443 Murieta Drive
Hangar H26
Rancho Murieta, CA 95683
United States
(800) 954-5619

Date: 2021/05/13

A/C TSN:

TACH: 3,339.10

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SE

Airframe Entries

(1.1) Removed ARC 31640 CDI, S/N 6270. Installed universal double ball drill mounts including tablet holder on the top left of the co-pilot panel. Ops check good...
Maintenance Release

The aircraft and/or component(s) on was repaired and inspected in accordance with current FAR rules of the Federal Aviation Regulations and was approved for return to service. Pertinent details of the repair are on the file at this repair station under Work Order No. AVIO21, Dated 2021/05/13.

DATE:

5-13-21

SIGNED:



2663816 AP

Work Order: AVIO21

Precision Static Testing Livermore, CA Phone 925-449-5904
FAA Certified Repair Station #QJAR856X

I certify that transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR Part 43, Appendix E and F.

Time: 3380.1 W/O# 21539 N 5509Q

Inspected by



Date

7/27/22

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
N Number: N5509Q Tach/Hobbs: 3350.8 AFTT: 3350.8 EngTT: 2072.8 EngTSO: 676.7 PropTT: 550.3 PropTSO: 550.3	 Hangtown Aviation 3501 Airport Rd. H34 Placerville CA, 95667 hangtownaviation.net	Aircraft: M20C S/N: 2943 Engine: O-360-A1D S/N: L7736-36A Prop: HC-C2YK-18F S/N: CH34704B DATE: 08/30/2022	
Drained fuel and replaced sending unit gaskets Performed leak check, no leaks noted. Greased landing gear, lubed all control rod ends. C/W FAR 91.207 (D)1-4, ELT ops check satisfactory, next due 09/01/2023. ELT battery next due 12/20/2025. Replaced elt remote battery with new. Serviced challenger air filter and re-installed. Removed carb fuel inlet screen, no contaminants found, reinstalled with new gasket. Inspected fuel strainer, no contaminants found, Re-assembled with new gaskets. Repaired crack in front engine baffle. Replaced both fuel tank drained. Replaced o-rings in LH brake master cylinder and bleed brakes. Installed new clamp on propeller governor supply line. Replaced baggage door hinge with new. Replaced muffler with serviceable unit. Pressure checked exhaust, no leaks noted. C/W AD 73-21-01 (10/10/73) control rod and landing gear inspection and lubrication, next due 3450.8 or annual whichever comes first. C/W AD 76-07-12 (04/14/76) Bendix ignition operational checks satisfactory next due 3450.8 AD 77-17-04 (07/07/78) Control wheel shaft next due 3724. "I certify this aircraft has been inspected in accordance with an annual inspection per FAR 43 appendix "D" and has been determined to be in an airworthy condition at this time."			
A&P	3138817 IA	Brandon Braithwaite	X 

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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N Number: N5509Q Tach/Hobbs: 3373.0 AFTT: 3373.0 EngTT: 2095.0 EngTSO: 698.9 PropTT: 572.5 PropTSO: 572.5	 Hangtown Aviation 3501 Airport Rd. H34 Placerville CA, 95667 hangtownaviation.net	Aircraft: M20C S/N: 2943 Engine: O-360-A1D S/N: L7736-36A Prop: HC-C2YK-18F S/N: CH34704B DATE: 11/08/2023
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Greased landing gear, lubed all control rod ends. C/W FAR 91.207 (D)1-4, ELT ops check satisfactory, next due 09/01/2023. ELT battery next due 12/20/2025. Installed new challenger air filter assembly. Inspected fuel strainer, no contaminants found, Installed new bushings in main landing gear over center linkage. Installed new nose gear truss ushing with oversized bushing per STC SA3540NM. Re-rigged landing gear pre-loads. Set nose gear steering stops per SIM20-137. Pressure checked exhaust, no leaks noted.

C/W AD 73-21-01 (10/10/73) control rod and landing gear inspection and lubrication, next due 3473.0 or annual whichever comes first.

C/W AD 76-07-12 (04/14/76) Bendix ignition operational checks satisfactory next due 3473.0

AD 77-17-04 (07/07/78) Control wheel shaft next due 3724.

"I certify this aircraft has been inspected in accordance with an annual inspection per FAR 43 appendix "D" and has been determined to be in an airworthy condition at this time."

A&P	3138817 IA	Brandon Braithwaite	X 
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N5509Q



The Standard

ENGINE LOG

ASA-SE-2

DAT

O 360-A1D

SN L7736-36A

September 21, 1999

19

Total time: 1417.04Tach time: 2694.3*From old Log Book*

The engine was removed from the aircraft and delivered to Clarksburg Air Repair for overhaul. The engine was disassembled, cleaned, and inspected. All stressed ferrous parts were magnetic particle inspected and all stressed non ferrous parts were dye penetrant inspected. The crankshaft was polished and dimensionally checked to new standard limits. The connecting rods were repaired by EC Northwest (WO #27562). A new camshaft and lifters were installed. The cylinders were overhauled by Clarksburg Air Repair. Cylinders #2, #3, and #4 were weld repaired by EC Southwest (WO #73145). The bores are new limits chrome honed to a ring finish. . The crankcase was resurfaced and line bored by EC Northwest (WO #27563). The engine was assembled and torqued per SI 1029. The crankshaft gear was installed per AD 91-14-22 and SB 475 (bolt torqued to 204 inch lb. and tab lock bent over). The carburetor and both magnetos were installed as removed. The magneto timing was set to 25 degrees BTC. A rebuilt vacuum pump and a rebuilt fuel pump were installed. All work was done in accordance with Textron Lycoming Overhaul Manual PN 60294-7-7, and all applicable ADs, SBs, SIs, and SLs.. The engine was test run in accordance with Section 9, Table 9-2 of the Overhaul Manual. See Clarksburg Air Repair WO # 2602 for details

X
Kevin Goehring

Clarksburg Air Repair
54258 S. River Road
Clarksburg, CA 95612

*916-665-0006*CLARKSBURG
AIR REPAIRCOMPLETE AIRCRAFT REPAIR & RESTORATION
CR#C54R419N

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 Technician or Repair Facility. (See back pages for other specific entries.)
15 October 1999	TACH	2994.3	KS J. TSMO#02.2 hrs	Installed engine mount to Airframe with new Bolts and Attaching hardware. Installed engine mount I/A/W mooney maintenance manual. Cleaned and prepped Firewall for engine installation. Installed overhauled model O-360-A1D engine Serial number L7736-36A. I/A/W mooney maintenance manual. Replaced All engine hoses. Installed engine with new Lord mounts and with new bolts and Attaching hardware. Installed overhauled Propeller governor PART number H-1 serial number 2134V see ATTACHED 8130-3 Form. Installed newly overhauled Remote oil cooler. part number 8526250 serial number EE-1222 see ATTACHED 8130-3 Form Installed new Air Filter PART number BA6108. Installed new propeller and spinner, and Rear →

[illegible]

Bulkhead. See current prop Log Book and Form 337 Filed. All Run and Leak tests ~~to~~^{KS} checked good.,,

Karl Skinner

Holman Aviation CRS# HQGRO4OK
GT. FALLS, MONTANA

Signature _____

DATE 19____	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Afte. Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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9 DEC 1999 TACH 2710.8 CHK'd ENGINE INSTALLATION/HOSES/WIRING; REPAIRED RH CABIN
HEAT SYSTEM; TESTED OIL CHIP DETECTOR-OK; CHG's OIL & FILTER -
PHILLIPS 20W50; STROBED ENGINE-READS HIGH ; MAG'S INSTALLED IN
REVERSE ORDER-INSPECTED & RE-INSTALLED CORRECTLY; R&R #4 EGT PROBE;
CLEANED & TESTED ALL SPARK PLUGS; GENERAL MAINTENANCE.

I certify this component was repaired and inspected in accordance with current Federal Aviation Regulations
And was found to be airworthy for return to service. Pertinent details of the repair/work are on file at this
Repair station in Work Order _99-250_.

LAKE AERO STYLING AND REPAIR, FAA REPAIR STATION NO. NT3R722L
4725 Highland Springs Rd, Lakeport CA 95453-9775, 707-263-0412, FAX 707-26-0420

N5099Q TACH TO STROBE

TACH INDICATOR	LASAR STROBE	OWNER DIGITAL
1000	1000	1000
1500	1545	1545
1700	1746	1746
1800	1844	1846
2000	2050	2050
2200	2250	2250
2300	2330	2330
2400	2450	2450
2500	2550	2550
2600	2640	2641

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 Technician or Repair Facility. (See back pages for other specific entries.)
5/20/00	2724.5		1449.44	SMOH 32.4 ch oil ch rag timing ch compression I certify that this engine has been inspected I A as an annual inspection and was determined to be in airworthy condition B. L. Allen A36332681 IA
8/10/00	2741.4		1466.34	SMOH 49.3 REMOVED oil AND FILTER. DISASSEMBLED FILTER - NO METAL FOUND. REPLACED oil WITH PHILLIPS XC 20W-50, 8 qts. REPLACED FILTER WITH CH48110. RAN ENGINE, NO OIL LEAKS, NOW DETERMINED TO BE AIRWORTHY - J. Stephens 1672389 CFI

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 Technician or Repair Facility. (See back pages for other specific entries.)
				PROPELLER LOG
				N5509Q Tach: 2799.6
				May 3, 2002
				1. Removed McCauley propeller, PN B3D336C424-e, SN 992030 and sent to American propeller for inspection, reseal and repair.
				2. Re-installed above propeller with new o-ring, torqued, and balanced.
				3. Removed above propeller.
				4. Installed Lake Aero Styling provided Hartzell 2 blade serviceable propeller with new o-ring, torqued, and balanced propeller.
				All work performed in accordance with manufacturers maintenance manuals.
				Mechanic: Stephen Collup <i>Stephen Collup</i>
				Inspector: Renner Brewer <i>Renner Brewer</i>
				EXECUTIVE AIR REPAIR  COMPLETE AIRCRAFT REPAIR & RESTORATION CRS#C54D419N
				Executive Air Repair 6273 Freeport Blvd. Sacramento, CA 95822

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 Technician or Repair Facility. (See back pages for other specific entries.)
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14 JUN 2002 TACH 2800.5 TT 1523.3 TSMOH 106.2 TSTOH -0- ANNUAL INSPECTION:

COMPRESSION AND OIL - R&R CYL ASSY- AEROSHELL 100 NON-DET;

R&R AIR FILTER, MUFFLER, PROP GOV CLAMPS & LINE, REPAIRED #4 EXHAUST
PIPE; INSTALLED ICE HOLE ; CW AD 75-09-08 NO LONGER APPLIES-BOTH MODS,
96-09-06 BY REPLACEMENT, 02-09-08 NA BY PCW; GENERAL MAINTENANCE

I certify that this ENGINE has been checked in accordance with an ANNUAL INSPECTION and was determined to be
in airworthy condition. Pertinent details of the repair/work are on file in Work Order 02-137.

LAKE AERO STYLING & REPAIR, FAA REPAIR STATION NO. NT3R722L.

4725 HIGHLAND SPRINGS RD, LAKEPORT CA 95453, 707-263-0412, FAX 707-263-0420

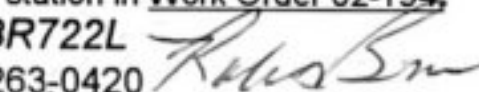

ROBERT BROWN

06 SEPT 2002 TACH 2813.4 CHANGED CARB, INSTALLED 10-4164-1 S/N K5156; REPLACED LOWER
SPARK PLUGS WITH REM38E (4 EA); GENERAL MAINTENANCE.

I certify that this COMPONENT has been inspected in accordance with current Regulations and was determined
to be in an airworthy condition. Pertinent details of the repair/work are on file at this repair station in Work Order 02-194.

LAKE AERO STYLING AND REPAIR, FAA REPAIR STATION NO. NT3R722L

4725 Highland Springs Rd, Lakeport CA 95453-9775, 707-263-0412, FAX 707-263-0420


ROBERT BROWN

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 Technician or Repair Facility. (See back pages for other specific entries.)
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28 OCT 2003 TACH 2881.8 HRS REPLACED VACUUM PUMP, DRIVE GEAR AND GARLOC SEAL, LEAK CHECK NORMAL; CHANGED OIL AND FILTER, RESERVICED ENGINE WITH 8 QTS AEROSHELL 100W, ADDED LYCOMING ADDITIVE, LEAK CHECK NORMAL; WASHED ENGINE; GENERAL MAINTENANCE.

I certify that this COMPONENT has been inspected in accordance with current Regulations and was determined to be in an airworthy condition. Pertinent details of the repair/work are on file at this repair station in Work Order 03-304.
LAKE AERO STYLING AND REPAIR, FAA REPAIR STATION NO. NT3R22L
 4725 Highland Springs Rd, Lakeport CA 95453-9775, 707-263-0412, FAX 707-263-0420 

3/3/04

ENGINE MODEL:
ENGINE S/N:
REG. NO: N5509Q
WORK ORDER:
115-03-2004



Lake Aero Styling & Repair

Repair Station No. NT3R722L
4725 Highland Springs Road
Lakeport, CA 95453
Phone: 707-263-0412

DATE: 03/03/04

A/C TSN:
ENG TT:
TACH:

2896.7

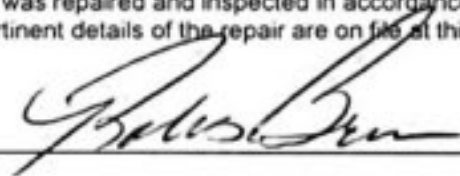
Engine Entries

(2) Pulled both spark plugs on number 3 cylinder, cleaned, test fired, and checked gap. Both checked ok. Checked CHT probe, looks ok. Reinslled plugs and torqued (3) Changed oil and filter, reserviced engine with 8 qts of Aeroshell 50W oil and Lycoming additive LW16702. Leak check normal.

Maintenance Release

The aircraft and/or component(s) on N5509Q was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 115-03-2004, Dated 3/3/2004.

DATE: 3-3-04 SIGNED:



Work Order: 115-03-2004

Printed by EBis 3 (datcomedia.com)

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 Technician or Repair Facility. (See back pages for other specific entries.)
8/13/04	2935.4		1658.2	ch compression #1 $7\frac{7}{80}$ #2 $7\frac{8}{80}$ #3 $7\frac{4}{80}$ #4 $7\frac{8}{80}$ ch oil filter the APS 2004-10-17 Duct q# I certify that the engine has been inspected IAW an annual inspection and was determined to be in airworthy condition Ryley R. APS 5003208137

3/30/05
2936.7

ENGINE MODEL
ENGINE S/N
REG. NO. 5509Q
WORK ORDER
548-03-2005



Lake Aero Styling & Repair

Repair Station No. NT3R722L
4725 Highland Springs Road
Lakeport, CA 95453
Phone: 707-263-0412

DATE 3/30/2005
A/C TSN
ENG TT
TACH 2956.7

Engine Entries

(2) Changed oil and filter, reserviced engine with 8 qts Aeroshell 100W oil. Leak check normal.

Maintenance Release

The aircraft and/or component(s) on 5509Q was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 548-03-2005, Dated 3/30/2005

DATE: 3/30/2005

SIGNED:

Work Order: 548-03-2005

Printed by EBis 3 (datcomedia.com)

DATE 2005 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 Technician or Repair Facility. (See back pages for other specific entries.)
3/30/05	2956.7			

ENGINE MODEL
ENGINE S/N
REG NO 5509Q
WORK ORDER
548-03-2005



Lake Aero Styling & Repair

Repair Station No NT3R722L
4725 Highland Springs Road
Lakeport, CA 95453
Phone 707-263-0412

DATE 3/30/2005
A/C TSN
ENG TT
TACH 2956.7

Engine Entries

(2) Changed oil and filter, reserviced engine with 8 qts Aeroshell 100W oil. Leak check normal.

Maintenance Release

The aircraft and/or component(s) on 5509Q was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No 548-03-2005, Dated 8/19/2005.

DATE: 3/30/2005

SIGNED:

Work Order: 548-03-2005

DATE: 3/30/2005		SIGNED: <i>[Signature]</i>		Work Order: 548-03-2005	
8/10/05	2973.0	OIL & FILTER CHANGED - LAKE AERO STYLING - Robert BROWN - MGR			
Printed by EBis 3 (datcomedia.com)					
8/26/05	2975.6	1698.4	Ck compression #1 78/80 #2 78/80 #3 78/80 #4 77/80		
I certify that this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition					
R. G. Allen A5160332681TA					
6/26/06	3000.3	CHANGED OIL AND FILTER, RESERVICED ENGINE WITH 8 QUANTS AEROSHELL 100W PLUS OIL. LEAK CHECK NORMAL			
3063MCH	5/5	1677389 CFII/OWNER			

© 1991 ASA

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 Technician or Repair Facility. (See back pages for other specific entries.)
9/1/06	3010.6		1733.4	ch compression #1 76/80 #2 77/80 #3 78/80 #4 79/80 ch ADs thru 2006-12-07 install new plugs I certify that the aircraft has been inspected IAW an annual inspection Rylealben PR360332681 IA
3/11/07	3034.6 340.3		1757.4 SMOH	OIL AND FILTER CHANGE - Reserviced Engine with 8 quarts AeroShell 100 plus oil. LEAK CHECK OK AFTER RUN-UP. S/le J. Stephens 1672389 CFII - OWNER
9/20/07	3054.2 SMOH 383.9	354.2	1777.0	ch ADs 78-21-01, 1507.00 77-1734 ch compression check I certify that the engine has been inspected IAW an annual inspection and was determined to be in airworthy condition Rylealben 17P360332681 IA
9/20/07	3054.2 SMOH 383.9		1777.0	OIL AND FILTER CHANGED Reserviced Engine w/ 8 qts AeroShell 100 + S/le J. Stephens 1672389 CFII - OWNER

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 Technician or Repair Facility. (See back pages for other specific entries.)
9/26/08	3077.9		1797.7	ch compression #1 $7\frac{5}{80}$ #2 $7\frac{7}{80}$ #3 $7\frac{7}{80}$ #4 $7\frac{6}{80}$
SMOH	404.6			change oil & filter. I certify that the engine has been inspected IACW an annual inspection and was determined to be in airworthy condition Regd with AF 3280798 IA
10/1/09	3079.4		1822.2	ch compression #1 $7\frac{7}{80}$ #2 $7\frac{6}{80}$ #3 $7\frac{4}{80}$ #4 $7\frac{7}{80}$
				change oil & filter & inspected engine in accordance with an annual inspection and was determined to be in airworthy condition Regd with AF 3280798 IA
10/2/10	3121.4		1844.2	ch compression #1 $7\frac{4}{80}$ #2 $7\frac{5}{80}$ #3 $7\frac{6}{80}$ #4 $7\frac{5}{80}$
	448.1			change oil & filter, inspected engine IACW an annual inspection and was determined to be in airworthy condition Regd with AF 3280798 IA

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 Technician or Repair Facility. (See back pages for other specific entries.)
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Lycoming 0-360 Tach: 3141.3 ENGTT: 1864.1 ENGTSO: 468.0

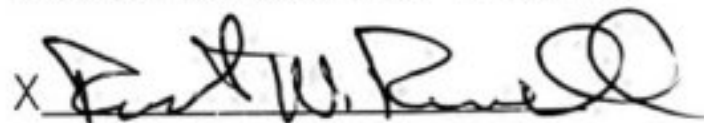
Owner C/W Spark Plug servicing and compression check.

C/W Lycoming oil and filter change per MSB480E, no contaminants found at this time. Installed new filter AA48110-2. New Crush gasket PN#AN900-12. 8 quarts aeroshell 100w plus. Serviced spark plugs. Compression Test Results 1)77/80 2)76/80 3)79/80 4)78/80. Replaced valve cover oil return tube hoses.

Brandon Braithwaite A&P 3138817 IA

Robert Russell A&P1586106


for 1, 2012

X 

12/4/12	3163.0	ch compression #1 75/80 #2 70/80 #3 77/80 #4 77/80 change oil	
SMOH	489.7 468.7	+ filter inspected engine IAW an annual inspection	
		address determined to be in airworthy condition	
			Reedley AP3280798IA

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 Technician or Repair Facility. (See back pages for other specific entries.)
4/7/14	3187.4	ch compression	#1 75/80 #2 75/80 #3 77/80 #4 77/80	inspected
SMOH	511.1	engine	IAW	an annual inspection and was determined to be in airworthy condition. Revalled AH3280798 IFA
6/1/14	3191.1	FILTER AND OIL	CHANGED - 100+ AEROSHELL -	ENGINE INSPECTED J. Stephens 1672389
4/6/15	3209.9	ch compression	#1 77/80 #2 77/80 #3 79/80 #4 76/80	inspected
SMOH	511.1	engine	IAW	an annual inspection and was determined to be in airworthy condition. Revalled AH3280798 IFA
9/1/15	3249.8	OIL CHANGE	8 qts AEROSHELL 100+, FILTER	
SMOH	525.5 HRS		48110 -	CHANGE, TEST FLOWN J. Stephens 1672389

DATE

19

HANGTOWN AVIATION
3501 AIRPORT RD
PLACERVILLE, CA 95667

Iterations
(Number of
cyclic entries.)

Make: Lyc 0-360-A1D

S.N.: L7736-36A

Reg Nu: N5509Q

Tach: 3224

TTS MOH: 529.7

Date: 2/10/2016

ANNUAL INSP. Cleaned and rotated plugs. Removed RH & LH Mags for 500 hr Insp. Insp performed by A/C Electrical Components; Ref Invoice 31383; 31384. Installed Mags and timed to 25 BTC. Removed existing Generator. Installed new Air Power Alt Kit PN: SAL 12-70. Ref 337 dated 2/10/2016. Repl'd Induction Air Boot; PN: 600115-1. Removed and serviced Ind. Air Filter; installed filter. Eng Comp: #1 76/80; #2 78/80; #3 78/80; #4 76/80.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION PER FAR 43 Appendix "D" and was DETERMINED TO BE IN Airworthy Condition.

Henry C Henderson ATP 1677201A

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 Technician or Repair Facility. (See back pages for other specific entries.)
4/1/17	3247.5			Ch compression #1 7/8 #2 7/8 #3 7/8 #4 7/8 change oil + filter. inspect engine IAW an annual inspection and was determined to be in airworthy condition Rylee AP 3280798 IA
5/1/2018	3265.2			Replaced BATTERY WITH CONCORD SEALED 12V UNIT. Harold Stephens 1672389 CFII 11-30-18
5/4/18	3274.6			Ch compression #1 7/8 #2 7/8 #3 7/8 #4 7/8 change oil + filter, inspect engine IAW an annual inspection and was determined to be in airworthy condition Rylee AP 3280798 IA
1/23/19	3294.6			install new intake gasket on #4 test run + ok Rylee AP 3280798
4/24/19	3300.6			Ch compression #1 7/8 #2 7/8 #3 7/8 #4 7/8 change oil ad filter. inspected engine IAW an annual inspection and was determined to be in airworthy condition Rylee AP 3280798 IA

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 Technician or Repair Facility. (See back pages for other specific entries.)
1/21/2020	3314.9			install new R+H mag & tune to engine
SMITH 632.6				clean plugs & compressor #1 $79/80$ #2 $75/80$ #3 $77/80$ #4 $76/80$
TT 2037.3				check A/B see list inspected engine IAW an annual inspection and was determined to be in airworthy condition Rogers RPT3280798 IA
11/1/2020	3329.7			Oil (100W) and filter changed - ADD 8 QUARTS OF 100W + OIL James E Stephens
3/20/21	3336.5			check compressor #1 $77/80$ #2 $75/80$ #3 $77/80$ #4 $75/80$. inspected engine IAW annual inspection and was determined to be in airworthy condition Rogers RPT3280798 IA

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 Technician or Repair Facility. (See back pages for other specific entries.)
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N Number: N5509Q Tach/Hobbs: 3350.8 AFTT: 3350.8 EngTT: 2072.8 EngTSO: 676.7 PropTT: 550.3 PropTSO: 550.3	 Hangtown Aviation 3501 Airport Rd. H34 Placerville CA, 95667 hangtownaviation.net	Aircraft: M20C S/N: 2943 Engine: O-360-A1D S/N: L7736-36A Prop: HC-C2YK-18F S/N: CH34704B DATE: 08/30/2022
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Removed oil filter, cut open and inspected, no contaminants found. Serviced spark plugs and re-installed with new gaskets. Verified magneto to engine timing. Compression results 1)772)743)66 4)78 /80. Installed new oil filter.

Michael Wakeman P 4207002 X _____

Ran engine per FAR 43.15 (c), operational checks satisfactory

A&P	3138817 IA	Brandon Braithwaite	X 
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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 Technician or Repair Facility. (See back pages for other specific entries.)
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N Number: N5509Q Tach/Hobbs: 3373.0 AFTT: 3373.0 EngTT: 2095.0 EngTSO: 698.9 PropTT: 572.5 PropTSO: 572.5	 Hangtown Aviation 3501 Airport Rd. H34 Placerville CA, 95667 hangtownaviation.net	Aircraft: M20C S/N: 2943 Engine: O-360-A1D S/N: L7736-36A Prop: HC-C2YK-18F S/N: CH34704B DATE: 11/08/2023	
Owner previously C/W oil change and saved oil filter. Cut open and inspected oil filter, no contaminants found. Serviced spark plugs and re-installed with new gaskets. Verified magneto to engine timing , adjusted to 25 BTC. Compression results 1)78 2)78 3)79 4)78 /80. Cleaned fuel inlet screen and reinstalled with new gasket.			
Ran engine per FAR 43.15 (c), operational checks satisfactory			
A&P	3138817 IA	Brandon Braithwaite	X 



HARTZELL

PROPELLER LOGBOOK

PROPELLER MODEL HC-CZYK-1BF/FT666A-2

PROPELLER S/N CH34704B

ACFT: N5509Q

LOGBOOK # 1

PROPELLER MAINTENANCE RECORD

HARTZELL PROPELLER INC

INSPECTION

Code No: C2K00045

Date: 10/10/00

☒ New ☐ Experimental

☒ Assembled ☐ Disassembled

Work Order #: M285820

Hartzell Order No. CO 7286		Part Number HC-C2YK-1BF/F7666A-2									
Ass'y Ser No. CH34704B		Hydr Unit No. NA		Bulkhead No. NA		Valve No. NA		Dome No.			
Blade 1 J52412		Blade 2 J52414		Blade 3		Blade 4		Blade 5		Blade 6	
Carton No.	Lbs.	Weight		Kilos	Height	Width		Length		Packing	
Comments: Deice Kit: NA IDS # 76 3-6-97										P-920 Spinner Mounting Kit: NA	
14.0 L.P./S.L. @ 30" Radius											
Sold to: LAKE AERO				Customer Order No. 6762			Line Item No. 0		Insp. by JM		

Date	Propeller TSN TSO	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
14 JUN 2002	TACH 2800.5 TT -0-	TSOH NA	R&R PROP- NEW S/N CH34704B, P/N HC-C2YK-1BF/F7666A-2; AD 02-09-08 PCW BY FACTORY; CLEANED, CHECKED CONDITION; GENERAL MAINTENANCE. I certify that this PROPELLER has been checked in accordance with an ANNUAL INSPECTION and was Determined to be in airworthy condition. Pertinent details of the work are on file in W.O. 02-137 LAKE AERO STYLING & REPAIR, FAA REPAIR STATION NO. NT3R722L 4725 HIGHLAND SPRINGS RD. LAKEPORT CA 95453, 707-263-0412, FAX 707-263-0420 <i>R. L. L. Ben</i>
16 JUL 2003	TACH 2854.3 TT 53.8	TSOH NA	CHECKED CONDITION, DRESSED, CLEANED; AD's CW 03-01-03/03-03-20/03-06-02 NA BY PART NUMBERS; GENERAL MAINTENANCE. I certify that this PROPELLER has been checked in accordance with an ANNUAL INSPECTION and was determined to be in airworthy condition. Pertinent details of the work are on file in W.O. 03-167 LAKE AERO STYLING & REPAIR, FAA REPAIR STATION NO. NT3R722L 4725 HIGHLAND SPRINGS RD. LAKEPORT CA 95453, 707-263-0412, FAX 707-263-0420 <i>R. L. L. Ben</i>

6/13/04	Tach 2935.4	SMOH 134.9	I certify that this prop has been inspected IAW an annual inspection and was determined to be in airworthy condition <i>R. L. L. Ben AP560332C81IA</i>
8/24/05	Tach 2975.6	SMOH 175.1	I certify that this prop has been inspected IAW an annual inspection and was determined to be in airworthy condition <i>R. L. L. Ben AP560332C81IA</i>
9/01/06	Tach 3010.6	SMOH 210.1	I certify that this prop has been inspected IAW an annual inspection and was determined to be in airworthy condition <i>R. L. L. Ben AP560332C81IA</i>
9/20/07	3054.2	LAB 2006-18-15NA (6 suffix)	I certify that this prop has been inspected IAW an annual inspection and was determined to be in airworthy condition <i>R. L. L. Ben AP560332C81IA</i>

Date	Propeller TSN	TSO	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
9/2/08	Tach 3071.9	SMOH 274.4	ch A/Ps	To certify that this prop has been inspected IAW an annual inspection and was determined to be in airworthy condition Ryckell AP 3280778 IA
10/1/09	Tach 3078.4	ch A/Ps	inspected Prop IAW an annual inspection and was SMOH 278.9	determined to be in airworthy condition Ryckell AP 3280778 IA
10/2/10	Tach 3121.4	ch A/Ps	inspected Prop IAW an annual inspection and was determined to be in airworthy condition Ryckell AP 3280778 IA	

Tach: 3141.3 Prop TT 3408 Prop TSO: N/A Jan 1, 2012

Dressed and painted propeller. Greased propeller hub with aeroshell 5.

Robert Russell A&P 1586106

X

Robert W. Russell

12/14/12	Tach 3163.0	inspected Prop IAW an annual inspection and was determined to be in airworthy condition Ryckell AP 3280778 IA	
4/7/14	Tach 3187.1	inspected Prop IAW an annual inspection and was determined to be in airworthy condition Ryckell AP 3610778 IA	

Date	Propeller TSN TSO	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
4/6/14			Prop 3225.0 ch AD's inspected prop IAW an annual inspection and was determined to be in airworthy condition. Recheck AP3280798 IA
2/10/2016	TACHS 3224.0		Removed prop to install ALE belt. Installed, dressed & Lubed prop. I Certify that this propeller was insp. IAW an Annual Insp & was determined to be in an Airworthy Condition. Ray C. Nulshan ATP 1677108 IA
4/1/17	Tach 3227.5		ch AD's inspected Prop IAW an annual inspection and was determined to be in airworthy condition. Recheck AP3280798 IA

5/4/18	Tach 3274		ch AD's inspected prop IAW an annual inspection and was determined to be in airworthy condition. Recheck AP3280798 IA
4/24/18	Tach 3300.6		ch AD's inspected prop IAW an annual inspection and was determined to be in airworthy condition. Recheck AP3280798 IA
1/2/2020	Tach 3314.9		ch AD's inspected prop IAW an annual inspection and was determined to be in airworthy condition. Recheck AP3280798 IA
8/30/22	Tach 3350.8		