

DATE	MANUFACTURER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY CERT. NO.
I certify that the altimeter and static system tests required by FAR Part 91.170 have been performed. The altimeter has been tested to <u>16,000</u> feet.							
Signature <u>Larry C. Cassem</u> Date <u>11-19-81</u> Certificate Number <u>3420</u>							
<u>11/23/83. Static system inspection Performed see Page #48</u> <u>Larry C. Cassem HYP 1896623 JA.</u>							
<u>3/6/86 Static system inspection Performed see Page #54</u> <u>Larry C. Cassem HYP 1896623 JA.</u>							

PERFORMED IFR CERTIFICATION PER FAR-91, 411 AND FAR-91.413. COMPONENTS FOUND TO COMPLY WITH FAR-43 APPENDIX E AND F.							
DATE: <u>10/5/93</u> WO# <u>5228</u>							
VEGAS RADIO <u>22.00</u> FAA REPAIR STATION VQSR557K							
INSPECTED BY: <u>22.00</u>							
Recent <u>For Alt. Install</u>							
PERFORMED IFR CERTIFICATION PER FAR-91.411 AND FAR-91.413. COMPONENTS FOUND TO COMPLY WITH FAR-43 APPENDIX E AND F.							
DATE <u>10/24/94</u> WO# <u>6042</u>							
VEGAS RADIO <u>22.00</u> FAA REPAIR STATION VQSR557K							
INSPECTED BY: <u>22.00</u>							

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT
Date <u>11/19/81</u>		Tach <u>3326 88</u>				
I certify that this transponder:						
		<u>KING KT-76A</u>	Serial # <u>18860</u>			
has been checked in accordance with						
FAR 43 appx F and found to comply						
with FAR 91.177 this date for CRS 3409.						
<u>Jimmy Chawson</u>						
<u>11/23/83</u>		<u>Transponder sk Performed see Page #48 C.S.I.</u>				
<u>W. Warren A/P 1896623 It.</u>						
The static pressure system and altimeter instrument						
were inspected and tested <u>11/4/83</u> to an altitude of						
<u>20</u> thousand feet and found to comply with						
FAR 91.171. The ATC transponder was tested and						
inspected <u>11/4/83</u> and found to comply with FAR						
91.172(a). Automatic altitude reporting equipment was						
tested and calibrated <u>11/4/83</u> in compliance with						
FAR 91.36 (b). Transponder manufacturer <u>KING</u>						
<u>KT-76A</u> s/n <u>18860</u> <u>RT. ROSSMAN</u>						
<u>CRYSTAL SHAMROCK</u> <u>P/N 371K-05</u>						
CRS-3409						
Signature <u>Michael D. Culver</u>						
For CRS-3409						
FAA Cert # <u>ORA-3409</u>						

AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE	4-29-78 100 hour inspection on aircraft. checked all controls, wheels and brakes. replaced left tire greased landing gear and pulled retraction on gear, replaced over head cabin vent control, charged battery, cleaned windows, bottom of fuselage and bottom of fuselage. Total time 2729.56 Tack 2729.56
APPROVED DATA USED	I certify that this airplane has been inspected in accordance with a periodic 100HR, inspection and was determined to be in an airworthy condition. <i>Nick Flynn</i> A + P 384690
IN SERVICE DATE OF COMPLETION	4-29-78 2729.56

DATE OF COMPLETION	AIRCRAFT IN SERVICE	OR APPROVED DATA USED	WORK PERFORMED/RETURNED TO SERVICE
5-26-78	Tach Time 2735 hrs.	Removed Turn-coordinator for overhaul 5-9-78. Unit overhauled by Brittain Industries. Reinstalled & Flight tested. (ok) Flight test by Ford Aviation.	Harvey V. Cassen AP 1896623
Nov 27, 1978	Tach 2829	I certify that this airplane has been inspected in accordance with a <u>annual</u> inspection and was found to be in an <u>airworthy</u> condition.	retraction test, ground landing gear. Replaced O-ring on left right side. Brake push, installed digital OAT's gauge. shimmied up nose gear steering linkage. C/W A.D 73-21-1 Flt's control linkage C/W A.D 75-09-8 Engine Mount inspection C/W A.D 77-17-4 Control Wheel inspection A.D. 77-18-1 engine oil cooler. C/W
	C/W A.D 76-07-12 Aunt mag switch		Alan R. Kypis AP 468220773

DATE OF COMPLETION	AIRCRAFT IN SERVICE	OR APPROVED DATA USED	WORK PERFORMED/RETURNED TO SERVICE
		DATE <u>11-27-78</u> TACH <u>2829</u> I CERTIFY THAT THIS <u>airplane</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>annual</u> INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION. <u>Don J. Henderson</u> DON J. HENDERSON AP 55759 I.A.	
	April 9, 1979 Tach. 2886.5 hrs.	Replaced Alternator Belt & Left Main Tire - Repaired Left wheel Bearings	AP 1896623
4-25-79	Tach time 2893 hrs.	Removed dital clock. Ser # 728. Installed new Dital clock. M.T.I. Ser # 2315 no weight change. Tested (ok)	Harvey V. Cassen AP 1896623

COMPLETION	IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
7/13/79	Tach time 2922	Modified both Mk 12A panel units with the Narco CLC-60 modification in accordance with Narco Modification Instruction 3207-670. Installed buffer modules on each Mk 12A output. Installed a buffer module on the DME-190. Installed the Foster Airdata 51ASA Steering Adapter & the R-NAV 511/G, all in accordance with the Foster Airdata Installation Manual #009A0202B. This installation is approved for <u>VFR USE ONLY</u> .	
		David R. Nord	
		AMERICAN AVIATION CO.	1554516
		FLYING CLOUD FIELD	CRS-3065
		HOPKINS, MINN. 55343	
		Certified Repair Station #3065	

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
8/31/79	Tach time 2950.97	Removed the #2 Mk 12A system. Installed a King KY-197 transceivers as the #2 com. Installed a NAV 121 as the #2 nav. See the weight & balance manual for the revised equipment list and the new weight & balance.	
		AMERICAN AVIATION CO.	David R. Nord
		FLYING CLOUD FIELD	1554516 CRS-3065
		HOPKINS, MINN. 55343	
		Certified Repair Station #3065	
10-30-79	Tach time 2997 hrs.	Changed Rt. tires & Both sets of Brake linings	
		Larry Harsen	
		A4P1896623JA	

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	OR APPROVED DATA USED	WORK PERFORMED/RETURNED TO SERVICE
DEC-12-79	100 HR.	INSP. TACH 3002:93	ELECTRICAL & CONTROL CHECK
		MADE. E.L.T. BATT REPLACED	UNIT TESTED. NEW BATT DUE DATE 7-1-81
		GEAR CYCLED. ALL WHEEL BEARINGS REPACKED.	GEAR ACTUATOR CLEANED
		INSP. LUBED & REINSTALLED PER. A.D. 75-23-4	PARTS #1 & #2. REPLACED
		MAIN GEAR SIDE BRACE BOLTS PER A.D. 78-15-2.	BRAKE SYSTEM BLEED.
		INSTALLED POST LIGHT FOR FLAP INDICATOR.	INSTALLED WHEEL STROBE
		KIT HT-1-2X WINGS ONLY PER WHEEL INSTRUCTIONS.	(WT. CHANGE NEGLIGIBLE) COMPLIED WITH
		A.D. 76-7-12 BENDIX ION. CHECK AT RUN-UP.	A.D. 79-5-2 ON LITHIUM E.L.T.
		BATTS N/A AS BATT IS NOT LITHIUM.	REPLACED BOTH INST. AIR FILTERS
		FOAM VAC. FILTER.	REPLACED CABIN DOOR SEAL.
		COMPLIED WITH A.D. 73-21-1	
		MAIN GEAR LUBRICATION & INSP.	A.D. 75-9-8 ENGINE MOUNT INSP.
		REPLACED LT NAV. LIGHT BULB.	AIRCRAFT CLEANED. TIRES & BATT SERVICED.
			A.D. 73-21-1 DUE AGAIN 3102:93 HRS. OR 12 MONTHS
			A.D. 75-9-8 DUE AGAIN 3102:93 HRS.
		NOTE: A.D. 75-23-4	PART #1 DUE AGAIN 3202:93 HRS. PART #2 DUE AGAIN 3102:93 HRS.
			A.D. 77-17-4 DUE AGAIN 3329. HRS.
			A.D. 76-7-12 DUE AGAIN 3102:93 HRS.
I certify that this aircraft has been inspected in accordance with a 100 HOUR inspection and was determined to be in airworthy condition.			
D. E. 2. Presault A/P 474-64-6960			

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
12-12-79	Tach time 3002 hrs.	checked all A.D. notes found AD 77-12-06 Hartzell Prop. not complied with. Removed Prop from a/c. Overhaul & complied with Bz. Maxwell a/c. see AD list	
I certify that this aircraft has been inspected in accordance with a 100 HOUR inspection and was determined to be in airworthy condition.			
			Larry E. Cassen A/P 1896623 IA.
2-6-80	Tach 3020.8	Complied with bulletin M20-196 by installation of Kit supplied from factory. Checked operation of Safety Switch Override and found satisfactory. Negligible change in weight and balance.	R. Braun AP473701193

COMPLETION	IN SERVICE	OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
2-8-80	TACH TIME 3020.8		
REMOVED NARCO TRANSPONDER MODEL ATGA. PANEL UNIT AND REMOTE UNIT. INSTALLED KING TRANSPONDER MODEL KT-76A IN CENTER RADIO STACK. ALSO INSTALLED KING TRANSPONDER ANTENNA KA-60 AT STATION 27. INSTALLED CSING MANUFACTURERS INSTRUCTIONS AND FOLLOWING AC 43.13 1 & 2. SEE WEIGHT AND BALANCE MANUAL FOR REVISIONS. NEW EMPTY WEIGHT 1729.3 Larry Claiborne NEW EMPTY CG 44.56 NEW USEFUL LOAD 1010.7 FOR CRS 3409			
Date 2-8-80	Tach 3020		
I certify that this transponder: KT-76A Serial # 18860 has been checked in accordance with FAR 43 appx F and found to comply with FAR 91.177 this date for CRS 3409. Larry E. Claiborne			

COMPLETION	IN SERVICE	OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
3-28-80	Tach Time 3037. hrs.		
REMOVED BOTH ELEVATORS STRIPPED PAINT FROM L/H ELEVATOR & REPLACED R/H WITH NEW PART. #431026-002 ELEVATOR. ETCHED, PRIMERED, & PAINTED CONTROL WHITE. SEE PAINT # IN FRONT OF LOG. CHECKED CONTROLS FOR BALANCE & INSTALLED CHECKED CONTROLS FOR PROPER TRAVEL & LUBED. INSTALL NEW CABIN DOOR HANDLE KIT PART # 20-039 & ADJUSTED DOOR. Larry V. Cassem AXP1896623IA.			
6-13-80	Tach & total time 3064.91 hrs.		
ENGINE REINSTALLED ON AIRCRAFT AFTER MAJOR OVERHAUL BY BOLDUC AVIATION SPECIALIZED SERVICES. ENGINE MOUNT STRIPPED TO COMPLY WITH MOONEY S.B. M20-192. FUSSET REINFORCEMENT & MAGNETIC INSPECTION - BY MAXWELL. PROP FLUSHED OUT & PROP GOVERNOR OVERHAULED BY MAXWELL. ALL FLUID CARRYING HOSES MADE UP & TESTED. REBUSHED SOWL FLAG CONTROLS, PAINTED PROP SPINNER & ENGINE MOUNT. ALL ENGINE MOUNT RUBBERS INSTALLED NEW. ENGINE SERVICED WITH 8 QTS 40 NON DET. OIL. RUN-UP. ENGINE & CHECKED FOR LEAKS. A/C TESTS FLOWN FOR 30 MINUTES (OK) Larry V. Cassem AXP1896623IA.			

COMPLETION	IN SERVICE	NO. OR MED/RETURNED TO SE
9-4-80	TACH	INSTALLED SIGTRONICS TRANSCOM INTERCOM MODEL SPA-400 ON PEDESTAL RIGHT HAND SIDE. ALSO ADDED MICROPHONE JACK & PTT BUTTON ON RIGHT HAND SIDE. INSTALLED PHONE SWITCH LOWER CENTER LEFT HAND INSTRUMENT PANEL FOR PHONE CONTROL COM1 AND COM 2. WEIGHT AND BALANCE AND EQUIPMENT LIST REVISED THIS DATE - INSTALLED USING MFG INSTRUCTIONS AND FOLLOWING AC 43.131A-2A
		Jerry Carlone
		FOR CRS 3409

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
11-28-80	Tach 3145.31	Gear cleaned & lubed & cycled. Nose wheel bearings replaced, shimmed nose gear steering linkage. Controls checked for hitting stops. Removed corrosion from battery box & repainted. Secured interior panel on pilots side mounted to 4H rudder pedal. Adjusted gear warning horn micro switch up 1" M.P. Installed new hose clamp on hose at parking brake. Removed door and installed stiffener and new door seal. 9W AD 73-21-1 by greasing & insp. 9W AD 75-234 Gear actuator grease & insp Part #2 9W AD 76-7-12 Bendix elgn. lvs checked at run-up 9W AD 80-13-3 Installed new Decher fuel pump 9W 1499-00-19 9W 0634 AD 80-13-3 Kolonja applicator, EIT checked for operation But due date	
7-1-81			
		I certify that this aircraft has been inspected in accordance with a 100 hr inspection and was determined to be in airworthy condition.	
		Dale A. Olson	
		ATP 470820456	

NOV-28-80 TACH 3145:31 COMPLIED WITH A.D. 76-7-12 BENDIX IGN, A.D. 75-23-4 GEAR ACTUATOR PART#2, A.D. 73-21-1 GEAR INSP & LUBE & A.D. 80-13-3 AUX FUEL PUMP. BY REPLACING WITH DUKES PIN 1499-00-19 SER#0634 PUMP. AIRCRAFT CLEANED. INSP. & PREVENTATIVE MAINTENANCE PERFORMED PER INSP. SHEETS.

AIRFRAME TOTAL TIME 3145:31 HRS.

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

David L. Breaux
A/P 414-64-6960 I/A

COMPLETION	IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
2-11-81	TACH 3170	Removed the following Avionics: NARCO NAV/COM MK12A NARCO HSI D60-10 and FOSTER AIRDATA. STEERING ADAPTER MODEL S1ASA. INSTALLED the following KING Avionics: KCS-SSA COMPASS with Bootstrap, COM Transceiver KY-197, NAV Receiver KN-53 w/Glidescope, KN-72 VOR/LOC CONVERTER. ALSO INSTALLED FOSTER AIRDATA Delta STEERING ADAPTER S1DSA AND AN AVIONICS MASTER RELAY. FOSTER AIRDATA RNAV ADS11 HAS STEERING INFORMATION ONLY ON KING HSI KI-52SA. NAV 2 position HAS ONLY RANGE MONITOR FEATURE. NO STEERING. UNITS INSTALLED USING MANUFACTURERS INSTRUCTIONS AND following AC43.13 1A & 2A PERTINENT CHAPTERS. ALSO REPLACED BOTH COMMUNICATION ANTENNAS AND ADF SENSE ANTENNA. AREA NAV SYSTEM AD-511 IS CERTIFIED FOR VFR FLIGHT ONLY AND IS RECORDED SAME WEIGHT AND BALANCE & EQUIPMENT LIST REVISED.	
		Jerry Chabman	FOR CRS 3409

DATE OF COMPLETION	IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
2-19-81	TACH 3175	Replaced Avionics Relay -	
		Jerry Chabman	FOR CRS 3409
3-25-81	Tach time 3198 hrs.	Replaced Electric fuel pump with Exchange unit Ser# 1124. Dukes PIN 1499-00-19. tested.	
		Larry Gardner A/P 1896623 I/A	
10/16/81	TACH 3306:3	Installed remote thermeling From OEMA to KN53 and NAV 12, no change in weight and balance.	
		Robert Portadomen	FOR CRS 3409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
11/2/81		Removed Directional Gyro. Installed New Ryan Storm Scope: WX-9 Display, WX-9 Processor, 378 Antenna. All equipment installed in accordance with Manufactures Installation Manuals and A.C 43.13-1 Chapter 11, Sections 2, 3, 5 + 7 and A.C 43.13-2 Chapters 2 + 3. Weight and Balance Revised.
		<i>Donald J. Chiles</i> South State Avionics, Inc. FAA Repair Station C14-12 Mankato, Mn

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
11/23/81	Tach 3326	Insp. all controls & Surfaces, Lubrd all ball joints and hinge points, checked all stops, Landing gear checked. Insp., Lubrd and cycled. horn & lights checked O.K. c/w AD 75-23-04 Parts I & II Gear Actuator Insp. & Greasing. c/w AD 73-21-01 Landing Gear Grease & Insp. c/w AD 77-17-04 Control wheel shaft Insp. Cleaned corrosion from batt. box, Installed small patch to left Rear corner of box & Repainted. Replaced O Ring on left Brake puck, Replaced Right Inboard brake pad. Replaced cover on Eng. control quad. Reversed Nose wheel on shaft, Reversed Left Main Tire on Rim. Installed new air seal on vent Door top of cabin. Reinstalled beacon on belly panel, Installed panel at old beacon location. Installed extra insulation around Left pilot's vent and Replaced Tail Nav. light bulb. ELT checked for operation. Performed encoder static system check & adjustment. 16,000 ft O.K. (Pgs. 17, 19) Checked stall warning, pitot heat, bled both brakes
I certify that this aircraft has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition. <i>Tully Haddeman</i> ATP 1896623 IA		I certify that this aircraft has been inspected in accordance with a <u>100 Hr</u> inspection and was determined to be in airworthy condition. <i>Donald J. Chiles</i> 477802564 A+P

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
1/25/82	Tach Total time 3339 hrs. Removed & Reinstalled after over-haul (fuel control unit (S/N 42187) (4) nozzles + 1 distributor valve by Wellmer Air Service. Installed new R-35 robot battery replace B cells on Instrument Panel. installed new ELT Battery. due for replacement. 9-1-83 tested etc	Larry V. Cassem ATP 1896623IA.
11-24-82	Tach 3476:14 Electrical and control check made ELT tested due 9-1-83 Gear cleaned, lubed, and cycled. Replaced all wheel bearings replaced nose and 4 main tire, replaced Vacuum lo-hi switch installed new stall horn, replaced loose rivets on R/H side of Tail 4A A.D. 73-21-01 Gear greased imp 75-23-04 Port II gear actuator	Dale A. Olson ATP 470820456
I certify that this aircraft has been inspected in accordance with a 100 hr inspection and was determined to be in airworthy condition.		
11-26-82	Tach Time 3476:14 hrs. inspected q/c, checked A.D. notes for compliance see listing in front of q/c log.	a/c total time 3476:14 hrs.
I certify that this aircraft has been inspected in accordance with a 100 hr inspection and was determined to be in airworthy condition.		
Prop TSMOH. 474 hrs. Larry V. Cassem ATP 1896623IA.		

DATE	IN SERVICE	
1-31-83	Tach 3494 hrs. Installed new control wheels according to Boeing Blueprint Drawing number 540021 1-505 package weight and Balance Change is insignificant. along with this modification A.D. 77-17-4 1/518 m20-205B are exempt from mandatory compliance. Installed Graphic engine monitor system serial number 336 according to manufacturer instructions and updated weight & BALANCE data	
Dana Hoepfner ATP 470683381		
3/26/83	Tach Time 3501 hrs. Replaced Electric fuel pump, Dukes Ser #1798 Model P/N 1499-00-19. Tested etc	Larry V. Cassem ATP 1896623IA

10-21-83 3620 INSTALLED S-TEC Pitch STABILIZATION System ST-049 as per STC 5134822D. INSTALLED USING MANUFACTURERS INSTRUCTIONS AND FOLLOWING AC43.13 1A CHAPTER 11 SECTION 2, 3, 5 AND 7 AND AC43.13 2A CHAPTERS 1 & 2. Weight and Balance and Equipment LIST REVISED TO REFLECT THIS INSTALLATION

MAINTENANCE RELEASE

The component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repairs are on file at this repair station under Work Order **A-4737**

Date **10-21-83** Signed **[Signature]** for CRS 3409.

Crystal Shamrock, Inc. 6000 Douglas Drive No. Mpls., MN. 55429

DATE	IN SERVICE	SIGNATURE
The static pressure system and altimeter instruments were inspected and tested to an altitude of <u>20,000</u> feet and found to comply with FAR 91.171. The ATO transponder was tested and inspected <u>11/23/83</u> and found to comply with FAR 91.172(a). Automatic altitude reporting equipment was tested and calibrated <u>11/23/83</u> in compliance with FAR 91.35 (b). Transponder manufacturer King 1		
I certify that the altimeter and static system tests required by FAR Part 91.171 have been performed. The altimeter has been tested to <u>20,000</u> feet. A/C Tach Time <u>3642.40</u>		
CRYSTAL SHAMROCK CRS-3409 Signature <u>[Signature]</u> For CRS-3409 FAA Cert. # <u>2325974</u>		Signature <u>[Signature]</u> Date <u>11/23/83</u> Certification Number 3420

12-2-83 Tach 3642:47 Electrical & control check made. LT battery replaced due age 85. Gear cleaned, lubed, cycled. replaced nose gear steering horn arm, lubed flap actuator. Installed three lights in panel for Pilot heat, landing light, boost pump. Replaced beacon bulb. 4w A.D. 73-21-1 Flight control by lube, 4w A.D. 75-23-04 Part I & II Gear set lube & inspection

I certify that this aircraft has been inspected in accordance with a <u>100 hr</u> inspection and was determined to be in airworthy condition. <u>12/2/83</u> Tach & total a/c time <u>3642.47</u> hrs inspected a/c. see H.D. listing in front of log for compliance time.	Date <u>12/2/83</u> Signature <u>[Signature]</u> for CRS 3409	I certify that this aircraft has been inspected in accordance with a <u>annual</u> inspection and was determined to be in airworthy condition. <u>12/2/83</u> Tach & total a/c time <u>3642.47</u> hrs inspected a/c. see H.D. listing in front of log for compliance time. <u>[Signature]</u> for CRS 3409
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DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
6-8-84	TACH 3686	CERTIFIED R-NAV SYSTEM FOR IFR: R-NAV UNIT FOSTER AIR DATA AD-511G WITH STEERING ADAPTER SIOSA. DME IS WARIO DME-190. NAV Receiver IS KING KU-53. R-NAV STEERING IS ON KING ASTA HT-525A R-NAV WAS TEST FLOWN TO VERIFY THE ACCURACY OF SYSTEM. R-NAV SYSTEM MEETS REQUIREMENTS AND IS APPROVED FOR IFR ENROUTE & APPROACH CATEGORIES. SEE FAA FORM 337 FOR DETAILS - AIRCRAFT PANEL PLACARD FOR IFR.
		MAINTENANCE RELEASE The component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repairs are on file at this repair station under Work Order <u>15064</u> Date <u>6-8-84</u> Signed <u>[Signature]</u> for CRS 3409 Crystal Shamrock, Inc. 6000 Douglas Drive No., Mpls., MN 55429
9-7-84	TACH 3728	INSTALLED NEW AIRCRAFT ON LEFT SIDE CHECKED BALANCE - PAINTED AIP 476808522 JA Keith Way

12-14-84	Tach time 3767 hrs.	Performed Electrical lite check. Replaced R/H nav lite Bulb. checked control travel & stops. lubed jacked a/c cycled landing gear. greased & lubed. serigged landing gear. & checked overcenter pressures adjusted. Replaced R/H master cylinder & serviced brakes. Replaced Vac filter & bath Hygro filter drained all sumps. & check fuel strainers. tested E.L.T. Battery due for replacement. "OCT 85" C/W AD 73-21-01 Xmas links & check rigging. AD 75-37-04 landing gear actuator insp. AD 76-7-12 Bendix switch insp. q/c interior & exterior cleaned. I certify that this aircraft has been inspected in accordance with a <u>annual</u> inspection and was determined to be in airworthy condition. a/c total time 3767 hrs. Prap tis. MAH. 765 hrs. Tachy V. Carsten AIP 1896623JA
5/30/85	TACH 3808 hrs	REMOVED & REINSTALL AFTER OVERHAUL AIRSPEED INDICATOR & BLOW OUT PITOT LINE & TUBE Bruce J. Behrman AIP 47064414

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST																								
9/20/85	Tach Time: 3878.94		Total Time: INSTALLED FUEL FLOW TRANSDUCER AND FUEL LINES THAT WERE APPLICABLE. INSTALLED I/A/W STC # SE459GL SERVICE INSTRUCTIONS. FORM 337 WAS FILLED OUT, SEE ATTACH. Richard D. Moline II ATP 475887803																								
Sept 26, 1985			Install Edo-Cine Mitchell Trim System in accordance with furnished Manual VAS41. Installation approved under STC: SA30645W-00 Money Day 830123.																								
			<table border="0"> <tr> <td>Overcraft</td> <td>1752.41</td> <td>45.35</td> <td>79479.01</td> </tr> <tr> <td>Edo-Cine Trim System</td> <td>3.0</td> <td>120.1</td> <td>360.3</td> </tr> <tr> <td></td> <td>1755.41</td> <td>C.E.B 45.48</td> <td>79839.31</td> </tr> <tr> <td>New Empty Weight</td> <td>1755.41</td> <td></td> <td></td> </tr> <tr> <td>New Empty Center of Gravity</td> <td>45.48</td> <td></td> <td>CKS 3407</td> </tr> <tr> <td>New Useful Load</td> <td>984.59</td> <td></td> <td>T.S. / M</td> </tr> </table>	Overcraft	1752.41	45.35	79479.01	Edo-Cine Trim System	3.0	120.1	360.3		1755.41	C.E.B 45.48	79839.31	New Empty Weight	1755.41			New Empty Center of Gravity	45.48		CKS 3407	New Useful Load	984.59		T.S. / M
Overcraft	1752.41	45.35	79479.01																								
Edo-Cine Trim System	3.0	120.1	360.3																								
	1755.41	C.E.B 45.48	79839.31																								
New Empty Weight	1755.41																										
New Empty Center of Gravity	45.48		CKS 3407																								
New Useful Load	984.59		T.S. / M																								

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST
9/20/85	Tach: 3878.94		Removed Narco DME 190 and Foster Airdata DME Range block adapter. Installed Kn-64 DME S/N 9851 and Foster air data DME Range block adapter. DME Coupled to both navs and Foster air data Range S116. Ramp tested good. RNAV to be used for VFR Purposes only, and is placarded as such. Installed Coaxial relay to switch #2 Comm. Antenna from handheld portable comm to #2 Comm. Installed and wired fuel flow indicator (Shadin Co. Inc. "Miniflow"). All systems ramp check good. Installation completed using manufacturer's instructions and following ACA3.13 1A Chapter II, sections 23, 5 and 7 and 2A Chapter 2 and 3. Weight and Balance updated to reflect this installation. Michael L. L... FOR CRS 3409
MAINTENANCE RELEASE			
The component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repairs are on file at this repair station under Work Order <u>15718</u> Date <u>9/20/85</u> Signed <u>Michael L. L...</u> for CRS 3409. Crystal Shamrock, Inc. 6000 Douglas Drive No. Mpls., MN 55429			

12/9/85 3934.65 REPLACED VACUUM PUMP WITH NEW PUMP
 SAME MODEL # SER. # 3AA2526 ALSO REPLACED MAIN & FOAM VACUUM
 FILTERS. Bruce Behrend A2P470684414

1-4-86 tach 3936 hrs. Installed Precise Flight Inc. Standby
 Vacuum system & C/W S.B. #41285 Rev #1 shuttle Valve
 saddle kit. System flight tested as per Installation Instructions.
 Results installed in Aircraft Flight manual. 337 form
 sent to FAA.

Larry V. Gasson A2P18966234.

DATE	IN SERVICE	SIGNATURE
The static pressure system and altimeter instrument were inspected and tested <u>N/A</u> to an altitude of <u>N/A</u>. The altimeter was found to comply with FAR 91.171. The ATC transponder was tested and inspected <u>N/A</u> and found to comply with FAR 91.172(a). Automatic altitude reporting equipment was tested and calibrated <u>N/A</u> in compliance with FAR 91.36 (b). Transponder manufacturer <u>King</u> KT-762 s/n <u>18360</u> CRYSTAL SHAMROCK CRS-3409 Signature <u>Michael Miller</u> For CRS-3409 FAA Cert # <u>C10 3409</u> I certify that the altimeter and static system tests required by FAR Part 91.171 have been performed. The altimeter has been tested to <u>24,000</u> feet. A/C Tech Time <u>3943.51</u> Signature <u>Larry V. Gasson</u> Date <u>3/6/86</u> Certification Number <u>3420</u>		
3/5/86	TACH 3943.5	ELECTRIC & CONTROL CHECK MADE REPLACE BEACON BULB, & LEFT NAV BULB, REPLACE EIT BATT DUE SEPT 87 ADJUST AILERON STOPS TO OBTAIN PROPER TRAVEL, C/W AD 75-23-04 PARTS I & II C/W AD 73-21-01, PACKED ALL WHEEL BEARINGS, REPLACED ORINGS ON FUEL CAPS CHECK SUMPS, VENTS AND SCREEN, RESEAL BOTH BRAKE CALIPERS, REPLACE ALL BRAKE PADS, REPLACE RIGHT MAIN BRAKE DISC, INSTALL NEW BUSHINGS, BOLTS & SHIMS IN NOSE GEAR TO REMOVE PLAY, PATCHED CRACKED SKIN IN NOSE GEAR WELL. C/W AD 76-7-12 BENDIX SWITCH CLEAN AC INSIDE & OUT
AKTT 3943 PROPTSMOH 941 I certify that this aircraft has been inspected in accordance with a 100 hr inspection and was determined to be in airworthy condition. Bruce J. Behrend A2P470684414		

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST
3/6/86	tach time 3943.5 hrs.		Inspected a/c & checked AD notes for compliance see listings on Page #9 of this Book.
			I certify that this aircraft has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in <u>airworthy</u> condition.
			a/c total time 3943.5 hrs. Prop TSMOH. 941. hrs. Larry V. Cassem ATP1896623IA.
4/5/86	tach time 3945. hrs.		C/W AD 85-24-03 (Mooney SB 229 & SB 230) fuel cap o-rings & fuel tank water entrapment. Larry V. Cassem ATP1896623IA.
1/3/86	TACH 4010.99		INSTALLED NEW REBAT R-35 BATT, PAINT BATT BOX, AIR TIRES, INSTALL NEW PC SWITCH ON RIGHT SIDE OF LEFT YOKE Bruce Behrman ATP470684414

DATE	IN SERVICE	SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST
5/23/86	Tach: ³¹⁵⁰		IFR Certified previously installed RNAV System - RNAV Unit is a Foster Airdata AD5116 with steering adapter 51DSA. DME is a KN-64 (King) Nav receiver is a King KN-53. RNAV steering is coupled to a King KIS25 Indicator. RNAV was test flown for accuracy of System. RNAV System meets Requirements and is approved for IFR Enroute and approach categories. Aircraft placard for IFR. See FAA Form 337 Details. Michael L. Behrman
			MAINTENANCE RELEASE The component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repairs are on file at this repair station under Work Order <u>6600</u>
			Date <u>5/23/86</u> Signed <u>Michael L. Behrman</u> for CRS 3409 Crystal Shamrock, Inc. 6000 Douglas Drive No., Mpls., MN 55429
12-11-86	4048. TACH.		Replaced ATTITUDE Gyro & W. In. 86174 C. Martineau ATP1690547

FOR CRS 3409

DATE	IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
Date	3-19-87	Airplane Time 4061.11 hrs
Installed	Hestjell	40-224K-18F/E7666A-2 Propeller
Serial No.	CH-2952	, which was overhauled
by MAXWELL AIRCRAFT SERVICE, INC. "PROP SHOP"		12-21-77 & Hestjell Bulletin
MINNEAPOLIS, MINN., REPAIR STATION NO. 3725.		76.31, 118C, 142B + 145A.
A description of the repair is on file at that		Tachometer checked OK.
agency under Work Order No. 83554		KE W. LaFwell A/F 90264-41
Dated	3-19-87	
4/1/87	Tech 4061	electrical and control check done lube ac and landing gear clam, AC, CW AD 75-23-04 gear actuator part II change left brake disc, replaced rod ends on nose gear doors, put close tolerance hole on top of nose gear steering truss for steering removed corrosion behind battery, went on belly & repainted, rotate RH trim CW AD 76-7-12 Bendix switch, CW AD 73-21-01 Rod ends
ACT 4061	PROPTSMON O	
ENG TSMON 997	Bruce F. Schumme	
A/P 4706844141A		
		I certify that this <u>AIRFRAME</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition.
		PRO AIR AVIATION

DATE	IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
11/24/87	Tech 4188	Inspected per SB M20-208A found No water leakage nor any sign of corrosion. Installed Insulation Kit # SB2080A-1 per instructions in SB M20-208A Aircraft Returned to service J. MacLund
		A/P 503967606

DATE	IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
4/1/88	Tach 4192 A/F Total Time 4192	
Jack A/C and Remove Trip Panels and Access Covers. Change Vacuum FILTERS Change wheel bearings in NOSE and Pack main wheel bearings. Replaced E/H Battery New Due Date 2/90 Check & Lube Airframe Controls and Landing Gear. Perform Gear Retraction and Emergency Extension. Complete 100hr Inspection on Airframe JAW money Checklist and Service manual. C/W AD 73-21-01 Part A by Lubrication Due Again at 4292 C/W AD 73-21-01 Part C by Landing Gear Retraction Due Again 4292 C/W AD 75-23-04 Part I by Inspection Due Again at 4392 C/W AD 75-23-04 Part II by Greasing Actuator Due Again at 4292 C/W AD 174-07-12 By Ground 2/88 Runup Inspection Due Again at 4292		
Due 4/1/88	Tach/TA 4192	91.171 Airframe 4/88
91.172 Transponder 2/88	E/H Battery Due 2/90	
A/C Weight Due N/A	Fire Extinguisher N/A	
Oxygen Hydro Test N/A	Engine TSMON 1128	
Prop TSMON 131	Magneto TSMON L 1128 R 1128	
Tach/Charger TSMON N/A	Right Engine TSMON	
Prop TSMON	Magneto TSMON L R	
Tach/Charger TSMON		
		I Certify this Aircraft/Engine has been inspected and found to be in Airworthy condition and has been determined to be in Airworthy condition. Name <u>Michael L. Condon</u> Block # <u>4247760442A</u>

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERT. NO. OF P
The static pressure system and altimeter instrument were inspected and tested <u>4/14/88</u> to an altitude of <u>20</u> thousand feet and found to comply with FAR 91.171. The ATC transponder was tested and inspected <u>4/14/88</u> and found to comply with FAR 91.172(a). Automatic altitude reporting equipment was tested and calibrated <u>4/14/88</u> in compliance with FAR 91.36 (b). Transponder manufacturer <u>KING</u> <u>KT-76A</u> s/n <u>158660</u>		
CRYSTAL SHAMROCK CRS-3409 Signature <u>Michael L. Condon</u> For CRS-3409 FAA Cert. # <u>002-3409</u>		<u>ALTIMETER:</u> <u>KOLLMAN PIN 371K-05</u>

DATE	IN SERVICE	SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
4/3/89	Tach 4348	Airframe Total Time 4348
Remove inspection panels and access covers. Jack aircraft and pack wheel bearings and replace brake pads. Perform gear retraction and emergency extension. Check lights and electrical systems. EIT battery due 2/90. Fill brake reservoir. Repair defroster hose. Replace gear down microswitch and adjust for proper operation. Check fuel screen. Reinstall Inboard right fuel cover on lower wing and check for leaks. Change vacuum filter. Complete Annual Inspection on airframe TAW Mooney Service Manual.		
clw AD 73-21-00 Part A by Lubrication Due Again at 4448		
clw AD 73-21-01 Part C by Gear retraction Due Again at 4448		
clw AD 75-23-04 Part I by Inspection Due Again at 4548		
clw AD 75-23-04 Part II by Greasing Actuator Due Again at 4448		
clw AD 76-07-12 By Checking mag Switch for Gnd. Due Again 4448		
Date 4/3/89	Tech/Vtr make 4348	81.177 Approver 4/90
81.172 Technician 4/90	EIT Battery Due 2/90	
A/C Weight Due N/A	Fire Extinguisher N/A	
Oxygen Mdn Test N/A	Engine TSMOW 1284	
Prop TSMOW 287	Magneto TSMOW 1284	
I Certify this Aircraft has been inspected and Annual Inspection and has been determined to be in Airworthy condition		Name Daniel D. Danjan Mech # AP477806044JA

DATE	IN SERVICE	SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
7-28-89	Tach reads 4423 ¹ hrs	Installed new wing tank drain valves TAW Mooney S/B no. M20-188A dated 1-24-80
		Mike Kuehn AP470784682
8-16-89	4433.48 TACH.	LOW ALTERNATOR OUTPUT —
		REMOVED: PRESTOLITE ALY 8403, S/N 7B060252 60 AMP. ALTERNATOR
		INSTALLED: PRESTOLITE ALY 8420R, S/N 9070399 60 AMP. ALTERNATOR REBUILT BY ELECTROSYSTEMS.
		RUN-UP CHECK OK - 14.1 V.D.C. AT 1000 R.P.M. WITH ALL LIGHTS ON.
		Jeff Thompson AP484701302
		REF. GRAHAM AUTOMOTIVE INVOICE: #12419

DATE	IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
9/14/89	Tach 4446.98	Remove Alternator Low Output Installed Electrosystems rebuilt Prestolite Part# ALY8420R ser# 9090311 ESI P/N 02038 Run up test good 14.1 volts 70 amps at 1000 RPM. CW AD 73-21-01 Part A+C CW 75-23-04 Part II CWAD 76-07-12. CHANGE Panel light Bulbs Bruce J Behrens ACP470684414
10 20 89	TT 4471	installed LAKE Aero Styling Kit 100-101-105 (100 Flap) Gap Seals 101 Aileron Lower Gap Seal 105 Tail Root Fairing - See 337 and work order 5865 AT Willmar Air Service Dr. Hayden CRS IIR 013F
4/2/90	Tach 4485.65	Electrical and control check done CW AD 73-21-01 Parts A+C by lubing & checking rigging CW AD 76-07-12 checking off CW AD 75-23-04 Part I Part II due at 4585 Change elt Batt due Feb 92 Replace fuel cap orings Replace (cont.)

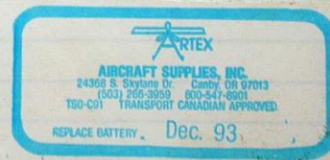
DATE	IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
4/2/90	Forward rod end right Aileron Replace push rod for left aileron, Removed Birds nest from tail Rebuilt left master cylinder and left Brake caliper. Install volt meter see 337 form this date update equipment list	I Certify this Aircraft/Engine has been inspected MAW 100 hr/Annual Inspection and has been determined to be in Airworthy condition Name <u>Bruce J Behrens</u> Mech # <u>ACP470684414</u> ACTT 4485.65 Prop Tech 424
June 25 1990	Tach Time 4519	installed LAKE Aero Styling Kit 131 Cowl Closure Fairing See 337 and work order 1021 at Willmar Air Service THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATION OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION. UNDER ORDER 1021 DATE 6-25-90 SIGNED <u>Hayden</u> FOR WILLMAR AIR SERVICE INC. GCS HRR018F

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST
7-24-90	Tach 4532 ⁷³ hrs		Installed Updon Boost Pump P/N 8163-A using fuel Boost Pump Retrofit Kit and tested checked system Mike Kuehn ATP 470784682
3-22-91	Tach 4604 hrs		100 hr inspection per checklist checked and lubed controls, serviced Battery, checked ELT for operation Battery due date Feb 92, repacked wheel bearings, swing gear, perform emergency gear extension
C/w AD	73-21-01		Part A by lubrication Due again at hrs 4704
C/w AD	73-21-01		Part C by gear retraction Due again at hrs 4704
C/w AD	75-23-04		Part I by inspection Due again at hrs 4804
C/w AD	75-23-04		Part II by greasing actuator Due again at hrs 4704
C/w AD	76-07-12		By checking mag switch Due again at hrs 4704
C/w AD	84-26-02		By replacing induction air filter Due again at 5104 hrs
I certify this Aircraft/Engine has been inspected and found to be in Airworthy condition Name <u>Mike Kuehn</u> Mark # <u>ATP 470784682</u>			

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST
3/22/91	Tach 4604		A/F Total Time 4604 I certify this airframe has been inspected and found to be in an airworthy condition at this time <u>Mike Kuehn ATP 470784682</u>
5/21/91	Tach 4627 hrs		remove forward cowling latch & replace with new Bruce Johnson ATP 470784682
9/19/91	Tach 4664 ²⁵ hrs		removed altimeter was repaired and tested by Williams Instrument service with 42961 dated 9-17-91 and installed Mike Kuehn ATP 470784682
I certify that the altimeter, static system, transponder, and altitude reporter test required by FARs 91.411, 91.413 & 91.217 have been performed and found to be within the limits of FAR 43 appendices E & F and AG 43.6a. TESTED TO 20,000 Feet 9/19/91 Transponder: Mfg. <u>KING</u> Model <u>KT-76A</u> S/N <u>18860</u> Encoder: Model <u>ARCO</u> P/N <u>AR-50</u> S/N <u>11887</u> Altimeter #1: Mfg. <u>Kollsman</u> P/N <u>371K-05</u> S/N <u>11345</u> Altimeter #2: Mfg. <u>—</u> P/N <u>—</u> S/N <u>—</u> CRYSTAL SHAMROCK QB2R103L Signature <u>Mike Kuehn</u> for QB2R103L			

DATE	IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
10-28-91	4687.0	I certify that this <u>Airframe</u> has been inspected in accordance with <u>100 HR</u> inspection and was determined to be in airworthy condition. Date <u>10-28-91</u> Tack Time <u>4687.0</u> Total time <u>4687.0</u> Inspectors Signature <u>[Signature]</u> <u>AP 449728783</u>
10-28-91	4687.0	Installed Flight Recording meter and Airframe Recording meter. Both meters Read 0000.0 AT Installation. Airframe Recording meter To be used for Future Record Keeping. <u>[Signature]</u> <u>AP 449728783</u>
11-08-91	2.5	C/W AD 90-04-06 R1 by Replacement of External Oil line to Rear mounted Governor. <u>[Signature]</u> P/W 75730 line Installed. <u>[Signature]</u> <u>AP 449728783</u>

2-9-92	053.2	I certify that this <u>AIRFRAME</u> has been inspected in accordance with <u>50 HR</u> inspection and was determined to be in airworthy condition. Date <u>2-7-92</u> Tack Time <u>053.2</u> Total time <u>4740.2</u> Inspectors Signature <u>[Signature]</u> <u>AP 55540607</u>
22 MAR 92	TACH 4768.57	FLIGHT HOBBS 92.7, MAINTENANCE HOBBS 55.0, ENGINE REMOVED FROM AIRCRAFT FOR OVERHAUL, RE-INSTALLED ENGINE S/N R1-44251A ON AIRCRAFT N6822V, MODEL M20F, S/N 23-0007. <u>[Signature]</u> <u>AP 527596455</u> END
23 MAR 92	55.0	Replaced ELT Batteries. Functional check - Normal Next Replace next one 12-93 <u>[Signature]</u> <u>AP 449728783</u>
4-01-92	55.0	This Aircraft has been inspected and found to be Airworthy for A One Time flight from Santa Monica, CA to North Las Vegas Airport <u>[Signature]</u> <u>AP 449728783</u>



DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
4-8-92	56.5	I certify that this <u>AIRFRAME</u> has been inspected in accordance with <u>ANNAI</u> inspection and was determined to be in airworthy condition. Date <u>4-8-92</u> Tack Time <u>26.5</u> Total time <u>4743.5</u> Inspectors Signature <u>George E. Jones</u> <u>AD 73-21-01</u> <u>AP 449 728783</u> <u>AD 75-09-08</u> <u>AD 75-23-04</u> <u>AD 76-07-12</u>
5-21-92	108.3	I certify that this <u>AIRFRAME</u> has been inspected in accordance with <u>6.58 NA</u> inspection and was determined to be in airworthy condition. Date <u>5-21-92</u> Tack Time <u>108.3</u> Total time <u>4795.2</u> Inspectors Signature <u>Donald B. Brady</u> <u>AP 585840607</u>
6-26-92	135.8	INSTALLED ADC-OBERG OIL FILTER SYSTEM P/N 600010-1 IN ACCORDANCE WITH STC SA4172NM SEE FAA FORM 337 DATED 6-26-92. <u>Donald B. Brady</u> <u>AP 585840607</u> DATED 6-5-92
7-2-92	145.5	C/W AD 92-12-10 I/A/W Para. (a), (1) AND (2) OF AD. NEXT COMPLIANCE DUE 156.5 MINUT HOURS <u>Donald B. Brady</u> <u>AP 585840607</u>

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
7-9-92	155.3	I certify that this <u>AIRFRAME</u> has been inspected in accordance with <u>100 HR</u> inspection and was determined to be in airworthy condition. Date <u>7-9-92</u> Tack Time <u>155.3</u> Total time <u>4842.2</u> Inspectors Signature <u>Donald B. Brady</u> <u>C/W AD'S 73-21-01</u> <u>AP 585840607</u> <u>75-09-08</u> <u>75-23-04</u> <u>76-07-12</u> <u>92-12-10</u>
7-24-92	174.1	PTD 07-09-92 AD 92-15-16 Doc. NO. 92-ANR-31 C/W N/A Fuel Injected Engine <u>George E. Jones</u> <u>AP 449 728783</u>
08-05-92	178.9	Complied with AD <u>92-12-05</u> DTD: 07-10-92 Amendment No. <u>39-8265</u> I/A/W <u>PARA (C)(1) of AD</u> Time C/W <u>178.9</u> Next Due <u>N/A</u> Signature <u>George E. Jones</u> <u>08-05-92</u> Certification No. <u>AP 449 728783</u>
8-24-92	180.8	Test Flight of Aircraft Completed for Reinstallation of Engine & Propellor No Abnormal Indications Phil. By 526915734 (FJAME/BA)

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
9-12-92	213.8	I certify that this <u>AIRFRAME</u> has been inspected in accordance with <u>Co. 50 HR</u> inspection and was determined to be in airworthy condition. Date <u>9-12-92</u> Tach Time <u>213.8</u> SMOH: <u>N/A</u> Total Time <u>4900.7</u> Inspectors Signature <u>Donald B. Brady</u> Certification No. <u>AP 585840607</u>
11-27-92	253.3	I certify that this <u>AIRFRAME</u> has been inspected in accordance with <u>100 HR</u> inspection and was determined to be in airworthy condition. Date <u>11-27-92</u> Tach Time <u>253.3</u> SMOH: <u>N/A</u> Total Time <u>4940.2</u> Inspectors Signature <u>Donald B. Brady</u> Certification No. <u>AP 499728138</u> c/w AD's 73-21-01 75-09-08 75-23-04 76-07-12 92-12-10
2-16-93	306.8	I certify that this <u>AIRFRAME</u> has been inspected in accordance with <u>Co. 50 HR</u> inspection and was determined to be in airworthy condition. Date <u>2-16-93</u> Tach Time <u>306.8</u> SMOH: <u>N/A</u> Total Time <u>4993.7</u> Inspectors Signature <u>Donald B. Brady</u> Certification No. <u>AP 585840607</u>

3-26-93	339.1	Complied with AD <u>93-05-21</u> Due No. <u>93-ANE-16</u> DATED - <u>3-17-93</u> Amendment No. _____ Rev/Eff. date _____ Date C/W <u>3-26-93</u> I/A/W <u>PARA (C) OF AD</u> Time C/W <u>339.1</u> Next Due <u>N/A</u> Signature <u>Donald B. Brady</u> Certification No. <u>AP 585840607</u>
5-1-93	352.1	I certify that this <u>AIRFRAME</u> has been inspected in accordance with <u>ANNUAL</u> inspection and was determined to be in airworthy condition. Date <u>5-1-93</u> Tach Time <u>352.1</u> SMOH: <u>N/A</u> Total Time <u>5039.0</u> Inspectors Signature <u>Donald B. Brady</u> Certification No. <u>AP 585840607 IA</u> c/w AD's 73-21-01 75-09-08 75-23-04 76-07-12 92-12-10 REF: ANNUAL INSP. FORMS DATE 5-1-93
6-20-93	404.3	I certify that this <u>AIRFRAME</u> has been inspected in accordance with <u>Co. 50 HR</u> inspection and was determined to be in airworthy condition. Date <u>6-20-93</u> Tach Time <u>404.3</u> SMOH: <u>N/A</u> Total Time <u>5091.2</u> Inspectors Signature <u>Christopher Lora</u> Certification No. <u>AP 499728007</u>

DATE	IN SERVICE	SIGNATURE	CERTIFICATION NO.
6-30-93	412.3	Complied with AD <u>93-02-05</u> Amendment No. <u>39-8489</u> Rev/Eff. date <u>6-14-93</u> Date C/W <u>6-30-93</u> I/A/W <u>Lyc SB # 342A Dated 5-26-92</u> Time C/W <u>412.3</u> Next Due <u>512.3</u> Signature <u>Donald B. Bready</u> Certification No. <u>AP 585840607</u>	
9-17-93	451.3	I certify that this <u>AIRFRAME</u> has been inspected in accordance with <u>100 HLR</u> inspection and was determined to be in airworthy condition. Date <u>9-17-93</u> Tach Time <u>451.3</u> SMOH: <u>N/A</u> Total Time <u>5138.2</u> Inspectors Signature <u>Christopher E. Lora</u> Certification No. <u>AP 44478047</u>	C/W AD <u>73-21-01</u> <u>75-07-08</u> <u>75-23-04</u> <u>76-07-12</u> <u>93-02-05</u> REF. 100 HLR Insp. FORM DATED <u>9-17-93</u>
11-28-93	501.3	I certify that this <u>AIRFRAME</u> has been inspected in accordance with <u>100 HLR</u> inspection and was determined to be in airworthy condition. Date <u>11-28-93</u> Tach Time <u>501.3</u> SMOH: <u>N/A</u> Total Time <u>5188.2</u> Inspectors Signature <u>Christopher E. Lora</u> Certification No. <u>AP 44478047</u>	

12-20-93	522.0	REPLACED ECT BATTERY. FUNCTIONAL CHECK NORMAL NEXT REPLACEMENT DATE NOV. 95 <u>Christopher E. Lora AP 44478047</u>	
2-2-94	550.9	I certify that this <u>AIRFRAME</u> has been inspected in accordance with <u>100 HLR</u> inspection and was determined to be in airworthy condition. Date <u>2-2-94</u> Tach Time <u>550.9</u> SMOH: <u>N/A</u> Total Time <u>5237.8</u> Inspectors Signature <u>Donald B. Bready</u> Certification No. <u>AP 585840607</u>	C/W ADS <u>73-21-01</u> <u>75-07-08</u> <u>76-07-12</u> <u>93-02-05</u> <u>75-23-04</u> REF. 100 HLR Form DATED <u>2-2-94</u>
3-2-94	568.7	Complied with AD <u>94-01-03</u> Amendment No. <u>39-8785</u> Rev/Eff. date <u>3-3-94</u> Date C/W <u>3-2-94</u> I/A/W <u>N/A By Magnetic Data plate & 8.1</u> Time C/W <u>568.7</u> Next Due <u>N/A</u> Signature <u>Donald B. Bready</u> Certification No. <u>AP 585840607</u>	

