

COLOR INFORMATION

N 5289D SN 25-1192

Painted

COLOR MATELON WHITE COLOR NO. 570-550 MFG PYL

STRIPES QUARTER BLUE COLOR NO. 10-20451 MFG PYL

STRIPES SAPPHIRE BLUE COLOR NO. 10-20432 MFG PYL



MOONEY AIRCRAFT CORPORATION

P.O. BOX 72, KERRVILLE, TEXAS 78029-0072

ARTEX AIRCRAFT SUPPLIES, INC.
10714 S. Township Rd. Candy, OR 97016
(503) 266-3668 800-547-6871

LOG BOOK ENTRY
ELT BATTERY
REPLACEMENT DATE SEP-95



MODEL SA-

AIRCRAFT RECORD - GENERAL INFORMATION

MANUFACTURER Mooney Aircraft Corp. MODEL M20R SERIAL 25-1192
 REGISTRATION NUMBER N5289D DATE MFG. 1989

ENGINE(S) CURRENTLY INSTALLED.
 CONTINENTAL MODEL T510-360-MB(1) SERIAL 317200
 MODEL T510-520-NB17B SERIAL 290697-R

PROPELLER(S) CURRENTLY INSTALLED.
 McCauley MODEL 3AF32C505C SERIAL 941641
 MODEL 881124

HUB MODEL 2A34C224 SERIAL 18063 SERIAL VL231
 BLADE MODEL 90DHC-16E SERIAL VL201 SERIAL VL231
 BLADE MODEL G-82NEA-5.5 SERIAL VL201 SERIAL VL231

The Standard



AIRCRAFT LOG

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1959				
11/2/58			1.9	PRODUCTION FLIGHT TEST COMPLETED THIS DATE. THIS AIRCRAFT INSPECTED NEW AT FACTORY AND FOUND TO BE AIRWORTHY. <i>Paul A Smith 910050</i> THIS AIRCRAFT HAS BEEN FLIGHT TESTED IN ACCORDANCE WITH MOONEY AIRCRAFT SPECIFICATION 020009 AND FOUND SATISFACTORY.
1/3/59			3.5	<i>Paul A Smith</i> <i>For F.A. F. Worth Ag.</i>

North Reg.

Mooney Aircraft Corporation

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

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1987				I certify that A T C Transponder tests required by FAR 91.172 have been performed.
				I certify that the Altimeter and Static System tests required by FAR Parts 91.171 have been performed. The altimeter has been tested to 35,000 feet. <i>Money Aircraft Corp. TC 2A3</i> <i>By [Signature] 1-6-89</i>
				I find that the aircraft meets the requirements for the certification requested <i>[Signature] 1-6-89</i> <i>TC 2A3</i>
				I certify that the encoding altimeter tests required by FAR 91.36(b) have been performed. <i>[Signature] 1-6-89</i> <i>TC 2A3</i>
				The next annual inspection is due 1-6-90 " <i>[Signature] 1-6-89</i> <i>Signed: [Signature]</i>

TS, REPAIRS AND ALTERATIONS
RATING AND CERTIFICATE NUMBER OF
PAGES FOR OTHER SPECIFIC ENTRIES.)

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2-18-89		36	NRS NIN JAT	This date I replaced King RT 76A temperature SN 65400 with like part unit, new.
				SN 67604.
				Sam A. Nares ATP 309660405
31 March 1989	Time 789 hrs			Replaced Load/Volt meter (SN 001006)
				Replaced RT Landing lite bulb. Repositioned air filter can to clear the cowling.
				Joe H. Lang
				ADP 1825468

TS, REPAIRS AND ALTERATIONS
RATING AND CERTIFICATE NUMBER OF
PAGES FOR OTHER SPECIFIC ENTRIES.)

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[illegible]

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
10-30 1987				
10-30	Installed		WX-1000 Stenscope, 6128 Loran, Dav. R. Check	
	Intercom, Replace			KI-202 w. 14 KI-206 Nav Ind and Replaced
	KI-227.00 with			KI-227-01. All work done incorporated w. 14
	AC-43.13-1A,			AC-43.13-2A And mfgs Installation Manual
	Equipment List			Revised, Weigh & Balance Computed &
	enter in A/C			Records & below. For more info see
	337 This Date,			
				<i>Signature</i>
	New EW		2085.15	
	New CG		43.54	
	New Mon		90,775.	
	New AL		814.85	

TOMLINSON AVIONICS, INC.

RTE. 3, BOX 106

PINE BLUFF, AR 71601

FAA approved repair station #206-2

DATE	RECORDING TACH TIME
10-30-89	REP
PIV 42-802	
28 Nov 1985	

AND ALTERATIONS
CERTIFICATE NUMBER OF
OTHER SPECIFIC ENTRIES.)

RECEIVED

and Replaced

reference w/yl

National Manufacture

improved +

info See

[Signature]

ICS, INC.

106

71601

Station #206-2

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

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10-30-89	REPLACED	#1		VOLTAGE REGULATOR WITH FACTORY UNIT
PLN VR-802	SLN 0069			GROUNDING OPERATIONAL CHECK OK.
				Shaker & Murren AXP 2159379
28 Nov 1989	Robbs reads	2		22.1 CH S.B. m20-245 by revising the over-voltage circuit. CH S.B. m20-247 by installing a second ground to voltage regulator. CH S.B. m20-86A by reconting the #2 field wire JPL H Langston APP 1825468
				Murray Factory Service Center San Antonio, TX

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
12-20-1989	266.3		266.3	Annual inspection, Jacked AIRCRAFT checked landing gear Retraction and gear downlock per load. Checked landing gear emergency extension, lubricated flight control hinge points, Rod end bearings, bell cranks and landing gear moving parts. Cleaned and Repacked All wheel bearings- Replaced all brake pads. Replaced left main tire 600-6, 6ply. Cleaned Fuel screen and battery box, serviced battery. Replaced sea landing light, Replaced EFT battery Exp. Dec. 91. U/W AD 85-24-03 Part B per Mooney SIB M20-229A Replaced Fuel Caps O'Kings, inspected interior and out.

Annual inspection, Jacked Aircraft checked landing gear retraction and gear downlock per load. Checked landing gear emergency extension, lubricated flight control hinge points, Rod end bearings, bell cranks and landing gear moving parts. Cleaned and Repacked all wheel bearings. Replaced all brake pads. Replaced left main tire 600-6, 6ply. Cleaned fuel screen and battery box, serviced battery. Replaced left landing light. Replaced EAT battery Exp. Dec. 91. C/w AD 85-24-03 part B per Mooney SIB M20-229A Replaced Fuel Caps O'Kings, inspected interior and exterior of wing fuselage and empennage.

Bonnie Kramer 464868605 AEP

[illegible]

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266. 3

266.3

Aircraft checked landing gear
unlock per load. Checked
extension, lubricated flight
tend bearings, bell cranks and
parts. Cleaned and Repacked
placed all brake pads. Replaced
ply. Cleaned fuel screen and
battery. Replaced sea landing
battery Exp. Dec. 91. C/w
see Mooney SIB M20-229A
Kings, inspected interior
usage and empennage.
Kramer 464868605 ACP

[illegible]

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				I certify that the altimeter, encoding system, and static system test required by FAR 91.411 have been performed this date. The altimeter sn/ <u>AEO26</u> was tested to <u>30K</u> ft. on <u>9-4-90</u> .
				Signature <u>Brady N. Gerry</u>
				Date <u>9-4-90</u>
				Certified Repair Station #206-2
				I certify that the transponder test required by FAR 91.413 has been performed this date and found to comply. Transponder <u>KT 76A</u> make & model <u>67604</u> Date <u>9-4-90</u>
				sn/ <u>67604</u> make & model <u>67604</u> Date <u>9-4-90</u>
				Signature <u>Brady N. Gerry</u>
				Certified Repair Station #206-2

TOMLINSON AVIONICS, INC.
RTE. 3, BOX 106
PINE BLUFF, AR 71661

AA approved repair station #206-2

DATE 19__	RECORDING TACH TIME
<u>10-5-90</u>	<u>500 X 5 62</u>
<u>Beacon</u>	<u>Performance</u>
<u>1-2-91</u>	<u>Hobbs 583.6</u>

PAIRS AND ALTERATIONS
AND CERTIFICATE NUMBER OF
FOR OTHER SPECIFIC ENTRIES.)

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DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
10-5-90	Hour		meten	523.2 Replace Nose Gear Tire. Installed
500 X5	6ply	Flint	Custom II	Tube Type Tire. Hare wheel
Bearings	Cleaned	and	Repacked.	Leaving Gear Retract Test
Performance	OK			Dail Lower Cap
				AP 587768674
1-2-91				Annual inspection, Jacked AIRCRAFT checked landing
Hobbs	583.6			gear Retraction and gear downlock pre load. Checked
				landing gear emergency gear extension lubricated
				Flight control hinge points. Rod end bearings, bell
				CRANKS AND landing gear moving parts. Cleaned
				Fuel screen Reinstalled with new seals. Cleaned

ND ALTERATIONS CERTIFICATE NUMBER OF OTHER SPECIFIC ENTRIES.)

Used All brake
185-24-03 Part B
used for landing
prior and exterior

051A

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
12-4 1991	765.5			Replace gear actuation wiring & wrapper to prevent further chafing W.O. 8855
				Mooney Aircraft Corp CRS 1543282015
				J.H. Jan
12-19-91	767.1			Removed Apollo 618 Loran. Installed Terra TR120 radar altimeter, Northstar Loran, static wicks and Argus 3000 moving map. Stripped, repainted and rebalanced control surfaces per Mooney Specs.
				FAR 337 completed this date. Aircraft weight and balance and equipment list amended this date. W.O. # 8856
				Mooney Aircraft Corp RS FHAR620K Hubert G. Liles

DAT 19 9

Mooney M20K N5289D S/N 25-1192 January 22, 1992

I certify that the Altimeter, Automatic Pressure Altitude Reporting and Static Systems tests and inspections required by FAR 91.411 have been performed and found to comply with FAR Part 43, Appendix E.

I certify that the ATC Transponder Tests and inspections required by FAR 91.413(a) have been performed and found to comply with FAR Part 43, Appendix F.

Mr. M. 23867h

CINEMA AIR AVONICS

F.A.A. APPROVED REPAIR STATION NO. JRP2350F

2056 Palomar Airport Road

Carlsbad, CA 92008

[illegible]

DATE	RECORDING TACH TIME
1991	
12-20	767.1
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Altitude Reporting
by FAR 91.411
Part 43, Appendix

ctions required
comply with

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
12-20 1991	767.1			Repositioned cabin door seal. Replaced R/L/H brake linings. Replaced L/H M/G bearing. Replaced ELT battery (expiration June, 1993). O ₂ bottle hydrostatically tested by Cylinder Maintenance and testing, San Antonio, TX. Replaced R/L/H M/G tires. Replaced cabin door sill. Performed gear retraction test and checked downlock preload. C/W AD 65-24-3 part 6 by replacing fuel cap O-rings. It is evident that this aircraft has been inspected in accordance with an annual inspection and it has been determined to be in an airworthy condition. W.O.# 8856 Mooney Aircraft Corp AS FH2R820K Richard G. Miller

ONS
MBER OF
ENTRIES.)

REPAIRS AND ALTERATIONS
 TING AND CERTIFICATE NUMBER OF
 AGES FOR OTHER SPECIFIC ENTRIES.)

S/N ~~33568~~ 30232

At Corp TC 2A3

[Signature]

S/N 7170170

SERVICE, INC.

LA 91728

STATION 4755

[Signature]

IONS
 UMBER OF
 ENTRIES.)

Mooney M20K N5289D S/N 25-1192 January 22, 1992

Removed Altimeter and TERRA Blind Encoder and installed KING
 KEA-130A Encoding Altimeter and KAS-297B Altitude Preselect.

Revised weight and balance and updated equipment list. All
 work accomplished in accordance with acceptable methods and
 techniques as set forth in A.C. 43.13-1A and A.C. 43.13-2A.
 See FAA Form 337 this date for details

April 1, 1992 N5289D Joe Buffington M20K Mooney s/n 25-1192

Removed bad KING KEA-130A and installed KING KEA-130A S/N 1204.

I Certify that the altimeter, automatic pressure altitude report-
 ing and static systems tests and inspections required by FAR
 91.411 have been performed and found to comply with FAR Part 43,
 Appendix E.

Cinema Air Avionics
 JRP2350F

2056 'V' Palomar Airport Rd. W.O. 5336
 Carlsbad, CA 92008

619 438 1305
[Signature] 2386712

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1972				
26 Mar 92				Removed King KEA-130A + installed Exchange King KEA-130A, SN: 1222 + recertified system see W.D 5319 for details Mch 28 238671
I CERTIFY THAT THE ALTITUDE, AUTOMATIC PRESSURE ALTITUDE REPORTING, AND STATIC SYSTEMS TESTS AND INSPECTIONS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED AND FOUND TO COMPLY WITH FAR PART 43, APPENDIX E, ALTIMETER TESTED TO 20,000 FT.				
PILOT ALTIMETER SERIAL NO.		1222		
COPILOT ALTIMETER SERIAL NO.				
DATE 26 Mar 92	SIGNATURE	[Signature]		
CINEMA AIR AVIONICS		DATE 26 Mar 92 SIGNATURE [Signature]		
FAA CERTIFICATE NO. JRP2350F		CINEMA AIR AVIONICS		
2056 'V' PALOMAR AIRPORT RD. WORK ORDER NO. 5319		FAA CERTIFICATE NO. JRP2350F		
CARLSBAD, CA 92008	TELEPHONE (619) 438-1042	2056 'V' PALOMAR AIRPORT RD. WORK ORDER NO. 5319		
		CARLSBAD, CA 92008 TELEPHONE (619) 438-1042		

Joliet Aviation
DuPage Airport
West Chicago
Hobbs: 888,9
Removed North
2010 ACU, Inc.
011-00013-00
references (18)
entered in app
Install and/or removal Addition
as listed in Major Alteration
Date 3-7-72 Work Order
on file at Joliet Aviation, Inc.
New Aircraft Empty Weight
New Aircraft EWCG
New Aircraft Useful Load
Signed By [Signature]
JOLIET AVIONICS
DuPage Airport
West Chicago, IL 60188
FAA Approved Repair Station

INS, TESTS, REPAIRS AND ALTERATIONS
NAME, RATING AND CERTIFICATE NUMBER OF
THE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

+ installed Exchange
1222 + recertified system
for details Mch 238671

HAT THE ATC TRANSPONDER TESTS AND
IS REQUIRED BY FAR 91.413(a) HAVE
ORMED AND FOUND TO COMPLY WITH
APPENDIX F

DER NO. 1 SERIAL NO. 67604
DER NO. 2 SERIAL NO.

DER SIGNATURE *W. L. S.*
FAVONICS

CATE NO. JRP2350F
LUMAR AIRPORT RD. WORK ORDER NO.
5315

CA 92008 TELEPHONE (619) 438-1042

DATE

19

Joliet Avionics, Inc.

DuPage Airport

West Chicago, IL 60185

Hobbs: 888.9

Removed Northstar MI Loran, Northstar CI-12ISP Loran Antenna and Northstar
2010 ACU. Installed Garmin GPS-100 Global Positioning System, Garmin
011-00013-00 GPS Antenna and Garmin 011-00013-00 GPS Rack. Form 337
references GPS installation. Weight and Balance has been computed and
entered in appropriate aircraft paperwork.

Install and/or removal Avionic Components
as listed in Minor Alteration Form

Date 5-4-92 Work Order No. 136798

on file at Joliet Avionics, Inc.

New Aircraft Empty Weight: 2089.53

New Aircraft EWCG: 43.48

New Aircraft Useful Load: 810.47

Signed By *W. L. S.*
JOLIET AVIONICS, INC.

DuPage Airport
West Chicago, IL 60185
FAA Approved Repair Station No. NF21029L

INS
NUMBER OF
ENTRIES.)

04 May 1992

WO 136798

N 5289D

JOLIET AVIONICS, INC.

FAA REPAIR STATION #NF21029L CLASS III

SIGNATURE

Inspector

was at the Loo camp.
I did, did photos etc
made crabs, Instagram
7-12 Bambi's I got Shiva
at Hobbs 1083 the
Cler Tom Pan (6)
1083 the 47 Egg on

W.O. NO. 8980 DATE 1-7-53
TAC FF3 FT. AVG FF3 ENG. FF3
NAME Don't

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1-12-94	1218	Hobbs	1218	1-12-94 Hobbs 1218 To 1218 Aircraft Landed AS per L-105 chart
				Battery serviced.
				Convincing Anti-C
				Inspection & Test on Expo 95. Note 8 0 2 Bottle Dia
				12-94. Ad 76-07-12 Breard Jan. Switch Cpl Tam Dan
				(a)(b)(c) Over Again at Hobbs 1318 the Ad 84-26-02
				Inspection Air Filter New Filter Installed, Dye Ad 84
				At Hobbs 1718 the Ad, 85-24-03 Fuel Tanks & CAPS
				Cpl Tam Dan (b) checked and, Dye Ad 84 at Hobbs 1318 the
				over.

DATE 19__	RECORDING TACH TIME	TODAY FLIGHT
FOOTHILL AIRCRAFT CABLE AIRPORT, UPI FAA APPROVED REP I CERTIFY THAT THIS HAS BEEN INSPECTED RETURN TO SERVICE INSPECTION ARE ON WO. NO. 11 TAC 1218 NAME 5-10-94 AD 94-0		

TESTS, REPAIRS AND ALTERATIONS
RATING AND CERTIFICATE NUMBER OF
K K PAGES FOR OTHER SPECIFIC ENTRIES.)

AD 85 Pm Lcs CHRY
AD 87 Brand. Lmbr
New E.T. Battery
2 0 2 Bottle Dm
AD 84-20-02
AD 84-20-02
Elev Tapes + CAPS
AD 87 Hcks 1318 Hds

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
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MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE
FOOTHILL AIRCRAFT SALES & SERVICE, INC. CABLE AIRPORT, UPLAND, CALIFORNIA 91786 FAA APPROVED REPAIR STATION AJ4R052M I CERTIFY THAT THIS HAS BEEN INSPECTED IN ACCORDANCE WITH RETURN TO SERVICE INSPECTION ARE ON FILE AT W.O. NO. 91 DATE 1-12-98 TAC 1218 H.I. AG ENG 1218 NAME 5-10-94 AD 94-06-09			
DOES NOT APPLY SLICK MAGNETOS INSTALLED. Former M.W. Luma APPS 6998254			

DATE 19 94

RECORDING TACH TIME 1314.1

TODAYS FLIGHT

TOTAL TIME IN SERVICE 1314.1

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

ENGINE, PROP, AND ALL OTHER COMPONENTS FORWARD
OR THE FIREWALL REMOVED FOR CONVERSION TO
ROCKET 305 STC. M.D. de AP5022053761A

This aircraft was flight tested to satisfy the requirements of FAR 91.407(b).

DARWIN C. CONRAD, DER- NM-361

NOV 10 1994

N5289D. Tot time 1314.1. Tach time 00.00.
A new tach was installed w/00.00 on register.
STC SA5691NM was installed I/A/W Mfg's Instr.
See 337 for detail. Ground run up was satisfactory, aircraft is airworthy and is returned to service. Also installed STC SA2586NM, JP Instrument package.

NOV 10 1994

MAYNARD G. LERNER, AP5022053761A

N5289D 10/20/94
TACH SCALE CORRECTION CARD
Instr. PM: DH125223
Serial No.: 1630

Power Setting Indication

500 RPM	525
1000 RPM	1000
1500 RPM	1500
2000 RPM	2020
2500 RPM	2500
3000 RPM	3000
3500 RPM	

Inspector Date 8/17/94

DATE 19 94

RECORDING TACH TIME 1314.1

TODAYS FLIGHT

TOTAL TIME IN SERVICE 1314.1

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
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ENGINE, PROP, AND ALL OTHER COMPONENTS FORWARD
OR THE FIREWALL REMOVED FOR CONVERSION TO
ROCKET 305 STC. M.D. de AP5022053761A

N5289D 10/20/94
TACH SCALE CORRECTION CARD
Instr. PM: DH125223
Serial No.: 1630

Power Setting Indication

500 RPM	525
1000 RPM	1000
1500 RPM	1500
2000 RPM	2020
2500 RPM	2500
3000 RPM	3000
3500 RPM	

Inspector Date 8/17/94

DATE	RECORDING	TODAYS	TOTAL	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
	TACH	AVIATION	TIME IN	ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
	TOP GAIN AVIATION			COMPLETED ANNUAL INSP. IAW MOONEY C/S
				HIST. HUBED ALL WHEEL BEARINGS. RTR'd
				BOTH MAIN TIRES. RTR'd CENTRAL + REGULATOR
				VACUUM FILTERS. REPLACED ALL VACUUM
				HOSES. RELOCATED CENTRAL VAC. FILT TO
				ABOVE CO PILOT LT FOOT - RTR'd FUEL CAP
				O-RINGS. RTR'd RT RECOGNITION LIGHT.
				ADJUSTED GEAR HORN SWITCH.
				RTR PILOTS PUSH TO TALK SWITCH. INSULATED
				ONE TERMINAL POST ON LANDING LIGHT SWITCH.
				TIGHTENED NUTS ON O2 HIGH PRESSURE TEE.
				TIGHTENED JAM NUTS ON CABIN HEAT CABLE.

CONT ON NEXT PAGE

TESTS, REPAIRS AND ALTERATIONS	ME, RATING AND CERTIFICATE NUMBER OF	BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
OTHER COMPONENTS FORWARD		
WENT TO FOR CONVERSION TO		
1.8.2e	AL50220537624	

TACH SCALE CORRECTION CARD	Instr. P/N:	Serial No.:	Power Setting	Indication
N 5289D 10120194	DM125223	1630	500 RPM	525
			1000 RPM	1000
			1500 RPM	1500
			2000 RPM	2020
			2500 RPM	2500
			3000 RPM	3000
			3500 RPM	

Inspector	Date
JP	8/17/94

TIONS, TESTS, REPAIRS AND ALTERATIONS
WITH NAME, RATING AND CERTIFICATE NUMBER OF
(SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

AT PUSH BLOCK TO SLIP
POLT & BUSHING NOSE
PIVOT. RTRD POLT & BUSH
RN. RTRD GEAR HORN.
OSTATIC TEST NEXT DUE FEB. 98
ERS ON LT AILERON ROD END.
E DISC & ALL LININGS.
1 RT & LT MAIN GEAR RETRACT
RTRD BOTH ROLL PINS IN
RETRACT TUBE AFT END.
AR PRELOADS. TIGHTENED
CLAP ROD ENDS.
NEXT PAGE

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				QW SI M20-92 PER GEC SI S1-11
				NEXT DUE 2334.1 TT.
				CHECKED ALL ADS THRU 95-02 FOR APPLICABILITY
5-17-95	0.0		1363.0	Fast filled new tach. Time 0.0
				Metallurgically provided By Rocket Eng.
				Thomas A. Rouch
				THOMAS A. ROUCH
				TOP GUN AVIATION INC.
				6120 S. Lindbergh St.
				Stockton, CA 95206

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				TESTED ELT FULL RETRACTION TEST
				ACCOMPLISHED INSPECTED VACUUM SYS
				FILTERS. C/W AD 95-17-06 (SEE
				ENGINE LOGBOOK FOR DETAILS)
				James M McKenna 569948254 AEP

SCALE CORF

ALTIMETER

Altimeter Reads ADD

-1000	-10
0	-10
500	-15
1000	-15
1500	-10
2000	-20
3000	-20
4000	-20
6000	-10
8000	-
10000	-20

Date 4 MAR 96
Tested by J. King

I CERTIFY THAT THE ALTIMETER STATIC SYSTEM & ALTITUDE REPORTING TESTS ROD BY FAR 81.411 & THE TRANSPONDER TESTS ROD BY FAR 81.413 HAVE BEEN PERFORMED.
ALTIMETER TESTED TO 30000 FT.
JAW FAR 43 APP 5 ON 4 MAR 96
SIGNATURE [Signature] DATE 4 MAR 96
NORTHCOAST SERVICES CRS WH3R989L

DATE 19__	RECORDING TACH TIME
20 JUNE 96	
APRIL 6, 1997	

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

L RETRACTION TEST

SPECTED VACUUM SYS.

95-17-06 (SEE

R DETAILS)

McKenna 569948254 AEP

VERIFY THAT THE ALTIMETER STATIC SYS-

ALTITUDE REPORTING TESTS RQD BY

411 & THE TRANSPONDER TESTS RQD

91.413 HAVE BEEN PERFORMED.

TEST TESTED TO 30000 FT.

R 43 APR 80 100000

DATE 100000

NORTHCOAST SERVICES CRS WRS085L

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

79.1

REPLACED COWL FLAP ACTUATOR

& BOTH OPEN & CLOSE LIMIT

SWITCHES OPS CHECKED GOOD

James M. McKenna A8P569948254

TOTAL 1483.3

I CERTIFY THAT THIS AIRCRAFT HAS BEEN

INSPECTED IN ACCORDANCE WITH AN ANNUAL

INSPECTION AND HAS BEEN DETERMINED TO

BE IN AIRWORTHY CONDITION.

James M. McKenna 569948254 IA

TESTED ELT BATTERY GOOD Till 11-97

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
APRIL 12, 1998	TACH 1884			I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED
	TOTAL TIME 15514			IN ACCORDANCE WITH AN ANNUAL INSPECTION AND
				HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION
				James M. McKenna AQP569948254IA
				O ₂ BOTTLE REMOVED FOR HYDROSTATIC TEST
				& REGULATOR O/H
				BATTERIES SERVICED W/ H ₂ O BATTERY BOX COVER
				TREATED & PAINTED 1/4" RECOG. LIGHT BULB ASSEMBLY
				REPLACED 1/4" BRAKE LININGS REPLACED ADJUSTED
				MANUAL TRIM CHAIN TENSION, LUBED L.G. ZERK FITTINGS
				AND FLIGHT CONTROL HINGES PERFORMED RETRACTION
				TEST, AD 95-18-12 DPA AD 98-01-08 DPA
				James M. McKenna AQP569948254IA

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
APRIL 12, 1998	TACH 1884			I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED
	TOTAL TIME 15514			IN ACCORDANCE WITH AN ANNUAL INSPECTION AND
				HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION
				James M. McKenna AQP569948254IA
				O ₂ BOTTLE REMOVED FOR HYDROSTATIC TEST
				& REGULATOR O/H
				BATTERIES SERVICED W/ H ₂ O BATTERY BOX COVER
				TREATED & PAINTED 1/4" RECOG. LIGHT BULB ASSEMBLY
				REPLACED 1/4" BRAKE LININGS REPLACED ADJUSTED
				MANUAL TRIM CHAIN TENSION, LUBED L.G. ZERK FITTINGS
				AND FLIGHT CONTROL HINGES PERFORMED RETRACTION
				TEST, AD 95-18-12 DPA AD 98-01-08 DPA
				James M. McKenna AQP569948254IA

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
APRIL 12, 1998	TACH 1884			I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED
	TOTAL TIME 15514			IN ACCORDANCE WITH AN ANNUAL INSPECTION AND
				HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION
				James M. McKenna AQP569948254IA
				O ₂ BOTTLE REMOVED FOR HYDROSTATIC TEST
				& REGULATOR O/H
				BATTERIES SERVICED W/ H ₂ O BATTERY BOX COVER
				TREATED & PAINTED 1/4" RECOG. LIGHT BULB ASSEMBLY
				REPLACED 1/4" BRAKE LININGS REPLACED ADJUSTED
				MANUAL TRIM CHAIN TENSION, LUBED L.G. ZERK FITTINGS
				AND FLIGHT CONTROL HINGES PERFORMED RETRACTION
				TEST, AD 95-18-12 DPA AD 98-01-08 DPA
				James M. McKenna AQP569948254IA

[illegible]

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
JUNE 19, 1998			TACH	188. INSTALLED FACTORY NEW BAGGAGE DOOR ASSEMBLY. INSTALLED NEW SEAL & NEW DOOR LINER PAINTED WITH ORIGINAL COLOR. James M. McKenna A&P 569948254
MAY 13, 1999			TACH	Time 221.8 TOTAL Time 1584.8 (+1363.0) I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. James M. McKenna A&P 569948254IA

TESTS, REPAIRS AND ALTERATIONS
E, RATING AND CERTIFICATE NUMBER OF
K PAGES FOR OTHER SPECIFIC ENTRIES.)

FACTORY NEW
ASSEMBLY. INSTALLED
NEW DOOR LINER
ORIGINAL COLOR.
AND APP 569948254
1584.8 (+1363.0)
S AIRCRAFT HAS BEEN
DANCE WITH AN
AND HAS BEEN
IN AIRWORTHY CONDITION.
(McKeane)
B254IA

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				PERFORMED RETRACTION CHECK OF L.G.
				LUBED ALL ZERK FITTINGS. & FLIGHT CONTROL
				HINGES. SERVICED BATTERY WITH DI WATER.
				CHECKED BRAKES & HYDRAULIC RESERVOIR
				AIRER TIRES TO SPEC. INSPECTED & TESTED FLT
				IN ACCORDANCE WITH FAR 91.207(a) REPLACED
				FUEL CAP O RINGS.
				C/W AD 98-24-11 BY INSTALLING NEW
				AILERON LINKS KIT PN M20-264-1
				(TERMINATING ACTION FOR REPETITIVE INSPECTIONS
				AD 98-21-26 N/A PER S/N
				Conrad M. McKeane A8P569948254

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
7/14/00	267.1		1630.1	Removed Trim Servo P/N-065-0052-14 KS-179 S/N-2966
				Installed Trim Servo P/N-065-0052-14 KS-179 S/N-X 4840 Set Clutch to 21 ± 2 IN LBS
				Reinstalled Repaired Pitch Servo P/N-065-0050-04 KS-177 S/N-NP1077. Set Clutch to 21 ± 2 in lbs.
				BAY AVIONICS FAA CDS WK3R9481 OAKLAND INT'L AIRPORT OAKLAND, CALIF.
				<i>Aug 14/00</i>

DATE 19__	RECORDING TACH TIME
12-08-20	
July 7, 2000	

14 CFR 43.9

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
12-08-2000			TACH TIME 279.1	INSTALLED 2 EACH NEW CONCORDE BATTERIES MODEL CB35A IN SERIES PER MANUFACTURERS INSTALLATION INST- RUTIONS. (Sergeant M. McKenna)
				AAPS69948254
JULY 7, 2001	TACH TIME		297.4 TOTAL 1660.5	I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. INSPECTED AND TESTED BY IN ACCORDANCE WITH FAR 91.207d AND FOUND TO BE SATISFACTORY. (Sergeant M. McKenna)
				AAPS69948254 IA
				(CONT.)

TESTS, REPAIRS AND ALTERATIONS RATING AND CERTIFICATE NUMBER OF K PAGES FOR OTHER SPECIFIC ENTRIES.)
APN-065-0052-14
APN-065-0052-14
no Set Clutch to
and Petrol Lamps
at KS-177 SN-XP077.
2 in lbs.

REPAIRS AND ALTERATIONS
ING AND CERTIFICATE NUMBER OF
GES FOR OTHER SPECIFIC ENTRIES.)

AY LURED MLC-ZERR
S. TESTED LIGHTS#
2R HYDROSTATIC TEST
69948254

DATE 9-28-01 TACH TIME 300.7 TOTAL TIME IN SERVICE 300.7

REMOVED A BENDIX/KING KX-165 NAV/COM, GARMIN AVID-100 GPS, AND A BENDIX/KING KI-227 ADF INDICATOR
INSTALLED: GARMIN GNS-530 GPS/NAV/GS/COM S/N 78402896 AT FS+15
GARMIN GA-56 GPS ANTENNA S/N 59062443 AT FS+72
UTILIZED SUPPLIED HARDWARE FROM THE MANUFACTURER, STANDARD AIRCRAFT HARDWARE, MS227500/18-22 (SHIELDED WIRE) MS22759/16 (WIRE), AND RG/U-400 TYPE IX
MIL-C17

THE GNS-530 IS LOCATED UNDER THE EXISTING KMA-24. THE GNS-530 DEVIATION OUTPUTS CONNECT TO THE INSTALLED KCS-55A HSI SYSTEM. THE GNS-530
ALTITUDE GRAY CODE IS PARALLELED TO THE EXISTING BENDIX/KING KT-76A TRANSPONDER. CONNECTED POWER TO A KLIXON 7277-2-10 AMP FOR THE COM LABELED "COM 1"
AND 7277-2-5 AMP FOR THE GPS LABELED "GPS". SEE BAY AVIONICS BLOCK DIAGRAM #72004.1
REMOVED THE TOP FORWARD COM ANTENNA. RELOCATED THIS COM POSITION TO THE BELLY. FABRICATED A DOUBLER FOR THE BOTTOM MOUNT C1-122 ANTENNA.
SEE BAY AVIONICS DRAWING #72004.2
INTERFACE GNS-530 DEVIATION WIRES TO THE KI-525A. THE DISPLAYED DEVIATION INFORMATION ON THE HSI IS SELECTED BY THE GNS-530 EITHER GPS OR VLOC.
MOUNTED THE GA-56 GPS ANTENNA WHERE THE REMOVED GPS ANTENNA WAS LOCATED AND UTILIZED THE EXISTING DOUBLER. SEALED THE GPS ANTENNA WITH
MS8802-F (PRC).

REMOVED THE BENDIX/KING KI-227 ADF INDICATOR AND WIRED THE ADF INFORMATION TO THE EXISTING EVENTIDE ARGUS 5000 MFD.
INSTALLATION MANUALS REFERENCED ARE GARMIN GNS-530 MANUAL #190-00181-02 REV B, BENDIX/KING KCS-55A #006-00111-0007 REV 7, AC 20-138
APPENDIX 1 PARAGRAPH 1. THIS IS A FOLLOW ON INSTALLATION TO GARMIN'S GNS-530 STC #SA00864W1. REVISED THE EQUIPMENT LIST AND WEIGHT & BALANCE.
AIRWORTHINESS LIMITATIONS: THE GPS IS APPROVED FOR VFR USE ONLY AND THE PILOT'S INSTRUMENT PANEL IS PLACARDED "GPS NOT
APPROVED FOR IFR". GARMIN GNS-530 PILOT'S GUIDE & REFERENCE P/N 190-00181-00 REV A OR LATER REVISION AND THE GNS-430 PILOT'S GUIDE & REFERENCE P/N
190-00140-00 REV E OR SUBSEQUENT MUST BE IN THE AIRCRAFT WHEN UTILIZING THIS SYSTEM.

DETAILS ON FILE WITH BAY AVIONICS, INC. CRS #WK3R948L w/o #72004 DATED 9-28-01 AND FAA FORM 337 DATED 9-28-01.
BAY AVIONICS
FAA CRS #WK3R948L
OAKLAND AIRPORT
OAKLAND, CALIF.

REFERENCE OF MAJOR REPAIRS AND MAJOR ALTERATIONS TO

FAA FORM ACA-337 BY DATE, OR TO THE WORK ORDER BY NUMBER AND THE APPROVING AGENCY.

DATE 2001
TOTAL TIME IN SERVICE

Tach Time 300.7 Total Time 1663.7

9-28-01

S/N 25-1192

Mooney M20K

FS +16

Installed: Ryan TCAD 9900B display P/N 70-2500 S/N 010707 FS +16

Ryan TCAD 9900B processor P/N 70-2400 s/n 010910 FS+121

Ryan TCAD Antenna Coupler P/N 70-2040 s/n 010545 at FS+27

Sensor Systems top antenna P/N S72-1750-31L s/n 1225 at FS+53

Sensor Systems bottom antenna P/N S72-1750-32L s/n 1230 at +40

EMTEQ antenna cables P/N M20K-9900-900

Type IX Mli-C17

BAY AVIONICS
FAA CRS #WK3R948L
Oakland Airport
Oakland, Calif.

Utilized supplied hardware from the manufacture and standard aircraft hardware, MS27500/18-22(shielded wire) MS22759/16 (wire), and RG/U-400

Mounted the TCAD 9900B processor in the aft avionics bay on a fabricated shelf to facilitate removal. Secured to existing shelf. Mounted the lower antenna on the belly. Mounted upper antenna on the forward cabin area where removed COM antenna was located.

Located the TCAD display in the pilot's instrument panel in a top right existing mounting hole.

Display information is connected to the Ryan TCAD display as primary indication and the Garmin GNS-530 as the MFD secondary display.

Connected power to a Klaxon 7277-2-3 circuit breaker labeled "TCAD".

Mounted the Ryan TCAD transponder antenna coupler behind the copilot's kick panel secured with provided hardware from the manufacturer and grounded to the airframe. The coupler is installed inline with the transponder coax. The antenna suppression out of this coupler is connected to the 9900B processor. Connected existing DME and Transponder suppression to the 9900B processor.

Routed the EMTEQ TCAD cables from the antennas through an available bulkhead feed through and connected to the processor.

Revised equipment list, and weight & balance

Installation manuals referenced are Ryan TCAD 9900 series #32-2301 rev 4, Bendix/King KMA-24 #006-00180-0001 rev 1, Garmin GNS-530 manual #190-00181-02 rev B, This is a follow on installation to Ryan TCAD 9900B STC #SA1763GL & STC #SA00900NY.

AIRWORTHINESS LIMITATIONS: Refer to the FAA Approved Ryan TCAD 9900 Series Airplane Flight Manual Supplement Doc #72004.11 dated 9-20-01 for operation with the primary TCAD display. For operation with the Garmin GNS-530 FAA Approved Flight Manual Supplement Doc #72004.10 dated 9-20-01.

Details on file with Bay Avionics, Inc. CRS #WK3R948L w/o #72004 dated 9-28-01 and FAA Form 337 dated 9-28-01.

**MAJOR ALTERATIONS TO
BY NUMBER AND THE APPROVING AGENCY.**

Tach Time 300.7 Total Time 1663.7

8L 

18-22(shielded wire) MS22759/16 (wire), and RG/U-400 facilitate removal. Secured to existing shelf. Mounted the COM antenna was located.

and the Garmin GNS-530 as the MFD secondary display. and secured with provided hardware from the manufacturer antenna suppression out of this coupler is connected to the or.

iced through and connected to the processor.
King KMA-24 #006-00180-0001 rev 1, Garmin GNS-530 763GL & STC #SA00900NY.
9900 Series Airplane Flight Manual Supplement Doc th the Garmin GNS-530 FAA Approved Flight Manual and FAA Form 337 dated 9-28-01.

DATE
19__

TOTAL
TIME IN
SERVICE

REFERENCE OF MAJOR REPAIRS AND MAJOR ALTERATIONS TO
FAA FORM ACA-337 BY DATE, OR TO THE WORK ORDER BY NUMBER AND THE APPROVING AGENCY.

1-4-02 TACH 315.5 N-5289D

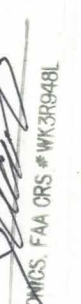
ALTIMETER/STATIC AND ALTITUDE REPORTING
EQUIPMENT SYSTEMS HAVE BEEN TESTED
AND INSPECTED PER APPENDICES E AND F OF
PART 43, AS REQUIRED BY FAR 91.411

CALIBRATED TO 30,000'

DATE 14/02 SIGNED 
BAY AVIONICS, FAA CRS #WK3R948L

TRANSPONDER(S) HAVE BEEN TESTED AND
INSPECTED AND FOUND TO COMPLY WITH
APPENDIX F OF PART 43 I.A.W. FAR 91.413

DATE 14/02 W.O.# 72376

SIGNED 
BAY AVIONICS, FAA CRS #WK3R948L

DATE

19

N5289D

August 13, 2002 Tach Time 328.1 Total Time 1691.8

I certify that this aircraft has been inspected in accordance with an Annual inspection and has been determined to be in airworthy condition. Replaced ELT battery pack. (Exp. 8/04) Inspected and tested ELT in accordance with FAR 91.207(d) and found satisfactory. Replaced fuel cap O-rings and cleaned fuel strainer. Removed aircraft batteries, serviced with DI water, charged and reinstalled. Removed both brake master cylinders, replaced O-ring seals, reinstalled and bled brakes. Greased all landing gear and airframe zerck fittings. Jacked aircraft and performed full retraction test. Aired tires to spec. Checked all wheel bearings. Lubed all flight control hinges and rod ends.

Terence M. McKenna



A&P569948254IA

DATE

19

A. D.
NUMBER

Sept. 6, 2002
I certify that this aircraft is in
with an annual inspection and
worthy condition. Replaced ELT
91.207(d) and found satisfactory.
Gresed all fuel system and
check of landing gear and
lights and battery box
Reinstalled ELT battery
draulic retraction test. Aired
door seal, checked all wheel
now out of service.

AIRWORTHINESS DIRECTIVES
CHRONOLOGICAL LISTING OF COMPLIANCE AND METHOD OF COMPLIANCE.

DATE	A. D. NUMBER	TOTAL TIME IN SERVICE
19__		

N5289D

Sept. 6, 2003 Tach Time: 350.4 Total Time: 1724.1

I certify that this aircraft has been inspected in accordance with an annual inspection and has been determined to be in airworthy condition. Inspected and tested ELT in accordance with FAR 91.207d and found satisfactory. Replaced all fuel cap o-rings. Greased all landing gear zerk fittings. Performed full retraction check of landing gear. Repacked all wheel bearings. Checked all lights and electrical, repaired L/H white position light. Removed battery box and battery bank, serviced with DI water and charged. Reinstalled batteries. Lubed flight control hinges. Checked hydraulic reservoir and checked vacuum filters. Resecured baggage door seal. Oxygen bottle drained and disconnected due to bottle now out of service life. New bottle on order.

Terence M. McKenna

Terence M. McKenna
A&P 569948254 IA

691.8

ected in accordance
rmined to be in
pack. (Exp. 8/04)
FAR 91.207(d) and
ings and cleaned
, serviced with DI
both brake master cyl
and bled brakes.
fittings. Jacked
t. Aired tires to
all flight control

DATE	A. D. NUMBER	TOTAL TIME IN SERVICE
Sept. 26, 2003	N5289D	
	Installed new Scott lightweight composite oxygen bottle.	
	Manufacture date 7/2003. Filled bottle to 1350 psi and leak checked good. Terence M. McKenna A&P 569948254 Source MCKenna	
11/14/04	TACH	361.3
	ALTITUDE/STATIC AND ALTITUDE REPORTING EQUIPMENT SYSTEMS HAVE BEEN TESTED AND INSPECTED PER APPENDICES E AND F OF PART 43, AS REQUIRED BY FAR-81.4H	
	CALIBRATED TO	30,000
	DATE 11/14/04 SIGNED [Signature]	BAY AVIONICS, FAA CRS #WK3R94BL
	TRANSPONDERS HAVE BEEN TESTED AND INSPECTED AND FOUND TO COMPLY WITH APPENDIX F OF PART 43 I.A.W. FAR 81.4B	
	DATE 11/14/04 W.O.# 73995	SIGNED [Signature]
	BAY AVIONICS, FAA CRS #WK3R94BL	

**DIRECTIVES
AND METHOD OF COMPLIANCE.**

composite oxygen bottle.
le to 1350 psi and leak

RP 569948254 *Terence M. McKenna*

INDICES HAVE BEEN TESTED AND
TO AND FOUND TO COMPLY WITH
OF PART 43 (A.W. FAR CH 43)

73995

W.O.*

WKS, FAA CRS #WK3R848L

DATE
19__

TOTAL
TIME IN
SERVICE

**MANUFACTURERS MANDATORY SERVICE BULLETINS
CHRONOLOGICAL LISTING OF COMPLIANCE AND METHOD OF COMPLIANCE.**

N5289D

Oct. 10, 2004 Tach Time: 381.5 Total Time: 1755.2
I certify that this aircraft has been inspected
in accordance with an annual inspection and has been
determined to be in airworthy condition. Replaced
ELT battery pack(exp 10/2006). Inspected and tested
ELT in accordance with FAR 91.207d and found satis-
factory. Jacked aircraft, removed gear actuator and
lubed actuator jackscrew. Reinstalled actuator and
performed full retraction test including manual ex-
tension check. Lubed landing gear zerk fittings.
Replaced L/H brake linings and serviced reservoir
with Hyd. 5606 oil. Checked and cleaned fuel selec-
tor screen. Removed aircraft batteries, serviced w/
DI water and charged 15 hr. Reinstalled batteries.
Checked lights and electrical systems.

Terence M. McKenna

Terence M. McKenna
A&P 569948254 IA

DATE 19__	TOTAL TIME IN SERVICE	CURRENT WEIGHT AND BALANCE INFORMATION			REMARKS
		EMPTY WEIGHT	EMPTY C. G.	USEFUL LOAD	
					N5289D
					Nov. 13, 2005 Tach Time: 413.7 Total Time: 1787.4
					I certify that this aircraft has been inspected in accordance with an annual inspection and has been determined to be in
					airworthy condition. Inspected and tested ELT in accordance
					with CFR 14 Part 91.207d and found to be satisfactory. Per-
					formed retraction check. Tested lights and electrical systems.
					Checked and cleaned fuel selector screen.
					Terence M. McKenna <i>Terence M. McKenna</i> A&P 569948254 IA

I certify that the Altimeter, Static System, & Altitude Reporting tests required by FAR 91.411, and the Transponder tests required by FAR 91.413 have been performed IAW FAR 43 App E & F.

Altimeter tested to 30000 Ft. N 5289D

IAW FAR 43 App. E on 3FEB06 Date 3FEB06 Time 416.3

Signed *S. Skuthy* Northcoast Services c/s WR3R955L

Scale Co

Altimeter

Reacts	Add
-1000	-
0	-5
500	-
1000	-
1500	-5
2000	-5
3000	-
4000	+10
6000	+20
8000	+20

Date 3FEB06

Tested by *S. Skuthy*

ND BALANCE INFORMATION

REMARKS

Total Time: 1787.4
has been inspected in accordance and has been determined to be in and tested ELT in accordance and to be satisfactory. Per- lights and electrical systems. screen.

A&P 569948254 IA

Scale Co

Altimeter

Reads Add

-1000	-
0	-5
500	-
1000	-
1500	-5
2000	-5
3000	-
4000	+10
6000	+20
8000	+20

DATE

19

TOTAL
TIME IN
SERVICE

June 2

R

8130-3

lie f

Terenc

Authorized Signature:

Sean Waters

Name (Typed or Printed):

SEAN WATERS

nsibilities

21. Approval/Certificate No.:

B6BR276J

23. Date (m/d/y):

May-2, 2006

Authority to install the part/component/assembly.

Authority different than the airworthiness authority of the country specified in components/assemblies from the airworthiness authority of the country specified in

ance records must contain an installation certification issued in accordance with the

NSN: 0052-00-012-9005

☒ 14 CFR 43.9 Return to Service
Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.