



**Work Order:** 034-2020

**N4554E**

1/8/2021

**TACH:** 1525.37  
**HOBBS:** 582.9  
**ATT:** 1525.37  
**ELT Due:** 12/2022

1979 Gulfstream AA-5B  
**S/N:** AA5B1209  
**91.411:** Due  
**91.413:** Due  
 Page 1 of 2

Performed an Annual Inspection. Removed all inspection panels, covers and fairings to facilitate inspection. Verified all flight control cables and deflections IAW Type Certificate & Service Manual. Cleaned & inspected aircraft structure & glue / bond joints. Lubricated airframe and all pullies, bellcranks and hinges. Inspected all for wear and deterioration. None observed. Removed pitot tube. Removed corrosion and polished. Painted attach bracket. Re-installed. Removed all wheels. Inspected wheel assemblies, cleaned, abrasive blasted and painted. Installed with new tires and tubes. Inspected nose wheel and complied with Cleveland Product Reference Memo 94 Dated 5/12/2009 for 40-77A wheels. Installed new AN4-22A tie bolts and MS21042-4 nut. Nose: GoodYear Flight Custom 2 6Ply Tire. Installation of 6 ply tires is approved as a minor alteration. (40 PSI) Mains: GoodYear Flight Custom 2 6 Ply Tires. Installation of 6 ply tires is approved as a minor alteration. (45 PSI) Greased wheel bearings with Mobil SHC100 grease. (Cleveland PRM 78 10/22/2002) Installed new felt grease seals (P/N:154-01300 & 154-0300) Removed brake lines at rudder pedals and installed with all new (P/N: 00624-350-4-0110 Aeroquip TSO C53a Type A hose assemblies x6.) Removed brake cylinders, cleaned, abrasive blasted, cleaned, inspected and painted. Installed with new piston O-rings (P/N: MS28775-224) Bled brakes with MIL5606. Operational checked brakes. No leaks noted. Removed all interior. Cleaned aircraft structure and floor area. Stripped nose strut of paint. Inspected, acid etched, primed and painted. Installed new nose strut boot (P/N:5702002-3). Installed EA manufacturing inc. TSO 4.2Amp USB power supply as replacement for original cigar lighter located in center console. This is approved as a minor alteration. Circuit protection does not exceed 80% or circuit capacity. Replaced various missing placards. Removed Apollo LORAN. Secured plug behind panel. Installed cover over tray. Installed new alternator belt (P/N:37A19773-376). Replaced nav light bulbs with LED. (P/N:RA-7512-LED-RF-CW-10-40V) Approved as a minor alteration. Flushed oil cooler & oil cooler fluid hoses. Replaced oil dipstick gasket. Cleaned oil dipstick & painted handle. Installed new GE 4509 Landing light. Reworked throttle cable and adjusted rigging. Replaced 5A glass BUSS fuses for clock and hour meter. Replaced analog clock with serviceable used digital clock. Astrotech LC-1. Light source not connected to nav light system. Replaced CHT probe with new EA P-100 Probe. Verified installation of Blue Sky Sun Visors are approved as a minor alteration. Performed compass swing using calibrated compass. Updated compass deviation card. Tested ELT battery IAW FAR 91.207(d). Battery next due 12/2022. Aircraft weight & balance & equipment list updated. See latest aircraft weight report dated: 1/8/2021  
 Continued on next page.

*I certify this aircraft has been inspected in accordance with an ANNUAL INSPECTION and has been found to be in an airworthy condition and is approved for return to service.*

**J. Carter AP 3419249**

This record is part of the aircraft permanent record and is to be placed in the AIRCRAFT LOG of the aircraft file.



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Continued from previous page.

See **Airworthiness Directive** Compliance listing this date for a complete list of all AD's.

**AD 79-22-04** Aileron System – Complied with Tiger Aircraft LLC Service Instruction SI 06-01 Dated 8/1/2006 Using a template made per instructions in SI06-01. Inspected both upper and lower sections of the left and right ailerons. All ailerons are correctly contoured. Service Instruction 06-01 and FAA letter (dated 8/3/2006) and attached into aircraft file is authorizing action for AMOC to AD 79-22-04. This action along with the inspection and repair mentioned in SB163 and repair via SK144, if applicable under AD 79-22-04 terminated AD 79-22-04.

See **Service Bulletin Compliance** listing this date for a complete list of all manufacturer alerts.

**AD 95-19-15R1** Wing Attach Shoulder Bolts – PCW by replacement of bolts 4-7-1997. Next Due @1670.1 HRS TT.

**AD82-27-01** Prop Hub - PCW 9-20-2000 @ 1489.0 Next Due 163.83 @ 1689.2

**AD 76-07-12** Ignition Switch – C/W by operational check IAW section 1. Next Due 100 HRS @ 1625.37

**SB-192** Aft fuselage bulkhead. C/W by inspection IAW the procedures outlined in CSB. No cracks observed.

**SB-188** Ruptured Instrument Pressure Lines – C/W by inspection of oil and fuel pressure lines from under instrument panel. No corrosion observed.

**SB-187** Engine Oil Breather Blockage – C/W by inspection. N/A by affected hose type not installed onto breather system.

**SB-179** Flap Torque Tube Bearing Inspection - Inspected IAW the inspection criteria. Correct installation of torque tube bearing observed.

**SB-177** Inspection of Aileron Torque Tubes – C/W by inspection of aileron torque tubes IAW inspection criteria & work performed during compliance with AD 79-22-04.

**SB-171** Voltage Regulator – N/A by affected VR not currently installed.

**SB-167C** McCauley Prop Hub Inspection – AD 82-27-01 PCW. Next Due 1689.0

**SB-161** Narco ELT10 – Inspected IAW AD 77-02-08. No corrosion found. Tested IAW FAR91.207

**Parker Cleveland PRM 78** – Preferred Grease. C/W by use of HSC100 grease.

**Parker Cleveland PRM 94** – 40-77 wheel tie bolts. C/W by installation of AN4-22A bolts and MS21042-4 nut.

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**N4554E**

1/8/2021

**TACH:** 1525.37  
**HOBBS:** 582.9  
**ATT:** 1525.37  
**ETT:** 1525.37  
**ESMOH:** 1525.37


**Make:** Lycoming  
**Model:** O-360-A4K  
**S/N:** L-26690-36A

Performed Annual Inspection. Operational run up check. Recorded results of run up. Performed cylinder compression and leak down test. #1-72/80 #2 72/80 #3 74/80 #4 74/80. Bore scoped cylinders. Inspected valve faces, races, guides and cylinder walls. Verified magneto to engine timing. Adjustments made to both magnetos. Measured cam lift.No discrepancies noted. Removed cylinders. Inspected cylinders. Removed valve train from all cylinders. Cleaned & inspected all parts IAW Lycoming overhaul manual and various Service Instructions. Re-assembled cylinders with new piston rings (P/N:74241 & P/N: 14H21950) Lapped valves. Re-assembles cylinders. Performed fluid leak test. No leaks observed. Discovered cracked induction tube, cylinder # 4. Replaced induction tube with new. (P/N:71713). Replaced all cylinder gaskets with new. Installed new oil return hoses. (P/N:STD1821) Installed new induction couplers (P/N:69603). Installed exhaust system with new gaskets (P/N: 77611). Installed all new Champion P/N:REM37BY) Spark Plugs and gaskets (P/N:M674). Cleaned and painted inter cylinder baffles. Removed oil and fuel lines. Inspected lines for damage and obstruction. Re-installed hoses. Drained oil & serviced with Aeroshell W100 Mineral Ash-less Oil. Oil filter not changed at this time. Performed operational run up leak check. No leaks or discrepancies observed.

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**J. Carter AP 3419249**

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	<b>Work Order:</b> 034-2020	<b>N4554E</b>	1/8/2021
	<b>TACH:</b> 1525.37 <b>HOBBS:</b> 582.9 <b>ATT:</b> 1525.37 <b>PTT:</b> 1525.37 <b>PSMOH:</b> 1525.37	<b>Make:</b> McCauley <b>Model:</b> 1A170 FFA7563 <b>S/N:</b> P80654 <b>Next Service Due:</b> AD 82-27-01. @ 1689.0 HRS	
<p>Performed Annual Inspection. Removed propeller to facilitate inspection. Cleaned and inspected spinner &amp; bulkheads. Cleaned and painted aft spinner bulkhead. Re-installed prop and torqued bolts to 55 ft-lbs and saftied with .040 stainless wire. Re-installed spinner and performed track inspection of prop blades and spinner. Dressed blade leading edges. Cleaned blades with oil.</p> <p><b>AD82-27-01</b> Prop Hub - PCW 9-20-2000 @ 1489.0 Next Due 163.83 @ 1689.2</p>			
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<p><b>J. Carter AP 3419249</b></p>			
<p>This record is part of the aircraft permanent record and is to be placed in the PROPELLER LOG of the aircraft file.</p>			



## Jake's Air Repair

PO BOX 5440  
 Sonora, CA 95370  
 (925) 209-0708  
[JakesAirRepair@gmail.com](mailto:JakesAirRepair@gmail.com)  
[JakesAirRepair.com](http://JakesAirRepair.com)

034-2020

N4554 E Gulfstream AA-5B S/N:AA5B1209

Perform Annual Inspection. Repairs as necessary. Improve as necessary. Prepare aircraft for sale.

Quantity	Item No.	Description	Unit Price	Total
1	1	Annual Inspection 21 HRS	\$2310.00	\$2,310.00
1.0	2	Labor – Pitot Tube	\$110.00	\$110.00
6	3	Polish & Restore Paint	\$110.00	\$660.00
0	4	Perform Dynamic Prop balance	\$110.00	\$0.00
4	5	Perform Aircraft Weight & Weight Reports	\$110.00	\$440.00
2.0	6	Replace Tires	\$110.00	\$220.00
4	7	Refurbish Wheels	\$110.00	\$440.00
.75	8	Compass Swing	\$110.00	\$82.50
1.0	9	Wash Engine	\$110.00	\$110.00
1.0	10	Wash Carpets & Seats	\$110.00	\$110.00
.75	11	Polish Light Lenses	\$110.00	\$82.50
1.0	12	Clean, Paint & apply anti slip to Steps	\$110.00	\$110.00
.75	13	Replace brake lines at brake masters	\$110.00	\$82.50
.5	14	Re-seal brake cylinders	\$110.00	\$55.00
1.5	15	Refurbish brake cylinders.	\$110.00	\$165.00
.5	16	Flush pitot system.	\$110.00	\$55.00
5.0	17	Repair Baffles Replace baffle seals.	\$110.00	\$550.00
8.0	18	R&R Cylinders	\$110.00	\$880.00
12	19	Repair Cylinders	\$110.00	\$1320.00
6.0	20	Nose gear Insp, R&R	\$110.00	\$660.00
.5	21	Bleed Brakes	\$110.00	\$55.00
1.0	22	Flush Oil cooler & lines	\$110.00	\$110.00
2.5	23	Remove Loran, install block off plate	\$110.00	\$275.00
2.0	24	Repair seats	\$110.00	\$220.00
.5	25	Replace nav lights	\$110.00	\$55.00
.25	26	Replace landing light	\$110.00	\$27.50

Quantity	Item No.	Description	Unit Price	Total
1.5	27	AD 79-22-04 Compliance AMOC	\$110.00	\$165.00
5.5	28	AD Listing, Research	\$110.00	\$605.00
2.5	29	Equipment List	\$110.00	\$275.00
5.25	30	Service Bulletins	\$110.00	\$577.50
7.5	31	Sort Aircraft File	\$110.00	\$825.00
1.0	32	Measure cam lift	\$110.00	\$220.00
1.0	33	Field Approve 337 Visors	\$110.00	\$220.00
1.0	34	337 Air Filter	\$110.00	\$110.00
1.0	35	337 Sky Tec Starter	\$110.00	\$110.00
		<b>SUB TOTAL LABOR: \$12,292.5</b>		0
		<b>PARTS</b>		
1	1	GE 4509 Landing Light Bulb	11.50	11.50
4	2	79506 Rocker Gasket	5.50	22.00
2	3	217-00100 Grommet	11.50	23.00
1	4	Nose Strut Faring W221 (not installed)	16.00	16.00
1	5	Nose Strut Boot 5702002-3	295.00	295.00
2	6	Fuel Cap Placards	5.00	10.00
2	7	Wing Root Seals (Fletch Air, Not Installed)	30.14	60.28
2	8	Fuel Cap O Rings.	5.00	10.00
2	9	Main Gear Leg Seals (Fletch Air, Not Inst)	70.00	140.00
1	10	USB Power Supply	25.95	25.95
1	11	Intake Duct (Fletch Air Replaced)	39.44	39.44
3	12	7512 Nav Light LED light bulb	28.50	\$85.50
8	13	Champion 37BY Spark Plug	36.65	293.20
4	14	Brake Linings 66-105	15.25	61.00
4	15	STD1821 oil return hose	1.55	6.20
1	16	GoodYear 5.00-5Tire	101.00	101.00
1	17	GoodYear 5.00-5 Tube	94.50	94.50
2	18	GoodYear 6.00-6 Tire	133.00	266.00
2	19	GoodYear 6.00-6 Tube	75.95	151.80
2	20	Wheel Bearing Seals 154-01300	10.65	21.30
1	21	Lycoming 71713 intake pipe (LyCon)	69.35	69.35
2	22	Wheel Bearing Seals	14.75	29.50
4	23	69603 Induction coupler	8.55	34.20
6	24	Brake hoses (Fletch Air)	47.00	282.00

Quantity	Item No.	Description	Unit Price	Total
3	25	An4-22A	\$ .75	2.25
1	26	Lycon 029402 (Piston Rings)	625.86	625.86
1	27	Misc Supplies Sonora Lumber 248887	24.30	24.30
1	28	Misc Supplies Sonora Lumber 247605	91.15	91.15
1	29	Alternator belt 37A19773-376	81.20	81.20
1	30	Baffle Seal RED	33.80	33.80
1	31	Placard Kit	5.00	5.00
2	32	Cleveland Bleeder Cap 183-00100	5.75	11.50
1	33	ASA Carbon monoxide detector	3.95	3.95
32	34	Rocker Box Screw	1.10	35.20
2	35	Fuel Placards	4.85	9.70
1	36	Various SCAT	112.00	112.00
1	37	Lycoming Thrust Button LW12892	4.96	4.96
8	38	Lycoming Pushrod Tube Seals 70310	1.25	10.00
10	39	Engine Oil Aeroshell W100 Mineral	8.00	80.00
1	40	BA20 air filter element	19.50	19.50
1	41	Inlet Plugs	145	145.00
1	42	AeroshellW100 Oil 6QT	\$45.00	45
2	43	Aeroshell Oil Single Qt	8.00	16.00
1	44	Oil Filter CH48110-1	30.00	30.00
1	45	BP-1010 ELT battery	35.00	35.00
1	46	Gill 7025-24 Battery	245.00	245.00
1	47	AstroTech LC1 Clock Used	300	\$300.00
2	48	5A BUSS fuses	5.00	10
1	49	P100 EI CHT probe	\$92.00	\$92.00
	50	Cam Guard	\$25.00	\$25.00
		<b>SUB TOTAL \$4242.09</b>		
		Misc Hardware, Seals, O-rings, paint, supplies, consumables, rags, cleaners 5-10%	10.00%	\$424.20
		Shipping		\$449.12
		<b>Net</b>		<b>17,407.91 \$</b>
		<b>+ 8% Sales Tax</b>		<b>0.00\$</b>
		<b>Total Amount</b>		<b>17,407.91 \$</b>

Payment due in full within 7 Days: Checks Payable to: Jake's Air Repair PO Box 5440 Sonora, CA 95376251