

ACFT: N513JM
DOM: 1991 BEECH
M/N: C-90A
S/N: LJ-1274



ATHENS JET PROP, INC
[REDACTED]
ATHENS, GA 30605

AIRFRAME LOG ENTRY

DATE: 11-10-21
HOBBS: 0849.7
LANDINGS: 5778
AFTT: 4293.8

1. COMPLIED WITH 12 MONTH CABIN PRESSURIZATION ALTITUDE WARNING CHECKS WITH ALL PARAMETERS CHECKING GOOD PER BEECHCRAFT M/M.
2. COMPLIED WITH 12 MONTH FLIGHT DECK HAND HELD FIRE EXTINGUISHER CHECKS WITH NO DEFECTS NOTED.
3. COMPLIED WITH 12 MONTH CABIN HAND HELD FIRE EXTINGUISHER CHECKS, REPLACED CABIN BOTTLE.
4. COMPLIED WITH 12 MONTH CABIN ENTRANCE DOOR LOCK BOLT INSPECTIONS WITH NO DEFECTS NOTED.
5. COMPLIED WITH 12 MONTH EMERGENCY EXIT DOOR INSPECTIONS. REPAIRED DOOR SEAL TUBE.
6. COMPLIED WITH (6) YEAR NOSE WHEEL C.M.M.
7. COMPLIED WITH FAR 91.207 (D) 406 MHZ ELT CHECK USING THE IFR 4000 TEST BOX WITH COSPAS-SARSAT SATELLITE SIGNAL. NEXT BATTERY REPLACEMENT DUE FEB-2024.
8. COMPLIED WITH ANNUAL (12 MONTH) AIRFRAME CORROSION INSPECTION.
9. COMPLIED WITH WING BOLT LUBRICATIONS IAW SIRM 57-13-03 TABLE (3) SPECIAL INSPECTIONS.
10. PERFORMED 12 MONTH STATIC DISCHARGER MEGA OHM CHECKS.
11. COMPLIED WITH SERVICE BULLETIN 27-3459 GUST LOCK INSPECTION.
12. COMPLIED WITH CONCORDE BATTERY REPLACEMENT WITH NEW. NEW BATTERY SERIAL #70015316.
13. LANDING GEAR HYDRAULIC POWER PACK ASSEMBLY LEAKING FLUID. TORQUED MATING SCREWS PER INSTRUCTIONS FROM OVERHAUL SHOP AND CLEANED FLUID FROM INSIDE FUSELAGE FLOOR AND UNDER BELLY OF AIRPLANE. OPS CHECK WITH NO LEAKS NOTED.
14. COMPLIED WITH 12 MONTH SPAR CAP INSPECTIONS WITH NO DEFECTS NOTED.
15. REMOVED AND REPLACED 12 EACH RIVNUTS FOR WING LOCKERS.
16. REPLACED TWO EACH BRAKE CALIPER PISTONS AND RESEALED (8) EACH PISTONS WITH NEW 101-24200 ORINGS, TWO CALIPER SHIMS WITH 068-03300 (CLEVELAND). FAA 8130-3 FORMS.
17. COMPLIED WITH LEFT AND RIGHT AILERON (3600) HOUR SPECIAL INSPECTIONS. NO CORROSION, NO SKIN CRACKS OR DEFECTS WITH HINGE FITTINGS AND SCREW ATTACHMENTS NOTED.
18. RESEARCHED ALL AIRWORTHINESS DIRECTIVES AND MANDATORY SERVICE INFO. NO AIRWORTHINESS DIRECTIVES DUE. SEE AD REPORTS THIS AIRCRAFT RECORDS.
19. REMOVED AND REPLACED L/H BLEED AIR FLOW PACK UNIT WITH OVERHAULED UNIT S/N 269 AND PNEUMOSTAT SERIAL #5553. FAA 8130-3 FORM.
20. REPAIRED THE HYDRAULIC LEAK IN THE L/H MLG WHEEL BY INSTALLING A NEW PERMA SWAGE FITTING ONTO THE EMERGENCY EXTENTION LINE.
21. INSTALLED NEW WIRING FOR THE ELECTRIC A/C SYSTEM AS REQUIRED IAW BEECHCRAFT KING AIR M/M CHAPTER 20 AND THE WIRING MANUAL CHAPTER 21 & 91 INSIDE THE FORWARD A/C COMPARTMENT ZONE 212 AND AFTER FS 30.00. INSTALLED A NEW A/C MOTOR S/N-26501-2 AND NEW A/C COMPRESSOR S/N-0251104030 IAW BEECHCRAFT KING AIR C90A MODIFICATION KIT #905082. REPLACED CURRENT LIMITERS, INSTALLED NEW BELTS, NEWLY OVH SLOW START RELAY, NEW FLEX DUCT AND A NEW RECEIVER DRYER. SEE 8130-3 FORMS. NEW PMA 197MM CLUTCH DRIVE INSTALLED. SERVICED SYSTEM IAW C90A M/M CHAPTER 12.
22. INSTALLED NEW TRIM SERVO MOTOR S/N- 41995. FAA 8330-3 ADJUSTED CAPSTAN SLIP CLUTCH.
23. REPLACED N1 % IND OVH UNIT S/N- A5915, L/H PROP RPM IND S/N 8312107. FAA 8130-3 FORMS.
24. HYDRO/REGULATOR INSPECTIONS ON SHIPS O2 BOTTLE. SERIAL 909165 FAA 8130-3 FORM. INSTALLED NEW SCHRADER VALVE AND A NEW CAPILLARY LINE. FAA 8130-3 FORMS.
25. INSTALLED A NEW 115VAC INVERTER TI256 P/N 6430250-4 S/N H21-11295. REPLACED RELAY.
26. COMPLIED WITH C90A (6) YEAR LANDING GEAR INSPECTION IAW C90A M/M, SIRM CHAPTER 32 AND THE C.M.M.'s.
27. COMPLIED WITH MLG CLEVIS INSPECTIONS IAW C90A M/M CHAPTER 32.
28. RESEALED NOSE GEAR SHIMMY DAMPER HAWKER BEECHCRAFT C.M.M. CHAPTER 32-20-00.
29. REPLACED TWO PASSENGER OXYGEN MASK WITH NEW FAA 8130-3 FORMS.
30. REPAIRED AVIONICS DOOR LATCH.
31. SECURED CARPET IN WING LOCKERS.
32. REPLACED COCKPIT SUN VISOR SPRING STOPS. FAA 8130-3 FORMS.
33. COMPLIED WITH (30) MONTH NACELLE FUEL CELL INSPECTIONS.
34. COMPLIED WITH ELECTRIC HEATER INSPECTIONS.
35. REPLACED LANDING GEAR HANDLE RED IN TRANSIT SOCKET AND LAMP.
36. RELAMPED L/H & R/H LANDING LIGHTS, R/H ICE LIGHT, BOTH TAIL FLOODS AND RESEALED, REPLACED 2 EACH CABIN SIDEWALL LAMPS.
37. REPINNED CO-PILOT KFI-552 AT UNIT AND J372 FORWARD BULKHEAD.

Next Page

Executive Beechcraft inc.

Page No.

DATE	TOTAL TIME OF SERVICE	TACH FOR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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ACFT: N513JM
DOM: 1991 BEECH
M/N: C-90A
S/N: LJ-1274



ATHENS JET PROP, INC
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ATHENS, GA 30605

AIRFRAME LOG ENTRY

DATE: 11-10-21
HOBBS: 0849.7
LANDINGS: 5778
AFTT: 4293.8

- 38. INSTALLED A NEW A/C SLOW START RELAY CONTROL MODULE. FAA 8130-3 FORM.
- 39. BLED LANDING GEAR HYDRAULIC SYSTEM AND BRAKE SYSTEM IAW THE KING AIR M/M CHAPTER 32 AND 12.
- 40. SERVICED THE LANDING GEAR ACCUMULATOR IAW THE C90A M/M CHAPTER 32 AND 12.
- 41. AIRCRAFT CLEANED AND CERAMIC COATED WITH APPROVED AIRCRAFT COATING SYSTEMS.
- 42. COMPLIED WITH SERVICING OF THE MAIN SHIPS OXYGEN SYSTEM WITH AVIATORS BREATHING OXYGEN.
- 43. TWO NEW PASSENGER EMERGENCY OXYGEN BREATHING MASK INSTALLED IN THE CABIN. FAA 8130-3 FORM.

ALL WORK WAS PERFORMED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND MANUFACTURER MAINTENANCE MANUALS.

Samuel R. Humbles [REDACTED]

AERO SERVICES, INC.

AIRCRAFT LOG

DATE: 12-28-21 REG. # N513JM SER. # LJ-1274 W.O. 21303
TACH: N/A HOBBS: TSN: LANDINGS:

REMOVED TRIM ADAPTER AND REINSTALLED AFTER RECERTIFICATION. REMOVED AP COMPUTER AND INSTALLED LOANER UNIT. REMOVED ALTIMETER AND REINSTALLED AFTER OVERHAUL. REMOVED R/H ACTUATOR AND REINSTALLED AFTER OVERHAUL. OPS CHECK GOOD.

ROBERT F. McDOWELL III [REDACTED]

AERO SERVICES, INC.

AIRCRAFT LOG

DATE: 01-14-22 REG. # N513JM SER. # LJ-1274 W.O. 21312
TACH: N/A HOBBS: TSN: LANDINGS:

REMOVED L/H AND R/H MAIN TIRES AND INSTALLED NEW (2) P/N 850T06-3 WITH NEW O-RINGS (2) P/N MS28775-266. REMOVED AND INSTALLED NEW L/H AND R/H BRAKE DISCS (2) P/N APS164-20900 AND LININGS (1) P/N APS65-00000

ROBERT F. McDOWELL III [REDACTED]

AERO SERVICES, INC.

AIRCRAFT LOG

DATE: 02-07-22 REG. # N513JM SER. # LJ-1274 W.O. 21365
TACH: N/A HOBBS: TSN: LANDINGS:

REMOVED LOANER FLIGHT COMPUTER AND INSTALLED REPAIRED UNIT S/N 2554 - GROUND CHECK GOOD.

ROBERT F. McDOWELL III [REDACTED]

AERO SERVICES, INC.

AIRCRAFT LOG

DATE: 04-15-22 REG. # N513JM SER. # LJ-1274 W.O. 21443
TACH: N/A HOBBS: 0999.4 TSN: 4443.7 LANDINGS: 5927

INSTALLED NEW GAS CAP P/N 100-381005-15. INSTALLED NEW GAS CAP LANYARDS (3) P/N MS27286-3

ROBERT F. McDOWELL III [REDACTED]

DATE	TOTAL TIME OF SERVICE	TACH FOR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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AERO SERVICES, INC.**AIRCRAFT LOG**

DATE: 04-27-22 REG. # N513JM SER. # LJ-1274 W.O. 21453
TACH: N/A HOBBS: 1012.4 TSN: 4456.7 LANDINGS: 5940

4 FTT: 4456.5

OPENED AIRCRAFT AND INSPECTED FOR A PHASE 1 INSPECTION IAW BEECH MANUAL 5-25-00. JACKED AIRCRAFT. REMOVED AND INSTALLED NEW FRONT WHEEL BEARINGS (2) P/N 19150 AND CUPS (2) P/N 19268. REPACKED WHEEL BEARINGS. LUBRICATED AIRCRAFT AS REQUIRED. REMOVED RUDDER BOOST FILTER AND INSTALLED NEW P/N 2J4-7. COMPLIED WITH 12 MONTH WING BOLT LUBE. COMPLETED 200 HOUR LUBRICATION. COMPLIED WITH UPPER AND LOWER SPAR CAP INSPECTION. COMPLIED WITH PNEUMATIC N-HOSE COUPLING INSPECTION. NO DEFECTS. REMOVED L/H AND R/H UPPER FWD WING BOLTS USING KITS (2) P/N 101-4025-1 S/N's 9529/9530. REMOVED AND INSTALLED L/H AND R/H AFT WING BOLTS AND INSTALLED NEW USING KITS P/N 101-4026-1 S/N's 263/264. WING BOLTS DUE RETORQUE 4556.7 TSN. INSTALLED NEW INLET HEAT TUBE CLAMPS (4) P/N NH1005818-10. INSTALLED LONESTAR 28V DC CIG LIGHTER P/N LS03-05025 S/N 008-008857. REMOVED AND INSTALLED NEW L/H BRAKE O-RINGS (4) P/N 101-24200 AND (4) P/N 095-02600 AND BLED AS REQUIRED. REMOVED AND INSTALLED NEW HYDRAULIC FILTER P/N AN6235-3A - DUE AGAIN @ 2212.4 HOBBS. CHECKED ELT PER FAR 91.207, TESTED, NO DEFECTS. - RETIREMENT DATE OF BATTERY IS 02/2024. CLEANED AIRCRAFT AND LUBRICATED ALL BEARINGS PULLEYS AND BELLCRANKS AND FITTINGS. CLOSED AIRCRAFT. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A PHASE 1 INSPECTION AND IS APPROVED FOR RETURN TO SERVICE.

ROBERT F. McDOWELL III



SAI Flight Support Co.
FAA Repair Station

864-747-7962
Phone

Model	C90A	Aircraft Maintenance	Work Order #	3450
Serial number	LJ-1274	Log Record	Hour Meter	1129.9
Registration	N513JM	Page: 1 of 1	AC TT	4574.0
		Date: 8/02/2022	Cycles	

Maintenance Performed

- Performed operational check of the left and right engine rigging. Adjusted the right engine low pitch torque setting. Operational checked satisfactory. All work accomplished in accordance with Textron Aviation Maintenance manual and the Blackhawk ICA Doc# 19003-05 Rev B
- Performed operational check of the landing gear steering. Cleaned, inspected and lubed nose landing gear steering rod assembly. Lubed nose steering components. Removed, disassembled, cleaned, visually inspected nose gear shimmy dampener. Reassembled nose gear steering dampener with new o-rings and MILH-5606 hydraulic fluid and reinstalled. Taxied Aircraft, no defects noted. All work accomplished in accordance with the Textron Aviation King Air C90 Maintenance manual chapter 32-00-00.
- Removed and replaced all brake linings Part Number: 066-09000. Removed, disassembled, visually inspected and reassembled the left landing gear brake calipers using new O-rings Part Number: MS28775-227. Bled brake caliper and serviced reservoir with MILH-5606 hydraulic fluid. Operational checked satisfactory. All work accomplished in accordance with the Cleveland Wheel and Tire Technician Service Guide.
- Complied with the left- and right-wing bolt retorque. No bolts turned at this time. All work accomplished in accordance with the Textron Aviation C90 King Air maintenance manual Chapter 57-00-00.

I certify that this Aircraft and or components identified above have been inspected or repaired as required by 91.409 (f) (3) and the aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

END

Signed:
Frederick
SAI Flight
CRS

Date 8/02/2022

54SD161D



SAI Flight Support Co.
FAA Repair Station

864-747-7962
Phone

Model	C90A	Aircraft Maintenance	Work Order #	3606
Serial number	LJ-1274	Log Record	Hour Meter	1382.9
Registration	N513JM	Page: 1 of 3	AC TT	4827.0
		4/6/2023	Cycles	6137

Inspections and Routine Maintenance

- Complied with the Phase 1-4 inspection. All work accomplished in accordance with the Textron Aviation King Air 90 Maintenance manual chapter 05-26-02.
- Complied with annual ELT inspection IAW Artex CMM 25-62-11 and FAR 91.207 (d) with no defects noted. ELT P/N 453-5002-366 S/N 170-07296 ELT Batt P/N 452-0133 S/N 379912-013 ELT Batt EXP Date FEB 2024 HEX ID 2DC8553900FFBFF
- Complied with the annual cockpit and cabin fire extinguishers weight and pressure check. cockpit: DOM:2022 4lbs 10 oz, cabin: DOM: 2022, 4lbs 9 oz.
- Complied with the 200-hour lubrication items. All work accomplished in accordance with the Textron Aviation King Air 90 Series Maintenance Manual Chapter 12-00-00.
- Complied with the annual wing bolt lubrication. All work accomplished in accordance with the Textron Aviation King Air 90 Series Maintenance Manual Chapter 57-00-00.
- Complied with the Annual left and right upper and lower wing spar caps inspection. All work accomplished in accordance with the Textron Aviation SIRM Chapter 57-00-00.
- Complied with the annual cabin entrance door lock bolt inspections. All work accomplished in accordance with the Textron Aviation King Air 90 Series Maintenance Manual Chapter 52-00-00.
- Complied with the annual emergency exit inspection. All work accomplished in accordance with the Textron Aviation King Air 90 Series Maintenance Manual Chapter 52-00-00.
- Complied with the annual airframe corrosion inspection. All work accomplished in accordance with the Textron Aviation King Air 90 Series Maintenance Manual Chapter 05-00-00.
- Complied with the left and right pneumatic system bleed valve check. All work accomplished in accordance with the Textron Aviation King Air 90 Maintenance manual chapter 30-00-00.
- Complied with Pilot's control Panel, co-pilots circuit breaker panel edge lighted inspection in accordance with king Air 90 Maintenance Manual 33-10-01.
- Complied with FAR 91.411 & FAR 91.413. See separate log entry for details.
- Complied with annual cabin altitude warning pressure switch test in accordance with the Textron Aviation King Air 90 Series Maintenance Manual 21-30-01. No discrepancies noted.
- Complied with the left and right BLR Winglets Inspection in accordance with the BLR Document BLR DOC# KA90W-950.
- Complied with Raisbeck Wing Locker Inspection in accordance with Raisbeck Doc#85-120.
- Performed operational check of the aileron trim. Operational checked satisfactory. All work accomplished in accordance with the Textron Aviation king Air 90 Maintenance manual chapter 27-00-00.

Discrepancies

- Removed and replaced pilots push to talk switch. Switch Part Number CA99-340253-1. All work accomplished in accordance with Textron Aviation King Air 90 Maintenance Manual Chapter 23-00-00.
- Removed and replaced bulbs in right auto ignition annunciator part number 327 installed. Operational check satisfactory. All work accomplished in accordance with the Textron Aviation King Air 90 Series Maintenance Manual Chapter 33-00-00.
- Performed ground pressurization with cart. Removed and replaced left side vent blower duct and seals Part Numbers: 50-380121, 50-554265-3 and 50-554265-9. Resealed air conditioner plenum. Replaced left stub wing fairing nutplate. Operational checked satisfactory. All work accomplished in accordance with the Textron Aviation King Air 90 Maintenance manual chapter 21-00-00.
- Repaired right aft wing bolt cover tab. All work accomplished in accordance with the Textron Aviation King Air 90 Structural Inspection and Repair manual chapter 20-00-00.
- Removed and replaced rudder boost filter, part number 101-524009-0163 installed. All work accomplished in accordance with the Textron Aviation 90 Series Maintenance Manual Chapter 27-00-00.

- Performed operational check of the A/C system. Found diode shorted, Replaced diode Part Number: 1N4005. Operational checked satisfactory in auto and manual modes. All work accomplished in accordance with the Textron Aviation King Air 90 Maintenance manual chapter 21-00-00.
- Removed and replaced left prop RPM indicator Part Number: 90-384028-5 Serial Number: A5915. All work accomplished in accordance with the Textron Aviation King Air 90 Maintenance manual chapter 77-00-00.
- Replaced lower main landing gear handle bulb Part Number: 327. All work accomplished in accordance with the Textron Aviation King Air 90 Maintenance manual chapter 32-00-00.
- Removed and replaced #2 A/C inverter Part Number: 6430250-4 Serial Number: M22-12147. Operational checked satisfactory. All work accomplished in accordance with the Textron Aviation King Air 90 Maintenance manual chapter 24-00-00.
- Removed and replaced inflatable cabin door seal, part number 50-430061-27 installed. All work accomplished in accordance with the Textron Aviation Super King Air 90 Maintenance Manual Chapter 52-10-13.
- Removed the left and right landing light bulb installed PMA Part Number: 01-1030-4596 Serial Numbers: M23918-036 and PMA part number M23918-037. Operational checked satisfactory. All work accomplished in accordance with Textron Aviation King Air 90 Maintenance manual chapter 33-00-00 and STC SA02386K.
- Removed and replaced left heated fuel vent. Installed new heated fuel vent part number EE-366L, serial number 019621. All work accomplished in accordance with the Textron Aviation King Air 90 Series Maintenance Manual Chapter 28-00-00.
- Removed and replaced left tail flood light bulb Part Number: 34-0228070-67. Operational checked satisfactory. All work accomplished in accordance with the Textron Aviation King Air 90 Maintenance manual chapter 33-00-00.
- Patched holes in deicer boots and touched up conductive cement. All work accomplished in accordance with the Textron Aviation King Air 90 Series Maintenance Manual Chapter 30-00-00.
- Performed operational check of the cabin door seal pressure. All work accomplished in accordance with the Textron Aviation King Air 90 maintenance manual chapter 52-00-00.
- Replaced nose landing gear actuator swivel fitting O-rings Part Numbers: MS28775-013, 143084-6, 143107-6 and 143107-7. Operational and leak checked satisfactory. All work accomplished in accordance with the Textron Aviation King Air 90 Series Maintenance Manual Chapter 32-00-00.
- Disassembled, cleaned and inspected nose wheel halves. Reassembled nose wheel assembly using new tire and O-ring. Part Number: 650C06-3 Serial Number: 23330146. All work accomplished in accordance with the Textron Aviation King Air 90 Series Maintenance Manual Chapter 32-00-00.
- Performed operational check of the landing gear warning horn. Adjusted the power lever warning horn switches. Operational checked satisfactory. All work accomplished in accordance with the Textron Aviation King Air 90 maintenance manual chapter 32-00-00.
- Removed and replaced right elevator middle hinge bonding wire Part Number: MS25083-1BB4. All work accomplished in accordance with the Textron Aviation King Air 90 Maintenance manual chapter 27-00-00.
- Replaced bulbs Part Number: 327 in the caution annunciator panel. All work accomplished in accordance with the Textron Aviation King Air 90 Maintenance manual chapter 33-00-00.
- Removed and replaced #1 cabin reading light bulb P/N GE 303 in accordance with King Air 90 Maintenance Manual 33-20-00.
- Replaced one instrument indirect light bulb part Number: 1864. All work accomplished in accordance with the Textron Aviation King Air 90 maintenance manual chapter 33-00-00.
- Removed and replaced rudder trim tab assembly Part Number: 96-630000-335. Operational checked satisfactory. All work accomplished in accordance with the Textron Aviation King Air 90 Maintenance manual chapter 27-00-00.
- Removed and replaced the emergency exit seal supply line Part Number: 50-420013-1105. All work accomplished in accordance with the Textron Aviation King Air 90 Maintenance manual chapter 52-00-00.
- Removed right starter/generator part number 23048-016, serial number 13324. Installed overhauled starter/generator part number 23048-016, serial number P1501. Starter/generator was overhauled by Memphis Propeller Service, Inc. of Olive Branch, MS. FAA Certificate Number PIR441M. Reference FAA Form 8130-3 tracking number SG0422019 dated May 25, 2022, for work details. All work accomplished in accordance with the Textron Aviation 90 Series Maintenance Manual Chapter 24-00-00
- Replaced left stub wing drain grommet. All work accomplished in accordance with the Textron Aviation King Air 90 Maintenance manual chapter 57-00-00.
- Replaced rivnut in left avionics door catch plate. All work accomplished in accordance with the Textron Aviation King Air 90 Structural Inspection and Repair manual chapter 20-00-00.
- Serviced oxygen. All work accomplished in accordance with the Textron Aviation King Air 90 Maintenance manual chapter 35-00-00.
- Replaced right outboard flap leading edge rib using Kit Number: 101-4072-1 Serial Number: 2196. All work accomplished in accordance with the kit installation manual.

- Repaired left outboard flap cove stiffener. All work accomplished in accordance with the Textron Aviation King Air 90 Structural Inspection and Repair Manual chapter 20-10-13.
ADs Checked through bi-weekly listing 2023-6

I certify that this Aircraft and or components identified above have been inspected or repaired in accordance with a phase 1-4 inspection as required by 91.409 (f) (3) and the aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

END

Signed:

Frederick Cassel
SAI Flight Support Co. CRS

Date 4/6/2023



Model	C90A	FAR 91.411/413	Work Order #	3606
Serial number	LJ-1274	Log Record	Hour Meter	1382.9
Registration	N513JM	Page 1 of 1	AC TT	4827.0
Date:				

Make	Model	Serial #	Alt Tested
# 1 Pilots Alt	KDC-298	065-0044-03	35,000
# 2 Co-Pilots Alt	United Instruments	5934A-1	35,000
STBY	ESI-500	9200-15000-0101	35,000

Transponder

Make	Model	Serial #
Garmin	GTX 345R	3EH022127
Garmin	GTX 33	89106750

- COMPLIED WITH REQUIREMENTS OF FAR 91.411 AND 91.413

Signed [Redacted]

Date: 4/6/2023



SAI Flight Support Co.
FAA Repair Station

864-747-7962
Phone

Model	C90A	Aircraft Maintenance	Work Order #	3732
Serial number	LJ-1274	Log Record	Hour Meter	1474.9
Registration	N513JM		AC TT	4919.0
		Date 8/10/2023	Cycles	

Maintenance Performed

- Removed pilot windshield part number 101-384025-15, serial number 95123H7423. Installed overhauled windshield part number 101-384025-23, serial number 23103R2162. Unit was overhauled by PPG Industries Inc. of Huntsville, AL. FAA Certificate Number IL4R262M. Reference FAA Form 8130-3 tracking number Q8827 dated April 21, 2023 for work details. All work accomplished in accordance with the Textron Aviation King Air 90 series MM chapter 56-10-00.

I certify that this Aircraft and or components identified above have been inspected or repaired in accordance with a as required by 91.409 (f) (3) and the aircraft is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

END

Signed: _____

Date 8/10/2023

Kelly Robinson
SAI Flight Support Co. CRS _____

		SAI Flight Support Co. FAA Repair Station		
Model	KA C90A		Work Order#	3801
Serial Number	LJ-1274	Airframe	Hour Meter	1512.3
Registration	N513JM	Log Record		
Page	1 of 1			

Discrepancies

- Jacked aircraft and removed Left and Right main wheel assemblies. Deflated, disassembled, and cleaned all wheel halves. Performed visual inspection of all wheel halves with no defects noted this inspection. Installed new tire Part Number 025-350-0 at Left and Right main location. Serial Number: 3175T00308 installed at Left main location. Serial Number: 3175T00315 installed at Right main location. New tires installed using new o-rings Part Number: M83461/1-266. Lube torqued wheel bolts to 300 inch pounds. Cleaned and inspected wheel bearings with no defects noted. Serviced wheel bearings with Aeroshell 5 grease. Reinstalled main wheel assemblies and saftied axle nut with cotter pins. Serviced tires with nitrogen. All work accomplished in accordance with the Textron Aviation King Air 90 Series Maintenance Manual and the Parker Cleveland Technicians Service Manual.
- Removed and replaced Left and Right brake disc worn to limits, Part Number 164-20900 installed. All work accomplished in accordance with the Parker Cleveland Technicians Service Manual.

I certify that this Airframe and or component identified above has been inspected or repaired in accordance with current federal aviation regulations and is approved for return to service with respect to the work performed. -- END --

Johnathan M. Lollis
SAI Flight Support Co. _____

Signed: _____

Date: 11-04-2023

DATE



SAI Flight Support Co.
FAA Repair Station

864-747-7962
Phone

RK

Model	C90A	Aircraft Maintenance	Work Order #	3899
Serial number	LJ-1274	Log Record	Hour Meter	1582.1
Registration	N513JM	Page: 1 of 3	AC TT	5026.2
		Date 3/9/2024	Cycles	6381

Inspections and Routine Maintenance

- Complied with Phase 1-4 inspections. All work accomplished in accordance with the Textron Aviation King Air 90 MM chapter 05-26-02 (Rev D0).
- Complied with task 5-11-00 800-hour replacement of the pressurization control filter P/N 146898-1. All work performed IAW King Air 90 MM chapter 21-00-00.
- Complied with task 5-11-00 #2 engine overspeed governor 3600-hour overhaul. Removed P/N 210631 S/N 2456613 and installed overhaul P/N 210631 S/N 1806166M. All work performed IAW King Air 90 MM 71-00-00
- Complied with task 12-20-00 lubrication items 1000 cycle/30-month landing gear actuator support bearings lubrication. All work performed IAW King Air 90 MM chapter 12-00-00.
- Complied with task 5-11-00 400-hour replacement of the evaporator filter. All work performed IAW King Air 90 MM chapter 21-00-00.
- Complied with task 5-20-05 1000-cycle nose gear actuator clevis inspection. All work performed IAW King Air 90 MM chapter 32-00-00.
- Complied with task 12-20-00 400-hour lubrication items. All work performed IAW King Air 90 MM chapter 12-00-00.
- Complied with task 5-20-05 the 3-month periodic check of the standby battery All work accomplished in accordance with the L3 Communications-Avionics Systems Emergency Power Supply Component Maintenance Manual.
- Complied with task 5-11-00. replacement of landing gear retraction and extension hoses. Installed new hoses 101-388016-13 (2), 101-388015-3, 101-388015-7, 101-388015-1, 101-388015-5, 101-388016-9, 101-388016-3, 101-388016-1. Serviced hydraulic reservoir with MILH5606 hydraulic fluid. Performed retraction and extension of landing gear system in normal and emergency modes. Operational and leak checked satisfactory. All work performed IAW King Air 90 MM chapter 32-00-00.
- Complied with task 12-20-00 12-month lubrication items. All work performed IAW King Air 90 MM chapter 12-00-00.
- Complied with task 57-13-03-201 upper and lower outboard wing panel main spar visual inspection. All work performed IAW King Air 90 MM chapter 57-00-00.
- Complied with Task 5-11-00 replacement of instrument air filter. All work performed IAW Textron Aviation King Air C90A MM 36-00-00.
- Complied with task 23-cus-012 12-month static wick inspection. See Item #80. All work performed IAW King Air 90 MM chapter 23-00-00.
- Complied with task 243072 battery capacity check. Battery P/N: RG-380E/44K S/N: 70015316 failed check. Removed and replaced battery IAW Textron Aviation King Air C90A MM 24-00-00. P/N ON: RG-380E/44K S/N ON: 70033292.
- Complied with Task 27-3459 REV2, annual control gust lock inspection. Gust lock provided with aircraft found to be compliant. All work accomplished in accordance with the Service Bulletin 27-3459R2.
- Complied with task 5-11-00 3600-hour #1 engine overspeed governor overhaul. Removed P/N 210631 S/N 2258056 Installed overhauled P/N 210631 S/N 2169518M. All work performed IAW King Air 90 MM chapter 71-00-00.
- Complied with Task 4-00-00 - left and right lower forward wing bolt and nut replacement, Part Numbers: 130909B175, 130909N46, NAS1515H14 and AN960PD1416. All work accomplished in accordance with the Textron Aviation SIRM Chapter 57-00-00.
- Complied with task 12-20-00 800-hour lubrication items. All work performed IAW King Air 90 MM chapter 12-00-00
- Complied with task 12-20-00 200-hour lubrication items. All work performed IAW King Air 90 MM chapter 12-00-00.
- Complied with task 12-20-00 1200 hour/ 60-month lubrication items. All work performed IAW King Air 90 MM chapter 12-00-00.
- Complied with inspection and operational test of the pilots' & copilot's and standby altimeter IAW FAR 91.411 and King Air 90 series maintenance manual 34-10-03. Complied with the inspection and operational test of the #1 and #2 transponders IAW FAR 91.413 and King Air maintenance manual 34-55-01. Pilot's altimeter PN:066-3062-00 SN: 2631 Copilots altimeter PN: 5934A-1 SN: 6F708 STBY altimeter PN: 9200-15000-0101 SN: 1058
1 transponder PN: 011-03303-00 SN: 3EH022127
2 transponder PN: 011-00779-30 SN: 89106750.
- Complied with the annual Cabin Altitude Warning Pressure Switch IAW King Air MM procedure 35-20-01 with no defects noted.

Wing
Bolts

DATE

- Complied with ELT inspection IAW FAR 91.207 and King Air 90 series maintenance manual 25-67-01. Beacon ID: 2DC8553900FFBFF.
- Replaced ELT battery PN: 452-0133 SN: 379912-013 with a new ELT battery PN: 452-0133 SN: 1007688-022 King Air 90 series maintenance manual 25-60-01. **New battery expiration: JUN 2029.**
- Complied with TASK 57-13-03-201, 5-year wing bolt inspection- fluorescent penetrant and eddy current inspection of all left and right wing-attach fitting flat surfaces, depressions, counterbores, bolt bores, barrel nut recess, wing bolts, and lower forward main spar clevis fittings with no defects found this inspection. All work accomplished in accordance with the Textron Aviation SIRM Chapter 57-00-00.
- Complied with task 5-11-00, overhaul of the #1 engine starter/generator. Removed starter/generator P/N: 23048-016 S/N:19988 and replaced with overhauled starter/generator P/N: 23048-016 S/N: 15049. Unit was overhauled by Memphis Propeller & Accessories LLC. of Olive Branch, MS. FAA certificate number MPAR349E. Reference FAA form 8130-3 tracking number SG0224035 dated 29FEB2024 for work details. All work accomplished in accordance with the Textron King Air 90 series maintenance manual 24-00-00.
- Complied with task 5-11-00A 800-hour left pneumatic flow control solenoid valve filter cleaning. All work performed IAW King Air 90 MM chapter 21-00-00.
- Complied with task 5-11-00A 800 hour right pneumatic flow control solenoid valve filter cleaning. All work performed IAW King Air 90 MM chapter 21-00-00.
- Complied with task 5-20-05 800-hour left and right detailed aileron inspection. All work performed IAW King Air 90 MM chapter 57-00-00.
- Complied with task 05-29-00-201 continuous corrosion control inspection. All work performed IAW King Air 90
- Complied with task 26-00-00 cabin and cockpit fire extinguisher maintenance and weight check. Cabin DOM: 2022 WT: 4LBS 10OZ Cockpit DOM: 2022 WT: 4LBS 10OZ. All work performed IAW King Air 90 MM chapter 26-20-00.
- Complied with task 5-20-05 pilots fuel control panel and lower panel, co-pilots circuit breaker panel inspection. All work performed IAW King Air 90 MM chapter 5-00-00.
- Complied with task 5-20-05 annual left- and right-wing spar cap inspection. All work performed IAW King Air 90 MM chapter 57-00-00.
- Complied with task BLR-KA90W-950 annual BLR winglets inspection. All work performed IAW BLR ICA BLR-KA90W-950
- Complied with task 54-CUS-012 30-month nacelle fuel cell inspection All work performed IAW King Air 90 MM chapter 54-00-00.

Discrepancies

- Removed and replaced tail navigation base and lamp holder assembly P/N: A-3510. Installed new bulb P/N: 1683. OPS check satisfactory. All work performed IAW Textron Aviation King Air C90A MM 33-00-00.
- Cleaned electrical connections and reconnected cannon plugs. OPS check satisfactory. All work performed IAW Textron Aviation King Air C90A MM 33-00-00.
- Replaced LH tail flood light bulb P/N: 34-0428070-64. OPS check satisfactory. All work performed IAW Textron Aviation King Air C90A MM 33-00-00.
- Replaced heat shield protection on RH engine inboard wire bundle. All work performed IAW Textron Aviation King Air C90A MM 20-00-00.
- Removed and replaced bottom bulb in landing gear handle. OPS check satisfactory. All work performed IAW Textron Aviation King Air C90A MM 33-00-00.
- Adjusted landing gear warning horn switches bracket. All work performed IAW King Air 90 MM chapter 32-00-00.
- Adjusted LH card table as required. OPS check satisfactory.
- Changed potentiometer for the Copilots instrument lighting PN: CM42873. Found post lights bad on multiple engine instruments. Changed post lights PN: 5100CW28B. Work done IAW King Air 90 series maintenance manual chapter 33.
- Replaced Velcro as needed IAW SPM 20-00 and secured toilet seat back.
- Replaced 5 static wicks P/N: 101-380053-11 and 1 static wick base P/N: 82B001-21. All work performed IAW Textron Aviation King Air C90A MM 23-00-00. OPS check satisfactory.
- Removed shimmy damper. Disassembled and cleaned shimmy damper components. Rebuilt shimmy damper using new O-rings Part Number M83461/1-111(x2), M83461/1-116(x2), M83461/1-218(x2), and M83461/1-216(1x) and serviced with Mil-H-5606 hydraulic fluid. Reinstalled shimmy damper assembly on aircraft. Operational and leak check satisfactory. All work accomplished in accordance with the King Air 90 MM Chapter 32-00-00.
- Replaced rudder trim tab aft bolt and bushing. All work performed IAW Textron Aviation King Air C90A MM 27-00-00. OPS check satisfactory.
- Replaced LH elevator aft rod end and bolt. All work performed IAW Textron Aviation King Air C90A MM 27-00-00.
- Serviced all tires with nitrogen. All work accomplished in accordance with the Textron Aviation King Air 90 MM chapter 12-00-00.
- Removed and replaced LH/RH beta blocks IAW Textron Aviation King Air C90A MM 61-00-00.
- Replaced chafe tape on LH/RH winglets.

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Page 3 of 3

- Found broken pin on the common side of the cabin altitude warning switch. Repaired broken pin IAW King Air 90 series maintenance manual chapter 25 standard wiring practices.
- Removed and replaced LH prop RPM gauge P/N 90-384028-5. All work performed IAW King Air 90 MM chapter 31-00-00.
- AD 2023-13-11 does not apply due to part numbers not installed.
- AD 2023-12-25 does not apply per part number installed.

ADs checked through bi-weekly listing 2024-4.

END

I certify that this Aircraft and/or components identified above have been inspected or repaired as required by 91.409 (f) (3) and in accordance with the applicable maintenance publications and the aircraft is approved for return to service with the following details are on file at this repair station.

Signed

Date 3/9/2024

Frederick Cassel

SAI Flight Support Co. CRS

Leading Edge Montana, LLC.

N513JM

Beechcraft C90A

S/N: LJ-1274

8/6/2024

Hobbs: 1618.3

TTAF: 5062.4 Landings: 6421

Completed Phase 1-4 inspections and all related servicing in accordance with Exec Air Montana Inc. AAIP.

Tested ELT IAW FAR 91.207(d). Battery due 6/2029.

Performed windshield torque check, torqued screws to 20 in/lbs.

Removed, cleaned, and inspected all wheel bearings. Greased and reinstalled all wheels and brakes.

Jacked aircraft and performed multiple gear retract, extend and emergency down cycles.

Inspected, cleaned and reinstalled left and right engine fuel screens.

Replaced right aileron outboard static wick with new, P/N DD1W.

Completed aircraft weight and balance, see POH for details.

Completed left and right nacelle fuel cell and probe inspection, no defects noted.

Complied with left and right wing fuel probe inspection, no defects noted.

Left and right compressor bleed valves removed, tested and reinstalled, no defects noted.

Replaced rudder boost filter with new, P/N AA2J4-7.

Complied with SB 53-3105 by visual inspection and missing rivet spacing of upper and lower wing, no defects noted.

Installed various missing placard.

I Certify that this aircraft has been inspected in accordance with an Approved Aircraft Inspection and was determined to be in an Airworthy Condition.

Approved for return to service

By

Inspector

CRS# E

WO#24-0988

Leading Edge Montana, LLC.

N513JM

Beechcraft C90A

S/N: LJ-1274

8/06/2024

Hobbs: 1618.3

TTAF: 5062.4 Lnds: 6421

This aircraft is now maintained under Exec Air AAIP.

By

Inspector

CRS#

W/O: 24-0988

SAI FLIGHT SUPPORT, INC.

FAA APPROVED Repair Station

Altimeter Scale Error

Correction Card

Test PT (ft)	Indicator Reading @ +25°C	Test PT (ft)	Indicator Reading @ +25°C
(1,000)	-980	16,000	15970
0	0	18,000	18970
500	480	20,000	20970
1,000	1980	22,000	21970
1,500	1,480	25,000	24970
2,000	1,980	30,000	29970
3,000	2,980	35,000	34970
4,000	3,980	40,000	
6,000	5,980	45,000	
8,000	7,980	50,000	
10,000	9,980	55,000	
12,000	11,980	60,000	
14,000	13,970	70,000	

Air Data Source

Pilots
Copilots

HSTBY

Serial #

Date

Tech:

1658

3-4-24

A. HURST

Executive Beechcraft inc.

DATE	TOTAL TIME OF SERVICE	TACH FOR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			AEROTRONICS INC CRS NH2R031L BILLINGS MT 59105 Reg #: 513JM Make: BEECH S/N: LJ1274 Date: 08-07-2024 Hobbs: 1619.0 A/C TT: 5063.1 TACH: PERFORMED AVIONICS INSPECTION IAW EXEC AIR AVIONICS INSPECTION CHECKLIST. SEE [REDACTED] AG028. TOM BINON [REDACTED]
			Leading Edge Montana, LLC. [REDACTED] N513JM Beechcraft C90A S/N: LJ-1274 8/14/2024 Hobbs: 1619.8 TTAF: 5063.9 Replaced co pilot mic switch with new, P/N CA601-4300, IRT Beech C90 MM and Wiring Manual. Performed operational checks, no defects noted. Performed ESI battery calibration, no defects noted. Next due 9/2025. Replaced 11 annunciator bulbs with new, P/N OL632. Approved for return to service By [REDACTED], Inspector CRS# [REDACTED] WO#24-1010
			Leading Edge Montana, LLC. [REDACTED] N513JM Beechcraft C90A S/N: LJ-1274 8/16/2024 Hobbs: 1619.8 TTAF: 5063.9 Installed used/serviceable cargo net, P/N 90-530140-7, IAW Beech C90 MM. Complied with Mandatory Service Bulletin 71-3185 by installing Kit, P/N 109-9011-1, IAW SB and Kit Instructions. Pressure and leak check complete with run up, no defects noted. Approved for return to service By [REDACTED], Inspector CRS# [REDACTED] WO#24-1013
			Leading Edge Montana, LLC. [REDACTED] N513JM Beechcraft C90A S/N: LJ-1274 9/9/2024 Hobbs: 1625.0 TTAF: 5069.1 Replaced N1 tach-generator with overhauled, P/N 50-380034-3, S/N 31B42. Installed new transistor in overhauled panel, pilot gyro lighting, P/N 132404-42. Replaced right starter switch with new, P/N MS24659-31M. Performed operational checks, no defects noted. Approved for return to service By [REDACTED], Inspector CRS# [REDACTED] WO#24-1030
			Leading Edge Montana, LLC. [REDACTED] N513JM Beechcraft C90A S/N: LJ-1274 10/29/2024 Hobbs: 1644.9 TTAF: 5089.0 Removed co-pilot direction gyro, P/N 060-0013-01, S/N 2385, and replaced with overhauled unit, P/N 060-0013-01, S/N 2564, see FAA Form 8130-3 dated 5/24/2024 by Southeast Aerospace, Inc. for work performed. Performed operational checks, no defects noted. Approved for return to service By [REDACTED], Inspector

DATE	TOTAL TIME OF SERVICE	TACH FOR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
Leading Edge Montana, LLC. [REDACTED]			
N513JM 12/2/2024	Beechcraft C90A Hobbs: 1661.5	S/N: LJ-1274 TTAF: 5105.6	
Removed co pilot side altitude gyro, P/N 1U149-001-6, S/N T82584P, and replaced with overhauled, P/N 1U149-001-6 S/N T49602H, see FAA Form 8130-3 dated 9/29/2024 by Mid-Continent Instruments and Avionics for work performed. Performed operational checks, no defects noted. Approved for return to service			
By [REDACTED], Inspector CRS# [REDACTED] WO#24-1093			
Leading Edge Montana, LLC. [REDACTED]			
N513JM 12/17/2024	Beechcraft C90A Hobbs: 1672.5	S/N: LJ-1274 TTAF: 5116.6	
Removed right torque indicator, P/N CTA008-2080-F15-20, S/N 009, and replaced with serviceable unit, P/N CTA008-2080-F15-20, S/N 041. Performed operational check, no defects noted. Approved for return to service			
By [REDACTED], Inspector CRS# [REDACTED] WO#24-1103			
Leading Edge Montana, LLC. [REDACTED]			
N513JM 1/7/2025	Beechcraft C90A Hobbs: 1684.8	S/N: LJ-1274	
Replaced landing gear control handle IRT Beech C90 MM, lighting check complete, No defects noted. Approved for return to service			
By [REDACTED], Inspector CRS# [REDACTED] WO#25-1113			
Leading Edge Montana, LLC. [REDACTED]			
N513JM 1/9/2025	Beechcraft C90A Hobbs: 1688.4	S/N: LJ-1274	
Replaced left main tire with new, P/N 850T06-3, S/N 42560204. Inflated to 70 psi, no defects noted. Approved for return to service			
By [REDACTED], Inspector CRS# [REDACTED] WO#25-1119			
Leading Edge Montana, LLC. [REDACTED]			
N513JM 2/3/2025	Beechcraft C90A Hobbs: 1702.2	S/N: LJ-1274	
Replaced tail flash tube assembly with serviceable unit, P/N 01-0790028-01. Performed operational checks, no defects noted. Approved for return to service			
By [REDACTED], Inspector CRS# [REDACTED] WO#25-1104			

Executive Beechcraft inc.

Page No.

DATE	TOTAL TIME OF SERVICE	TACH FOR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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Leading Edge Montana, LLC.

N513JM Beechcraft C90A S/N: LJ-1274
2/17/2025 Hobbs: 1710.1 TTAF: 5153.8 Landings: 6536

Replaced left and right wing locker struts with new, P/N C16-26918.
Removed nose wheel assembly, P/N 101-8026-5, S/N C1323, and removed tire. Installed tire on overhauled wheel assembly, P/N 101-8026-5, S/N 4139, see FAA Form 8130-3 dated 8/25/2022 by World Class Accessory, Inc, for work performed. Inflated tire and installed on nose gear, no defects noted.
Performed cabin altitude warning system test IAW AMM-21-30-11, no defects noted. Next test due 2/17/2026.
Inspected and tested ELT IAW FAR 91.207(d), no defects noted. ELT battery next due 6/2029.
Removed upper and lower edge lighted panels, pilot's side. Replaced 9 bulbs with new, P/N 6838-1001. Assembled panels and reinstalled.
Removed Co pilot CB panel, replaced 5 bulbs with new, P/N 6838-1001. Reinstalled panel.
Lubricated wing bolts.
Performed 12 Month upper and lower spar inspections, no defects noted.
Weighed and inspected cabin and cockpit fire extinguishers, no defects noted.

Approved for return to service

By [REDACTED], Inspector
CRS WO#25-1109

Leading Edge Montana, LLC.

N513JM Beechcraft C90A S/N: LJ-1274
2/28/2025 Hobbs: 1720.1 TTAF: 5164.2

Replaced pilot clock with new, P/N MB801-28, S/N 10373.
Replaced pilot side Map light bulb with new, P/N GE1495.
Performed operational checks, no defects noted.

Approved for return to service

By [REDACTED], Inspector
CRS W/O: 25-1127

Leading Edge Montana, LLC.

N513JM Beechcraft C90A S/N: LJ-1274
3/5/2025 Hobbs: 1722.3 TTAF: 5166.4

Removed left torque indicator, P/N CTA008-2080-F15.20, S/N 011, and replaced with repaired, P/N CTA008-2080-F15.20, S/N 009 see FAA Form 8130-3 dated 2/13/2025 by Hickok Waekon, LLC, for details of work performed.
Replaced co pilot VSI with overhauled unit, P/N 100-384054-1EX, S/N 354092, see FAA Form 8130-3 dated 1/27/2025 by Aero-Mach Labs Inc, for work performed. Performed pitot and static leak check on aircraft, no defects noted.
Adjusted throttle position landing gear warning horn switches, no defects noted.

By [REDACTED], Inspector
CRS W/O: 25-1128