

ion Number

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H L Prop TSOH

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H R Prop TSOH

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MPB

RETURN TO SERVICE.



**DUNCAN
AVIATION**

**N198DM
Bomac Air Inc.**

**Beechcraft King Air B200
S/N: BB1198**

January 6, 2017

Removed faulty pilot's HSI (PN:7000469-918, SN: 83101774) and installed Duncan Aviation tested loaner pilot's HSI (PN:7000469-918, SN: 81111081). Ground test of the pilot's HSI performed IAW Beechcraft King Air B200 AMM 34-21-07-501, no defects noted. No current US Airworthiness Directives apply.

The above described repair or maintenance is approved for return to service. Pertinent details of this repair/maintenance are on file at this repair station under Work Order #4XQVA.

Signed:

Duncan Aviation CRS # JG7D076J

DUNCAN

Phone:

for Duncan Avionics; Englewood, CO 80112

Total Time:

Total Landings:

MAKE: Beech
MODEL: 200
S/N: BB1198
REG. NO: N198DM
WORK ORDER: 6253-02-2017



J.A. Air Center

Repair Station No. NF2R029L

Sugar Grove, Illinois 60554

Phone:

DATE: 21 February, 2017

A/C TSN: 7599.2

Landings: 6149

HOBBS: 599.2

Airframe Entries

1 Removed Loaner HSI and installed Repaired unit 7000469-918, SN 83101774 from Duncan Aviation CRS# JGVR194F WO# 4XQVB. Tested all functions.

Removed P/N 7000469-918, S/N 81111081.

Installed P/N 7000469-918, S/N 83101774.

Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA 145.54247 under Work Order No. 6253-02-2017, Dated 21 February, 2017.

DATE: 21 February, 2017

SIGNED:

Work Order: 6253-02-2017

Doug Mall
Certified Repair Station No. NF2R029L

Printed by EBis 3 (datcomedia.com)

King Air B200	CRS# 1S3R356M	5-19-2017
N198DM		WO: M-17-072
S/N: BB-1198	Stein's Aircraft Services	TTAF: 7650.9
	Kenosha, WI 53144	LANDINGS: 6175
	Airframe log entry	

1. COMPLIED WITH PHASE 1 AND 2 INSPECTIONS IAW KING AIR M/M B200 05-20-01 AND 05-20-02 REV. D5 DATED 2/2017. (050010)
2. COMPLIED WITH 200, 400 AND 1200 HOUR LUBRICATIONS IAW KING AIR B200 M/M 12-20-53. (12202,122040,122070)
3. COMPLIED WITH 36 MONTH/3000 CYCLE LT AND RT INBD AND OUTBD FLAP, FLAP ATTACH BRACKETS, STRUCTURE, TRACKS, ROLLER BEARINGS AND ATTACHING HARDWARE INSPECTION IAW KING AIR B200 M/M 5-20-05. (275010)
4. COMPLIED WITH 12 MONTH LT AND RT NACELLE SPLICE PLATES CONDITION AND CORROSION INSPECTION IAW KING AIR SIRM 57-16-03. NO DEFECTS NOTED. (541001)
5. COMPLIED WITH 1200 HOUR FLAP ACTUATOR PISTON LUBRICATION IAW KING AIR B200 M/M 12-20-53. (122080)
6. COMPLIED WITH 12 MONTH LT AND RT WING BOLT LUBRICATIONS IAW KING AIR B200 M/M 12-20-53. (122120,122620)
7. COMPLIED WITH 12 MONTH PILOT'S FUEL CONTROL PANEL AND LOWER PANEL, CO-PILOTS CIRCUIT BREAKER PANEL AND OTHER WIRING CIRCUITRY BELOW THE STORM WINDOWS INSPECTION IAW KING AIR B200 M/M 33-10-01. (330620)
8. COMPLIED WITH 12 MONTH LT AND RT WING UPPER AND LOWER OUTBOARD WING MAIN SPAR CAP INSPECTION IAW KING SIRM 57-17-01. NO DEFECTS NOTED. (571101,571601)
9. COMPLIED WITH 12 MONTH BATTERY, P/N: RG-380E/60K S/N: 40775913, INITIAL CAPACITY TEST IAW CONCORDE CMM 24-30-71. BATTERY FAILED AT 77.8%. RECONDITIONED BATTERY AND RETESTED. BATTERY PASSED AT 102%. (243100)
10. COMPLIED WITH 12 MONTH CABIN AND COCKPIT PORTABLE FIRE EXTINGUISHER WEIGHT CHECK. (263215,263635)
11. COMPLIED WITH 12 MONTH HORIZONTAL AND VERTICAL STABILIZER INSPECTION IAW KING AIR B200 SIRM 55-00-11. NO DEFECTS NOTED. (550010)
12. COMPLIED WITH 18 MONTH/600 HOUR/AD 1989-19-04 WING CENTER SECTION UPPER SURFACE BONDED PANEL SKIN INSPECTION IAW KING AIR B200 M/M 51-10-01. NO DEFECTS NOTED. (572000)
13. COMPLIED WITH 84 MONTH RT SELF-ILLUMINATING EXIT SIGNS INSPECTION IAW KING AIR B200 M/M 33-50-01. (335002)
14. COMPLIED WITH 200 HOUR AD 2004-23-02/SB 32-2102 R7 NLG LOWER SHOCK ABSORBER INSPECTION/REPLACEMENT
15. AD 2016-11-20 NOT APPLICABLE. EQUIPMENT NOT INSTALLED.
16. COMPLIED WITH 600 HOUR INSTRUMENT AIR FILTER, P/N: 101-380039-1, REPLACEMENT IAW KING AIR B200 M/M 12-20-25. (373106)
17. INSTALLED NEW POWER PACK DRAIN LINE GROMMET AS REQUIRED.
18. CLEANED, ETCHED AND ALODINE CHAFED AREAS ON LT INBD LEADING EDGE AND WING ROOT FARING. APPLIED CHAFE TAPE TO AREAS IRT KING AIR B200 M/M 20-09-00.
19. REMOVED SURFACE CORROSION ON LT NACELLE TANK ACCESS PANEL. ETCHED, ALODINED AND PRIMED AREA IAW KING AIR B200 M/M 20-09-00.
20. INSTALLED NEW LT AUX TANK OUTBD FUEL PROBE TERMINAL BLOCK, P/N: M81714/2-DC1, IAW KING AIR M/M 20-12-01.
21. RESEALED LT NAV ANTENNA IAW KING AIR B200 M/M 20-10-00.

22. APPLIED ONE PATCH TO LT OUT
23. INSTALLED BIRD SCREEN AT P
24. APPLIED EA960F TO RT H-STAP
25. INSTALLED NEW RT WING ICE
26. STOP DRILLED RT WING TIP N
27. INSTALLED NEW LT WING M
28. CLEANED CIRCUIT BOARD AB
29. REMOVED SURFACE CORRO
30. INSTALLED NEW RT WING OU
31. RESEALED LT AND RT WINDS
32. RESEALED LT AND RT COCK
33. FABRICATED DOUBLER OUT
34. OUTBD FLAP COVE INBD CL
35. INSTALLED NEW LT AND RT
36. INSTALLED NEW RT FLAP S
37. INSTALLED NEW FLAP TRAI
38. CLEANED, ETCHED, ALODIN
39. 09-00.
40. REPLACED LT INBD AUX FU
41. REMOVED AND REPLACED
42. REMOVED CORROSION FF
43. REMOVED MINOR SURFAC
44. RETIGHTENED NLG STEEL
45. APPLIED THREE PATCHES
46. APPLIED FIVE PATCHES T
47. INSTALLED NEW LT ENGI
48. INSTALLED NEW CLAMP
49. INSTALLED NEW LT UPPI
50. REMOVED RT ENGINE TO
51. REINSTALLED MANIFOL
52. 20-09-00.
53. INSTALLED NEW RADOM
54. TIGHTENED LT MLG INE
55. INSTALLED NEW BULBS
56. INSTALLED NEW LT AN
57. INSTALLED NEW LT PR
58. INSTALLED NEW QUILL
59. REBONDED RT OIL CO
60. TIGHTENED LT ENGIN
61. REBONDED LT LOWER

5-19-2017

WO: M-17-072

TTAF: 7650.9

INDINGS: 6175

2017. (050010)

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22. APPLIED ONE PATCH TO LT OUTBD WING DEICE BOOT IAW KING AIR B200 M/M 30-10-01.
23. INSTALLED BIRD SCREEN AT RUDDER LOWER HINGE POINT AS REQUIRED.
24. APPLIED EA960F TO RT H-STAB LE CAP IAW KING AIR B200 M/M 51-70-05.
25. INSTALLED NEW RT WING ICE LIGHT LENS, P/N: 50-361127-5, IAW KING AIR B200 M/M 33-40-00. OPS CHECK GOOD.
26. STOP DRILLED RT WING TIP NAV LENS AND SEALED AS REQUIRED.
27. INSTALLED NEW LT WING NAV LENS, P/N: W-2502-LH IAW GREAT LAKES AERO PRODUCTS INSTRUCTIONS.
28. CLEANED CIRCUIT BOARD ABOVE EXTERNAL POWER RECEPTACLE IAW KING AIR B200 M/M 20-12-01.
29. REMOVED SURFACE CORROSION FROM MAIN BATTERY BUS BAR IN RT WING IAW KING AIR B200 M/M 20-09-00.
30. INSTALLED NEW RT WING OUTBD FUEL CAP LANYARD, P/N: MS27380-3. IRT KING AIR B200 M/M 28-10-01.
31. RESEALED LT AND RT WINDSHIELDS WITH CS3204B1/2 IAW KING AIR M/M 20-10-00.
32. RESEALED LT AND RT COCKPIT SIDE WINDOWS WITH CS3204B1/2 IAW KING AIR B200 M/M 20-10-00.
33. FABRICATED DOUBLER OUT OF 2024-T3 .032" AND INSTALLED WITH CR3213-4-3 RIVETS IAW AC 43.13-1B SECTION 4 ON RT OUTBD FLAP COVE INBD CLIP
34. INSTALLED NEW LT AND RT FLAP BONDING JUMPERS, P/N: MS25083-2AA6, IAW KING AIR B200 M/M 27-50-01.
35. INSTALLED NEW RT FLAP SWITCH COVER, P/N: 101-521060-1, IRT KING AIR B200 IPC 27-50-00.
36. INSTALLED NEW FLAP TRANSMITTER LINK, P/N: 101-521024-1, IAW KING AIR B200 M/M 27-50-01.
37. CLEANED, ETCHED, ALODINED AND APPLIED CHAFE TAPE TO LT INBD FLAP UPPER INBD AREA IAW KING AIR B200 M/M 20-09-00.
38. REPLACED LT INBD AUX FUEL PROBE ACCESS COVER NUTPLATES, P/N: MS21059L3, IAW KING AIR B200 M/M 50-50-03.
39. REMOVED AND REPLACED SIX RIVETS, P/N: CR3242-5-04, AT LT INBD AFT NACELLE IAW KING AIR B200 M/M 20-50-03.
40. REMOVED CORROSION FROM LT AND RT ENGINE TRUSS MOUNT GROUNDS IAW KING AIR B200 M/M 20-03-00.
41. REMOVED MINOR SURFACE CORROSION FROM RT FCU TO GOVERNOR AIR LINE TEE IAW KING AIR B200 M/M 20-09-00.
42. RETIGHTENED NLG STEERING STOP BOLTS IAW KING AIR M/M B200 32-20-13.
43. APPLIED THREE PATCHES TO THE RT STABILIZER DEICE BOOT IAW KING AIR B200 M/M 30-10-01.
44. APPLIED FIVE PATCHES TO THE LT STABILIZER DEICE BOOT IAW KING AIR B200 M/M 30-10-01.
45. INSTALLED NEW LT ENGINE STARTER GENERATOR TERMINAL COVER, P/N: 101-369014-5, IAW KING AIR B200 M/M 24-30-03.
46. INSTALLED NEW CLAMP, P/N: AN737TW48, ON RT REFERENCE AIR LINE AT FLOWPACK IAW KING AIR B200 M/M 21-11-01.
47. INSTALLED NEW LT UPPER COWLING AIR SCOOPS, P/N: 101-910078-1, PER AC 43.13-1B SECTION 4.
48. REMOVED RT ENGINE TORQUE TRANSDUCER MANIFOLD BRACKET, REMOVED CORROSION, PRIMED AND PAINTED. REINSTALLED MANIFOLD WITH NEW GROMMETS, P/N: MS35489-38, BUSHINGS, P/N: 105740X-YY0310 IAW KING AIR B200 M/M 20-09-00.
49. INSTALLED NEW RADOME EROSION BOOT, P/N: PM-21, IAW PM RESEARCH INSTRUCTIONS.
50. TIGHTENED LT MLG INBD DOOR ROD END ATTACHMENT IAW KING AIR B200 M/M 32-31-41.
51. INSTALLED NEW BULBS, P/N: 6837, IN FWD NO SMOKING/SEAT BELT ORDINANCE SIGN WRT KING AIR B200 M/M 33-15-00.
52. INSTALLED NEW LT AND RT WINDSHIELD WIPER BLADES, P/N: CA50-384082, IAW PMA PRODUCTS INSTRUCTIONS.
53. INSTALLED NEW LT PROPELLER FEATHER DETENT, P/N: 50-524478-15, IRT KING AIR B200 IPC 76-10-00.
54. INSTALLED NEW QUILL SHAFT BEARINGS, P/N: ES20085-2, IAW KING AIR B200 M/M 20-05-00.
55. REBONDED RT OIL COOLER SEAL IAW KING AIR B200 M/M 20-10-00.
56. TIGHTENED LT ENGINE OIL DRAIN HOSE. NO LEAKS NOTED.
57. REBONDED LT LOWER FWD COWLING FIRE SEALS IAW KING AIR B200 M/M 20-10-00.

58. INSTALLED NUT ON LT ENGINE BRUSH BLOCK IRT BFG CMM 30-60-01.
 59. INSTALLED NEW LT BLEED AIR REFERENCE LINE, P/N: CEETS5-81-5, IAW KING AIR B200 M/M 21-11-01.
 60. APPLIED TWO PATCHES TO THE LT WING INBD DEICE BOOT IAW KING AIR B200 M/M 30-10-01.
 61. INSTALLED NEW RT AIRFRAME FILTER SPACERS, P/N: 9518264 AND CUP, P/N: 02CF211, IAW KING AIR B200 M/M 12-10-01.
 62. INSTALLED REPAIRED RT LOWER FWD COWLING, P/N: 101-910024-601, REPAIRED BY EMERY AIR, INC CRS# E81R759X. REFERENCE W/O: TT 40861 8130-3 DATED 5-16-2017.
 63. INSTALLED NEW SCUPPER DRAIN, P/N: S-43, ON LT INBD WING IAW KING AIR B200 M/M 20-10-00.
 64. INSTALLED NEW LT AND RT AUX TANK FUEL PANELS, P/N: 101-120076-606 (RT) AND P/N: 101-120076-605 (LT) IAW KING AIR B200 M/M 28-10-19. NO LEAKS NOTED.
 65. REBONDED LT INBD LE HEAT EXCHANGER INTAKE SEAL IAW KING AIR B200 M/M 20-10-00.
 66. CLEANED LT NACELLE TANK WITH SOAP, WATER AND METHANOL. TREATED TANKS WITH BIOBOR IRT KING AIR B200 M/M 12-10-01.
 67. INSTALLED NEW LT COWL INBD EXHAUST FLEX DUCT, P/N: B13002-2, IAW BUTTERFIELD INDUSTRIES, INC INSTRUCTIONS.
 68. INSTALLED NEW COWLING FLEX DUCT GASKETS, P/N: B13004-3, IAW BUTTERFIELD INDUSTRIES, INC INSTRUCTIONS.
 69. INSTALLED NEW HEAT EXCHANGER EXHAUST SEAL, P/N: 101-120097-3, IAW KING AIR B200 M/M 20-10-00.
 70. INSTALLED NEW H-STAB CENTER STATIC WICK, P/N: 16310, IAW KING AIR B200 M/M 23-60-03.
 71. EDGE SEALED LT AND RT WING OUTBD DEICE BOOTS WITH A56BR-1 IAW KING AIR B200 M/M 30-10-03.
 72. ADJUSTED LT AND RT OUTBD FLAPS IAW KING AIR B200 M/M 27-50-01.
 73. INSTALLED NEW PHENOLIC WASHERS, P/N: 101-521034-1, ON LT INBD FLAP IAW KING AIR B200 M/M 27-50-01.
 74. INSTALLED NEW LT AND RT INBD AND OUTBD FLAP HARDWARE, P/N's: CYR-1-S-CP BEARINGS, AN5-13A BOLTS, BC56984 BEARINGS, 130909N24 NUTS, 130909B21 BOLTS, 130909B21 BOLTS, 130909N29 NUTS, IAW KING AIR B200 M/M 27-50-01.
 75. INSTALLED NEW LT AND RT INBD AND OUTBD FLAP ACTUATOR ATTACHING HARDWARE, P/N: 50-160020 BUSHINGS, 130909N32 NUTS, IAW KING AIR M/M 27-50-01.
 76. INSTALLED LT AND RT UPPER FWD COWLING INDEX MARKS AS REQUIRED.
 77. REPAIRED RT AND LT P3 LINE LAGGING WITH HIGH TEMPERATURE SEALANT RTV-106 AS REQUIRED.
 78. INSTALLED NEW RT INBD DEICE BOOT, P/N: SMR5041-08 S/N: 1775, IAW KING AIR B200 M/M 30-10-03.
 79. REINSTALLED RT INBD EXHAUST STACK AFTER WELD REPAIR IAW BUTTERFIELD INDUSTRIES, INC INSTRUCTIONS.
 80. INSTALLED NEW FLAP BOLT PATCH PLATES, P/N: 132641-5G, IAW KING AIR B200 M/M 27-50-01.
- I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A PHASE 1 AND 2 INSPECTIONS AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. PERTINENT DETAILS ARE ON FILE AT THIS AGENCY UNDER WORK ORDER M-17-072.

Signature: _____

PAGE 3 of 3

CRS#1S3R356M

YEAR
20
DATE

June 12, 2017
ACTT: 7655.5 Hrs

- 1) Removed A/C condenser
- 2) Installed A/C condenser Technologies, LLC CR

Mark L. McKinney

- inspection, P3 filter c
- 2) Performed MORE 200
- 3) Performed MORE 400 cockpit instruments. section. Removed a safetied CT bolt. In
- 4) Performed 1500 Hr M CRS#QTFR-573L nozzle inspection
- 5) Installed overhauled by Standard Aero
- 6) Installed combustion June 6, 2017.
- 7) Installed new spro as necessary and
- 8) Pratt & Whitney

Mark L. McKinney

- hardwa
- 7) Pratt & V

Mark L.

YEAR

20

DATE

ATS Illinois, Inc.
Airframe Logbook Entry
N198DM
HM: 655.5 Hrs.

Beechcraft B-200
S/N: BB-1198

June 12, 2017
ACTT: 7655.5 Hrs

- 1) Removed A/C condenser axial vane blower assembly P/N:101-384004-5 S/N:1428.
- 2) Installed A/C condenser axial vane blower assembly P/N:EM609-3(101-384004-5) S/N:5209 after overhaul by Electromech Technologies, LLC CRS#PX2R099L under WO#:108820-RO dated February 14, 2017. Ops checks satisfactory.

Mark L. McKinney

A&P

inspection, P3 filter cleaning, and Post Inspection Performance Run.

- 2) Performed MORE 200 Hr inspection Start/Gen shaft inspection, fuel filters, and fuel nozzle inspection.
- 3) Performed MORE 400 Hr inspection borescoped hot section, compressor and power sections. Verified correct operation of cockpit instruments. Performed incoming and post inspection vibration analysis and propeller balance. Removed power section. Removed and visually inspected CT disk. Re-installed CT disk with new key washer P/N:3009022 Torqued and safetied CT bolt. Installed power section with new oil tube o-rings. Ops and leak checks satisfactory.
- 4) Performed 1500 Hr MORE overhaul fuel nozzles by installing fuel nozzles overhauled by Tennessee Aircraft Co. CRS#QTFR-573L Form Tracking #68514-6B2 dated Feb. 1, 2017. Installed fuel nozzles using Aviation Laboratories fuel nozzle inspection kit P/N:AL-FN-301.
- 5) Installed overhauled ITT busbar P/N:3021390 S/N:SS7987A with qty. 8 new seal washers P/N:3022597. Overhaul performed by Standard Aero Ltd of Canada WO# S309083 dated July 20, 2016. Resistance and heat response checks good.
- 6) Installed combustion liner P/N:3103775-01 S/N:0860 after repair by Turbine Weld Inc. CRS#WF5R299N WO #6228 dated June 6, 2017.
- 7) Installed new sprocket P/N:101-910083-23 and bushing P/N:101-910026-111 for engine ice vane override mechanism. Rigged as necessary and lubricated. Ops checks good.
- 8) Pratt & Whitney SB PT6A-72-3485, N/A, S/N of FCU not affected.

Mark L. McKinney

A&P

hardware. Ops and leak checks satisfactory.

- 7) Pratt & Whitney SB PT6A-72-3485, N/A, S/N of FCU not affected.

Mark L. McKinney

A&P

YEAR
20
DATE

Prueba la impresión
un papel normal.

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Faites un test d'impression
sur du papier ordinaire.

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June 12, 2017
Eng TT: 7588.3 Hrs.
Eng TC: 6103

ATS Illinois, Inc.
L/H Engine Logbook Entry
N198DM
HM: 655.5 Hrs.
ACTT: 7655.5 Hrs.

P/N: PT6A-42
S/N: PC-E 93774

- 1) Performed MORE 100hr inspection, completed Initial Performance Run, spectrometric oil analysis, general condition inspection, P3 filter cleaning, and Post Inspection Performance Run.
- 2) Performed MORE 200 Hr inspection Start/Gen shaft inspection, fuel filters, and fuel nozzle inspection.
- 3) Performed MORE 400 Hr inspection borescoped hot section, compressor and power sections. Verified correct operation of cockpit instruments. Performed incoming and post inspection vibration analysis and propeller balance. Removed power section. Removed and visually inspected CT disk. Re-installed CT disk with new key washer P/N:3009022 Torqued and safetied CT bolt. Installed power section with new oil tube o-rings. Ops and leak checks satisfactory.
- 4) Performed 1500 Hr MORE overhaul fuel nozzles by installing fuel nozzles overhauled by Tennessee Aircraft Co. CRS#QTFR-573L Form Tracking #68514-6B2 dated Feb. 1, 2017. Installed fuel nozzles using Aviation Laboratories fuel nozzle inspection kit P/N:AL-FN-301.
- 5) Installed overhauled ITT busbar P/N:3021390 S/N:SS7987A with qty. 8 new seal washers P/N:3022597. Overhaul performed by Standard Aero Ltd of Canada WO# S309083 dated July 20, 2016. Resistance and heat response checks good.
- 6) Installed combustion liner P/N:3103775-01 S/N:0860 after repair by Turbine Weld Inc. CRS#WF5R299N WO #6228 dated June 6, 2017.
- 7) Installed new sprocket P/N:101-910083-23 and bushing P/N:101-910026-111 for engine ice vane override mechanism. Rigged as necessary and lubricated. Ops checks good.
- 8) Pratt & Whitney SB PT6A-72-3485, N/A, S/N of FCU not affected.

Mark L. McKinney

A&P

hardware. Ops and leak checks satisfactory.

- 7) Pratt & Whitney SB PT6A-72-3485, N/A, S/N of FCU not affected.

Mark L. McKinney

A&P

June 12, 2017
Eng TT: 7655.5 Hrs.
Eng TC: 6180

ATS Illinois, Inc.
R/H Engine Logbook Entry
N198DM
HM: 655.5 Hrs.
ACTT: 7655.5 Hrs.

P/N: PT6A-42
S/N: PC-E 93773

- 1) Performed MORE 100hr inspection, completed Initial Performance Run, spectrometric oil analysis, general condition inspection, P3 filter cleaning, and Post Inspection Performance Run.
- 2) Performed MORE 200 Hr inspection Start/Gen shaft inspection, fuel filters, and fuel nozzle inspection.
- 3) Performed MORE 400 Hr inspection borescoped hot section, compressor and power sections. Verified correct operation of cockpit instruments. Performed incoming and post inspection vibration analysis and propeller balance. Removed power section. Removed and visually inspected CT disk. Re-installed CT disk with new key washer P/N:3009022 Torqued and safetied CT bolt. Installed power section with new oil tube o-rings. Ops and leak checks satisfactory.
- 4) Performed 1500 Hr MORE overhaul fuel nozzles by installing fuel nozzles overhauled by Tennessee Aircraft Co. CRS#QTFR-573L Form Tracking #62657-6B2 dated Feb. 15, 2017. Installed fuel nozzles using Aviation Laboratories fuel nozzle inspection kit P/N:AL-FN-301.
- 5) Installed combustion liner P/N:3103775-01 S/N:7A397 after repair by Turbine Weld Inc. CRS#WF5R299N WO #6228 dated June 6, 2017.
- 6) Installed new A/C Drive Quill Shaft P/N:115-555025-9. Performed 600 Hr lubrication of quill shaft. Installed A/C drive bracket assembly with new qty. 2 o-rings P/N:M83248/1-135, torqued and safetied bolts. Re-installed A/C compressor and hardware. Ops and leak checks satisfactory.
- 7) Pratt & Whitney SB PT6A-72-3485, N/A, S/N of FCU not affected.

Mark L. McKinney

A&P

King Air B200	CRS# 1S3R356M	7-19-2017
N198DM		WO: M-17-112
S/N: BB-1198	Stein's Aircraft Services	TTAF: 7672.0
	Kenosha, WI 53144	
	Airframe log entry	LANDINGS: 6196

1. INSTALLED NEW FLAP ACTUATOR MOTOR, P/N: 100-384040 S/N: 8799, IAW KING AIR B200 M/M 27-50-03. OPS CHECK GOOD
P/N: 100-384040 S/N: 8397 REMOVED.
2. TIGHTENED ENVIRONMENTAL CONTROL KNOB AS REQUIRED.

THE ABOVE DESCRIBED MAINTENANCE HAS BEEN INSPECTED AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE MAINTENANCE PERFORMED.
PERTINENT DETAILS ARE ON FILE AT THIS AGENCY UNDER WORK ORDER M-17-112.

Signature: _____

CRS#1S3R356M

August 27, 2017
ACTT: 7676.2 Hrs

ATS Illinois, Inc.
Airframe Logbook Entry
N198DM
HM: 676.2 Hrs.

Beechcraft B-200
S/N: BB-1198

- 1) Removed L/H engine PT6A-42 S/N:PC-E 93774 and R/H engine PT6A-42 S/N:PC-E 93773 from aircraft for "outside service" repair by Turbine Standards, Inc. for compressor damage.

Mark L. McKinney

A&P _____

September 26, 2017
ACTT: 7676.2 Hrs

ATS Illinois, Inc.
Airframe Logbook Entry
N198DM
HM: 676.2 Hrs.

Beechcraft B-200
S/N: BB-1198

- 1) Re-installed L/H engine PT6A-42 S/N:PC-E 93774 and R/H engine PT6A-42 S/N:PC-E 93773 onto aircraft after "outside service" repair by Turbine Standards, Inc. for compressor damage.

Mark L. McKinney

A&P _____

YEAR	AD	TOTAL
20	NUMBER	TIME IN
		SERVICE

northStar
Aircraft Maintenance

Northstar Aircraft

Date: 5/29/2018; Aircraft: N198DM; Ty
Shop Order #: HII-18-1994
AFTT: 7,752.0 LANDINGS: 6,235

This is a permanent part of the Aircraft
accomplished.

1. Complied with 24 Month FAR 91.4
2. Complied with 24 Month FAR 91.4
3. Complied with FAR 91.207(d) Re
- MM. Next due for replacement MAY
4. Found AD 2017-18-12 to be N/A
5. Found AD 2017-16-01 to be N/A
6. Found AD 2017-04-06 to be N/A
7. Found AD 2015-08-07 paragrap
8. Found AD 2015-08-07 paragrap
9. Complied with AD 2004-23-02 t
- AFTT: 7952.0.
10. Complied with AD 1989-19-04
- skin. No defects noted. Next due
11. All AD's complied with and ve
12. Complied with SB 27-3459 R

9-2017
7-112
7672.0

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YEAR	AD NUMBER	TOTAL TIME IN SERVICE	Airworthiness Directives Chronological Listing and Method of Compliance
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Northstar Aircraft Maintenance

Lake Havasu City, AZ 86404

Date: 5/29/2018; Aircraft: N198DM; Type: 200; S/N: BB1198; Hobbs: 752.0; Total Time: 7752.0
Shop Order #: HII-18-1994
AFTT: 7,752.0 LANDINGS: 6,235

This is a permanent part of the Aircraft Records. The following inspections, repairs or component part replacements were accomplished.

1. Complied with 24 Month FAR 91.409 (f)(3) Phase 3 Inspection IAW KA 200 AMM chapter 5-20-03 Inspection Program.
2. Complied with 24 Month FAR 91.409 (f)(3) Phase 4 Inspection IAW KA 200 AMM Chapter 5-20-04 Inspection Program.
3. Complied with FAR 91.207(d) Replacement of Emergency Locator Transmitter. Installed new ELT batteries IAW Beech B200 MM. Next due for replacement MAY 2021.
4. Found AD 2017-18-12 to be N/A due to P/N not installed.
5. Found AD 2017-16-01 to be N/A due to P/N installed.
6. Found AD 2017-04-06 to be N/A due to P/N S/N installed.
7. Found AD 2015-08-07 paragraph(G) to be N/A due to date range of P/N installation.
8. Found AD 2015-08-07 paragraph(H) to be N/A due to P/N not being in affected range for replacement.
9. Complied with AD 2004-23-02 to detect and correct cracks in the nose landing gear fork. No defects noted. Next due at AFTT: 7952.0.
10. Complied with AD 1989-19-04 R01 18 Month/ 600 HR inspection of the wing center section upper surface bonded panel skin. No defects noted. Next due December 2019 or AFTT: 8350.0.
11. All AD's complied with and verified through Bi-Weekly 2018-11.
12. Complied with SB 27-3459 R2 flight control gust lock inspection/replacement. No defects noted.

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TOTAL
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Airworthiness Directives

Chronological Listing and Method of Compliance



Northstar Aircraft Maintenance

Lake Havasu City, AZ 86404

13. Complied with SB 57-2867 R2 aileron drain hole inspection. No defects noted.
14. Complied with SB 32-2102 R07 inspection/replacement of nose gear lower shock absorber assembly. No defects noted. Next due at AFTT: 7592.0.
15. Complied with 12 Month lead acid battery cap check IAW Concorde CMM, Chapter 24-30-71.
16. Complied with 12 Month Cabin and Cockpit Fire Bottle Weight and Pressure Check IAW Beech B200 MM, Chapter 26-32-15.
17. Complied with 12 Month Oxygen Barometric Pressure Switch check IAW KA 200 MM, Chapter 35-06-07 Method 2 Compliance.
18. Complied with 12 Month L/H and R/H Wing Spar Cap Inspection IAW KA SIRM Chapter 57-17-01.
19. Complied with 12 Month Inconel Wing Bolt, Cleaning, Visual and Lube IAW KA MM Chapter 12-20-53.
20. Complied with 12 Month Cabin Altitude Warning Pressure Switch Check IAW Beech B200 MM, Chapter 21-00-00 Method 2 Compliance.
21. Complied with 12 Month L/H and R/H Raisbeck Ram Air Recovery System Inspection IAW Raisbeck MM, Document 85-120.
22. Complied with 12 Month Pilot Fuel and Subpanel Inspection IAW Beech B200 MM, Chapter 33-10-01.
23. Complied with 12 Month Self Illuminating Emergency Sign Inspection IAW Beech B200 MM, Chapter 33-50-02.
24. Complied with 12 Month Horizontal and Vertical Stabilizer Inspection IAW Beech B200 SIRM, Chapter 55-00-10.
25. Complied with 12 Month Inspection of the Nacelle Splice Plates IAW Beech B200 SIRM, Chapter 57-16-03.
26. Complied with 12 Month visual Inspection of the Control Lock IAW Beech B200 MM, Chapter 20-14-00.
27. Complied with 18 Month Inspection of the Wing Center Section Upper Surface Bonded Panel Skin IAW Beech B200 MM, Chapter 51-10-01.
28. Complied with 24 Month Lubrication of Downlock Hooks and Pin contact areas IAW Beech B200 MM, Chapter 12-20-60.

YEAR
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AD
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TOTAL
TIME IN



Northstar Aircraft Maintenance

29. Complied with 48 Month Passenger Cabin Inspection IAW Beech B200 MM, Chapter 35-00-00.
30. Complied with 48 Month Cabin Fire Extinguisher Inspection IAW Beech B200 MM, Chapter 35-00-00.
31. Complied with 200 HR Airframe Inspection IAW Beech B200 MM, Chapter 35-00-00.
32. Complied with 5000 HR Inspection IAW Beech B200 MM, Chapter 35-00-00.
33. Complied with 2500 Cyl Visual Inspection IAW Beech B200 MM, Chapter 35-00-00.
34. Complied with 2500 Cyl Visual Inspection IAW Beech B200 MM, Chapter 35-00-00.
35. Complied with 2500 Cyl Visual Inspection IAW Beech B200 MM, Chapter 35-00-00.
36. Complied with 2500 Cyl Visual Inspection IAW Beech B200 MM, Chapter 35-00-00.
37. Complied with 8000 Cyl Visual Inspection IAW Beech B200 MM, Chapter 35-00-00.
38. Complied with 8000 Cyl Visual Inspection IAW Beech B200 MM, Chapter 35-00-00.

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AD
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TOTAL
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Airworthiness Directives

Chronological Listing and Method of Compliance



Northstar Aircraft Maintenance

Lake Havasu City, AZ 86404

29. Complied with 48 Month Passenger Oxygen Shutoff Valve Packing replacement installed new seal kit P/N 4460102-1 IAW Beech B200 MM, Chapter 35-00-00.
30. Complied with 48 Month Check Condition of Edgelighted Panels IAW Beech B200 MM, Chapter 33-06-15.
31. Complied with 200 HR Air Frame Lubrication IAW Beech B200 MM, Chapter 12-20-53.
32. Complied with 5000 HR Inspection of the Elevator BOB Weight Link assembly IAW Beech B200 MM, Chapter 05-20-05-601-70.
33. Complied with 2500 Cyl Visual Inspection of the Environmental Ducting IAW Beech B200 MM, Chapter 05-20-05-601-72.
34. Complied with 2500 Cyl Visual Inspection of the Electrical Wiring IAW Beech B200 MM, Chapter 05-20-05-601-72.
35. Complied with 2500 Cyl Visual Inspection of the Plumbing IAW Beech B200 MM, Chapter 05-20-05-601-72.
36. Complied with 2500 Cyl Visual Inspection of the Oxygen System components and plumbing for damage and security of the attachment IAW Beech B200 MM, Chapter 05-20-05-601-72.
37. Complied with 8000Cyl/72Month L/H MLG Inspection. Removed L/H top brace assembly P/N 101-810033-7, upper and lower torque knees P/N 101-810032, piston and axle assembly P/N 101-810045-601 and upper piston bearing P/N 50-810326. Magnetic Particle and Fluorescent Dye Penetrant performed by CRS# H13D554L under WO: AC18-0696 and reinstalled L/H top brace assembly P/N 101-810033-7, upper and lower torque knees P/N 101-810032, piston and axle assembly P/N 101-810045-601 and upper piston bearing P/N 50-810326 IAW Beech B200 MM, Chapter 32-11-00. No defects noted.
38. Complied with 8000Cyl/72Month R/H MLG Inspection. Removed R/H top brace assembly P/N 101-810033-7, upper and lower torque knees P/N 101-810032, piston and axle assembly P/N 101-810045-601 and upper piston bearing P/N 50-810326. Magnetic Particle and Fluorescent Dye Penetrant performed by CRS# H13D554L under WO: AC18-0696 and reinstalled R/H top brace assembly P/N 101-810033-7, upper and lower torque knees P/N 101-810032, piston and axle assembly P/N 101-810045-601 and upper piston bearing P/N 50-810326 IAW Beech B200 MM, Chapter 32-11-00. No defects noted.

YEAR
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TOTAL
TIME IN

Manufacturers' Mandatory Service Bulletins



Northstar Aircraft Maintenance
Lake Havasu City, AZ 86404

39. Complied with 8000Cyl/72Month Nose gear Inspection. Removed shimmy damper P/N 50-820004-3 and resealed. Resealed all struts and serviced with nitrogen IAW Beech B200 MM, Chapter 32-20-00. Ops check normal.
40. Complied with 8000Cyl/72Month L/H and R/H MLG and Nose Gear trunnion bolt holes and drag brace attach holes inspection IAW Beech B200 MM, Chapter 5-20-05-601-64.
41. Complied with 10 YR landing gear actuator hydraulic hoses replacement. Installed new landing gear actuator hydraulic hoses P/N 101-388015-1 2 each, 101-388016-1, 101-388016-3, 101-388016-5 2 each, 171K005-6CR0160 2 each, and 101-388016-9 IAW Beech B200, Chapter 32-00-00.
42. Removed L/H MLG inboard brake assembly P/N 30-162 S/N 2142 and outboard assembly P/N 30-162 S/N 2147. Installed overhauled inboard brake assembly P/N 30-162 S/N 1105 and outboard assembly P/N 30-162 S/N 1986 IAW Beech B200 MM, Chapter 32-40-00. Bled brakes. Ops check good.
43. Removed R/H MLG inboard brake assembly P/N 30-162 S/N 2148 and outboard assembly P/N 30-162 S/N 2151. Installed overhauled inboard brake assembly P/N 30-162 S/N 1171 and outboard assembly P/N 30-162 S/N 1183 IAW Beech B200 MM, Chapter 32-40-00. Bled brakes. Ops check good.
44. Installed new nose shimmy damper piston rod P/N GMD50-820020 IAW Beech B200 CMM, Chapter 32-20-00. Ops check good.
45. Installed 4 new EL panel lamps P/N WL6838 IAW Beech B200 MM.
46. Installed 7 new EL panel back lighting lamps P/N WL6838 IAW Beech B200 MM.
47. Performed prop sync resistance check and found harness reads within specified range. Removed and replaced prop sync control box P/N 213765 S/N 2121235 and installed OH box P/N 213765 S/N 2001818 IAW Beech B200 MM, Chapter 61-22-00. All checks good.
48. Removed R/H inboard tire P/N 265F86-8 S/N 30982352. Installed new tire P/N 265F86-8 S/N 80962110 and o-ring P/N MS28775-267 IAW Beech B200 MM, Chapter 32-40-00. Leak check good.

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TIME IN
SERVICE

Equipment A

Item Manu



Northstar Aircraft Maintenance
Lake Havasu City, AZ 86404

49. Installed new L/H nav lamp P/N 11-0
50. Installed new rudder boost filter P/N
51. Installed new L/H MLG safety switch check good.
52. Adjusted forward L/H aft facing cab
53. Removed R/H Flow Control Unit EL Control Unit Electric Controller P/N 10 Control Valve inop. Removed R/H Flow Control Valve P/N 101-380025-21 S/N 7AB19

I certify that this Aircraft was inspected by
Air 200 Series Phased Inspection Program

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YEAR
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DATE

TOTAL
TIME IN
SERVICE

Equipment Addition, Removal or Exchange

Item Manufacturer's Name Model Serial Number



Northstar Aircraft Maintenance

Lake Havasu City, AZ 86404

49. Installed new L/H nav lamp P/N 11-01955 IAW Beech B200 MM. Ops check good.
50. Installed new rudder boost filter P/N 101-524009-0163 IAW Beech B200 MM. Chapter 27-11-76.
51. Installed new L/H MLG safety switch P/N 444EN49-6 and adjusted IAW Beech B200 MM, Chapter 32-60-15-501. Ops check good.
52. Adjusted forward L/H aft facing cabin seat inboard armrest and lubricated IAW Beech B200 MM 25-00-00. Ops check good.
53. Removed R/H Flow Control Unit Electric Controller P/N 101-380025-11 S/N UNKN and installed on L/H. Removed L/H Flow Control Unit Electric Controller P/N 101-380025-11 S/N 1H-5AF50 and installed on R/H for trouble shooting. Found R/H Flow Control Valve inop. Removed R/H Flow Control Valve P/N 101-380025-21 S/N 5AK48 and installed overhauled Flow Control Valve P/N 101-380025-21 S/N 7AB193M IAW Beech B200 MM, Chapter 21-01-00. Ops check good.

I certify that this Aircraft was inspected in accordance with an FAR 91.409(f)(3) Phase 3 and 4 Inspections per Beechcraft King Air 200 Series Phased Inspection Program and was determined to be in an Airworthy Condition.

Rod Carrier

- ☐ Addition of Required—Exchanged for Optional
- ☐ Removal of Required—Exchanged for Optional

- ☐ Addition of Optional Equipment
- ☐ Removal of Optional Equipment
- ☐ Addition of Required—Exchanged for Optional
- ☐ Removal of Required—Exchanged for Optional

YEAR
20
DAY

TOTAL
TIME IN

Equipment Addition, Removal or Exchange



Northstar Aircraft Maintenance

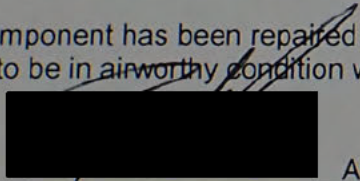
Lake Havasu City, AZ 86404

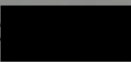
Date: 5/30/2018; Aircraft: N198DM; Type: 200; S/N: BB1198; Hobbs: 754.0; Total Time: 7754.0
AFTT: 7,754.0 LANDINGS: 6239

This is a permanent part of the Aircraft Records. The following inspections, repairs or component part replacements were accomplished.

1. Installed new R/H MLG safety switch P/N 444EN49-6 and adjusted IAW Beech B200 MM, Chapter 32-60-00. Ops check good.

I certify this aircraft / component has been repaired and/or inspected in accordance with applicable Federal Aviation Regulations and found to be in airworthy condition with respect to the work performed.


Rod Carrier

AP 

- ☐ Removal of Optional Equipment
- ☐ Addition of Required—Exchanged for Optional
- ☐ Removal of Required—Exchanged for Optional

- ☐ Addition of Optional Equipment
- ☐ Removal of Optional Equipment
- ☐ Addition of Required—Exchanged for Optional
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- ☐ Addition of Optional Equipment
- ☐ Removal of Optional Equipment
- ☐ Addition of Required—Exchanged for Optional
- ☐ Removal of Required—Exchanged for Optional

Date: 5/28/2020; Aircraft: N198DM; Type: 200; S/N: BB1198; Hobbs: 993.7; Total Time: 7993.7
Shop Order #: HII-20-2647
AFTT: 7,993.7 LANDINGS: 6,344

This is a permanent part of the Aircraft Records. The following inspections, repairs or component part replacements were accomplished.

1. Complied with 24 Month FAR 91.409 (f)(3) Phase 3 Inspection IAW Beech B200 MM chapter 5-20-03 Inspection Program.
2. Complied with 24 Month FAR 91.409 (f)(3) Phase 4 Inspection IAW Beech B200 MM Chapter 5-20-04 Inspection Program.
3. Complied with 12 Month FAR 91.207(d) Emergency Locator Transmitter tests.
4. Complied with AD 2019-12-09 Navigation-FDSA-6500 TCAS AFM or AFMS Limitation Section Revision/Placard. Found AD to be N/A due to P/N not installed. No further action required.
5. Complied with AD 2004-23-02 200 HR Nose Landing Gear Fork inspection for cracks. Next inspection due AFTT: 8,193.7.
6. Complied with AD 89-19-04 R1 18Month/600HR Center section bonded panel skins inspection. Next inspection due December 2021 or AFTT: 8593.7.
7. All AD's complied with and verified through Bi-Weekly 2020-11.
8. Complied with SB 27-3459 R02 12 Month Flight Controls Gust Lock inspection. Next inspection due June 2021.
9. Complied with SB 32-2102 R07 200 HR Nose Gear Lower Shock Absorber Assembly inspection. Next inspection due AFTT: 8,193.7.
10. Complied with 12 Month Main Ship Lead Acid Battery capacity check IAW Beech B200 MM, Chapter 5-20-05.
11. Complied with 12 Month Cabin/Cockpit Fire Bottle Weight and Pressure Check IAW Beech B200 MM, Chapter 26-32-15.
12. Complied with 12 Month Oxygen Barometric Pressure Switch check IAW Beech B200 MM, Chapter 35-06-07.
13. Complied with 12 Month L/H and R/H Wing Spar Cap inspection IAW Beech B200 SIRM, Chapter 57-13-00.
14. Complied with 12 Month Inconel Wing Bolt, Cleaning, Visual and Lube IAW Beech B200 MM, Chapter 12-20-53.
15. Complied with 12 Month Cabin Altitude Warning Pressure Switch check IAW Beech B200 MM, Chapter 21-00-00.
16. Complied with 12 Month Pilot Fuel and Subpanel Inspection IAW Beech B200 MM, Chapter 33-10-01.
17. Complied with 12 Month Self Illuminating Emergency Sign Inspection IAW Beech B200 MM, Chapter 33-50-02.
18. Complied with 12 Month Horizontal and Vertical Stabilizer Inspection IAW Beech B200 SIRM, Chapter 55-00-10.
19. Complied with 12 Month Inspection of the Nacelle Splice Plates IAW Beech B200 SIRM, Chapter 57-16-03.
20. Complied with 12 Month visual Inspection of the Control Lock IAW Beech B200 MM, Chapter 20-14-00.
21. Complied with 24 Month Lubrication of Downlock Hooks and Pin contact areas IAW Beech B200 MM, Chapter 12-20-60.
22. Complied with 60 Month L/H and R/H Brakes Flammable Fluid Carrying Hoses replacement IAW Beech B200 MM, Chapter 5-20-05.
23. Complied with 50 HR Air Conditioner Compressor Belt tension adjustment IAW Beech B200 MM, Chapter 21-50-09.
24. Complied with 200 HR Continuous Corrosion Control inspection IAW Beech B200 MM, Chapter 5-29-00.
25. Complied with 200 HR Rudder Boost Filter replacement IAW Beech B200 MM, Chapter 27-21-01.
26. Complied with 200, 400 and 800 HR Airframe lubrication IAW Beech B200 MM, Chapter 12-20-00.
27. Complied with 2,500 Cyl Cockpit and Cabin Fuselage Visual Skin and Structure inspection IAW Beech B200 MM, Chapter 5-20-05.
28. Complied with 8000 HR R/H Engine Flow Control Divider overhaul. Removed flow control divider P/N CPW 3035228 S/N 0037 and installed overhauled flow control divider P/N 3035228 S/N 1009 IAW PT6A-42 EMM, Chapter 73-10-04.
29. Removed L/H bleed air pressure switch P/N 90-380002-3 S/N 24875 and installed bleed air pressure switch P/N 90-380002-3 S/N 12043 IAW Beech B200 MM.
30. Installed new co-pilots glareshield lamp P/N 1864 IAW Beech B200 MM.
31. Installed 2 new rudder static wicks P/N 16305 IAW Beech B200 MM.
32. Installed new R/H wing static wick P/N 16305 IAW Beech B200 MM.
33. Installed new L/H aux fuel filler cap lanyard P/N MS27380-3 IAW Beech B200 MM.
34. Installed new ELT batteries P/N 1300 IAW Beech B200 MM. Batteries next due for replacement May 2029.
35. Removed nose landing gear tire P/N 265F86-8 S/N 12322209. Installed new tire P/N 265F86-8 S/N 91562272 and new seal P/N MS28775-267 IAW Beech B200 MM, Chapter 32-40-00.
36. Installed new L/H MLG bumper block P/N 101-980041-29 IAW Beech B200 MM.
37. Installed new R/H wing inboard fuel quantity probe feedback module P/N M81714/2BC1 IAW Beech B200 MM.

I certify that this Aircraft was inspected in accordance with an FAR 91.409(f)(3) Phase 3 and 4 Inspections per Beechcraft King Air 200 Series Phased Inspection Program and was determined to be in an Airworthy Condition.

AP [REDACTED]
Justin Shields