

# Hawker Beechcraft Corporation

WO# 463882  
Reg# N365JC  
Hobbs: 2102.5  
ATT: 2102.5

Date: 5/15/2020  
Aircraft SN: LJ-2057  
ATC: 2852



Elliott Aviation of Minneapolis, LLC  
Flying Cloud Airport  
13801 Pioneer Trail  
Eden Prairie, MN 55347-2617

## Airframe Log Entry

### Modification & Refurbishment

- \* Performed Pro Line 21 Modernization upgrade- ADS-B Out, and Synthetic Vision using BHE & Associates STC SA1134SC. A satisfactory ground test of the ADS-B Out system was completed using Aeroflex IFR-6000 equipment testing for proper configuration and equipment performance requirements. The Installed ADS-B Out system has been shown to meet the equipment requirements of 14CFR 91.227. The Transponders installed were tested as required by 14CFR91.413 and found to comply with 14CFR43 appendix E, paragraph (c), and 14CFR part 43 appendix F. Installed feed through p/n NMCS45A13 in forward pressure bulkhead lower right side, fabricated and installed VIU mount, and switch mount from .063 2024T3 material on avionics right upper shelf at sta. 62 referencing BHE & Associates drawing 544-00-0006 rev. E. Installed New SVC-3000 Video Interface Unit p/n 866-0232-060, s/n 480T15 on upper right avionics shelf at sta.62. Installed New SVC-3000 Synthetic Vision Computer p/n 866-0232-010, s/n 480T22 and rack p/n 866-0232-055 s/n 480RX7 on right avionics lower shelf at sta. 62 referencing BHE & Associates drawing 544-00-0006 rev.E.  
Removed AFD-3010 Adaptive Flight Display p/n 822-1084-362 s/n 4HXN5 from pilots position. Installed Overhauled AFD-3010E Adaptive Flight Display p/n 822-1753-449 s/n 46H0T in pilots position. See FAA form 8130-3 dated 1/24/2020 from Rockwell Collins, W.O 3238461.  
Removed AFD-3010 Adaptive Flight Display p/n 822-1753-362 s/n 4HXP1 from MFD position. Installed Overhauled AFD-3010E Adaptive Flight Display p/n 822-1753-449, s/n 4HXMN in MFD position. See FAA form 8130-3 dated 1/31/2020 from Rockwell Collins, WO. 3262053.  
Removed AFD-3010 Adaptive Flight Display p/n 822-1084-362, s/n 4HXNT from co-pilots position. Installed Overhauled AFD-3010 Adaptive Flight Display p/n 822-1753-449, s/n 46J8D in co-pilots location. See FAA form 8130-3 dated 3/16/2020 from Rockwell Collins, WO.3274187.  
Removed TDR-94 Transponders p/n 622-9210-008 s/n's 4BW3C, and 4BW3F. Installed Overhauled TDR-94 Transponder p/n 622-9210-501, s/n 3FVPY in number 1 position. See FAA form 8130-3 dated 1/10/2020 from Rockwell Collins WO. 3248720 and installed Overhauled TDR-94 Transponder p/n 622-9210-501, s/n 3V37K in number 2 position See FAA form 8130-3 dated 1/16/2020 from Rockwell Collins WO. 3219819. Removed FMC-3000 flight management computer p/n 822-0883-053, s/n 46X9V. Installed Overhauled FMC-3000 flight management computer p/n 822-0883-082 s/n 3N4PM. See FAA form 8130-3 dated 9/19/2019 from Rockwell Collins WO.3173091  
Removed IOC3100 input/ output concentrators p/n 822-1361-614, s/n's 4LBLB, and 4LB9T. Installed New IOC-4110 input/ output concentrators p/n 822-2065-101, s/n's 4GN84P, and 4GN8TN.  
Installed New circuit breaker p/n 7277-2-3 in right circuit breaker panel connected to left generator bus labeled SVC.  
Installed New circuit breaker p/n 7277-2-3 in right circuit breaker panel connected to left generator bus labeled VIU.  
Installed Repaired RH Circuit Breaker overlay p/n 90-384270-0003 S/N 034 See FAA form 8130-3 dated 5/11/2020 from Capital Air Dial , WO.205653  
  
The electrical interface of the Rockwell Collins ADS-B Transponders was completed using BHE & Associates drawings 544-00-0003 rev. B, -0030 rev.E, -0033 rev.C, and -0034 rev F.  
Installed IOT-4110 software tables p/n 810-0053-625 and BHE & Associates IOC configuration data p/n 544-00-0032-001 into #1, and #2 Input Output Concentrators. Verified FSA-5000 software p/n 810-0001-109 installed into File Server Unit. Installed MDT-3110 software p/n 810-0042-015 into Maintenance Diagnostic Computer. Configured CSU-3100 Configuration Strapping Units using BHE & Associate drawing 544-00-0031 rev.E. Verified IOC-4110 configuration settings using BHE & Associate Report No. 544-00-0032 rev.D.  
Complied with EMC test using BHE & Associate Report No. 544-00-0050 rev.A. Complied with functional check out procedure referencing BHE & Associate Report No. 544-00-0072 rev.E.  
Entered FAA approved Airplane Flight Manual Supplement 544-00-0055 revision C into Airplane Flight Manual.  
  
Performed Data Base Unit upgrade per Rockwell Collins STC SA01430WI-D referencing Rockwell Collins DBU-5010E Installation Instructions Document RCA-2394 rev.D. This installation is a model number change only with no changes to existing DBU-5000/5010E ICA . Removed DBU5000 p/n 822-2215-201, s/n 4KCC8. Installed New DBU-5010E p/n 822-3000-201, s/n 4H1LXX referencing Rockwell Collins DBU-5010E Installation Instructions document RCA-2394 rev. D.  
  
Performed modification of Rockwell Collins GPS installation using Rockwell Collins STC SA01434WI-D with Drawing index RCA-0124-110 rev.K .Removed GPS-4000S p/n 822-2189-002, s/n 4BR6B. Installed modified GPS-4000S p/n 822-2189-004 s/n 4BR6B. See FAA form 8130-3 dated 5/12/2020 from Rockwell Collins WO. 205650. Updated equipment list and installed AFMS supplement ACC-07-009 Rev. B. in Airplane Flight manual.  
  
Performed Pro-Line 21 FMS 3000-LPV upgrade per BHE & Associates STC SA10966SC with BHE & Associates Master Data list 335-00-0001 Rev G. Performed GPS configuration strap upgrade referencing drawing 335-00-0003 rev. A.  
Removed TAWS TW-950 p/n 9000000-85006 s/n TWE 00832 and installed an overhauled TW-950 p/n 9000000-85010 s/n TWE01176 see FAA form 8130 dated 4/27/2020 from ACSS Repair and Overhaul, W.O CQ-84515.  
Installed ACSS TAWS update p/n 9100008-03207F.  
Performed ground test procedure BHE Doc 324-00-0011 rev. A.  
Installed AFMS 335-00-0014 Rev. B. in flight manual. No change to weight and balance or equipment list.  
Instructions for Continued Airworthiness report No. 335-00-0015 rev. C provided in aircraft records.  
Weight and balance and equipment list updated in Airplane Flight Manual for all modifications as required.
- Maintenance Action**
- \* Performed compass calibration procedure for the secondary flight display Mark 2 in reference to Meggitt service information letter No. 47 issue 1.
- \* Replaced LH Main tire with new P/N 850T06-3 S/N 73332270 in reference to Cleveland Maintenance Manual 30-144 and King Air 90 Maintenance Manual 32-40-13.

I certify this Airframe is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 463882.

Signed

Jeff Solberg

for Elliott Aviation of Minneapolis, LLC  
CRS# KX5R005N