



US Department  
of Transportation  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

Form Approved  
OMB No. 2120-0020  
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

|             |                                                                       |                                                                      |                       |
|-------------|-----------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------|
| 1. Aircraft | Nationality and Registration Mark<br><b>N19MT</b>                     | Serial No.<br><b>E-798</b>                                           |                       |
|             | Make<br><b>BEECH</b>                                                  | Model<br><b>A36</b>                                                  | Series                |
| 2. Owner    | Name (As shown on registration certificate)<br><b>DAVIATION, INC.</b> | Address (As shown on registration certificate)<br>Address [REDACTED] |                       |
|             |                                                                       | City<br><b>Willoughby</b>                                            | State<br><b>Ohio</b>  |
|             |                                                                       | Zip<br>[REDACTED]                                                    | Country<br><b>USA</b> |

**3. For FAA Use Only**

| 4. Type                  |                                     | 5. Unit Identification |                                                  |                                |                 |
|--------------------------|-------------------------------------|------------------------|--------------------------------------------------|--------------------------------|-----------------|
| Repair                   | Alteration                          | Unit                   | Make                                             | Model                          | Serial No.      |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME               |                                                  | (As described in Item 1 above) |                 |
| <input type="checkbox"/> | <input type="checkbox"/>            | POWERPLANT             | <b>TELEDYNE CONTINENTAL</b>                      | <b>IO-550-AcB</b>              | <b>281783-K</b> |
| <input type="checkbox"/> | <input type="checkbox"/>            | PROPELLER              | <b>HARTZELL</b>                                  | <b>PHC-C3YF-1RF/F8068</b>      | <b>QG15B</b>    |
| <input type="checkbox"/> | <input type="checkbox"/>            | APPLIANCE              | Type<br>[REDACTED]<br>Manufacturer<br>[REDACTED] |                                |                 |

**6. Conformity Statement**

|                                |                                                                                                                        |                                                              |                           |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------|
| A. Agency's Name and Address   |                                                                                                                        | B. Kind of Agency                                            |                           |
| Name<br><b>Jonathan Miller</b> | Address<br>[REDACTED]<br>City<br><b>Lakeline</b><br>State<br><b>Ohio</b><br>Zip<br>[REDACTED]<br>Country<br><b>USA</b> | <input checked="" type="checkbox"/> U. S. Certified Mechanic | Manufacturer              |
|                                |                                                                                                                        | <input type="checkbox"/> Foreign Certified Mechanic          | C. Certificate No.        |
|                                |                                                                                                                        | <input type="checkbox"/> Certified Repair Station            |                           |
|                                |                                                                                                                        | <input type="checkbox"/> Certified Maintenance Organization  | <b>A&amp;P</b> [REDACTED] |

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

|                                                                        |                                                             |
|------------------------------------------------------------------------|-------------------------------------------------------------|
| Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/> | Signature<br><b>Jonathan Miller</b><br><b>Jan. 20, 2011</b> |
|------------------------------------------------------------------------|-------------------------------------------------------------|

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

|    |                              |                |                                                              |                                                      |
|----|------------------------------|----------------|--------------------------------------------------------------|------------------------------------------------------|
| BY | FAA Fit. Standards Inspector | Manufacturer   | Maintenance Organization                                     | Persons Approved by Canadian Department of Transport |
|    | FAA Designee                 | Repair Station | <input checked="" type="checkbox"/> Inspection Authorization |                                                      |

|                                              |                                                             |
|----------------------------------------------|-------------------------------------------------------------|
| Certificate or Designation No.<br>[REDACTED] | Signature<br><b>Jonathan Miller</b><br><b>Jan. 20, 2011</b> |
|----------------------------------------------|-------------------------------------------------------------|

# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## 8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

USA N19MT

Nationality and Registration Mark

Jan 20, 2011

Date

Removed Teledyne Continental Engine Model IO-520-BA, S/N 814279-R and McCauley Propeller Model #3A32C76-M/582NB-2, S/N 851836 from Beech Model A36, S/N E-798, Reg. N19MT. Installed Teledyne Continental Engine Model IO-550-AcB, S/N 281783-R and Hartzell Propeller Model PHC-C3YF-1RF/F8068, S/N QG-15B in accordance with Supplemental Type Certificate #SA01668CH and Supplemental Type Certificate #SA2200SW. Installation of T.C.M. engine IO-550-AcB and Hartzell Propeller PHC-C3YF-1RF/F8068 done in accordance with D'Shannon Products, Inc. Kit #D2281, STC #SA01668CH, STC #SA2200SW. Hartzell Propeller Owners Manual No. 115N Rev. 16, and Beechcraft Bonanza 36 Series Shop Manual P/N 36-590001-3B. Engine and Propeller Installation done with D'Shannon Products, Inc. Kit #D2281. T.C.M. engine and Hartzell Propeller alteration approved under Supplemental Type Certificate #SA01668CH and #SA2200SW.

Removed Manifold Pressure/Fuel Flow Model P/N 1U028-205-7, S/N 2782 and sent to Pressure Technologies and Avionics C.R.S. #PGWR692K for overhaul and calibration in accordance with D'Shannon Products, Inc. Kit #D2281. Installed Overhauled Manifold Pres./Fuel Flow P/N 1U028, S/N 2782 W.O. #12628 in accordance with S.T.C. #SA01668CH and SA2200SW. Instructions for Continued Airworthiness for T.C.M. engine and Hartzell Propeller are in T.C.M. Manuals, Hartzell Propeller Owners manual No. 115N, D'Shannon Products, LTD Kit #D2281, and Beechcraft Bonanza 36 series shop manual.

Installed Cooling Air Baffles Part #DW-200A-01/02, S/N 100909-01 in accordance with D'Shannon Products Installation Manual No. D&P-IM95-2 and Supplemental Type Certificate #SA368CH. D'Shannon Products, LTD Cooling Air Baffles P/N DW-200A-01/02 approved for installation in accordance with Supplemental Type Certificate #SA368CH.

Instructions for Continued Airworthiness Part Number DP-ICA-200 Rev. B dated May 14, 2010 for D'Shannon Products, LTD D-200 Engine Cooling Air Baffle Systems S.T.C. #SA368CH is in the Aircraft Maintenance Records.

Updated Aircraft Equipment List and Weight and Balance to reflect Engine and Propeller change in accordance with D'Shannon Products Kit #D2281 and S.T.C. #SA01668CH and S.T.C. #SA2200SW, and S.T.C. #SA368CH.

END

☐ Additional Sheets Are Attached



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|             |                                             |                                                |         |
|-------------|---------------------------------------------|------------------------------------------------|---------|
| 1. Aircraft | Nationality and Registration Mark           | Serial No.                                     |         |
|             | M19MT                                       | E-798                                          |         |
|             | Make                                        | Model                                          | Series  |
|             | BEECH                                       | A36                                            |         |
| 2. Owner    | Name (As shown on registration certificate) | Address (As shown on registration certificate) |         |
|             |                                             | Address                                        |         |
|             |                                             | City                                           | State   |
|             |                                             | Zip                                            | Country |
|             | DAVIATION, INC.                             | Willoughby                                     | Ohio    |
|             |                                             |                                                | USA     |

**3. For FAA Use Only**

| 4. Type                  |                                     | 5. Unit Identification |              |                                |            |
|--------------------------|-------------------------------------|------------------------|--------------|--------------------------------|------------|
| Repair                   | Alteration                          | Unit                   | Make         | Model                          | Serial No. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | AIRFRAME               |              | (As described in Item 1 above) |            |
| <input type="checkbox"/> | <input type="checkbox"/>            | POWERPLANT             |              |                                |            |
| <input type="checkbox"/> | <input type="checkbox"/>            | PROPELLER              |              |                                |            |
| <input type="checkbox"/> | <input type="checkbox"/>            | APPLIANCE              | Type         |                                |            |
|                          |                                     |                        | Manufacturer |                                |            |

**6. Conformity Statement**

|                              |                 |                                                                 |                    |
|------------------------------|-----------------|-----------------------------------------------------------------|--------------------|
| A. Agency's Name and Address |                 | B. Kind of Agency                                               |                    |
| Name                         | Jonathan Miller | <input checked="" type="checkbox"/> U. S. Certificated Mechanic | Manufacturer       |
| Address                      |                 | <input type="checkbox"/> Foreign Certificated Mechanic          | C. Certificate No. |
| City                         | Lakeline        | <input type="checkbox"/> Certificated Repair Station            |                    |
| Zip                          |                 | <input type="checkbox"/> Certificated Maintenance Organization  | A&P                |
|                              | Country USA     |                                                                 |                    |

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

|                                                                                                                                                                                                                                                                                 |                              |                                                      |                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------|--------------------------|
| Extended range fuel per 14 CFR Part 43 App. B                                                                                                                                                                                                                                   | <input type="checkbox"/>     | Signature/Date of Authorized Individual              |                          |
|                                                                                                                                                                                                                                                                                 |                              |                                                      | Dec 19, 2017             |
| Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected |                              |                                                      |                          |
| BY                                                                                                                                                                                                                                                                              | FAA Ftl. Standards Inspector | Manufacturer                                         | Maintenance Organization |
|                                                                                                                                                                                                                                                                                 | FAA Designee                 | Repair Station                                       | Inspection Authorization |
|                                                                                                                                                                                                                                                                                 |                              | Persons Approved by Canadian Department of Transport |                          |
|                                                                                                                                                                                                                                                                                 |                              | Other (Specify)                                      |                          |

|                                |                                         |
|--------------------------------|-----------------------------------------|
| Certificate or Designation No. | Signature/Date of Authorized Individual |
|                                | Dec 19, 2017                            |

# NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

## 8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

U.S. of A. N19MT

Dec. 19, 2012

Nationality and Registration Mark

Date

Installed D'Shannon Products LTD. Aileron and wing Flap Gap Seals Kit #D2281 on Beech Model A-36, S/N E-798, N19MT in accordance with Supplemental Type Certificate #SA1176S0 and D'Shannon Products Drawing B6300, Rev. F, dated 7/29/2009. D'Shannon Products Aileron and Wing Flap Gap Seals approved for aircraft under Supplemental Type Certificate #SA1176S0.

Instructions for Continued Airworthiness is supplied by D'Shannon Products, LTD. B6300 Aileron and Wing Flap Gap Seals Instructions for Continued Airworthiness P/N DP-ICA-6300 Rev. A dated September 11, 2009 that are in aircraft maintenance records.

Removed Beech Lower Cowling access panels on left and right sides. Installed D'Shannon Products Parts Numbers J1101-3 (left hand side) and J1101-4 (Right hand side) on Beech Model A-36, S/N E-798, N19MT in accordance with Supplemental Type Certificate #SA414CH and D'Shannon Products Installations Instructions Document No. DSP-IM95-3 Rev. 2 Beech lower cowling access panels approved for aircraft under Supplemental Type Certificate #SA414CH. Parts supplied under kit #D-2281.

With the installation of Continental IO-550B engine per STC #SA2200SW (refer to FAA form dated January 20th, 2011) and cooling Air Baffles per STC #SA368CH (refer to FAA form 337 dated January 20th, 2011) and D'Shannon Products, LTD 20-gallon fiberglass auxillary wing-tip fuel tanks DBL1400 Rev. B dated May 14th, 2009 per STC SA2722CH (refer to FAA form 337 dated February 8th, 2011), STC#SA02723CH and present installation of Lower Cowling access panels per STC SA414CH, and Aileron and Flap Gap Seals per STC #SA1176S0 this aircraft is approved for 4010 pounds gross weight normal category operation under Supplemental Type Certificate #SA02723CH.

Instructions for Continued Airworthiness Document No. DP-ICA-1400 for D'Shannon Products, 20 gallon Tip Tanks Installed on Hawker (Beechcraft) Model 36 STC SA02723CH is in the aircraft maintenance records.

4010 pounds gross weight normal category operation approved for aircraft under Supplemental Type Certificate #SA02723CH.

D'Shannon Products LTD. FAA approved Flight Manual Supplement Document #FMS-DP-36E is required and put in Aircraft Flight Manual. Parts supplied under Kit #D2313.

Updated Aircraft Equipment list and Weight and Balance to reflect alteration in accordance with D'Shannon Products Installation Manual KB-1401, and STC #SA02723CH.

END

☐ Additional Sheets Are Attached