FILTRATOR INSTALLATION KIT (KB-1014)

MODEL: BEECH 35-33, 35-A33,
35-B33, 35-C33,
H35, J35, K35,
M35, N35, P35

BERYL AVIATION SPECIALTIES
VAN NUYS, CALIF.
INSTALLATION INSTRUCTIONS

1. REMOVE EXISTING OIL/AIR SEPARATOR

2. POSITION BRACKET (ITEM 9) PER DIMENSIONS SHOWN IN FIGURE II

3. MATCH DRILL .25 DIA HOLES (3) THRU REAR BAFFLE ASSY TO MATCH HOLE PATTERN EXISTING ON BRACKET (ITEM 9)

4. INSTALL BRACKET (ITEM 9) TO BAFFLE ASSY WITH SCREWS, WASHERS AND NUTS (ITEMS 11, 12 AND 13)

5. SECURE FILTRATOR ASSY (ITEM 1) TO BRACKET (ITEM 9) WITH CLAMP (ITEM 10)
   CAUTION: DO NOT TORQUE OVER 5 TO 10 IN/LES

6. ATTACH EXISTING ENGINE OIL BREATHER HOSE TO TUBE ON FILTRATOR ASSY (ITEM 1) AS SHOWN IN FIGURE I WITH CLAMP (ITEM 5)

7. ATTACH HOSE (ITEM 4) TO VACUUM PUMP DISCHARGE FITTING USING CLAMPS (ITEMS 7) SEE FIGURE I
   CAUTION: SEE SPECIAL INSTALLATION FOR DRY VACUUM PUMP.

8. ATTACH HOSE (ITEM 3) TO OIL DRAIN LINE FITTING WITH CLAMPS (ITEM 6) SEE FIGURE I

9. ATTACH HOSE (ITEM 2) TO BREATHER OVERBOARD TUBE ON FILTRATOR ASSY (ITEM 1) WITH CLAMP (ITEM 8) SEE FIGURE I
   CAUTION: NEW HOSES AND EXISTING LINES MUST BE ROUTED SO THAT NO TRAPS WILL BE PRESENT.
   CAUTION: HOSE LINES SHALL BE LOCATED AT LEAST 4 INCHES FROM ANY HEAT SOURCE LIKELY TO CAUSE VAPORIZATION OF OIL.
   CAUTION: ON AIRCRAFT EQUIPPED WITH WING DEICER UTILIZING VACUUM PUMP DISCHARGE, PLUG ½” OUTLET TUBE ON FILTRATOR ASSY (ITEM 1) AS SHOWN IN SPECIAL INSTALLATION FOR DRY VACUUM PUMP
   CAUTION: ON AIRCRAFT EQUIPPED WITH AN ADDITIONAL AIR/OIL SEPARATOR ON CRANKCASE BREATHER LINE, THE FOLLOWING PROCEDURE MUST BE FOLLOWED:
   1. CUT LINE BETWEEN AIR/OIL SEPARATOR AND TEE IN VACUUM INLET LINE.
   2. PLUG TEE
   3. REMOVE EXISTING AIR/OIL SEPARATOR
# LIST OF MATERIAL

**KB-1014 KIT - FILTRATOR INSTALLATION**

<table>
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<tr>
<th>ITEM NO.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>NO. REQD.</th>
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<td>B-1114-5</td>
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<td>AN 970-3</td>
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Installation of engine crankcase breather and vacuum pump air-off separator for Master airplane list No. MEI-104.

PAA: Approved

PAA: Approved

8646 Hayvenhurst Ave
P.O. Box 9406
Van Nuys, California 91406

PAA Aviation Specialists
Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number 8A2653WE

This certificate, issued to ERYL AVIATION SPECIALTIES

certifies that the change in the type design for the following product with the limitations and conditions thereto, as specified herein, meets the airworthiness requirements of Part * of the Civil Air Regulations.

Original Product-Type Certificate Number: * See attached Master Eligibility List
Make: * Number MEL-1014 for list of approved
Model: * airplane models and applicable airworthiness regulations.

Description of Type Design Change: Installation of Eryl Aviation Specialties Engine Crankcase, Breather and Vacuum Pump Air-Oil Separator in accordance with the FAA sealed drawing listed on the enclosed Master Eligibility List Number MEL-1014.

Limitations and Conditions: The approval of this change should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: 27 December 1972 Date issued: 23 MAR 1973

By direction of the Administrator

Chief, Aircraft Engineering Division

Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.42.
1. **AIRCRAFT**
   - **MAKE**: Beech
   - **MODEL**: P35
   - **SERIAL NO.**: D6977
   - **NATIONALITY AND REGISTRATION MARK**: N1795G

2. **OWNER**
   - **NAME (As shown on registration certificate)**: Raymond B. Bottom, Jr.
   - **ADDRESS (As shown on registration certificate)**: P. O. Box 98
     Newport News, Va. 23607

3. **FOR FAA USE ONLY**

4. **UNIT IDENTIFICATION**

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5. **TYPE**

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6. **CONFORMITY STATEMENT**

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<th>A. AGENCY'S NAME AND ADDRESS</th>
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<th>C. CERTIFICATE NO.</th>
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<tr>
<td>Air Service Inc.</td>
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<td>Greensboro, N. C. 27410</td>
<td>X CERTIFICATED REPAIR STATION</td>
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 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.

**DATE**

10-17-73

**SIGNATURE OF AUTHORIZED INDIVIDUAL**

Homer L. Brendle, Inspector

7. **APPROVAL FOR RETURN TO SERVICE**

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Agency and is ☑ APPROVED ☐ REJECTED
8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Installed the following equipment:

Beryl Air/Oil separator Kit # KB-1014, STC SA 2653 WE.
Largo ELT Model 79007
Beech Alternator Kit # 33-3001N

The Beryl Air/Oil separator was installed I/A/W Beryl instructions.

The Largo ELT was mounted in aft fuselage at station 200, I/A/W AC43.13-2, chapter 2.

The antenna was mounted at 206 I/A/W AC43.13-2, chapter 3.

Installed switch and placard for ELT adjacent to radio panel.

The removal of generator and installation of alternator was performed I/A/W Beech drawing 33-3001 and Beech Maintenance Manual.

This installation meets all other applicable sections of AC43.13-1A and 43.13-2.

THE END