

33, 35, 36

No. 2518, Rev. I  
ATA Code 28-20

**SUBJECT:** FUEL - REPLACEMENT OF THE FUEL STRAINER SPRING AND HOUSING PLATE

**SYNOPSIS OF CHANGE:** Revised EFFECTIVITY to include additional serials; COMPLIANCE; modified illustration in ACCOMPLISHMENT INSTRUCTIONS to clarify strainer installation; corrected pipe thread sealant part number.

**REASON:** This Service Bulletin is being issued to replace the fuel strainer spring and housing plate with an improved housing plate. The new plate and spring come as one assembly and will prevent the strainer screen from being installed incorrectly. An incorrectly installed strainer screen may allow unfiltered fuel to enter the fuel system. Unfiltered fuel may contaminate the engine fuel system and cause engine power interruptions.

**EFFECTIVITY:** BEECHCRAFT Debonair/Bonanza 35-33, 35-A33, 35-B33, 35-C33, E-33 and G33, serials CD-1 through CD-1304;  
Bonanza 35-C33A, E33A, F33A, serials CE-1 through CE-1756;  
E33C, F33C, serials CJ-1 through CJ-179;  
C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, P35, S35, V35, V35TC, V35A, V35B, V35A-TC, V35B-TC, serials D-2901 through D-10403 and D-15002;  
36, A36, serials E-1 through E-2845;  
A36TC, B36TC, serials EA-1 through EA-556.

**COMPLIANCE:** Beech Aircraft Corporation considers this to be a mandatory modification and it should be accomplished as soon as possible after receipt of this Service Bulletin, but no later than the next scheduled 100 hour or annual inspection, whichever occurs first unless previously completed in accordance with the original issue of this Service Bulletin.

**APPROVAL:** Engineering data contained in this Service Bulletin is FAA Approved.

**MANPOWER:** The following information is for planning purposes only:  
Estimated man-hours: 1 hour.

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Beech Aircraft Corporation issues Service Information for the benefit of owners and fixed based operators in the form of two classes of Service Bulletins. The first class, Mandatory Service Bulletins (Red Border) includes changes, inspections and modifications that could affect safety or crashworthiness. Beech considers compliance with these Service Bulletins to be mandatory. Beech also issues a Service Bulletin having no border which is designated as either recommended or optional in the Compliance Section within the Bulletin. In the case of recommended Service Bulletins, Beech feels the changes, modifications, improvements or inspections will benefit the owner and although highly recommended, they are not considered mandatory at the time of issuance. In the case of optional Service Bulletins, compliance with the changes, modifications, improvements or inspections is at the owner/operator's discretion. Both classes are mailed to:

- (b) Owners of record on the FAA Aircraft Registration Branch List and the BEECHCRAFT International Owner Notification Service List.
  - (c) Those having a publications subscription.
- Information on Owner Notification Service or subscriptions can be obtained through any BEECHCRAFT Authorized Outlet. As Mandatory Service Bulletins and Service Bulletins are issued, temporary notification in the Service Bulletin Master Index should be made until the index is revised. Warranty will be allowed only when specifically defined in the Service Bulletin and in accordance with the Beech Aircraft Corporation Warranty Policy.

Unless otherwise designated, Beech Aircraft Corporation Mandatory Service Bulletins, Service Bulletins and BEECHCRAFT Kits are approved for installation on BEECHCRAFT airplanes in original or BEECHCRAFT modified configurations only. BEECHCRAFT Mandatory Service Bulletins, Service Bulletins and Kits may not be compatible with airplanes modified by STC installations or modifications other than BEECHCRAFT Approved kits.

- (a) BEECHCRAFT Authorized Outlets.



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Suggested number of men: 1 man.

The above is an estimate based on experienced, properly equipped personnel complying with this Service Bulletin. Occasionally, after work has started, conditions may be found which could result in additional man-hours.

### MATERIAL:

The following parts, required for this modification, may be ordered through a BEECHCRAFT Authorized Outlet.

Part Number	Description	Quantity Per Airplane
36-920058-1	Plate	1
35-921181	Gasket	1

### SPARES AFFECTED:

None.

### WARRANTY CREDIT:

Warranty credit for parts and labor to the extent noted under MATERIAL and MANPOWER will be allowed on all affected airplanes which are within warranty at the time this Service Bulletin is released.

Warranty coverage offered in this Service Bulletin will expire 12 months from the last day of the month this Service Bulletin is issued. After this date, the owner/operator assumes the responsibility for compliance and cost. Beech Aircraft Corporation reserves the right to void continued warranty coverage in the area affected by this Service Bulletin if this Service Bulletin is not complied with.

All warranty work must be accomplished by a BEECHCRAFT Service Center rated to perform maintenance on the specific model of BEECHCRAFT covered by this Service Bulletin.

All warranty reimbursements are handled through BEECHCRAFT Authorized Outlets. Owners and operators should arrange with these outlets to perform the work and have them submit the standard Beech Aircraft Corporation warranty claim form through a BEECHCRAFT Authorized Outlet.

### SPECIAL TOOLS:

None.

### WEIGHT AND BALANCE:

None.

### REFERENCES:

None.

### PUBLICATIONS AFFECTED:

None.

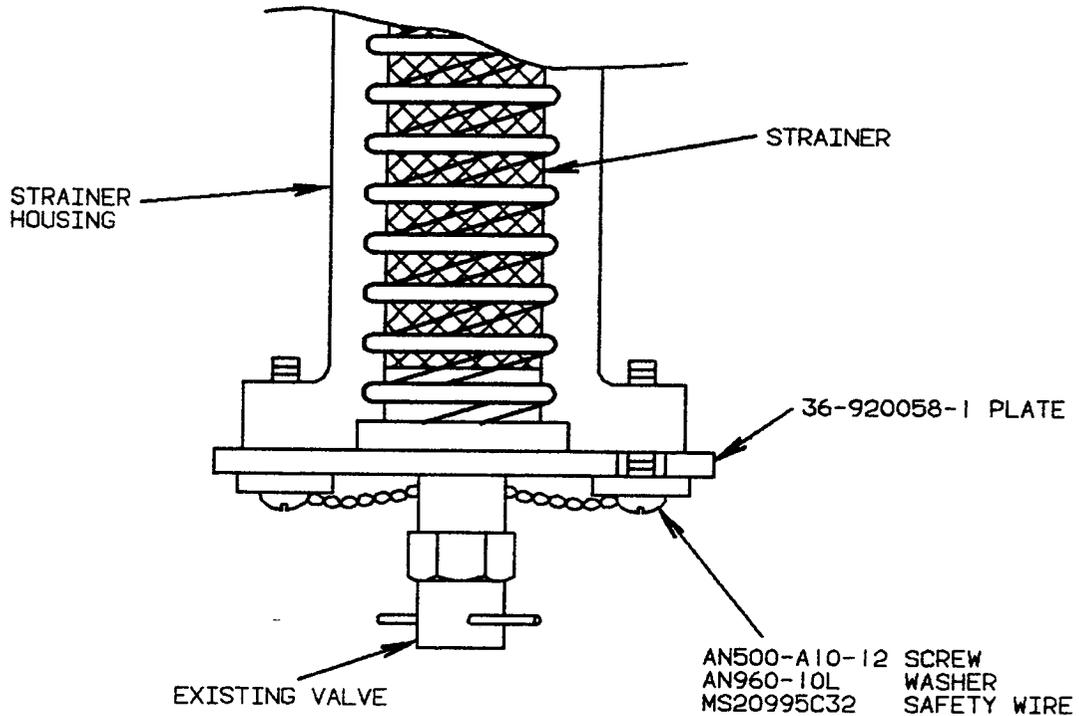
### ACCOMPLISHMENT INSTRUCTIONS:

This Service Bulletin shall be accomplished as follows:

1. Turn the fuel selector to the OFF position.
2. Gain access to the fuel strainer and remove the existing fuel strainer housing plate and fuel strainer spring from the bottom of the fuel strainer. See Figure 1. Remove and retain the valve from the housing plate and retain the attaching hardware. Discard the mounting plate, gasket and spring.
3. Use LOCTITE 592-31 (PST 592) to coat the drain assembly threads and install the valve into a new P/N 36-920058-1 housing plate. LOCTITE 592-31 (PST 592) is available through a BEECHCRAFT Authorized Outlet or may be procured from local sources.
4. Install a new P/N 35-921181 gasket on the new housing plate, place the strainer into

the spring (attached to the new plate) and attach the plate to the strainer housing using the two screws and washers which were removed in Step 3. Safety the two screws with P/N MS20995C32 safety wire (obtain locally).

5. Turn the fuel selector to either the LH or RH fuel supply and place the mixture control in Idle Cutoff. Turn on the boost pump and check for leaks.
6. Replace any access panels or equipment removed to facilitate this Service Bulletin.



**Fuel Strainer Spring and Housing Plate**

**Figure 1**

**RECORD COMPLIANCE:** Upon completion of this Service Bulletin, make an appropriate maintenance record entry.

**NOTE**

If you are no longer in possession of this airplane, please forward this information to the present owner.