

Beechcraft

CLASS II

SERVICE INSTRUCTIONS

55

No. 0688-258
ATA Code 75-00

SUBJECT: POWER PLANT - INDUCTION SYSTEM - INSTALLATION OF AIRBOX VIBRATION ISOLATOR

EFFECTIVITY: BEEHCRAFT Baron 95-55, 95-A55, 95-B55 and 95-B55A serials, TC-1 through TC-1827 except TC-350, TC-1393 through TC-1396, TC-1402 and TC-1714; 95-B55B (T-42A) serials, TF-1 through TF-70.

REASON: To preclude possible damage to the airbox installation due to engine vibration.

COMPLIANCE: At the owners discretion, however, Beech Aircraft Corporation recommends that this modification be accomplished at the next scheduled inspection.

DESCRIPTION: A silicone rubber seal and decal are to be added to each induction airbox.

APPROVAL: FAA Approved - DOA CE-2.

MANPOWER: The following information is for planning purposes only.
Estimated man-hours: 2 hours.
Suggested number of men: 1 man.

MATERIAL: The following parts required for this modification are available through your BEEHCRAFT Parts and Service Outlet.

PART NUMBER	DESCRIPTION	QUANTITY	PRICE*
96-919112-1	Seal, Airbox	2	\$2.60 each
96-919113-1	Decal, Instruction, Installation Procedure	2	\$.40 each
100951X031WB	Washer, Flat	8	\$4.00**

*Estimated suggested selling price (subject to change without notice).

**Price for a minimum buy quantity of 10 parts.

AP-835, AP-843
1174

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Beech Aircraft Corporation issues service information for the benefit of owners and fixed base operators in the form of three classes of Service Instructions. CLASS I (Red Border) are changes, inspections and modifications that could effect safety. The factory considers compliance is mandatory. These are mailed to:

- (a) Owners of record on the FAA Registration list;
- (b) Those having a publications subscription;
- (c) BEEHCRAFT Parts and Service Outlets;

Those owners previously requesting notification by card will receive a card on Class I and II Service Instructions. CLASS II (Green Border) covers changes, modifications, improvements or inspections the factory

feels will benefit the owner and although highly recommended, they are not considered mandatory compliance at the time of issuance. CLASS III (No Border) covers changes which are wholly optional, maintenance aids, product improvement kits and miscellaneous service information. Compliance is entirely at the owner or operator's prerogative. Copies of Class II and III are distributed per b and c above. Information on Owner Notification Service or Subscriptions can be obtained through any BEEHCRAFT Aviation Center, Support Center, International Distributor, or the Factory. As Service Instructions are issued, temporary notation in the index should be made until the index is revised. Warranty will be allowed only when specifically defined in the Service Instructions and in accordance with the Beech Warranty Policy.

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CLASS II

08-34238A

Service Instructions No. 0688-258

WARRANTY: This is a product improvement and may be accomplished at the owners discretion, therefore no warranty is applicable.

SPECIAL TOOLS: None.

WEIGHT AND BALANCE: None.

REFERENCES: None.

PUBLICATIONS AFFECTED: It is recommended that a note to "See Service Instructions No. 0688-258" be made on the following:

55 series Parts catalog copies P/N 55-590000-15D or subsequent, figures 61 and 66.

95-B55B (T-42A) Parts Catalog copies P/N 55-590023 or subsequent, figure 64.

**ACCOMPLISHMENT
INSTRUCTIONS:**

This modification may be accomplished as follows:

1. Disconnect the plumbing and brace from the airbox. Remove the attaching screws from the intake end and the nuts from the throttle body stud bolts and retain them. Remove the airbox and discard the aluminum spacer, two gaskets and the four washers.
2. If not already accomplished, enlarge the four holes in the airbox base flange to .385/.397-inch diameter.
3. Install the airbox seal. P/N 96-919112-1, over the throttle body stud bolts.
4. Place the airbox back in position on the throttle body stud bolts and install the new P/N 100951X031WB washers and existing nuts. Do not tighten the nuts at this time.
5. Align the airbox by installing two or more screws at its intake end.
6. Tighten the four nuts only until a positive seal is created between the two flanges and then stop. The flanges need not be parallel and the airbox seal should not be fully compressed at any point.
7. Remove the screws from the intake end of the airbox. If the airbox does not remain in relatively the same position the airbox can be adjusted with the nuts on the throttle body stud bolts. Be careful to maintain the seal between the flanges without fully compressing the airbox seal.
8. Loosen the clamp on the lower end of the airbox brace and reattach the upper end to the airbox. Adjust the clamp so that the brace provides support for the airbox but does not create any stress in the installation and retighten.
9. Reinstall all attaching hardware and plumbing.
10. Install the P/N 96-919113-1 instruction decal on the top of the airbox.
11. Repeat this procedure on the opposite engine.

RECORD COMPLIANCE: Upon completion of these Service Instructions, make an appropriate maintenance record entry.