

24

No. 1132
ATA Code 71-80

SUBJECT: POWER PLANT - MODIFICATION OF THE ALTERNATE AIR DOOR

EFFECTIVITY: BEEHCRAFT A24, serials MA-363 through MA-368;
A24R, serials MC-2 through MC-95;
A24R, B24R and C24R Sierra 200, serials MC-96 through MC-150 and MC-152 through MC-711.

REASON: To reduce the possibility of the alternate air door working loose from the hinge by bonding the door to the hinge and installing additional rivets.

COMPLIANCE: At the owner's discretion, however, Beech Aircraft Corporation recommends that this modification be accomplished as soon as practical, but no later than the next scheduled inspection.

APPROVAL: FAA Approved - DOA CE-2.

MANPOWER: The following information is for planning purposes only:

Estimated man-hours: 3 hours.
Suggested number of men: 1 man.

MATERIAL: The following parts required for this modification may be ordered through BEEHCRAFT Aero or Aviation Centers and International Distributors and Dealers or may be obtained from local sources.

PART NUMBER	DESCRIPTION	QUANTITY PER AIRPLANE
MS20426AD3-4	Rivet	4
*608	Epoxy Kit	1
**RTV732	Adhesive	1 Tube

* P/N of the Dexter Corporation, Hysol Division, Olean, NY.
** P/N of Dow Corning Co., Midland, MI.

Avy 1199
480 II

1 of 3

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 affect safety. The factory considers compliance mandatory. 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, unless specified at the time of issuance. Class I and II are mailed to:

- (a) BEEHCRAFT Aero or Aviation Centers and International Distributors and Dealers.
- (b) Owners of record on the FAA Registration list and the

BEEHCRAFT International Owner Notification Service List.
(c) Those having a publications subscription.

CLASS III (No Border) covers changes which are optional, maintenance aids, product improvement kits and miscellaneous service information. Compliance is at the owner or operator's prerogative. Copies of Class III are distributed per a and c above. Information on Owner Notification Service or Subscriptions can be obtained through any BEEHCRAFT Aero or Aviation Center, International Distributor and Dealer, 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 Beech Warranty Policy.

98-34238D

Service Instructions No. 1132

WARRANTY:

BEEHCRAFT Warranty on a new airplane is 180 days from delivery or 180 days from the date noted on the Owner Warranty Card. Warranty credit for parts and labor to the extent noted under MATERIAL and MANPOWER will be allowed on BEEHCRAFTS within warranty at the time these Service Instructions are released.

All warranty reimbursements are handled through franchised BEEHCRAFT outlets. Owners and operators may arrange with these outlets to perform the work and submit the standard Beech Aircraft Corporation warranty claim form to the commercial Service Department, Beech Aircraft Corporation, Wichita, Kansas 67201.

SPECIAL TOOLS:

None.

WEIGHT AND BALANCE:

None.

REFERENCES:

None.

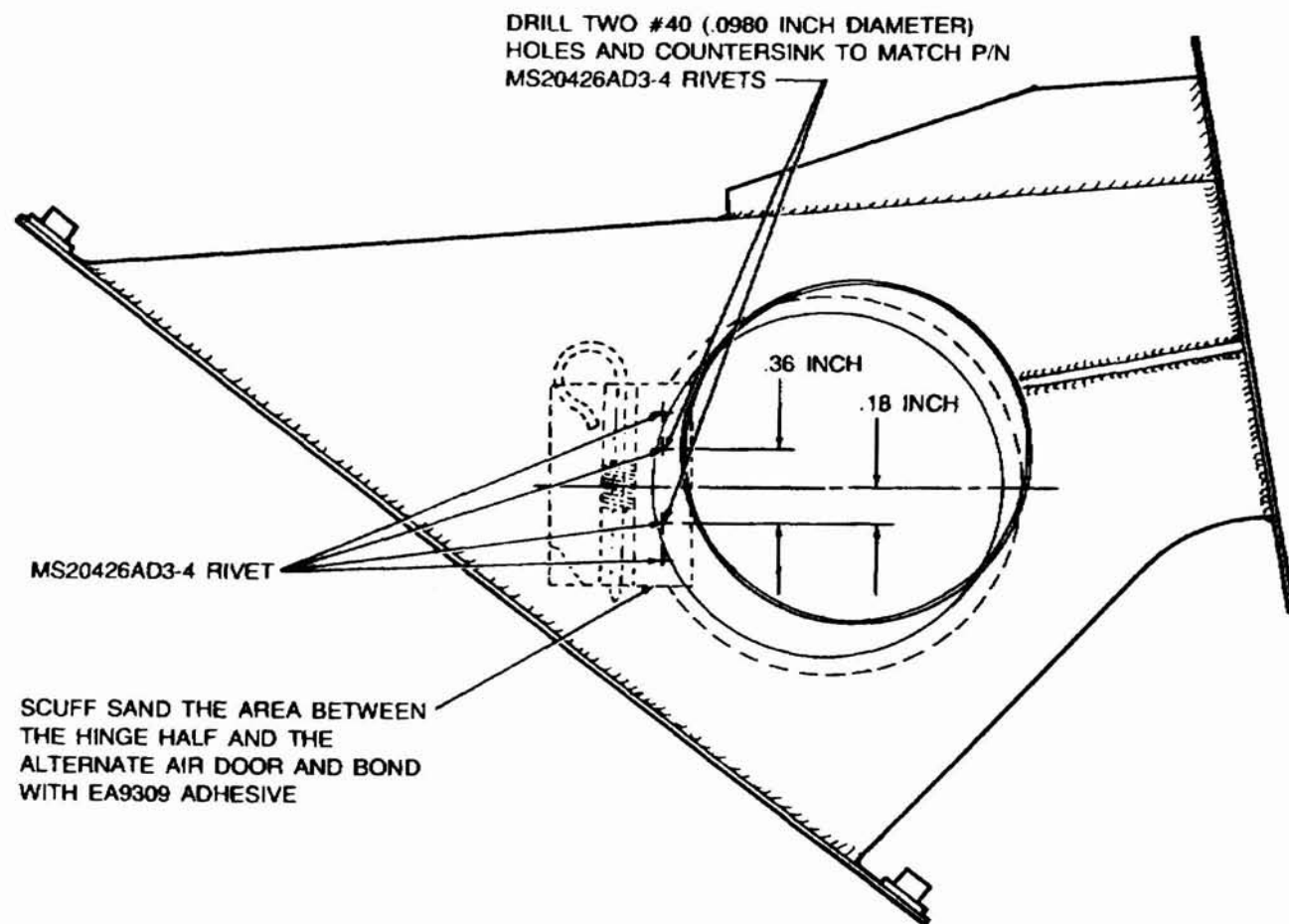
PUBLICATIONS AFFECTED:

None.

ACCOMPLISHMENT INSTRUCTIONS:

These Service Instructions may be accomplished as follows:

1. Remove the engine cowling.
2. Remove the induction air filter.
3. Remove the sealer from the safety wire on the alternate air door hinge pin and remove the safety wire, hinge pin, alternate air door and spring from the airbox.



4. Drill two #40 (.0980 inch diameter) holes through the alternate air door and hinge half as shown in the illustration. Countersink the two holes to match the MS20426AD3-4 rivets.
5. Using a #40 (.0980 inch diameter) drill, drill out the two rivets which attach the hinge half to the alternate air door.

NOTE

Care should be taken not to enlarge or elongate the rivet holes.

6. Scuff sand the areas to be bonded on the alternate air door and hinge half with coarse grit sandpaper (see illustration) and thoroughly clean the areas with MEK, naphtha or equivalent (obtain locally).
7. Bond the hinge half to the alternate air door using EA9309 adhesive (mix per manufacturers instructions) and install four P/N MS20426AD3-4 rivets before the adhesive starts to cure (see illustration).

NOTE

Allow the adhesive to cure per manufacturers instructions before continuing with step 8.

8. Reinstall the alternate air door, spring and hinge pin on the airbox.
9. Safety wire the hinge pin with MS20995C32 safety wire or equivalent (obtain locally) and seal the safety wire holes with RTV732 adhesive or equivalent.
10. Reinstall the induction air filter and engine cowling.

RECORD COMPLIANCE:

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