



CLASS II

# SERVICE INSTRUCTIONS

24

No. 0742-241  
ATA Code 75-40

**SUBJECT:** POWER PLANT - MANIFOLD PRESSURE FITTING MODIFICATION

**EFFECTIVITY:** PART I

BEECHCRAFT A23-24 and A24, serials MA-1 through MA-368 which are equipped with constant speed propellers;  
A24R, serials MC-2 through MC-95;  
A24R and B24R Sierra 200, serials MC-96 through MC-178.

PART II

BEECHCRAFT B24R Sierra 200, serials MC-179 through MC-375.

**REASON:** To provide an excess oil drain hole for the manifold pressure line.

**COMPLIANCE:** At the owner's discretion, however, Beech Aircraft Corporation recommends that this be accomplished at the next scheduled inspection. It is suggested that Service Instructions No. 0384-241, Rev. I be accomplished at this time if not already complied with.

**DESCRIPTION:** PART I

Remove the existing manifold pressure fitting and install the new 169-910073-9 fitting.

PART II

Identify the bottom flat of the existing manifold pressure fitting. Remove fitting and drill a .040 inch diameter hole through the previously identified bottom side of the fitting and reinstall.

**APPROVAL:** FAA Approved - DOA CE-2.

**MANPOWER:** The following information is for planning purposes only:

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

**MATERIAL:** The 169-910073-9 fitting required for this modification is available through your BEECHCRAFT Parts and Service Outlet at an estimated suggested selling price of \$13.90. (Price subject to change without notice.)

AW-1033

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

BEECHCRAFT 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 BEECHCRAFT 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.

96-34238L



Member of GAMA  
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CLASS II

## Service Instructions No. 0742-241

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

**SPECIAL TOOLS:** None.

**WEIGHT AND BALANCE:** None.

**REFERENCES:** Service Instructions No. 0384-241, Rev. I.

**PUBLICATIONS AFFECTED:** It is recommended that a note to "See Service Instructions No. 0742-241" be made in all BEECHCRAFT 19, 23 and 24 Series Parts Catalog copies, P/N 169-590012H or subsequent, Figure 241C and 241E.

**ACCOMPLISHMENT INSTRUCTIONS:** This modification may be accomplished as follows:

### PART I

1. This modification may be accomplished during a scheduled maintenance inspection while the upper engine cowling is removed.
2. Disconnect the manifold pressure line from the engine.

#### NOTE

The manifold pressure line is located on the aft left engine cylinder.

3. Remove the manifold pressure line fitting from the cylinder and discard.
4. Install the new 169-910073-9 fitting in the cylinder.

#### NOTE

The drain hole in the 169-910073-9 fitting is to be located pointing straight down.

5. Reconnect the manifold pressure line to the fitting.

### PART II

1. This modification may be accomplished during a scheduled maintenance inspection while the upper engine cowling is removed.
2. Disconnect the manifold pressure line from the engine.

#### NOTE

The manifold pressure line is connected to the aft left engine cylinder.

3. Mark the bottom flat of the existing manifold pressure fitting with paint or other suitable substance.
4. Remove the fitting from the cylinder.
5. Drill a .040-inch diameter hole through one side of the fitting on the marked flat.
6. Clean and remove all burrs.
7. Reinstall the fitting in the cylinder with the drain hole location pointing straight down.
8. Reconnect the manifold pressure line to the fitting.

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