

Beechcraft

CLASS I SERVICE INSTRUCTIONS

19, 23, 24

No. 0411-240, Rev. I
ATA Code 73-30
ATA Code 79-30

SUBJECT: POWER PLANT, INSTALLATION OF RESTRICTORS IN FUEL PRESSURE AND OIL PRESSURE LINES.

SYNOPSIS OF CHANGES IN REVISION I: Models A23A, B23, C23, 19A, M19A, and B19 added; Model A23-24 serials MA-1 through MA-272 excluded.

AIRCRAFT AFFECTED: BEECHCRAFT Musketeers A23A, B23, and C23, serials M-1069 through M-1310; 19A, M19A, and B19, serials MB-289 through MB-500; A23-24 and A24, serials MA-273 through MA-368; and A24R, serials MC-3 through MC-72, except MC-22, MC-23, MC-39, MC-43, MC-63, MC-64, and MC-71.

NOTE

Musketeers produced prior to the above serials and which have had the original line(s) replaced with the 130524-3 fire sleeved lines should also comply with these Service Instructions.

REASON FOR CHANGE: To provide a restrictor in the fuel pressure and oil pressure indicating systems.

ACCOMPLISHMENT: At the next 100-hour or annual inspection, whichever occurs first.

DESCRIPTION: On the above noted BEECHCRAFT Musketeers, a restrictor should be installed in the fuel pressure and oil pressure lines as described in the following procedures.

PART I. MODEL A23A

1. Disconnect the fuel pressure line from the existing fitting in the fuel flow divider located on top of the engine.
2. Remove the existing fuel pressure fitting from the fuel flow divider and discard the fitting.
3. Install the new 169-910001-67 fuel restrictor assembly in the fuel flow divider.
4. Connect the existing fuel pressure line to the new 169-910001-67 fuel restrictor assembly.
5. Disconnect the oil pressure line from the existing fitting at the engine.
6. Remove the existing oil pressure fitting from the engine and discard the fitting.
7. Install a new 169-910017-33 oil restrictor assembly on the engine.
8. Connect the existing oil pressure line to the new 169-910017-33 oil restrictor assembly.

AW-639, AW-680

1170
R771

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.



PART II. MODELS B23 AND C23

1. Disconnect the fuel pressure line from the fitting on top of the carburetor bowl.
2. Remove the existing fuel pressure fitting from the top of the carburetor bowl and discard the fitting.
3. Install a new 169-910019-13 fuel restrictor assembly in the top of the carburetor bowl.
4. Connect the existing fuel pressure line to the new 169-910019-13 fuel restrictor assembly.
5. Disconnect the oil pressure line from the existing fitting on the back of the engine case.
6. Remove the existing oil pressure fitting from the engine and discard the fitting.
7. Install a new 169-910017-33 oil restrictor assembly on the engine.
8. Connect the existing oil pressure hose to the new 169-910017-33 oil restrictor assembly.

PART III. MODELS 19A, M19A, AND B19

1. Disconnect the fuel pressure line from the existing fitting in the tee on the carburetor.
2. Remove the existing fuel pressure fitting from the tee on the carburetor and discard the fitting.
3. Install a new fuel restrictor assembly (P/N 169-920000-145 on Models 19A and M19A, P/N 169-920000-137 on Model B19) in the tee on the carburetor.
4. Connect the existing fuel pressure line to the new fuel restrictor assembly.
5. Disconnect the oil pressure line from the existing oil pressure fitting on the back of the engine case.
6. Remove the existing oil pressure fitting from the back of the engine and discard the fitting.
7. Install a new 169-910017-33 oil restrictor assembly.
8. Connect the existing oil pressure line to the new 169-910017-33 oil restrictor assembly.

PART IV. MODELS A23-24, A24, AND A24R

1. Disconnect the fuel pressure line from the existing fuel pressure fitting in the fuel flow divider on the top of the engine.
2. Remove the existing fuel pressure fitting from the fuel flow divider and discard the fitting.
3. Install a new 95-920017-5 fuel restrictor assembly in the flow divider.
4. Connect the existing fuel pressure line to the new 95-920017-5 fuel restrictor assembly.
5. Disconnect the oil pressure line from the existing oil pressure fitting in the back of the engine case.
6. Remove the existing oil pressure fitting from the engine and discard the fitting.
7. Install a new 169-910017-33 oil restrictor assembly in the back of the engine case.
8. Connect the existing oil pressure line to the new 169-910017-33 oil restrictor assembly.

The following parts are required for modification; they are available through the Beech Aircraft Corporation Dealer Organization.

MODEL	PART NUMBER	DESCRIPTION	QUANTITY	PRICE*
A23A	169-910001-67	Fuel Restrictor Assembly	1	To be advised
	169-910017-33	Oil Restrictor Assembly	1	\$10.00 Z
B23, C23	169-910019-13	Fuel Restrictor Assembly	1	To be advised
	169-910017-33	Oil Restrictor Assembly	1	\$10.00 Z
19A, M19A	169-920000-145	Fuel Restrictor Assembly	1	To be advised
	169-910017-33	Oil Restrictor Assembly	1	\$10.00 Z
B19	169-920000-137	Fuel Restrictor Assembly	1	To be advised
	169-910017-33	Oil Restrictor Assembly	1	\$10.00 Z
A23-24, A24, A24R	95-920017-5	Fuel Restrictor Assembly	1	\$12.90 Z
	169-910017-33	Oil Restrictor Assembly	1	\$10.00 Z

*Prices are subject to change without notice.

Upon completion of modification, make an appropriate maintenance record entry, and return a completed compliance card to Beech Aircraft Corporation. It is suggested that a note be placed in the parts catalog until the new part numbers have been incorporated into a revision to the parts catalog.

PLANNING INFORMATION

In addition to the prices listed above, the following is for planning purposes only.

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

COMPLIANCE CARD RETURN REQUIRED