



CLASS II

SERVICE INSTRUCTIONS

19, 23

No. 0861-281
ATA Code 28-20

Kit No. 23-9020-1 S
Kit No. 23-9020-3 S

SUBJECT: FUEL - REPLACEMENT OF THE FUEL BOOST PUMP

NOTE

This Service Instruction supersedes and cancels Service Instruction No. 0325-281.

EFFECTIVITY: Part I

BEECHCRAFT A23-19, 19A, M19A, and B19, serials MB-321 through MB-520; B19 Sport 150, serials MB-521 through MB-651 and MB-653 through MB-677; B23 and C23, serials M-1095 through M-1361; C23 Sundowner 180, serials M-1362 through M-1545.

Part II

BEECHCRAFT B19 Sport 150, serials MB-652 and MB-678 through MB-812; C23 Sundowner 180, serials M-1546 through M-1819, M-1821 through M-1836, M-1838 through M-1844, M-1846 through M-1852, M-1855, M-1857 through M-1859, M-1863, M-1864, M-1867, M-1868 and M-1870.

REASON: To provide a replacement fuel boost pump for the existing fuel boost pump that is no longer available.

COMPLIANCE: At owner's discretion or when replacement of the fuel boost pump becomes necessary.

DESCRIPTION: Part I

The existing fuel boost pump is removed and the Kit No. 23-9020-1 S fuel boost pump assembly is installed in the airplane serials indicated.

Part II

The existing fuel boost pump is removed and the Kit No. 23-9020-3 S fuel boost pump assembly is installed in the airplane serials indicated.

APPROVAL: FAA Approved - DOA CE-2.

AW-945, AW-1078

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- (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.

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98-34238D



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CLASS II

Service Instructions No. 0861-281

MANPOWER: The following is for planning purposes only:

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

MATERIAL: The parts required for this modification are contained in Kit No. 23-9020-1 S for Part I and in Kit No. 23-9020-3 S for Part II. The kits are available through your BEECHCRAFT Parts and Service Outlet.

WARRANTY: BEECHCRAFT 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 replacement and labor to the extent noted under MATERIAL and MANPOWER will be allowed for BEECHCRAFTS within warranty at the time these Service Instructions are released.

All warranty reimbursements are handled through franchised BEECHCRAFT 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.

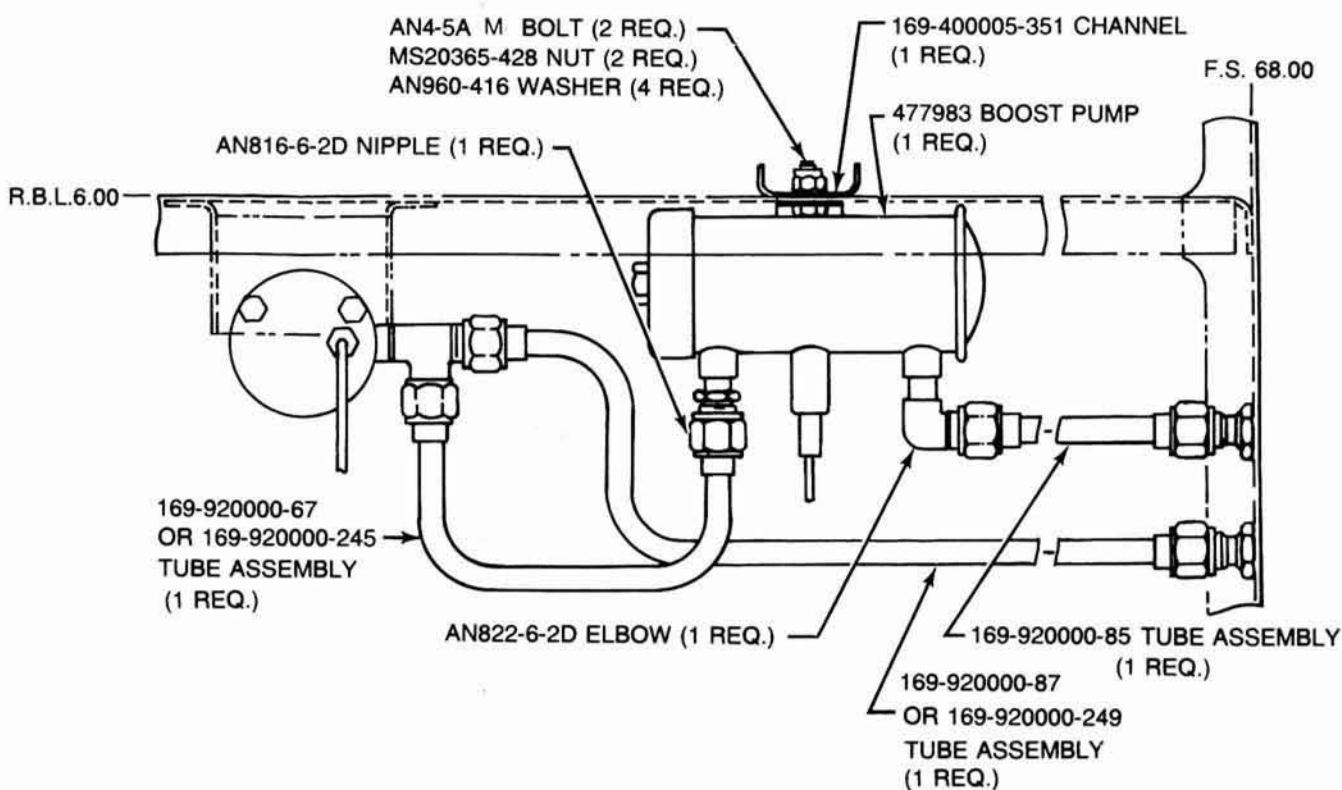
WEIGHT AND BALANCE: None.

REFERENCES: None.

PUBLICATIONS AFFECTED: It is recommended that a note to "See Service Instruction No. 0861-281" be made in all BEECHCRAFT 19, 23, and 24 Parts Catalogs P/N 169-590012H, or subsequent, figures 281C and 285B.

ACCOMPLISHMENT INSTRUCTIONS: This modification may be accomplished for either Part I or Part II in the following manner:

1. Turn the fuel selector valve to the OFF position.



2. Remove the co-pilot's seat.
3. Remove the co-pilot's rudder pedal cover assembly.
4. Remove the boost pump access door.
5. Remove the fuel boost pump.
6. Remove the tube assembly, boost pump to firewall.
7. Remove the tube assembly, firewall to strainer tee.
8. Remove the tube assembly, strainer tee to boost pump.
9. Install AN816-6-2D nipple to the "In" port of the new boost pump.
10. Install AN822-6-2D elbow to the "Out" port of the new boost pump.
11. Install the P/N 477983 boost pump and 169-400005-351 channel with AN4-5A/M/ bolt, AN960-416 washer, and MS20365-428 nut through the existing holes in the keel at fuselage station 78.40 (10.4 inches aft of the firewall).

NOTE

Trim the diagonal channel between the inboard and outboard keel as necessary to provide clearance between the channel and the new boost pump.

12. Complete the installation of the fuel line tube assemblies.

NOTE

It may be necessary to make minor adjustments to the tube assemblies and/or shim the firewall fittings in order to ensure proper alignment of the installation. Use care when hand-bending the tube assemblies so as not to crimp or damage them.

13. Leak test the system.
14. Reinstall the boost pump access plate, co-pilot's rudder pedal cover assembly, and the co-pilot's seat.

RECORD COMPLIANCE:

Upon completion of these Service Instructions, make an appropriate maintenance record entry specifying the kit identification number and the kit serial number. It is recommended that the parts list contained in the kit be filed for future reference until the listing of parts has been incorporated into the Parts Catalog.