



CLASS I SERVICE INSTRUCTIONS

19, 23, 24, 76

No. 1027
ATA Code 39-10

SUBJECT: ELECTRICAL PANELS, PARTS & INSTRUMENTS - INSPECT FOR LOCKWASHERS ON CUTLER-HAMMER ROCKER SWITCHES AND INSTALL AS NECESSARY

EFFECTIVITY: BEECHCRAFT B19 Sport 150, serials MB-866 through MB-900;
C23 Sundowner 180, serials M-1971 and M-1980 through M-2063;
C24R Sierra 200, serials MC-533 and MC-537 through MC-598;
Duchess 76, serials ME-1 through ME-57.

REASON: To improve security of electrical terminals on Cutler-Hammer rocker switches by inspecting for, and installing lockwashers as necessary.

For Duchess 76 airplanes these Service Instructions are issued to submit the information contained in Liberal Service Letter No. 78-7, dated 9-29-78, in the format of regular BEECHCRAFT Service Instructions. Liberal Service Letter No. 78-7 was issued to inspect electrical connections on rocker switches.

If compliance was made with the Liberal Service Letter, no further action is required on Duchess 76 airplanes except to enter a compliance statement for both documents in the airplane maintenance records.

COMPLIANCE: Beech Aircraft Corporation considers this to be a mandatory inspection and/or modification and it should be accomplished as soon as possible after receipt of these Service Instructions, but no later than the next 25 service hours.

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 AN936A6 lockwashers, as required, may be obtained from local sources.

WARRANTY: Warranty credit for parts and labor to the extent noted under MATERIAL and MANPOWER will be allowed for claims submitted prior to July 1, 1979.

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.

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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.

98-34239D



CLASS I

Service Instructions No. 1027

SPECIAL TOOLS: None.

WEIGHT AND BALANCE: None.

REFERENCES: None.

PUBLICATIONS AFFECTED: None.

**ACCOMPLISHMENT
INSTRUCTIONS:**

These Service Instructions may be accomplished as follows:

1. Turn off all electrical power and disconnect the battery.
 2. Remove the pilot's seat to facilitate access to the underside of the instrument panel and the rocker switches.
 3. Inspect all rocker switch terminal screws to make certain they are tight and have lockwashers installed under the heads. Use a mirror and flashlight, as necessary to inspect all terminals.
 4. On any terminals where lockwashers are not installed, remove the screw, install a P/N AN936A6 lockwasher and reinstall the screw.
 5. Reinstall the pilot's seat and any other equipment or panels removed to accomplish these Service Instructions.
 6. Reconnect the battery.
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RECORD COMPLIANCE: Upon completion of these Service Instructions, make an appropriate maintenance record entry.