

19, 23, 24, 76, 77

No. 1243  
ATA Code 71-00

**SUBJECT:** POWER PLANT - INSTALLATION OF WASHERS ON ENGINE CONTROL ROD ENDS

**EFFECTIVITY:** BEEHCRAFT A23-19, 19A, M19A and B19, serials MB-1 through MB-520;  
B19 Sport 150, serials MB-521 through MB-905;  
23, A23, A23A, B23 and C23, serials M-2 through M-1361;  
C23 Sundowner 180, serials M-1362 through M-2348;  
A23-24 and A24, serials MA-1 through MA-368;  
A24R, serials MC-2 through MC-95;  
A24R, B24R and C24R Sierra 200, serials MC-96 through MC-769;  
Duchess 76, serials ME-1 through ME-434;  
Skipper 77, serials WA-1 through WA-312.

**REASON:** To provide a safety feature on the engine control cable rod ends.

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

**APPROVAL:** Engineering data contained in these Service Instructions is FAA approved.

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

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

The above is an estimate based on experienced personnel complying with these Service Instructions. Occasionally, after work has started, conditions may be found which could result in additional man-hours.

**MATERIAL:** The parts required to accomplish these Service Instructions may be ordered through BEEHCRAFT Aero or Aviation Centers and International Distributors and Dealers.

Part Number	Description	Quantity
100951X050ZH	Washer	As Required

**WARRANTY:** Warranty credit for parts and labor to the extent noted under MATERIAL and MANPOWER will be allowed on all affected airplanes.

AW 1301 DJ-129

1031

1 of 2

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.

## Service Instructions No. 1243

All warranty reimbursements are handled through franchised BEEHCRAFT Aero or Aviation Centers and International Distributors and Dealers. Owners and operators should arrange with these outlets to perform the work and have them submit the standard Beech Aircraft Corporation warranty claim form through BEEHCRAFT Parts and Equipment Marketing Wholesalers or International Distributors.

### SPECIAL

**TOOLS:** None.

### WEIGHT AND

**BALANCE:** None.

### REFERENCES:

None.

### PUBLICATIONS

#### AFFECTED:

It is recommended that a note to "See Service Instructions No. 1243" be made in the following:

BEEHCRAFT 19, 23, 24 series Parts Catalog copies, P/N 169-590012J or subsequent, Figures 241 through 241E;

BEEHCRAFT B19, C23, C24R series Parts Catalog copies, P/N 169-590026D or subsequent, Figures 241 through 241B;

BEEHCRAFT Duchess 76 Parts Catalog copies, P/N 105-590000-9C or subsequent, Chapter 76-10;

BEEHCRAFT Skipper 77 Parts Catalog copies, P/N 108-590000-9B or subsequent, Chapter 76-10.

### ACCOMPLISHMENT

#### INSTRUCTIONS:

These Service Instructions may be accomplished as follows:

1. Gain access to the engine compartment and disconnect the throttle, mixture, carburetor heat (if applicable) and/or propeller governor (if applicable) control cables which have rod ends installed. Inspect the rod ends for condition and replace as necessary.

2. Remove the AN960-10 washer, if installed, and, using either illustration as a guide, install the rod end connecting hardware. Note that the bolt may be installed from either side of the control arm.

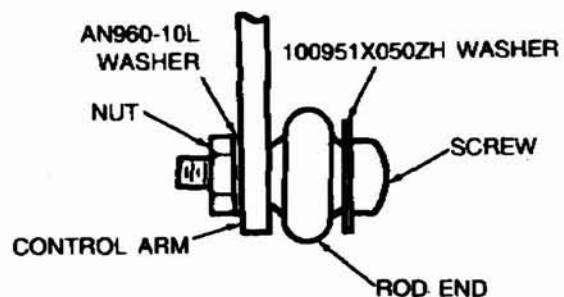
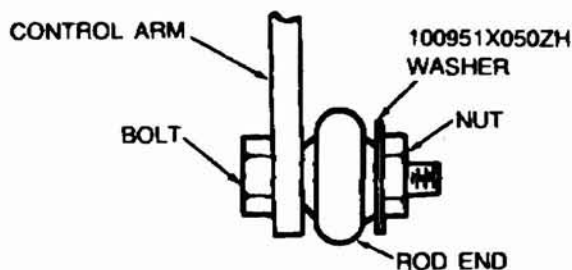
#### NOTE

Some installations may require the bolt/screw to be replaced with the next longer size.

3. Check the engine controls for proper travel and freedom of movement.

#### CAUTION

Check installation to make certain that there is no interference between the rod end bolt/nut and other components.



### RECORD

#### COMPLIANCE:

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