



CLASS II

SERVICE INSTRUCTIONS

19, 23, 24, 33, 35, 36, 55, 56TC,
58, 60, 65, 70, 80, 90, 99, 100, 200

No. 0760-010
ATA Code 00-00

SUBJECT: GENERAL - INSPECTION AND/OR REPLACEMENT OF CONTROL ROD END BEARINGS

EFFECTIVITY: BEEHCRAFT B19, serials MB-481 through MB-520;
B19 Sport 150, serials MB-521 through MB-778;
C23, serials M-1285 through M-1361;
C23 Sundowner 180, serials M-1362 through M-1686;
A24R, serials MC-2 through MC-95;
A24R and B24R Sierra 200, serials MC-96 through MC-374;
Bonanza F33 and G33, serials CD-1235 through CD-1304;
F33A, serials CE-290 through CE-589;
F33C, serials CJ-26 through CJ-89;
V35B and V35B-TC, serials D-9069 through D-9789;
A36, serials E-185 through E-708;
Baron 95-B55 and 95-B55A, serials TC-1288 through TC-1877;
E55 and E55A, serials TE-768 through TE-1056;
Turbo-Baron A56TC, serials TG-84 through TG-94;
Baron 58 and 58A, serials TH-1 through TH-649;
Duke 60 and A60, serials P-110 through P-351;
Queen Air A65, serials LC-330 through LC-335;
70, serials LB-1 through LB-35;
65-B80, serials LD-426 through LD-498;
King Air B90 and C90, serials LJ-482 through LJ-668;
E90, serials LW-1 through LW-149;
99, 99A, and B99 Airliners, serials U-136 through U-162;
King Air 100 and A100, serials B-9 through B-221;
Super King Air 200, serials BB-1 through BB-66;
Any earlier aircraft serials on which any rod end bearings have been replaced with rod end bearings manufactured by Nippon Miniature Bearing Corporation between April 1970 and April 1974.

REASON: To advise all owners that on occasion, some rod end bearings which were manufactured by Nippon Miniature Bearing Corporation have seized in service. These bearings have been used as authorized alternates in various applications on BEEHCRAFTS since early in 1970, and have been available for use in filling spare parts requirements applicable to earlier airplanes as replacement parts.

COMPLIANCE: At the owner's discretion, or if binding is detected, or rod end replacement at overhaul.

No BECP
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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) 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.

CLASS II

98-34238C



Member of GAMA
General Aviation
Manufacturers Association

Service Instructions No. 0760-010

DESCRIPTION: Rod end bearings used on engine controls, landing gear retract systems, nose landing gear steering mechanisms, flap, aileron, elevator, rudder and tab controls, etc., should be inspected for condition during normal maintenance. Replacement of certain Nippon bearings by corresponding parts manufactured by other vendors listed under ACCOMPLISHMENT INSTRUCTIONS is recommended. Replacement should be made if binding is detected or at rod end replacement at overhaul.

APPROVAL: FAA Approved - DOA CE-2.

MANPOWER: The following information is for planning purposes only:

Estimated man-hours: 1 hour per rod end (average).
Suggested number of men: 1 man.

MATERIAL: The applicable replacement rod end bearings may be obtained through your BEECHCRAFT Parts and Service Outlet. Refer to the applicable model series Parts Catalog for replacement part numbers.

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

SPECIAL TOOLS: None.

WEIGHT AND BALANCE: None.

REFERENCES: The applicable model series BEECHCRAFT Parts Catalog.

PUBLICATIONS AFFECTED: None.

ACCOMPLISHMENT INSTRUCTIONS: The following installations may have the Nippon rod end bearings installed. All Nippon bearings are identified with the part number of the bearing and the manufacturer's initials "NMB" (Nippon Miniature Bearings).

1. Rudder and rudder tab controls.
2. Elevator and elevator tab controls.
3. Aileron and aileron tab controls.
4. Engine and propeller controls.
5. Main and nose landing gear and gear door linkage and retract systems.
6. Nose landing gear steering system.
7. Cabin door (Model 60 only).

If any Nippon bearings are found in any of the above installations, they may be replaced with the corresponding part number bearings manufactured by the following:

1. Heim Company
2. Stephen-Adamson Manufacturing Company
3. Radial Bearing Corporation
4. Hartford Precision Products Company
5. Southwest Products Company

The following are Nippon part numbers that should be replaced with the corresponding part number of the vendors listed above.

AHMX5FN	AHM4P
AHF3	AHML4-1006
AHM3	AHM4-1006
AHF4	AHF4-1002
AHM6	AHF3-1002
AHML6	AHM4
AHML4	

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The following Nippon part numbers are approved for use and need not be replaced other than on condition.

ARYT4E1001
ART4ECR
ART5ECR
ART6ECR

ARHT5ECR
ABT4
ARHT4E
ART5CR

RECORD COMPLIANCE:

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