SERVICE BULLETIN

DATE: 6 MAY 1981

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SPECIAL INSPECTION OF PN 369A7003-3 SWASHPLATE BEARING ASSEMBLY

1. PLANNING INFORMATION

A. MODELS AFFECTED:

All 500C Model 369H Series helicopters.

B. PREFACE:

The information given in this Service Information Notice lists a procedure for inspecting PN 369A7003–3 swashplate bearing assembly for play and serviceability of the seals within the bearing.

C. TIME OF COMPLIANCE:

Shall be accomplished at next scheduled maintenance and each 300 hours of helicopter operation or annually thereafter–which ever occurs first.

D. FAA APPROVAL:

FAA/DER APPROVED 8 May 1981

E. WEIGHT AND BALANCE:

Weight and balance not affected

F. REFERENCE:

500C Model 369H Series HMI; Issued 1 October I972, Revision 1 December 1980
500 Component Overhaul, Appendix C to Model 369I–I Series Basic HMI, Issued 1 April 1976

500 Periodic Inspections, Overhaul and Retirement Schedule, .and Weight and Balance Procedures, Appendix B to Model 369H Series Basic HMI, Issued I October 1972, Revision No. 5, 15 June 1975

G. PARTS LIST:

PARTS LIST			
Nomenclature	**Part No.**	**Qty.**	**Source**
Bearing	369A7003- 3	1	HH

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2. PROCEDURE

a. Detach four pitch links from rotating swashplate. (See Figure 1)

b. Remove bolt connecting rotating scissors crank to link. (See Figure 1)

e. Detach upper and lower boots from swashplate. (See Figure 1)

d. Rotate upper swashplate and check for wear and damage to swashplate bearing assembly per para 7-60a and 7-60b of Basic HMI.

e. Check double row ball bearing seals for serviceability with seals in place and unbroken.

f. Check double row ball bearing for correct operation and lubrication follows;

1. Bearing must rotate smoothly and without roughness.

2. No binding or catching should exist when rotated 360°.

3. No wobble or excessive play should exist between rotating swash-plate and stationary swashplate as rotating swashplate is rotated.

CAUTION Excessive use of any solvent around any packed (grease packed) bearing can lead to deterioration and loss of grease. Use alcohol on cloth for cleaning spherical ball and static mast. Acetone and WD-40 should not be used.

g. If subject swashplate bearing does not pass inspection in steps d. through f. above, proceed as follows:

1. Complete removal of swashplate per para 7-58 of Basic HMI as applicable.

2. Remove bearing from swashplate and replace with new bearing per Appendix C Part VI.

3. Reinstall swashplate per para 7-62 of Basic HMI.

4. Proceed to step i.

h. If subject swashplate bearing passed inspection in steps d. through f. above, proceed as follows:

1. Reattach upper and lower boots to swashplate.

2. Reinstall bolt connecting rotating scissors crank to link.

3. Reattach four pitch links to rotating swashplate.

i. Record compliance with this Service Information Notice in Compliance Record of helicopter Log Book.

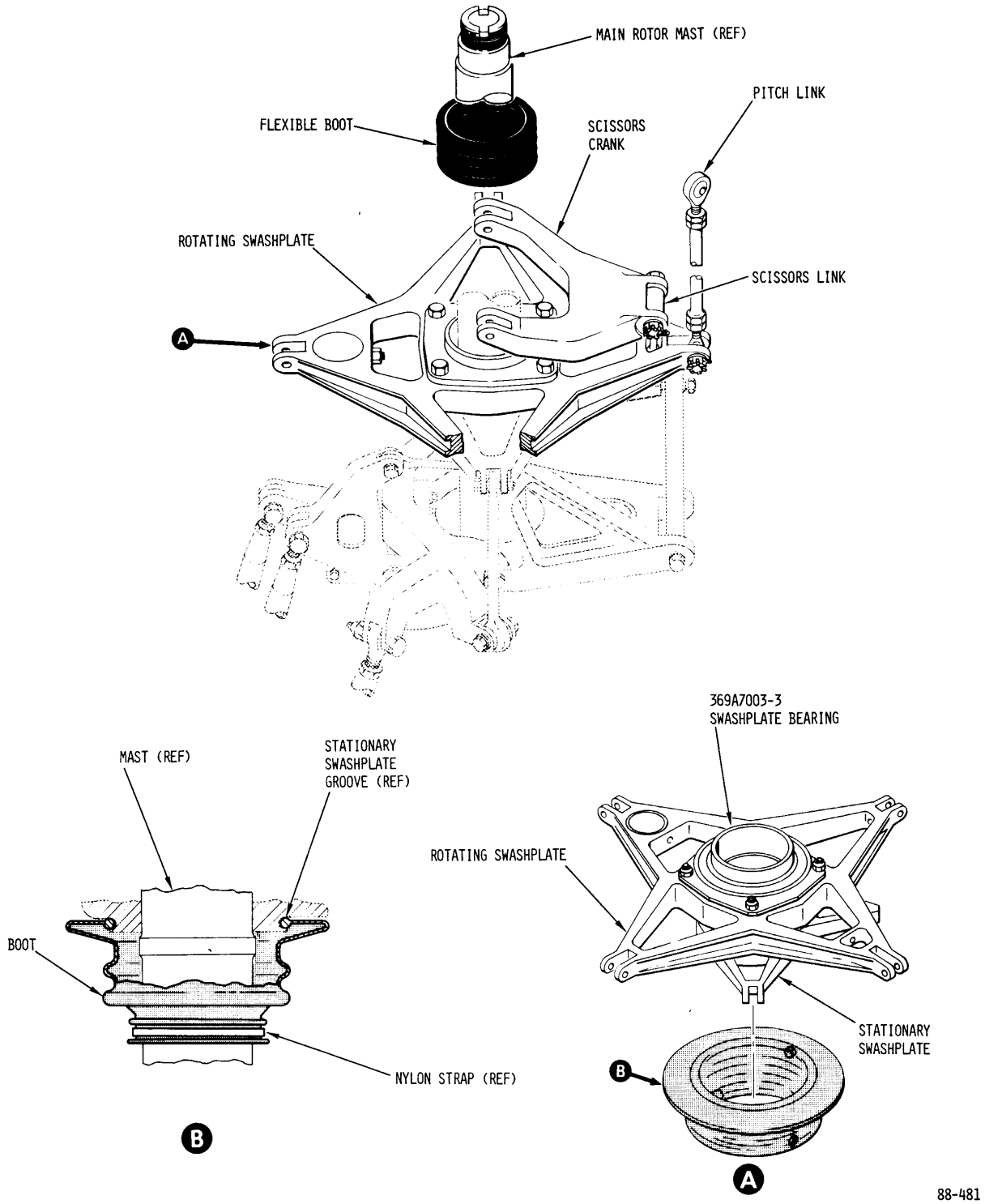

Figure 1. Swashplate Bearing and Associated Components