

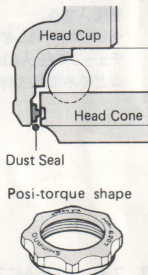
SERVICE INSTRUCTION

Model HP-6207 Head Parts NEW SHIMANO 600EX



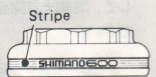
Features

- The new Shimano 600EX employs a synchronized sealing system. This unique system prevents the intrusion of mud and sand.
- Shimano has added a stripe for accent, while making it look compact.
- One big problem of head parts has been their slippery shape — which causes tools to slip and damage the lock nut. The unique posi-torque shape of the nut completely eliminates this.

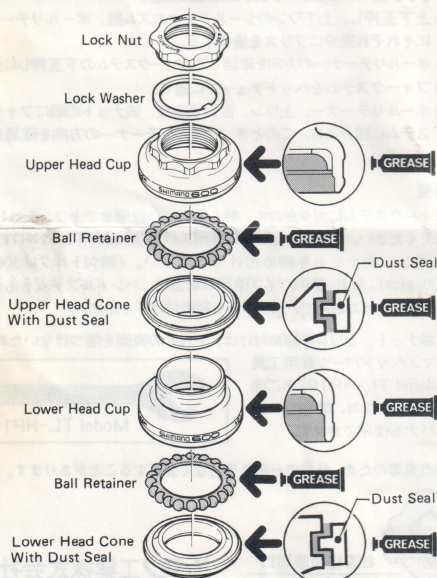


Note

- After a long period of use be sure to lubricate and if necessary to change the ball retainer.
- Never dip the stripes of the upper and lower cups into thinner or other solvents.

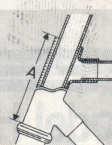


Grease-up Point



Assembly Conditions

- Diameter of the handle stem used: 22.2mm (7/8")
- The front fork stem length: A (length of the head tube of the frame) + 37 ~ 39.2mm (1-15/32 ~ 1-17/32")



Specifications

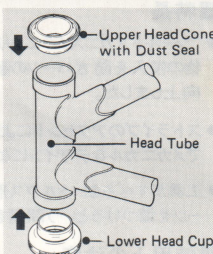
	Lock Nut	Upper/Lower Housings	Upper/Lower Head Cones	Seal Ring	Weight
Material	Light alloy	Light alloy	Steel	Resin	150g
Finish	Anodized	Anodized	Chrome-plated	Black	
Lock Nut Upper Head Cup		B.C.1 x Thread 24 (English Thread) M25 x P1.0 (French Thread)			
Upper Head Cone		30.2mm (1.1890'')/30.0mm (1.1811'') JIS			
Lower Head Cup		30.3mm (1.1923'')/30.1mm (1.1850'') JIS			
Lower Head Cone		26.36mm (1.0378'')/27.00mm (1.0630'') JIS			

JIS = Japanese Industrial Standards

Assembly

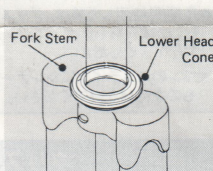
1 Inserting the upper head cone and lower head cup into the head tube.

Put the head reamer into the head tube. Then file the edges on the head tube's inner rim. (This is to prevent unnecessary shaving of the aluminum parts during insertion.)



2 Inserting the lower head cone into the fork stem.

Confirm the correct way up of the lower head cone and then push it firmly into the bottom part of the fork stem.



3 Assembling the fork stem to the head tube

- 1) Put sufficient grease on the upper and lower head cones, upper and lower head cups' sealed mechanism parts and ball retainer.
- 2) Check the correct position for the ball retainer and then put it on the lower head cone of the fork stem.
- 3) Insert the fork stem into the head tube.
- 4) Assemble into the fork stem in the following order of ball retainer, upper head cup, lock washer and lock nut. Check the correct position of the ball retainer, also.

4 Adjustment

Screw the upper head cup to a position where the fork stem can be turned lightly without interference. Next step, fix the upper head cup by use of the exclusive Shimano spanner (Model TL-HP10) and tighten the lock nut. Torque should be 300 ~ 400kgfcm (260 ~ 350 in.lbs). When using a thinner head tube, the handle stem should be assembled before tightening the lock nut.

※We recommend you to use the Shimano exclusive head parts tool (Model TL-HP10) because it will not damage the aluminum surface. However, a conventional head parts tool will also work fine.



- Specifications are subject to change for improvement without notice.

SHIMANO SALES CORPORATION
4838 Corydon Avenue, Chatsworth, California 91311 Tel. (714) 882-4411
SHIMANO AMERICAN CORPORATION
205 Jefferson Road, Parsippany, New Jersey 07054 U.S.A. Tel. (201) 864-2300
SHIMANO (EUROPE) GmbH
Postfach 10101, D-4000 Düsseldorf 13, West Germany Tel. 793097/98

SHIMANO (SINGAPORE) PTE. LTD.
No. 20, Bena Sector, Jurong Town, Singapore 2262 Tel. 654777
SHIMANO INDUSTRIAL CO. LTD.
3-77 Oimatsucho, Sakai, Osaka, Japan Tel. (0722) 23-3243

© Aug. 1983 by Shimano, N-32 UP. SHS. Printed in Japan