

SERVICE INSTRUCTIONS

FC-M730-SG FC-MT60-SG
FC-M550 FC-M500
FC-M400 FC-M300
FC-M200

Front Chainwheel

Before use, read these instructions carefully, and follow them for correct use.

Note

If used with ST1, be sure to use the following product combination.

- Front derailleur.....FD-M735/FD-M650/FD-M550/
FD-M500/FD-M400/FD-M300/
FD-M201
- Front chainwheel.....FC-M730-SG/FC-MT60-SG/
FC-M550/FC-M500/FC-M400/
FC-M300/FC-M200
- Chain.....Hyperglide compatible narrow
type UG chain

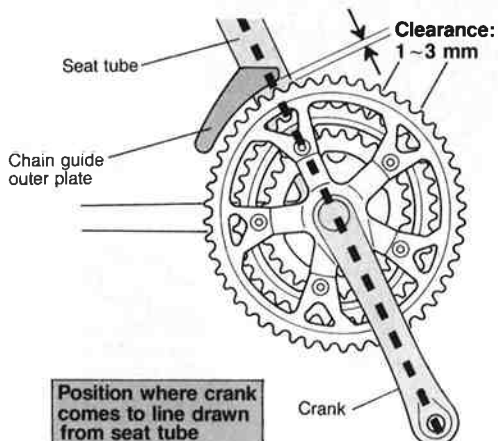
Chains other than the Shimano narrow-type chain cannot be used.

If used as Super Glide (SG), be sure to use the following combination for the front chainwheel's tooth configuration.

- SG Biopace.....48T × 38T × 28T, 46T × 36T × 26T
- SG Round gear.....48T × 38T × 28T, 46T × 36T × 24T

Note the following cautions regarding the SG Biopace chain ring.

- Use a front derailleur that has a capacity that is equivalent to the difference of number of teeth between the front chainwheel's large gear (SG) and small gear (SG), plus 2 teeth.
- The installation position of the front derailleur should be where the crank comes to the position of an imaginary line drawn from the seat tube. Then adjust so that the clearance between the large gear and the chain guide outer plate is 1~3 mm and install the front derailleur.



Position where crank comes to line drawn from seat tube

Tightening torque to front chainwheel axle:
Bolt type: 350 ~ 450 kgfcm (322 ~ 414 in.lbs.)
Nut type: 400 ~ 500 kgfcm (368 ~ 460 in.lbs.)

Specifications

Front chainwheel

Bolt circle diameter	110 mm (outer, middle) 74 mm (inner)
Applicable chain	1/2" × 3/32" narrow type
Chain line	47 ~ 47.5 mm

The chain line indications are our standard established dimensions.

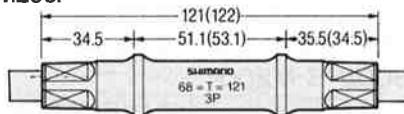
Hanger axle set

- For FC-M730-SG and FC-MT60-SG



Unit: mm Figures in () are for 70-mm width.
 Width 68 mm: D-3NL
 Width 70 mm: D-5NL

- For FC-M550, FC-M500, FC-M400, FC-M300 and FC-M200.

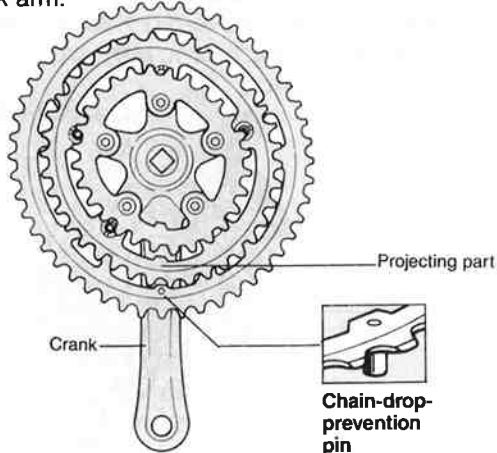


Unit: mm Figures in () are for 70-mm width.
 Width 68 mm: 3P
 Width 70 mm: 5P

Installation of the chain ring

The features of the Biopace and Super Glide (SG) will not be obtained if installation of the chain ring is at the incorrect position. Be sure, therefore, that it is installed at the correct position.

In addition, position so that, when looking from the rear side, the projecting part of the chain ring and the chain-drop-prevention pin are directly behind the crank arm.



Please note: specifications are subject to change for improvement without notice. (English)

SHIMANO

SHIMANO AMERICAN CORPORATION
 One Shimano Drive Irvine, California, U.S.A. 92718 Tel: (714) 951-5003

SHIMANO (EUROPE) GmbH
 Kleinhusen 1-3 4010 Halden, West Germany Tel: 02103 5005 0

SHIMANO (SINGAPORE) PTE. LTD.
 No. 20, Bencoolen Sector, Jurong Town, Singapore 2262 Tel: 266-4777

SHIMANO INDUSTRIAL CO., LTD.
 3-77 Omatsuchi Sakai, Osaka, Japan Tel: (0722) 23-3243

© Jun. 1989 by Shimano Co., Ltd. T-30 XBC SHS Printed in Japan.