

WARNING

- Obtain, read and carefully service instructions when installing parts. A loose, worn, or damaged parts may cause injury to the rider.
- We strongly recommend that only genuine Shimano replacement parts be used.

SERVICE INSTRUCTIONS

SI-1DMOA

FC-4400 FC-4403

Front
Chainwheel

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

Product specifications

Front Chainwheel

Model number	FC-4400	FC-4403
SG chainwheel teeth*	B-52 / 39T, B50 / 39T	52 / 42 / 30T
Bolt circle diameter	130 mm	130 / 74 mm
Crank length	165, 170, 175 mm	165, 170, 175 mm
Pedal threads	B.C. 9/16" x 20T.P.I. (English thread)	
Applicable chain	CN-HG72 / CN-HG92 / CN-7700	
Applicable bottom bracket	BB-UN52	

Bottom Bracket

Model number	BB-UN52	
Type	double	Triple
Spindle length	110 mm	113 mm
Chain line	43.5 mm	45 mm
Thread dimensions	68 mm (1.37 X 24 T.P.I.) 70 mm (M36 X 24 T.P.I.)	68 mm (1.37 X 24 T.P.I.) 70 mm (M36 X 24 T.P.I.)

SHIMANO

SHIMANO AMERICAN CORPORATION
One Holland Irvine CA 92618 U.S.A. Phone 949-951-5003

SHIMANO EUROPA

Industriestraße 24 NL-6071 CT Nunspeet Holland Phone 31-341-272222 77 Omatake-cho 3-cho Sakai Osaka 590-8577 Japan Phone 0722-23-3243

SHIMANO INC.

These service instructions are printed on recycled paper and can be recycled again

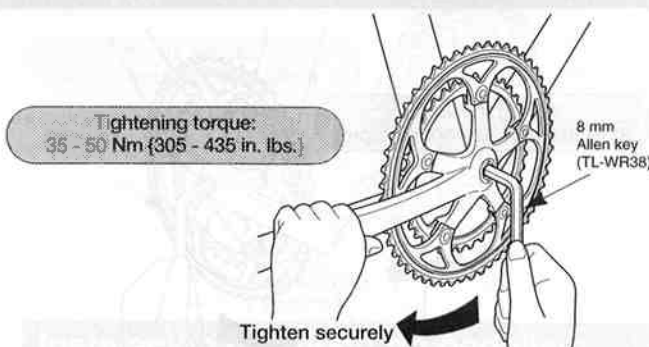


Please note: specifications are subject to change for improvement without notice. (English)
© Apr 1999 by Shimano Inc. XBC SZK Printed in Japan

Note

- Be sure to use only the FC-4400 / 4403 chainrings. If any other type of chainrings are used, the distance between the chainrings will be incorrect and the chain might slip off and get caught in between them.
- *If the smaller chainring has 39 teeth, use B-52 or B-50 as the larger chainring.
- Be sure to use only the applicable chain and bottom bracket mentioned above.
- For any questions regarding methods of handling or maintenance, please contact the place of purchase.

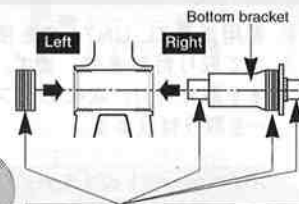
Installation of the front chainwheel



Installation of the Bottom Bracket

- Use the special tool (TL-UN74-S) to install the bottom bracket. First install the main body, then the adapter.

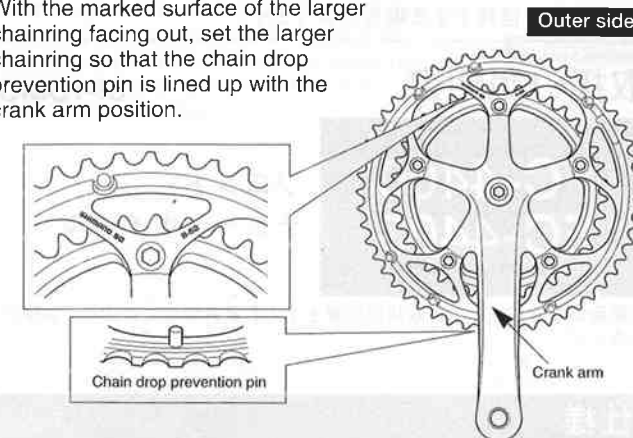
Adapter/bottom bracket tightening torque:
50 - 70 Nm {435 - 608 in. lbs.}



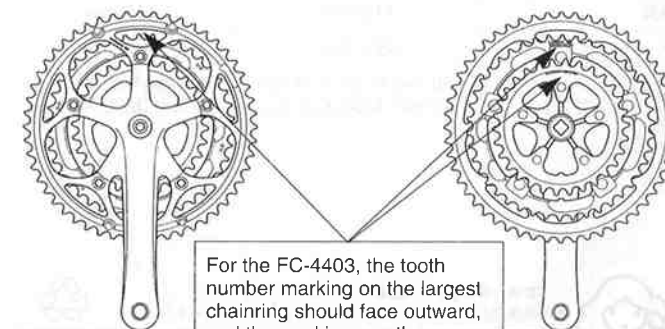
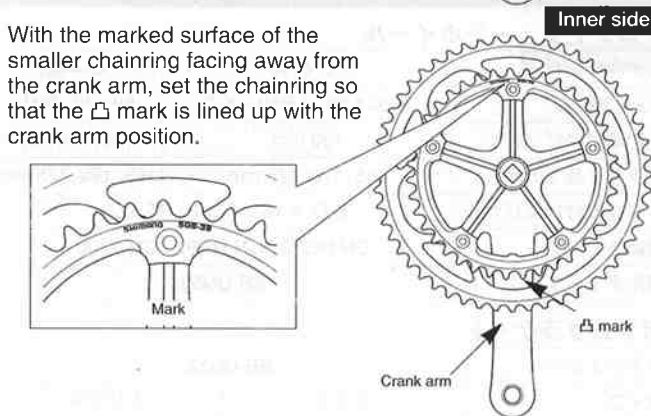
Installation of the chainrings

Smooth shifting will not be possible if the chainrings are incorrectly installed, so be sure to install the chainrings in the correct positions.

With the marked surface of the larger chainring facing out, set the larger chainring so that the chain drop prevention pin is lined up with the crank arm position.



With the marked surface of the smaller chainring facing away from the crank arm, set the chainring so that the ∇ mark is lined up with the crank arm position.



For the FC-4403, the tooth number marking on the largest chainring should face outward, and the markings on the intermediate and smallest chainrings should face inward.