

SERVICE INSTRUCTION

FC-6400-SG
FC-6400
BB-6400

Front Chainwheel

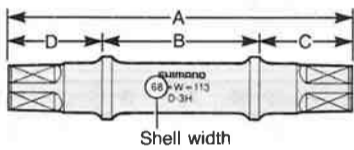
Bottom Bracket

For proper and safe performance, read and follow these instructions carefully.

Product specifications

Material	Light alloy and steel	
Bolt circle diameter	130mm	
Applicable chain	Shimano UG narrow chain	
Chaining teeth	Biopace SG	52T×42T
	Round SG gear	52T, 53T×42T
	Biopace	50T, 52T, 53T×42T
	Round gear	48T~53T×39T~45T
Crank length	165mm, 167.5mm, 170mm, 172.5mm, 175mm	
Pedal threads	B.C.9/16"×20T.P.I.(English thread), M14×P1.25(French thread)	
Bottom bracket cup thread dimensions	1.37×24T (English thread), M35×1.0 (French thread), M36×24T (Italian thread)	
Chain line	43.5mm	
Crank back to outer gear gap	9mm	
B.B. spindle	113mm (68mm shell width), 115mm (70mm shell width)	

Bottom bracket spindle width



	Shell width	A	B	C	D
D-3H	68	113	51.1	31	31
D-5H	70	115	53.1	31	31

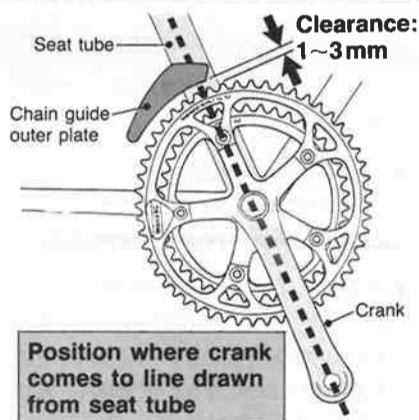
(Unit: mm)

Note

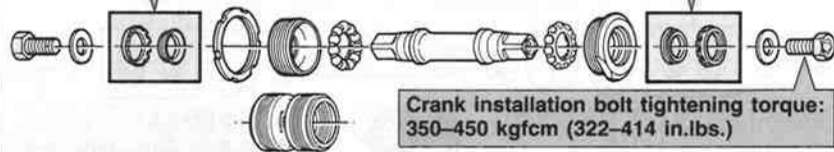
Chains other than the Shimano narrow-type chain cannot be used.

Note the following cautions regarding the Biopace chaining.

- 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 and small gear, plus 3 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.



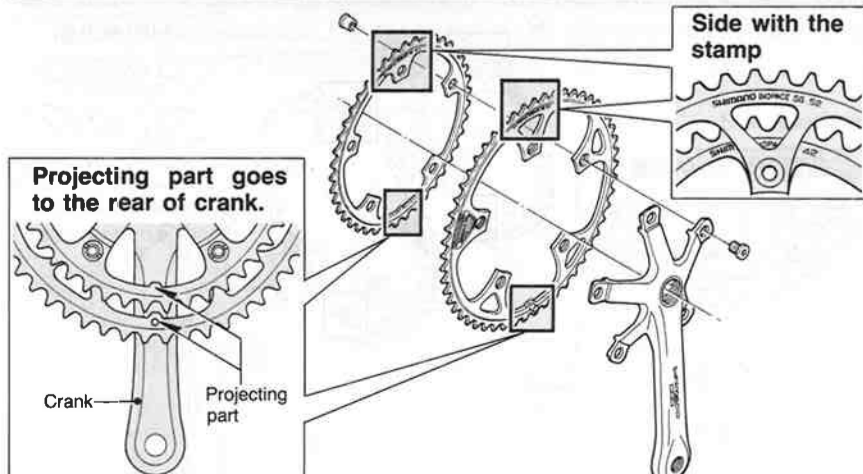
Set the seal ring and seal cap after first adjusting the bottom bracket assembly. This is a contact type seal to assure an effective seal so the hanger shaft may feel hard to turn by hand but it will have no effect when actually cycling.



Crank installation bolt tightening torque: 350-450 kgfcm (322-414 in.lbs.)

Installation of the chaining

The features of the Biopace SG gear, round SG gear and Biopace gear will not be obtained if installation of the chain ring is at the incorrect position or if it is not assembled correctly. Be sure, therefore that is assembled correctly and installed at the correct position.



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

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