

## ⚠ 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-16S0A

# FC-7710

## Front Chainwheel

# BB-7710

## Bottom Bracket

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

## Product specifications

### Front Chainwheel

Model number	FC-7710
Bolt circle diameter	144 mm
Crank length	165 mm, 167.5 mm, 170 mm, 172.5 mm, 175 mm
Pedal threads	B.C. 9/16" x 20 T.P.I. (English thread)
Chain size	1/2" x 1/8", 1/2" x 3/32"

### Bottom Bracket

Model number	BB-7710
Spindle length	109.5 mm
Chain line	42.5 mm
Thread dimensions	68 mm (B.C. 1.37 x 24 T.P.I.)

## Note

- Use the applicable chain and bottom bracket mentioned above.
- For maximum performance we highly recommend Shimano lubricants and maintenance products.
- For any questions regarding methods of handling or maintenance, please contact the place of purchase.

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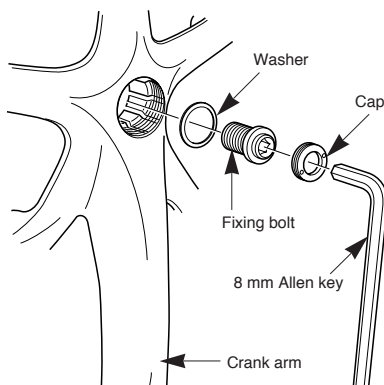
## Installation of the front chainwheel

1. Place the crank arm onto the bottom bracket spindle so that it meshes with the serrations on the spindle.
2. Install the washer and fixing bolt and tighten the fixing bolt.

**Tightening torque:**  
35 - 50 Nm {305 - 435 in. lbs.}

3. Lastly, attach the cap.

**Tightening torque:**  
5 - 7 Nm {44 - 60 in. lbs.}

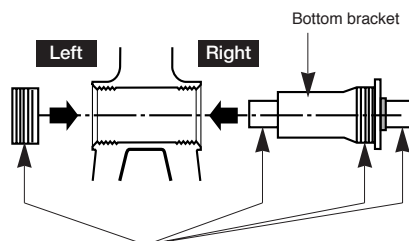


- The crank arm can be removed simply by turning the fixing bolt counterclockwise.
- Apply grease to the reverse side of the cap and to the contact surface of the fixing bolt.

## Installation of the Bottom Bracket

1. 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.}



Apply grease to the bottom bracket before installing it.

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

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