

General Safety Information

WARNING – To avoid serious injuries:

- It is important to completely understand the operation of your bicycle's brake system. Improper use of your bicycle's brake system may result in a loss of control or an accident, which could lead to severe injury. Because each bicycle may handle differently, be sure to learn the proper braking technique (including bicycle control characteristics) and operation of your bicycle. This can be done by consulting your professional bicycle dealer and the bicycle owner's manual, and by practicing your riding and braking technique.
- When securing the brake arm to the frame, be sure to use a brake arm clip that matches the size of the chainstay, and securely tighten them with the clip screw and clip nut to the specified tightening torque. Use a lock nut with a nylon insert (self-locking nut) for the clip nut. It is recommended that standard Shimano parts be used for the clip screw, clip nut and brake arm clip. In addition, use a brake arm clip that matches the size of the chainstay. If the clip nut comes off the brake arm, or if the clip screw or brake arm clip becomes damaged, the brake arm may rotate on the chainstay and cause the handlebars to jerk suddenly, or the bicycle wheel may lock and the bicycle may fall over, causing serious injury.

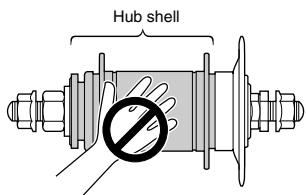
- Obtain and read the service instructions carefully prior to installing the parts. Loose, worn, or damaged parts may cause serious injury to the rider. We strongly recommend only using genuine Shimano replacement parts.

- Check that the wheels are fastened securely before riding the bicycle. If the wheels are loose in any way, they may come off the bicycle and serious injury may result.

- Read these Technical Service Instructions carefully, and keep them in a safe place for later reference.

CAUTION – To avoid serious injuries:

- Spin the wheel and confirm that the braking force of the coaster brake is correct.
- If the brakes are used frequently, the hub shell may become hot. Do not touch the hub shell for at least 30 minutes after you finish riding the bicycle.



NOTE:

- The CB-E110 should be used with Sprockets from 15T to 23T.
- If the wheel becomes stiff and difficult to turn, you should lubricate it with grease.
- Do not apply any lubricant to the inside of the hub, otherwise the grease will come out.
- You should periodically wash the sprockets in a neutral detergent and then lubricate them again. In addition, cleaning the chain with neutral detergent and lubricating it can be an effective way of extending the useful life of the sprockets and the chain.
- If the chain keeps coming off the sprockets during use, replace the sprockets and the chain.
- Parts are not guaranteed against natural wear or deterioration resulting from normal use.
- For maximum performance we highly recommend Shimano lubricants and maintenance products.
- For any questions regarding methods of handling or adjustment, please contact the place of purchase.

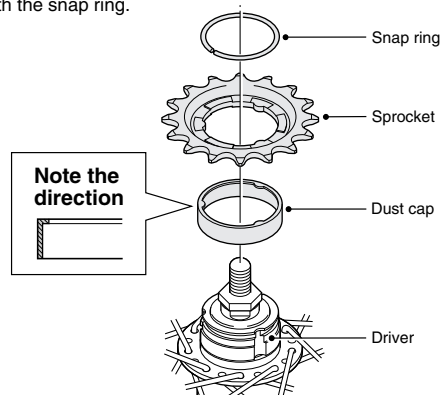
SI-2860A

CB-E110 Coaster Brake E-type

Technical Service Instructions

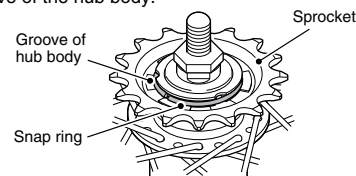
Installation of the sprocket to the hub

Place the dust cap onto the driver on the right side of the hub body. Next, install the Sprocket and secure it in place with the snap ring.



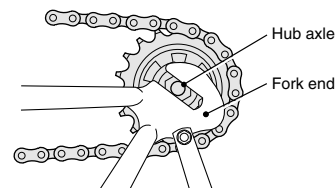
Note:

Check that the snap ring is sitting securely in the groove of the hub body.

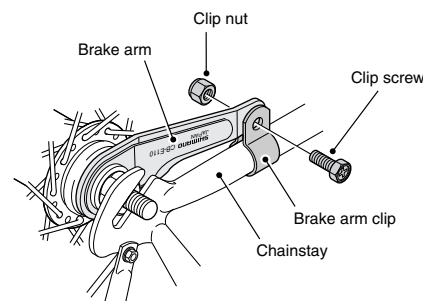


Installation of the hub to the frame

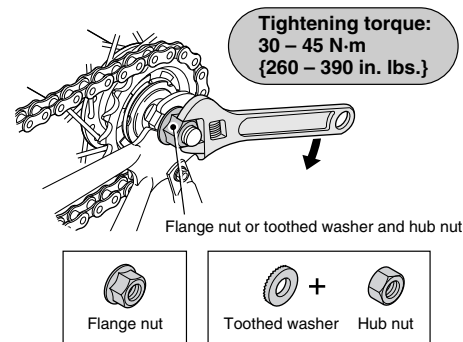
- Mount the chain on the sprocket, and then set the hub axle into the fork ends.



- Attach the brake arm to the chainstay with the brake arm clip, and then lightly tighten the clip screw and clip nut to provisionally secure the brake arm in place.

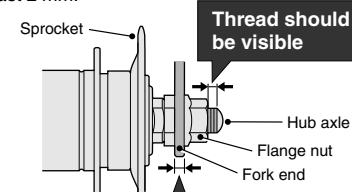


- Screw the flange nuts or the toothed washers and hub nuts onto both ends of the Hub axle. After this, take up the slack in the chain and then tighten the flange nuts or hub nuts to secure the wheel to the frame.



Note:

Check that the right end of the Hub axle protrudes from the edge of the flange nut or hub nut by at least 2 mm.



Overall dimensions of fork end, stand and mudguard stay (Varies depending on the bicycle)

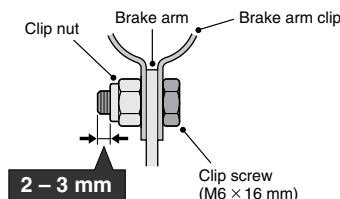
- Fix the brake arm securely to the chainstay with the brake arm clip.

Note:

- When installing the brake arm clip, securely tighten the clip screw while holding the clip nut with a 10 mm spanner.

Tightening torque:
2 - 3 N·m {17 - 26 in. lbs.}

- After installing the brake arm clip, check that the clip screw protrudes about 2 - 3 mm from the surface of the clip nut.



- Before using the Coaster Brake, check that the brake works properly and that the wheel turns smoothly.

These service instructions explain how to use and maintain the Shimano bicycle parts which have been used on your new bicycle. For any questions regarding your bicycle or other matters which are not related to Shimano parts, please contact the place of purchase or the bicycle manufacturer.

These service instructions are printed on recycled paper. Please note: Specifications are subject to change for improvement without notice. (English)

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