

General Safety Information

⚠ WARNING – To avoid serious injuries:

- Improper use of your bicycle's brake system may result in a loss of control or an accident, which could lead to a severe injury. Because each bicycle may handle differently, be sure to learn the proper braking technique (including brake lever pressure and bicycle control characteristics) for your bicycle. Consult your bicycle dealer and the bicycle's owners manual, and practice your riding and braking technique.
- If the front brake is applied too strongly, the wheel may lock and the bicycle may fall forward, and serious injury may result.
- Securely tighten the caliper brake mounting nuts to the specified tightening torque.
 - Use lock nuts with nylon inserts (self-locking nuts) for nut-type brakes.
 - For sunken nut type brakes, use sunken nuts of the appropriate length which can be turned six times or more; when re-installing, apply sealant (locking adhesive) to the nut threads.
- If the nuts become loose and the brakes fall off, they may get caught up in the bicycle and the bicycle may fall over. Particularly if this happens with the front wheel, the bicycle may be thrown forward and serious injury could result.
- Obtain and read the service instructions carefully prior to installing the parts. Loose, worn or damaged parts may cause the bicycle to fall over and serious injury may occur as a result. We strongly recommend only using genuine Shimano replacement parts.
- Be careful not to allow any oil or grease to get onto the brake shoes. If any oil or grease do get on the shoes, you should replace the shoes, otherwise the brakes may not work correctly.
- Check the brake cable for rust and fraying, and replace the cable immediately if any such problems are found. If this is not done, the brakes may not work correctly.
- Always make sure that the front and rear brakes are working correctly before you ride the bicycle.
- The required braking distance will be longer during wet weather. Reduce your speed and apply the brakes early and gently.
- If the road surface is wet, the tires will skid more easily. If the tires skid, you may fall off the bicycle. To avoid this, reduce your speed and apply the brakes early and gently.
- Read these Technical Service Instructions carefully, and keep them in a safe place for later reference.

NOTE:


- If using SHIMANO's road brake shoes in combination with ceramic rims, the brake shoes will wear more quickly than normal.
- If the brake shoes have worn down until the grooves are no longer visible, they should be replaced.
- Different brake shoes have their own characteristics. Ask the place of purchase for details when purchasing the brake shoes.
- 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 maintenance, please contact the place of purchase.

BR-3400 Caliper Brake

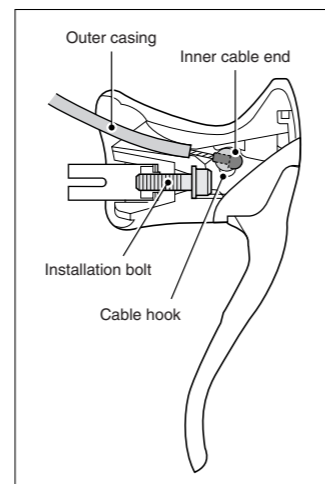
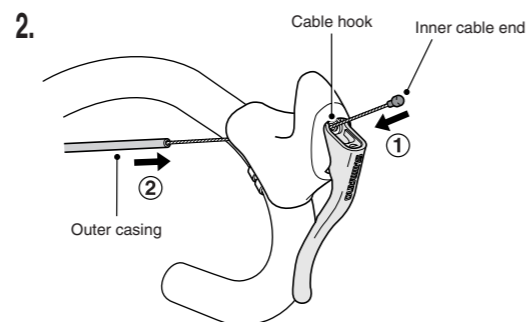
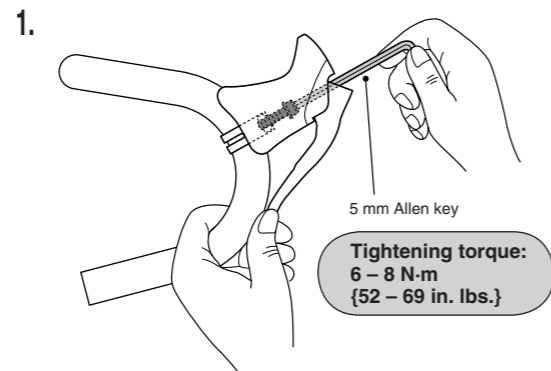
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Technical Service Instructions

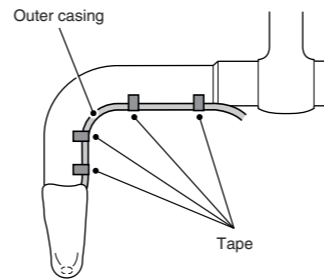
In order to realize the best performance, we recommend that the following combination be used.

Series	SORA
Brake lever	ST-3400 / BL-R400
Caliper Brake	BR-3400
Brake cable	

Installation of the brake lever



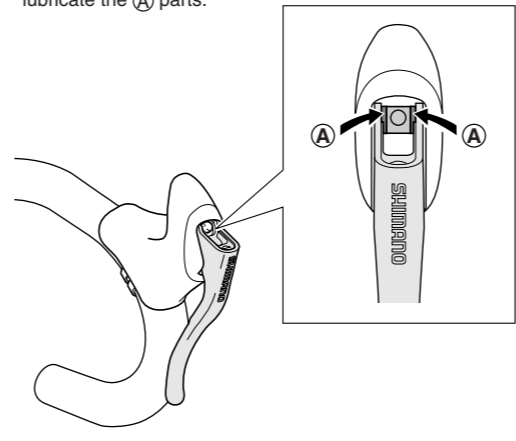
3. Temporarily secure the outer casing to the handlebar (by using tape or similar material).



4. Then wrap the handlebar with handlebar tape.

Note:

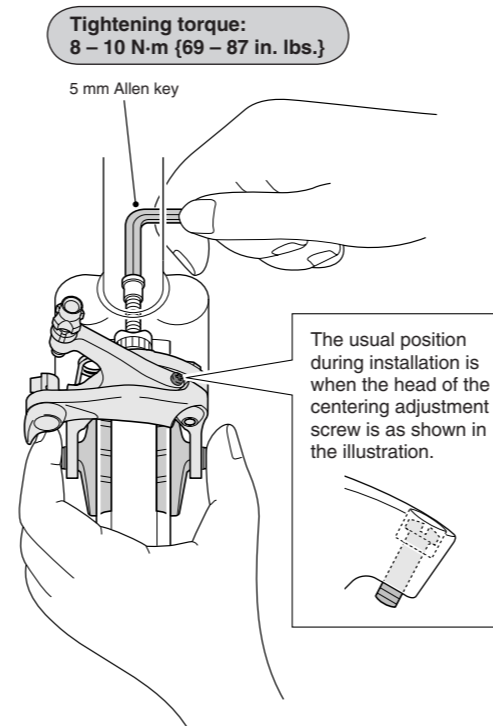
- Cut the cable at the length at which it is not pulled tight when the handlebar is turned all the way to the left and right.
- If a squeaking noise occurs after a long period of use, lubricate the (A) parts.



Installation of the brake

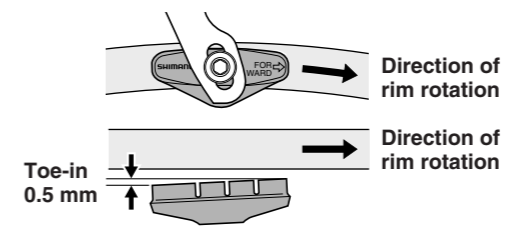
1. Installation of the brake itself

Compress the arch, and set while the shoe is in firm contact with the rim



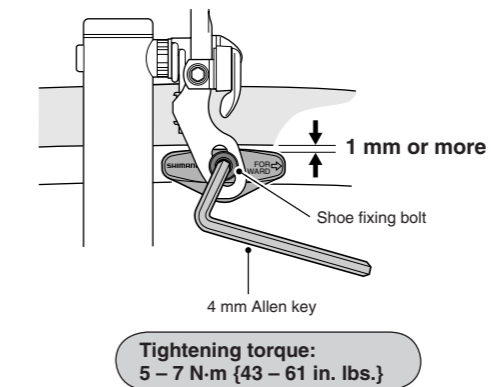
2. Brake shoe setting position

After adjusting the brake shoe position so that the shoe surface and the rim surface are as shown in the illustration, tighten the shoe fixing bolt.



Note:

The BR-3400 allows the angle of contact between the shoe and the rim (toe-in) to be adjusted. Adjusting the toe-in makes it possible to obtain smoother braking operation.



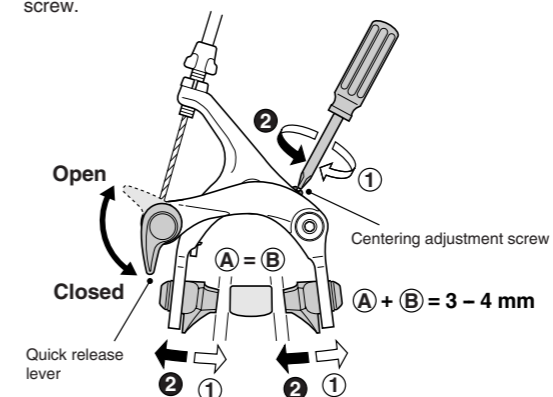
3. Cable connection

Set the quick release lever to the closed position; then adjust the shoe clearance (as shown in the illustration below) and secure the cable.

Cable bolt tightening torque:
6 – 8 N·m {52 – 69 in. lbs.}

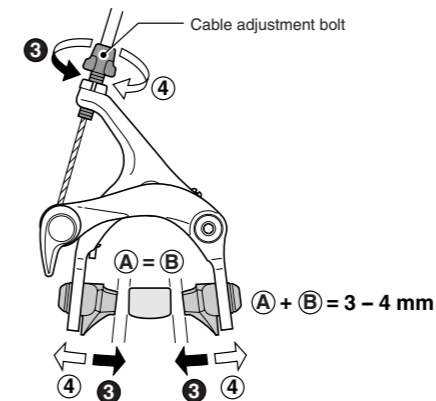
4. Centering of the brake shoe

Make a minor adjustment by using the centering adjustment screw.



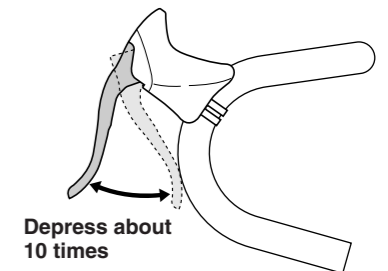
5. Readjustment of the shoe clearance

Turn the cable adjustment bolt to readjust the shoe clearance.



6. Check

Depress the brake lever about 10 times as far as the grip and check that everything is operating correctly and that the shoe clearance is correct before using the brakes.



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* Service Instructions in further languages are available at : <http://techdocs.shimano.com>

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