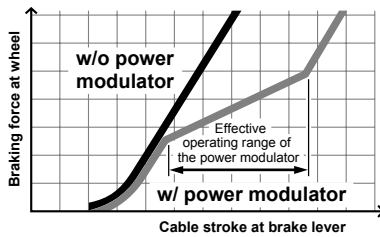


WARNING – To avoid serious injuries:

- Brake operation** 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.
- Use the BR-F800 V-brake with V-brake compatible levers such as the BL-F800 brake lever. If this is not done, some combinations of brakes and brake levers may cause excessive braking force to be applied when the brake lever is operated, which may cause dangerous accidents such as falling off the bicycle, or result in an uneven cable stroke which can cause braking force to be insufficient, which in turn could result in dangerous accidents.
- Front brakes** Brakes designed for use as rear brakes should not be used as front brakes.
- Shimano parts** 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.

CAUTION – To avoid serious injuries:

Power modulator The power modulator is a device that makes it easier to control braking by increasing the cable stroke at the brake lever within a certain constant range of braking force. If the effective operating range of the power modulator is exceeded, the brake will operate as a normal V-Brake (sensitive and powerful). In that case, the brakes may operate more powerfully than intended and may cause the wheel to lock up. Therefore it is essential that you fully understand and test the performance of the power modulator before use. **The power modulator is not equipped with a function to prevent the wheel from locking up.**

Braking Performance Comparison**NOTE:**

- Parts such as the brake shoes are not guaranteed against wear of deterioration in the quality of their materials.
- 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.

* 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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Brake System

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

Technical Service Instructions

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

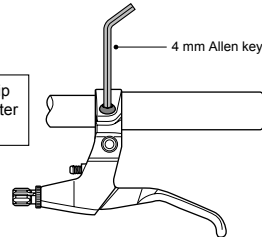
Brake lever	BL-F800
V-Brake	BR-F800
Power modulator (Option)	SM-PM60
Brake cable	

Installation of the brake lever

Use a 4 mm Allen key to install the brake lever.

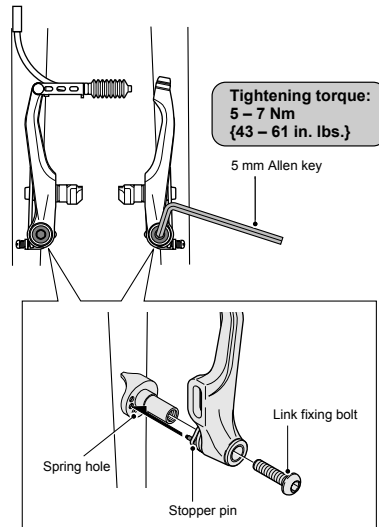
Tightening torque:
6 – 8 Nm {52 – 69 in. lbs.}

Use a handlebar grip with a maximum outer diameter of 32 mm.

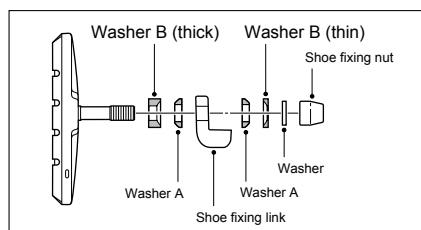
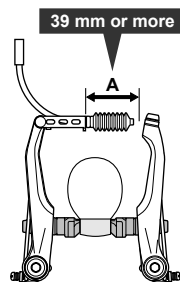


Installation of the V-Brake

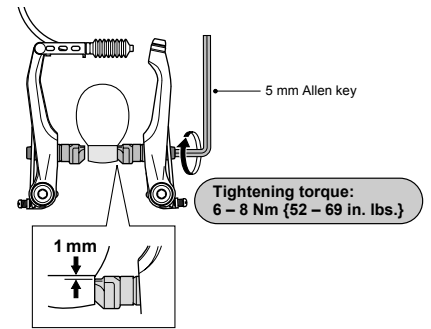
- Insert the stopper pin of the brake body into the center spring hole in the frame mounting boss, and then secure the brake body to the frame with the link fixing bolt.



- While holding the shoe against the rim, adjust the amount of shoe protrusion by changing over the washer B (thick or thin) so that dimension A is kept at 39 mm or more.

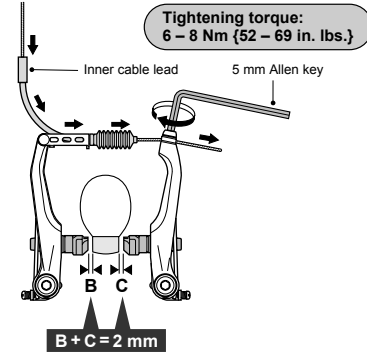


- While holding the shoe against the rim, tighten the shoe fixing nut.

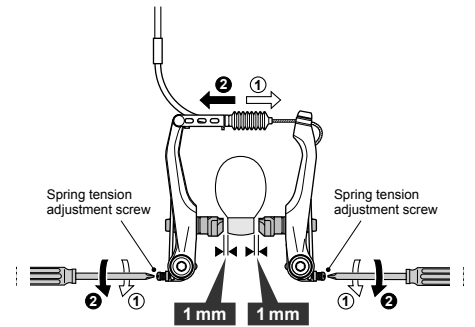


Tightening torque:
6 – 8 Nm {52 – 69 in. lbs.}

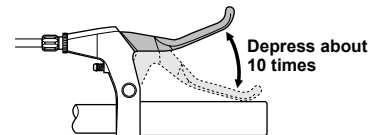
- Pass the inner cable through the inner cable lead, and after setting so that the total of the clearances between the left and right shoes and the rim is 2 mm, tighten the cable fixing bolt.



- Adjust the balance with the spring tension adjustment screws.

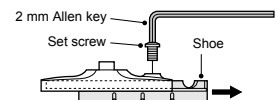


- Depress the brake lever about 10 times as far as the grip and check that everything is operating correctly and that the shoe clearance is correct before using the brakes.

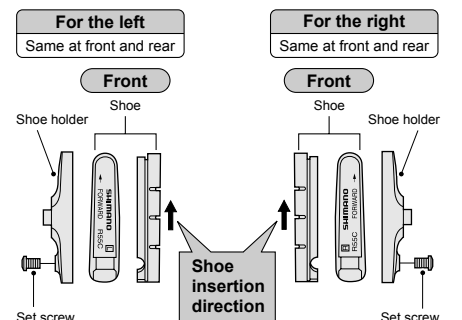


Replacement of the cartridge shoe

- Remove the set screw. Remove the shoe by sliding it along the groove of the shoe holder.



- There are two different types of shoe and shoe holder to be used in the left and right positions respectively. Slide the new shoes into the grooves on the shoe holders while taking note of the correct directions and screw hole positions.



- Tighten the set screw.

Tightening torque: 1 – 1.5 Nm {9 – 13 in. lbs.}