

## WARNING

- 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 brake lever pressure and bicycle control characteristics) and operation of your bicycle. This can be done by consulting your professional bicycle dealer and the bicycle's owners manual, and by practicing your riding and braking technique.
- Use the **BR-M330 V-brake with V-brake-compatible brake levers such as the ST-EF33 / BL-MC40 brake levers.**


## SERVICE INSTRUCTIONS

SI-B610B

# Brake System

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

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

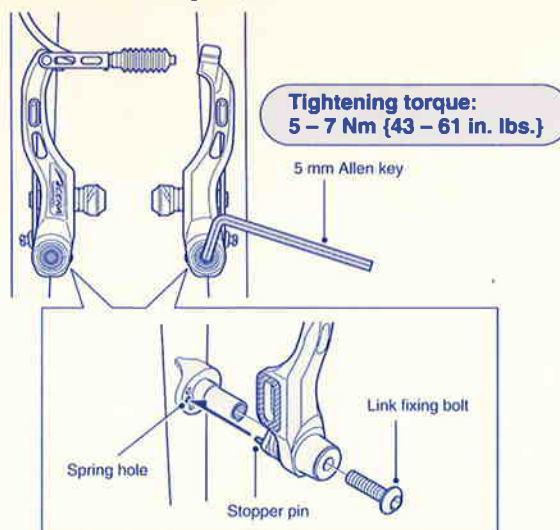
Series	<b>ACERA</b>
Brake lever	<b>ST-EF33</b>
V-brake	<b>BR-M330</b>
Brake cable	

### NOTE:

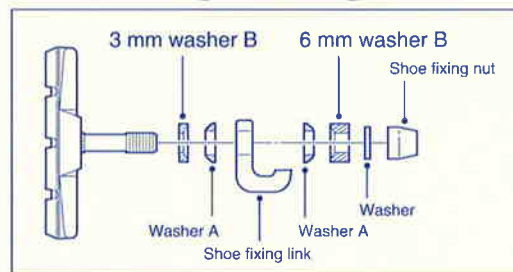
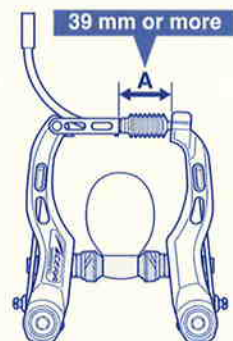
For any questions regarding methods of handling or maintenance, please contact the place of purchase.

## Installation of the V-brake

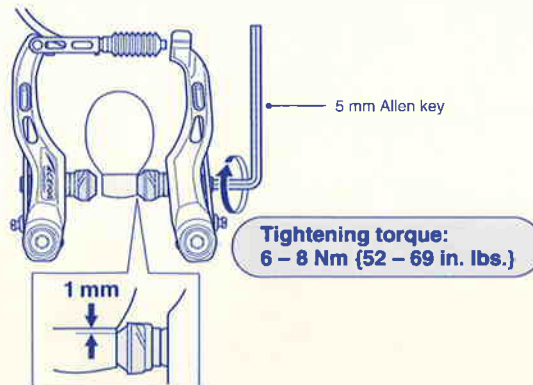
- Insert the stopper pin of the brake body into the center spring hole in the frame mounting boss, and then secure the brake body to the frame with the link fixing bolt.



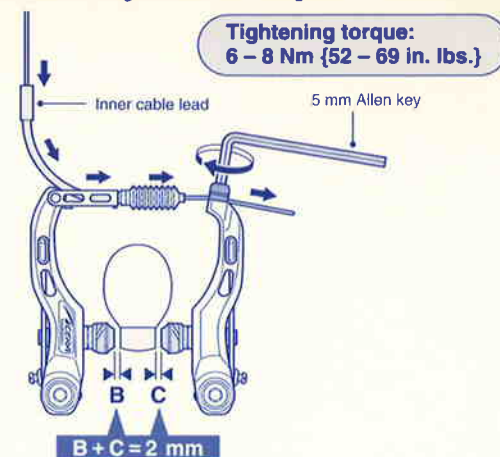
- While holding the shoe against the rim, adjust the amount of shoe protrusion by changing over the washer B (6 mm or 3 mm) so that dimension A is kept at 39 mm or more.



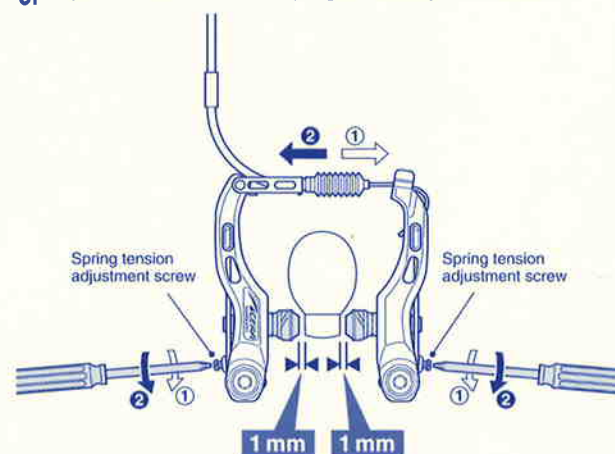
- While holding the shoe against the rim, tighten the shoe fixing nut.



- 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.

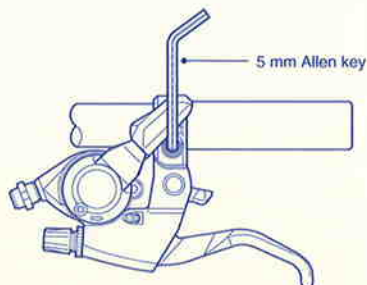


## Installation of the brake lever

Use a 5 mm Allen key to install the brake lever.

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

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



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.

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

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