

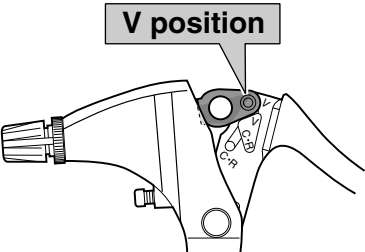
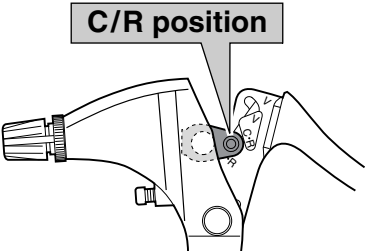


⚠ WARNING

- 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.
- The ST-T300/ST-T400 brake levers are equipped with a mode switching mechanism to make them compatible with V-brakes with power modulator (BR-T300) and cantilever brakes and roller brakes.

If the incorrect mode is selected it may cause either excessive or insufficient braking force to occur, which could result in dangerous accidents.

Be sure to select the mode in accordance with the instructions given in the table below.

Mode position	Applicable brake
<div><p>The V indicates the mode position for compatibility with V-brakes with power</p></div>	<ul style="list-style-type: none">• V-brakes with power modulator (BR-T300)
<div><p>The C indicates the mode position for compatibility with cantilever brakes. The R indicates the mode position for compatibility with roller brakes.</p></div>	<ul style="list-style-type: none">• Cantilever brakes• Roller brakes

Use the ST-T300/ST-T400 brake levers with mode switching mechanism in the combinations given above.

- **Use the BR-T300 V-brake with power modulator only with V-brake levers such as the ST-T300/BL-T400/BL-IM45/BL-MC40/BL-M601/BL-M739/BL-M950/ST-T400/SB-7S45/ST-M739/ST-M950 brake levers.**
- 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-B670B


Multi-Condition
Brake System

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

Multi-Condition Brake System

By providing superior wet weather braking performance (control and modulation), braking performance will not vary in a multitude of conditions when using this brake system.

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

Series	NEXAVE
Brake lever	ST-T300
V-brake	BR-T300
Brake cable	

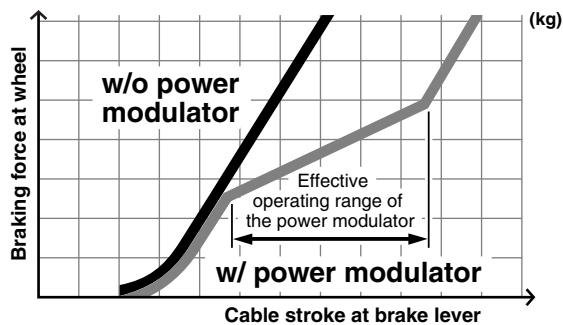
CAUTION

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 will be exceeded, the lever stroke and 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.

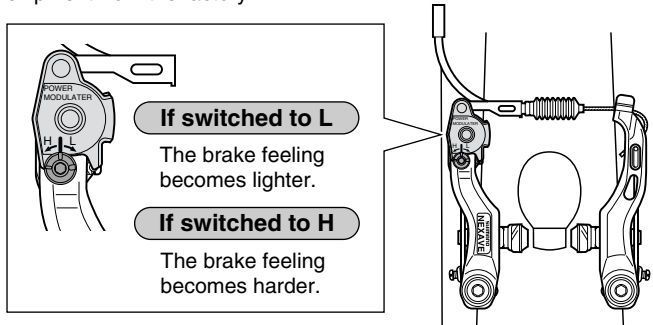
The power modulator is not equipped with a function to prevent the wheel from locking up.

Braking Performance Comparison



NOTE:

- By using these parts as a set, the optimum efficiency of the Multi-Condition Brake System can be realized.
- The  mark on the power modulator of the V-brake is set to the standard setting position shown in the illustration below at the time of shipment from the factory.



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

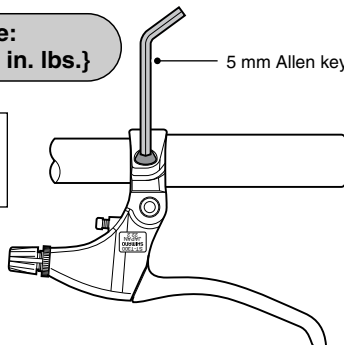
Installation of the brake lever

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

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

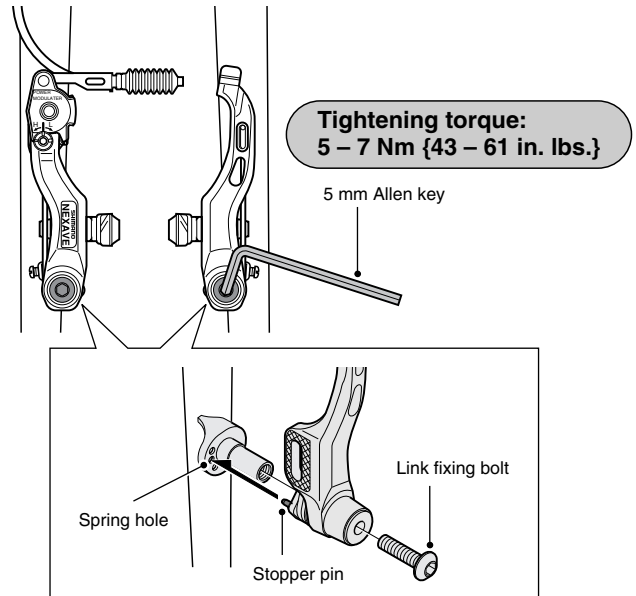
5 mm Allen key

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

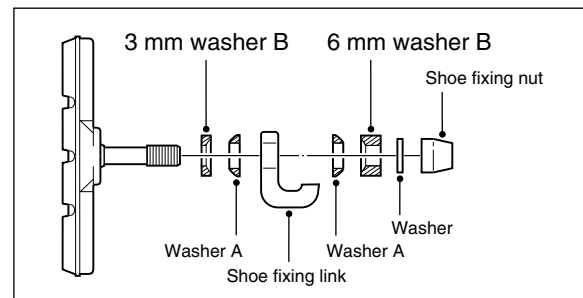
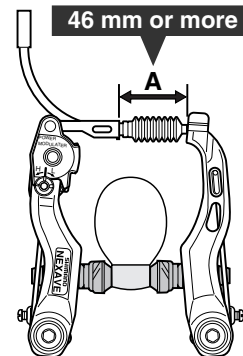


Installation of the V-brake

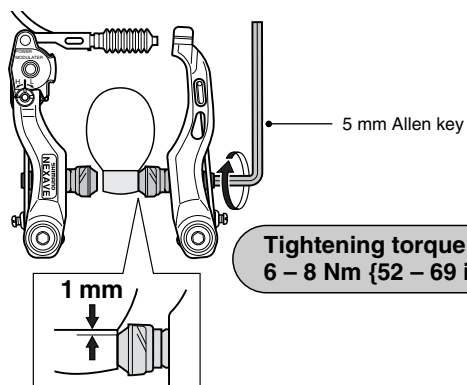
- Insert the stopper pin of the brake body into the center spring hole in the frame mounting boss, and then secure the brake body to the frame with the link fixing bolt.



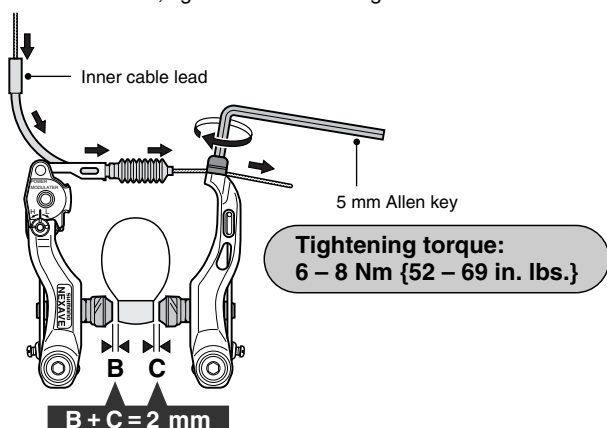
- While holding the shoe against the rim, adjust the amount of shoe protrusion by changing over the washer B (6 mm or 3 mm) so that dimension A is kept at 46 mm or more.



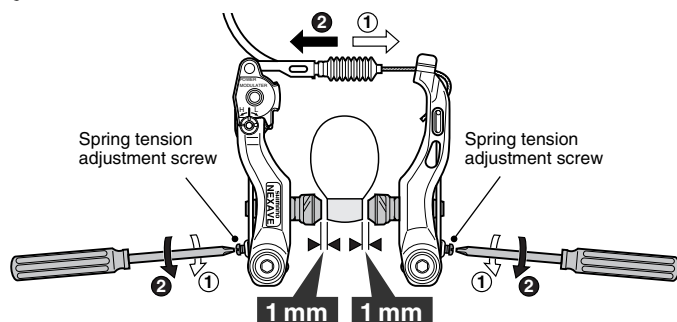
- While holding the shoe against the rim, tighten the shoe fixing nut.



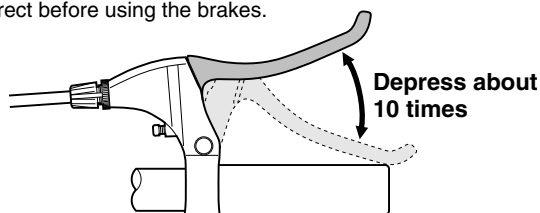
- Pass the inner cable through the inner cable lead, and after setting so that the total of the clearances between the left and right shoes and the rim is 2 mm, tighten the cable fixing bolt.



- 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.



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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