### General Safety Information

**CAUTION** - 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 owner's manual, and practice your riding and braking technique.

- The BL-R780 brake levers are equipped with a mode switching mechanism to make them compatible with V-BRAKE brakes, caliper brakes, 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 mode switching table.

### BR-R561 Caliper Brake

**Technical Service Instructions**

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

- **Brake lever**: ST-5700 / ST-5703, BL-R780<br>- **Caliper Brake**: BR-R561

**Installation of the brake cable**

1. **Installation to the handlebar**
   **< ST-5700 / 5703 >**
   - Move the bracket cover forward, and then securely tightening the mounting nut with a 5 mm Allen key.

2. **Installation of the brake cable**
   **< ST-5700 / 5703 >**
   - If the brake cables are too long, cut them to the appropriate length.
   - 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.
   - Make sure the cable connection is done with the correct orientation (as shown in the illustration).
   - Temporarily secure the outer casing to the handlebar (by using tape or similar material).

3. **Install the name plate**
   - Place the inner cable drum through as shown in the illustration, and then set the inner cable drum into the cable hook.

4. **Lever stroke adjustment**
   **< ST-5700/5703 >**
   - If you would like to make the lever stroke smaller, install the accessory pad spacer. Check the brake operation while adjusting.

5. **Centering of the brake shoe**
   - Make a minor adjustment by using the centering adjustment screw.

6. **Adjustment of the shoe clearance**
   - Turn the cable adjustment bolt to readjust the shoe clearance.

**Mode position**

<table>
<thead>
<tr>
<th>V position</th>
<th>Applicable brake</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caliper brakes</td>
<td>Cantilever brakes</td>
</tr>
<tr>
<td>V-BRAKE brakes</td>
<td></td>
</tr>
</tbody>
</table>

**C/R position**

- If the road surface is wet, the tires will skid more easily. If the tires skid, you may fall off the bicycle.
- The required braking distance will be longer during wet weather.
- Be careful not to allow any oil or grease to get onto the brake shoes. If any oil or grease do get on the shoe, you should replace the shoe, otherwise the braking performance provided will be much too strong.
- 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.

- The BR-R561 allows the angle of contact between the shoe surface and the rim surface to be adjusted. Adjusting the toe-in makes it possible to obtain smoother braking operation.

- The usual position during installation is shown in the illustration.

**Check**

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

**WARNING**

- Parts are not guaranteed against natural wear or deterioration resulting from normal use.
- Different brake shoes have their own characteristics. Ask the place of purchase when purchasing the brake shoes.
- Brakes designed for use as rear brakes should not be used as front brakes.
- If the nuts become loose and the brakes fall off, they may get caught up in the bicycle and the bicycle may fall over.
- If this is not done, the brakes may not work correctly.

**Note:**

- 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.

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

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