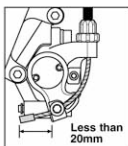


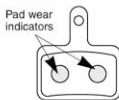
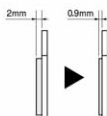
General Safety Information

⚠ WARNING

- Please use extra caution to keep your fingers away from the rotating disc brake rotor during installing or servicing the wheel. The rotor is sharp enough to inflict severe injury to your fingers if caught within the openings of moving rotor.
- Adjust the inner cable so that the protruding length is less than 20 mm (3/4 inch). If the protruding length is any longer, the end of the inner cable may become stuck in the rotor, which could cause the wheel to lock and the bicycle could fall forward causing serious injuries.
- The calipers and rotor will become hot when the brakes are operated, so do not touch them while riding or immediately after dismounting from the bicycle, otherwise you may get burned. Check that the brake components have cooled down sufficiently before attempting to adjust the brakes.
- Always make sure that the front and rear brakes are working correctly before you ride the bicycle.
- Before riding the bicycle, check that the pad thicknesses are 0.9 mm or more.



- If noise occurs when the brakes are operated, it may indicate that the brake pads have worn down to their usage limit. After checking that the brake system has cooled down sufficiently, check the brake pad thicknesses.
Replace the brake pads if the pad wear indicators are visible.
- Be careful not to allow any oil or grease to get onto the rotor and brake pads, otherwise the brakes may not work correctly.
- If any oil or grease do get on the pads, you should replace the pads. If any oil or grease gets on the rotor, you should clean the rotor. If this is not done, 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.
- 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.
- Check that the quick release lever is on the right side (the opposite side to the rotor). If the quick release lever is on the same side as the rotor, there is the danger that it may interfere with the rotor, so check that it does not interfere.
- 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 M515 disc brakes are designed for optimum performance when used in combination with the BR-M515/M515-LA (calipers), BL-M510/ST-M510 (brake lever), SM-RT61 (rotor) and Shimano pad unit (unmarked or M05). The brake lever used should be a two-finger lever for V-brakes, such as the BL-M510/ST-M510. If using in combination with 4-finger levers such as the BL-T400/ST-T400, the braking force will be higher. Accordingly, under some conditions such as certain riding positions or overall weight, the bicycle may fall over and injury may result if proper care is not taken.



- Do not use M08 brake pads in combination with the BR-M515/BR-M515-LA brake system. If M08 brake pads are used, the brake arm and caliper will touch before the pad wear indicator is noticed and a noise indicating that the pads need to be replaced is heard, and this will result in a gradual reduction in braking performance until ultimately the brakes stop working.
- Obtain and read the service instructions carefully prior to installing the parts. Loose, worn, or damaged parts may cause injury to the rider.
We strongly recommend only using genuine Shimano replacement parts.
- Read these Technical Service Instructions carefully, and keep them in a safe place for later reference.



⚠ CAUTION

- Disc brakes have a burn-in period, and the braking force will gradually increase as the burn-in period progresses. Make sure that you are aware of any such increases in braking force when using the brakes during the burn-in period. The same thing will happen when the brake pads or rotor are replaced.

Note

- Parts are not guaranteed against natural wear or deterioration resulting from normal use.
- For maximum performance we highly recommend Shimano lubricants and maintenance products.