(English)

UM-8M30B-001

User's Manual

INTER M Brake

https://si.shimano.com

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IMPORTANT NOTICE

- Contact the place of purchase or a distributor for information on installation, adjustment, and replacement of the products which are not found in the user's manual. A dealer's manual for professional and experienced bicycle mechanics is available on our website (https://si.shimano.com).

For safety, be sure to read this user's manual thoroughly before use, follow it for correct use, and store it so that it can be referenced at any time.

The following instructions must be observed at all times in order to prevent personal injury and physical damage to equipment and surroundings. The instructions are classified according to the degree of danger or damage which may occur if the product is used incorrectly.

DANGER	Failure to follow the instructions will result in death or serious injury.
WARNING	Failure to follow the instructions could result in death or serious injury.
CAUTION	Failure to follow the instructions could cause personal injury or physical damage to equipment and surroundings.

Important safety information

⚠ WARNING

- Because each bicycle may handle slightly differently depending on the model, be sure to learn the proper braking technique (including brake lever pressure and bicycle control characteristics) and operation of your bicycle. Improper use of your bicycle's brake system may result in a loss of control, which could lead to serious injury due to a fall or collision.
- Do not disassemble or modify the product. This may cause the product to not operate correctly, and you may suddenly fall and be seriously injured.
- It is necessary to use the brake caliper of the SHIMANO front INTER M brake and the hub as a set (excluding BR-C6050-F, BR-C6051-F, BR-C6060-F and BR-C6061-F). The hub of the SHIMANO front INTER M brake has a built-in power modulator. This system controls the braking force so that excessive force is not applied if the braking force reaches the specified value. If the hub is not equipped with a power modulator or the hub is equipped with a power modulator but the overall mass does not meet the recommended mass when the brake is used, applying the front brake too strongly may cause the front wheel to lock and the bicycle to fall forward, which can result in serious injury. Noise is generated by the operation of the power modulator when the brake is applied, but this is not a sign of a malfunction.
- The range of overall allowable mass (bicycle + rider + luggage) of the BR-C6050-F / BR-C6051-F / BR-C6060-F / BR-C6061-F with power modulator

Model name	Outer diameter of tire (mm)	Range of overall allowable mass (kg)
BR-C6050-F / BR-C6051-F	660 - 712	70 - 100
BR-C6060-F / BR-C6061-F	660 - 712	100 - 130

- Use the BR-C6050-F, BR-C6051-F, BR-C6060-F or BR-C6061-F with power modulator within its range of overall allowable mass. If the overall mass is out of the allowed range, the controlled braking force may be too strong or too weak.
- A wet road surface may cause tires to lose traction; therefore, to avoid this, reduce your speed and apply the brakes early and gently. If the tires lose traction, you may fall and be seriously injured.

⚠ CAUTION

- Do not continuously apply the brakes when riding down long slopes. For the SHIMANO INTER M brake system, this will cause the internal brake parts to become very hot, weakening braking performance, as well as causing a reduction in the amount of brake grease inside the brake, which can lead to noise being generated or problems such as abnormally sudden braking.

- If any of the following occur while using the brakes, stop riding immediately and ask the place of purchase to carry out inspection and repairs.

  (1) An abnormal noise is heard when the brakes are applied.

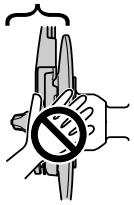
  (2) The braking performance is abnormally strong.

  (3) The braking performance is abnormally weak.

  If (1) and (2) occur, the cause might be a lack of brake grease, so ask the place of purchase to grease the mechanism with special roller brake grease.

  If (2) and (3) occur when using BR-C6050-F, BR-C6051-F, BR-C6060-F or BR-C6061-F, the power modulator may be malfunctioning. Have it inspected/repaired at the place of purchase.
- Do not touch the area around the brake for at least 30 minutes after riding the bicycle. If the brake is used frequently, the area around the brake may become hot.

  Area around the brake

  
- Check the brake cable for rust. If the brake cable becomes rusty, braking performance will suffer. If this happens, replace the brake cable with a genuine SHIMANO brake cable and re-check braking performance.
- The front brake unit and front hub unit should never be disassembled. If it is disassembled, it may no longer work properly.

Notice

- If you apply the front INTER M brake strongly while the bicycle is stopped then shake the wheel, you will notice that there is a small amount of play in the brakes. This is normal, and will not cause any problems at all while riding.
- Products are not guaranteed against natural wear and deterioration from normal use and aging.
- For maximum performance we highly recommend SHIMANO lubricants and maintenance products.

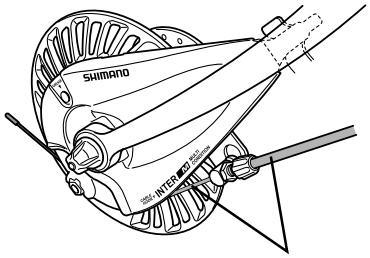
Regular inspections before riding the bicycle

Before riding the bicycle, check the following items. If any problems are found, consult your place of purchase or a distributor.

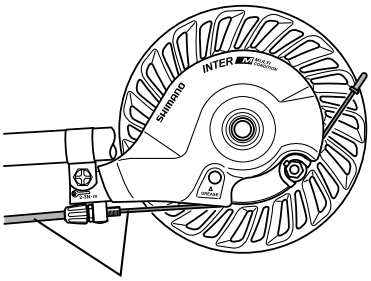
- Do the front and rear brakes work correctly?
- Are there any abnormal noises?
- Is the braking performance abnormally strong?
- Is the braking performance abnormally weak?
- Does the brake cable have any rust?

Names of parts

Front



Rear



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