**General Safety Information**

**WARNING**  
- To avoid serious injuries:
  Obtain and read the service instructions carefully prior to installing the parts. Loose, worn, or damaged parts may cause serious injury to the rider. We strongly recommend only using genuine Shimano replacement parts.

**CAUTION**  
- To avoid serious injuries:
  The hub dynamo generates an extremely high voltage. Never touch the connection terminal of the hub dynamo directly while riding the bicycle or while the wheel is spinning. Touching the dynamo terminal may cause an electric shock.

**NOTE:**
- Be sure to read these Service Instructions together with the Service Instructions for the disc brake system.
- Check the degree of parallel of the front fork end. If the front fork end is severely out of parallel, deformation of the hub axle may cause noise from an obstruction inside the hub dynamo to be generated.
- Install the hub dynamo to the front fork so that the connection terminal is facing upward. Do not force the connection terminal to turn after the quick release lever has been secured.
- Use a 6 V/2.4 W bulb for the front light and a 6 V/0.6 W bulb for the taillight.
- Check the degree of parallel of the front fork end. If the front fork end is severely out of parallel, deformation of the hub axle may cause noise from an obstruction inside the hub dynamo to be generated.
- Install the hub dynamo to the front fork so that the connection terminal is facing upward. Do not force the connection terminal to turn after the quick release lever has been secured.
- Use a 6 V/2.4 W bulb for the front light and a 6 V/0.6 W bulb for the taillight.
- Do not disassemble the internal hub mechanism.
- The hub dynamo will cause the turning of the wheel to become slightly heavier because of the magnet inside the hub.

**Technical Service Instructions**

**Installation of the rotor**

1. Install the rotor and the tightening plate, and then provisionally tighten the rotor fixing bolts as shown in Fig. 1.

2. While wearing gloves, apply a force to the rotor to turn it in a clockwise direction as shown in Fig. 2. While doing this, tighten the rotor fixing bolts in the order shown in the illustration.

   **Tightening torque:**  
   2 – 4 Nm (17 – 35 in. lbs.)

3. Use a flat-tipped screwdriver or similar tool to bend the edges of the tightening plate over the heads of the bolts as shown in Fig. 3.

**Connection of the cables**

- Do not switch over the frame cable and the light cable by mistake. If the cables are connected incorrectly, the light will not illuminate.
- Twist the cable wires before connecting them so that they stay together.
- Recommended wire specifications:
  - Type: Standard
  - Wire: 22 AWG 2.2 Diameter approx. 0.6 mm
  - Insulation: Diameter 1.8 – 2 mm

**NOTE:**
- Set so that it faces the right way.
- Press in until you hear a click.
- Do not switch over the frame cable and the light cable by mistake. If the cables are connected incorrectly, the light will not illuminate.
- Twist the cable wires before connecting them so that they stay together.
- Recommended wire specifications:
  - Type: Standard
  - Wire: 22 AWG 2.2 Diameter approx. 0.6 mm
  - Insulation: Diameter 1.8 – 2 mm

**Checking the light illumination**

- Rotate the front wheel and check that the light illuminates.

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)