

Dealer's Manual

Front light

LP-C2100

LP-C2101

LP-C2111

LP-X101

(6V-0.9W specification)

LP-X102

(6V-0.9W specification)

IMPORTANT NOTICE

- **This dealer's manual is intended primarily for use by professional bicycle mechanics.**

Users who are not professionally trained for bicycle assembly should not attempt to install the components themselves using the dealer's manuals.

If any part of the information on the manual is unclear to you, do not proceed with the installation. Instead, contact your place of purchase or a local bicycle dealer for their assistance.

- Make sure to read all instruction manuals included with the product.
- Do not disassemble or modify the product other than as stated in the information contained in this dealer's manual.
- All dealer's manuals and instruction manuals can be viewed on-line on our website (<http://si.shimano.com>).
- Please observe the appropriate rules and regulations of the country, state or region in which you conduct your business as a dealer.

For safety, be sure to read this dealer's manual thoroughly before use, and follow it for correct use.

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.



Failure to follow the instructions will result in death or serious injury.



Failure to follow the instructions could result in death or serious injury.



Failure to follow the instructions could cause personal injury or physical damage to equipment and surroundings.

TO ENSURE SAFETY

WARNING

- **When installing components, be sure to follow the instructions that are given in the instruction manuals.**

It is recommended to use genuine Shimano parts only. If parts such as bolts and nuts become loose or damaged, the bicycle may suddenly fall over, which may cause serious injury.

In addition, if adjustments are not carried out correctly, problems may occur, and the bicycle may suddenly fall over, which may cause serious injury.

-  Be sure to wear safety glasses or goggles to protect your eyes while performing maintenance tasks such as replacing parts.
- After reading the dealer's manual thoroughly, keep it in a safe place for later reference.

CAUTION

- A hub dynamo will provide higher power generation capacity. When riding or rotating the wheels, never touch the connection terminals of the hub dynamo. If this is not observed, you could receive an electric shock.

Be sure to also inform users of the following:

- Check that the front light is on during night riding.

NOTE

Be sure to also inform users of the following:

- Connect and use a hub dynamo that is compatible with the light.
- Check that the hub dynamo connection terminal is securely connected before using the hub dynamo.
- Lighting may flicker at speeds between 4 and 10 km/h.
- The front light is always turned on when riding.
- The light bulb for the LED-equipped front and tail light cannot be replaced; replace the device.
- This product supports only a 6V, 0.9W hub dynamo. Use a 0.9W Shimano hub dynamo.
- Make sure that the front light does not dazzle oncoming persons.
- The sensor-equipped LED light automatically lights up depending on the ambient light intensity detected by the illumination sensor receiver.
If it lights up earlier than it should, clean the illumination sensor receiver.
- The illumination sensor of the LED light works at a speed of approximately 4 km/h or higher, it does not light up at lower speeds, such as shortly after the bicycle starts to travel.

For Installation to the Bicycle, and Maintenance:

- Also read the manual for the hub dynamo.
- 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.

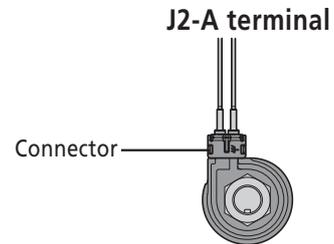
The actual product may differ from the illustration because this manual is intended mainly to explain the procedures for using the product.

INSTALLATION

- These lights adhere to Japanese Industrial Standards (JIS) when used within the system.

Light

6V - 0.9W hub dynamos with the J2-A terminal, such as DH-C2100, are supported.



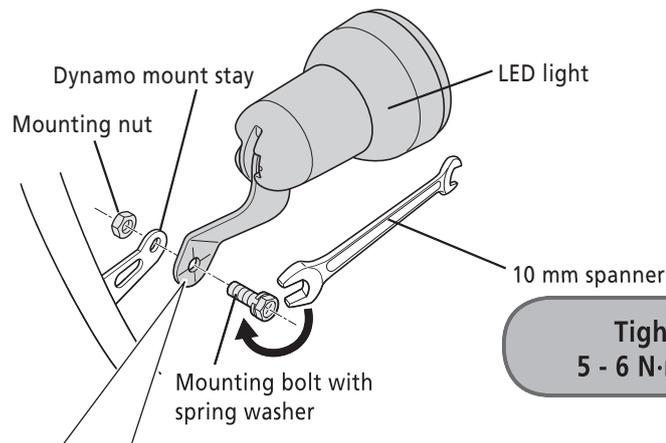
List of tools to be used

Where to use	Tool
Front light	10 mm spanner, Screwdriver #2

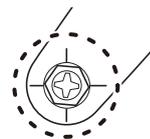
Installing the front light

Light stay type

Install the LED light to the dynamo mount stay for the front fork as shown in the illustration below.



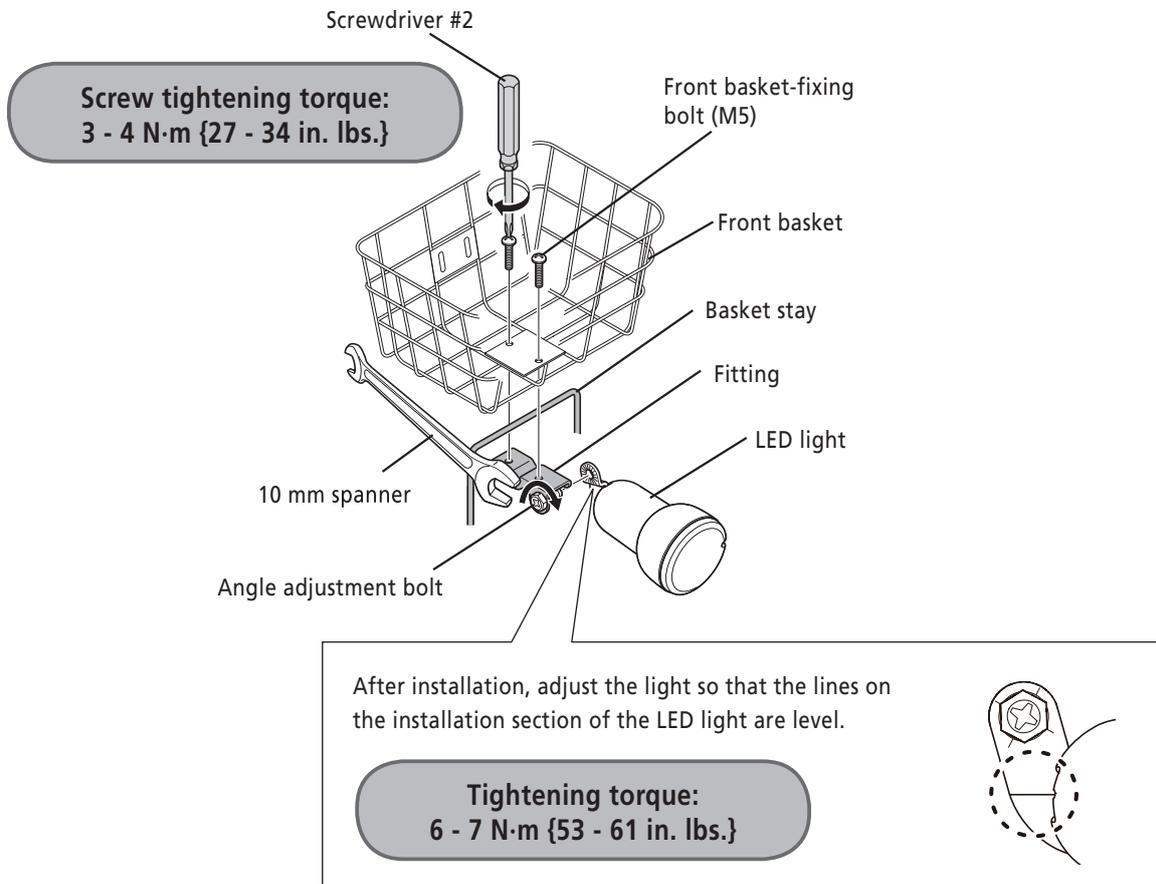
When installing, make sure that the lines on the installation section of the LED light are perpendicular.
* Not compatible with LP-X101/LP-X102



Under basket mount type

Install the LED light in the order shown in the illustration below.

At that time, install the LED light so that the light does not shift between the basket stay and the front basket.



Note:

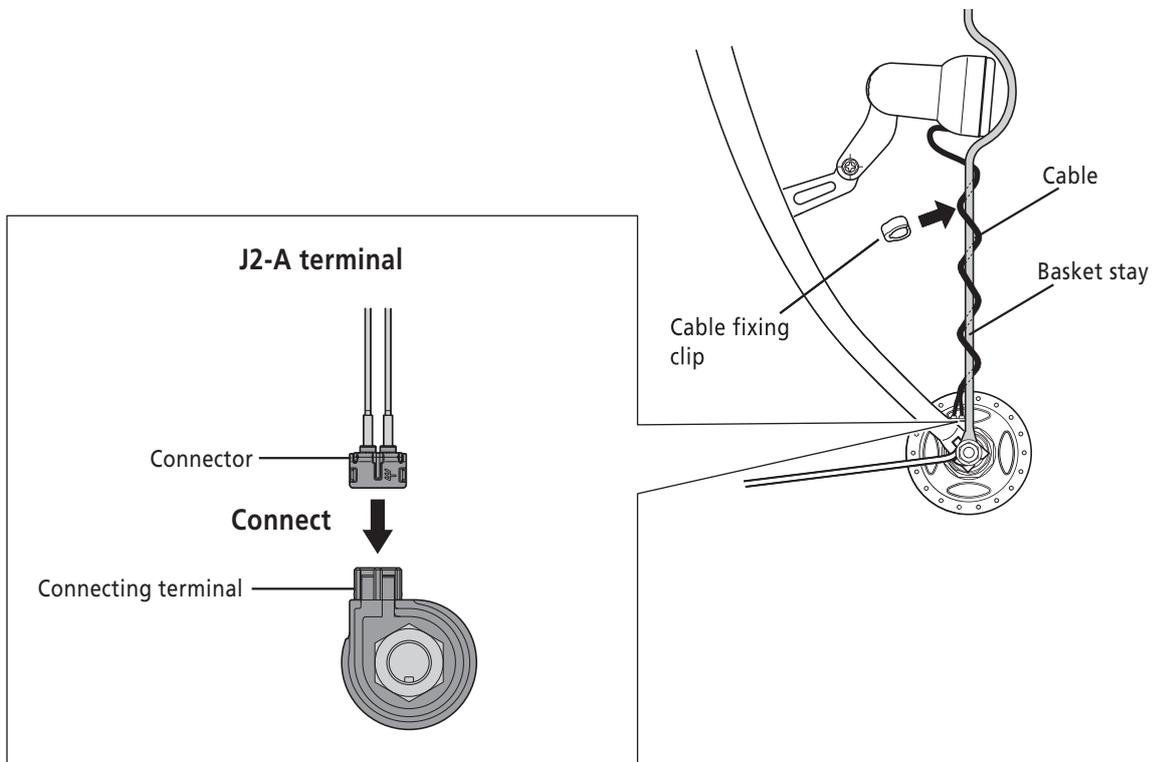
The cable and tire may come into close proximity.

When installing, ensure that there is sufficient distance from the tire.

■ Connecting the hub dynamo

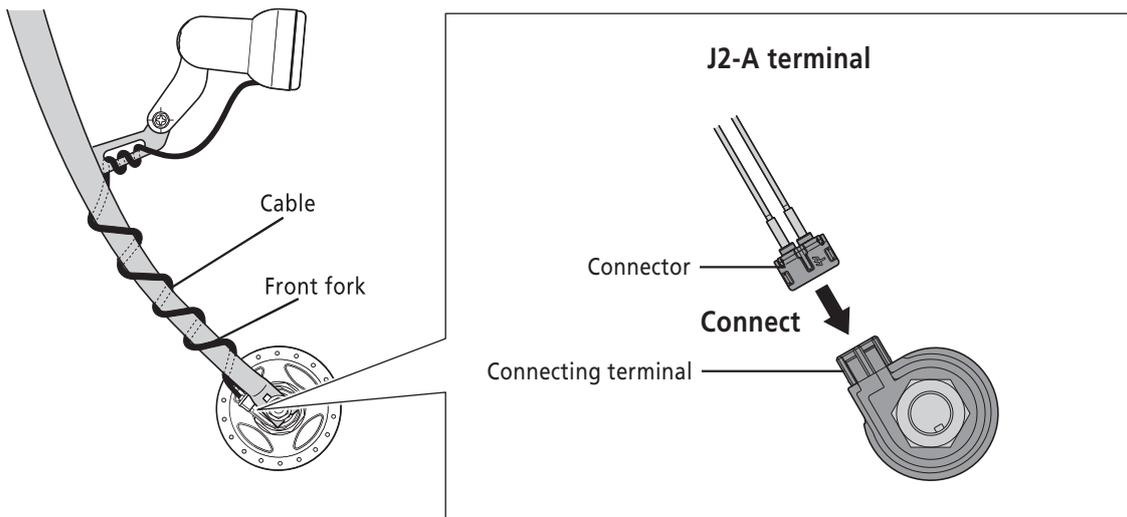
In the case of a basket stay is supplied

Wind the LED light cable around the basket stay, and attach the connector to the connecting terminal for the hub dynamo.



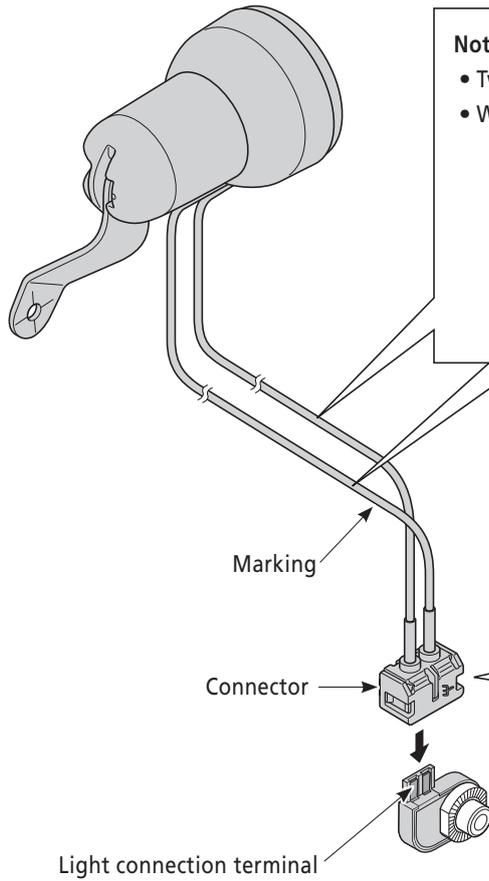
In the case of a basket stay is not supplied

Wind the LED light cable around the front fork, and attach the connector to the connecting terminal for the hub dynamo.



If the cable loosens, fix it with a zip tie.

■ Connecting the cable and the connector



Hub dynamo connection terminal

Note:

- Twist the cable wires before connecting them so that they stay together.
- Wire specifications

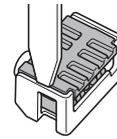


Wire	Size (AWG) 22 Diameter approx. 0.8 mm
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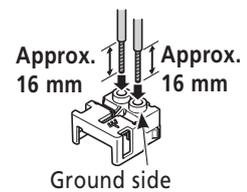
Note:

If you wish to replace the connector or change the length of the cable, perform the following procedure.

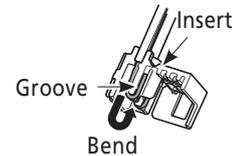
- Open the connector using a slotted screwdriver or the like as shown in the figure.



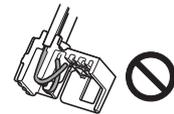
- Insert the cable with the marking into the ground side of the connector.



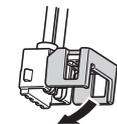
- Twist the cable wires, pass them through the connector, bend them, and run them along the grooves.



- Do not allow the cable wires to touch each other.



- Close the connector until you hear a click.



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

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