

# PIAA

## Motorcycle Headlamp LED Bulb (H4 Type) Instruction Manual

Thank you for purchasing this PIAA product.

Please read this Instruction Manual carefully to ensure you use the product correctly.

Please keep this Instruction Manual in a safe place so that you do not lose it.

**Make sure to check the information in the PIAA Vehicle Model Compatibility Table by product before installing the product.**

**Requests to Installation Garages**

..... Have the customer confirm the following items of the Instruction Manual before carrying out any work. After installing the product, make sure to give this Instruction Manual to the customer.

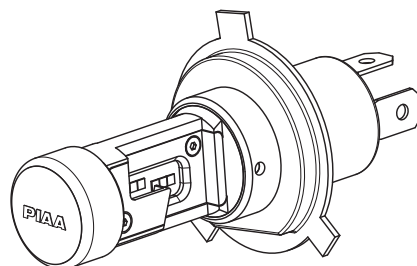
**Requests to Customers**

..... Keep this Instruction Manual and your proof of purchase (a receipt that contains the product number) safe. If you are unable to present your proof of purchase, you will not be able to receive the warranty replacement.  
If you lend or give this product to someone, make sure to also give them this Instruction Manual.

<p>※ The <b>⚠ WARNING</b> and <b>⚠ CAUTION</b> symbols used in this document are important precautions regarding the installation of the product. Always follow these precautions to ensure work is carried out safely and reliably.</p>	<p><b>⚠ WARNING</b> Items that may cause physical harm when the product is used incorrectly.</p>
	<p><b>⚠ CAUTION</b> Items that may cause damage to or failure of an object when the product is used incorrectly.</p>

**Contents**

- ① LED Bulb (H4 type) 【1 piece】



**About Replacing the Bulb**

Read this before starting the work.

**⚠ WARNING**

- Before replacing the LED bulb, make sure to turn off the power supply and disconnect the ⊖ terminal of the battery before carrying out any work. Failure to do so may cause electric shock, injury, or a fire. Make sure to wear rubber gloves, etc. when carrying out the work.
- Carry out LED bulb replacement work on a safe, level surface with adequate space. Furthermore, stop the vehicle engine, remove the ignition key, and secure the vehicle so that it does not fall over.

## CAUTION

- Even some bulb types that can be installed to your vehicle may not be compatible due to interfering with the bulb insertion slot of the light unit, so make sure to check the information on the compatibility of each PIAA vehicle model.
- Before installing the LED bulb, check whether there is any damage or scratches and whether there are any marks from it being dropped. Damage or scratches may result in the LED bulb failing to light up.
- When installing the LED bulb, make sure to properly connect the connector and install the plastic or rubber cover.
- The optical axis may deviate due to replacing the bulb, so after replacing the bulb, check that it lights and adjust the optical axis.
- Never touch the light-emitting part of the product. Make sure that no dirt such as oil affixes to the product. If the product is lit with dirt affixed to it, this may cause a fault in the lighting of the product.
- Never turn on the power supply with the LED bulb and vehicle connector not connected.
- Never allow water to splash on the light-emitting part of the product. If the product is lit with water on it, it may cause a fault in the lighting of the product. In the unlikely event water gets on the product, thoroughly dry the product before using it.
- Keep the replaced bulbs safe so as not to lose them.
- Check the product and the cap shape of the lamp and confirm the orientation before installing properly.
- When attaching/detaching the connector or terminal, hold the connector terminal and attach/detach while holding it straight.  
Applying excessive force to the terminal may cause the terminal to bend or damage such as the connector melting from excessive heat due to a contact defect.
- Be careful not to apply strong force to the light-emitting part of the product. Doing so could cause the light-emitting part to come off and a fault in the product not lighting up, so handle the product carefully when carrying out any work.

## PRECAUTIONS

## WARNING

- Do not touch the LED bulb while it is lit or has just been lit because it is extremely hot. Doing so could cause a burns injury.
- Do not stare at the lamp for a long period of time while it is lit. Doing so may hurt your eyes or cause a problem with your eyesight.
- Do not disassemble or modify the product. Doing so may cause a fire, an injury, or a failure.
- If you sense abnormal vibrations or strange sounds while driving, immediately stop the vehicle in a safe place and inspect the vehicle.
- Do not leave the product within the reach of infants. Doing so may result in an infant ingesting the product or injuring themselves by breaking it.
- When the lamp is lit, the lens surface is extremely hot, so do not wash your vehicle when the lamp is lit or immediately after turned it off.

 **CAUTION**

- This product is intended for use with motorcycle H4 headlamps only. Do not use it with applications other than motorcycles.
- Be sure to check the bulb type before use. Do not install or use this product for a different bulb type.
- Please be aware that genuine parts may need to be modified before installing the product.
- The light color of this product is within the scope of Japanese automobile safety inspections, but some automobile safety inspection centers do not have inspection equipment so rely on an automobile safety inspection inspector to make a visual judgment. Consequently, in some cases, the product may not necessarily pass the automobile safety inspection. In such circumstances, replace the product with the original bulb.
- In some vehicles (including imported vehicles), phenomena unique to LED products may occur such as the bulb burn-out warning light may light up or the bulb lights up abnormally. To detect the bulb burn-out, etc., a small amount of current flows from the vehicle even when the switch is turned off, and so when the genuine bulb is replaced with an LED bulb, the LED bulb may light slightly.  
Be aware, however, that this is not a product defect.  
(The current value for consumption due to lighting up at this time is very small, and as it is the same as the current value of the clock, to which a current flows at all times, the battery will not go flat quickly.)
- LEDs illuminate differently to HID and halogen bulbs, so they may appear to illuminate a different color to the human eye even when they are the same color temperature. The color of the light may change depending on the lighting fixture.  
(Even if you install a different bulb of the same color temperature in the headlamps and fog lamps, they may appear to be a different color.)
- Turn the product ON after turning the engine ON and it is running. (The product may not light up when the engine is OFF, but it will light up normally when the engine is ON.)
- When using the product in vehicles with an Idling Stop System or vehicles with a weak battery, the product may momentarily fail to light or flicker when starting up the engine.
- When using the product for lights that have degraded over time, the product may fail to display its original performance and fail the automobile safety inspection. In such circumstances, replace the product with the original bulb.
- This product cannot be installed in vehicles with no battery, or in vehicles such as minibikes with limited power generation capability.
- Turning ON the product with the engine OFF may cause a flat battery, and the engine may not start.
- Please be aware that we are not responsible for any defects relating to the life of the product if used under harsh conditions that exceed standards, such as track racing motorcycles and motorcycles for commercial use.
- Please be aware that although the lens may become cloudy when it rains or when the car is washed and condensation may form inside the lens due to the temperature difference between the outside air and the lamp, such phenomena are not an issue in terms of the product's functionality.
- Do not lit the product continuously when the vehicle is stopped for long time.
- Please be aware that although noise may disrupt the radio, etc., when this product is turned on, this is not a malfunction of the product.

## 【1】 How to Replace

※ When installing the product, it may be easier to remove the headlamp and front cowl, etc., depending on the model, and therefore these parts should be removed as necessary.

- (1) Disconnect the battery ⊖ terminal, and remove the genuine bulb from the location where the product is to be installed.
- (2) Install and fix the LED bulb (part ①) by following the procedure to remove the genuine bulb removed in step (1) in the reverse order.
- (3) Put back the parts that were removed or disconnected in step (1) (genuine rubber cap, vehicle-side connector, and battery ⊖ terminal, etc.)
- (4) Check that the light is lit, and check if the optical axis is pointing upward or tilting too far down. If the optical axis is not in the correct position, adjust the optical axis.

# PIAA

## Motorcycle Headlamp LED Bulb (H7 Type) Instruction Manual

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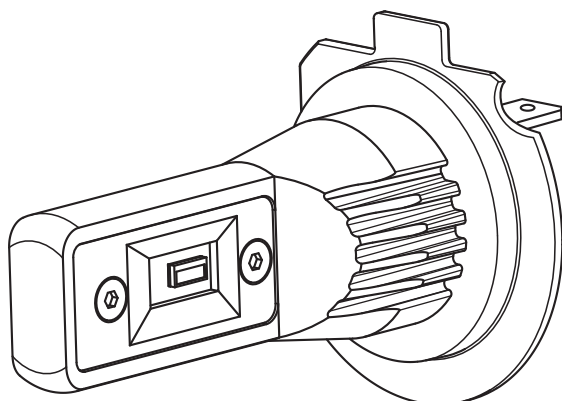
※ The **⚠ WARNING** and **⚠ CAUTION** symbols used in this document are important precautions regarding the installation of the product.  
Always follow these precautions to ensure work is carried out safely and reliably.

**⚠ WARNING** Items that may cause physical harm when the product is used incorrectly.

**⚠ CAUTION** Items that may cause damage to or failure of an object when the product is used incorrectly.

### Contents

- ① LED Bulb (H7 type) 【1 piece】



## About Replacing the Bulb

Read this before starting the work.

### WARNING

- Before replacing the LED bulb, make sure to turn off the power supply and disconnect the ⊖ terminal of the battery before carrying out any work. Failure to do so may cause electric shock, injury, or a fire. Make sure to wear rubber gloves, etc. when carrying out the work.
- Carry out LED bulb replacement work on a safe, level surface with adequate space. Furthermore, stop the vehicle engine, remove the ignition key, and secure the vehicle so that it does not fall over.

### CAUTION

- Even some bulb types that can be installed to your vehicle may not be compatible due to interfering with the bulb insertion slot of the light unit, so make sure to check the information on the compatibility of each PIAA vehicle model.
- Before installing the LED bulb, check whether there is any damage or scratches and whether there are any marks from it being dropped. Damage or scratches may result in the LED bulb failing to light up.
- When installing the LED bulb, make sure to properly connect the connector and install the plastic or rubber cover.
- The optical axis may deviate due to replacing the bulb, so after replacing the bulb, check that it lights and adjust the optical axis.
- Never touch the light-emitting part of the product. Make sure that no dirt such as oil affixes to the product. If the product is lit with dirt affixed to it, this may cause a fault in the lighting of the product.
- Never turn on the power supply with the LED bulb and vehicle connector not connected.
- Never allow water to splash on the light-emitting part of the product. If the product is lit with water on it, it may cause a fault in the lighting of the product. In the unlikely event water gets on the product, thoroughly dry the product before using it.
- Keep the replaced bulbs safe so as not to lose them.
- Check the product and the cap shape of the lamp and confirm the orientation before installing properly.
- When attaching/detaching the connector or terminal, hold the connector terminal and attach/detach while holding it straight.  
Applying excessive force to the terminal may cause the terminal to bend or damage such as the connector melting from excessive heat due to a contact defect.
- Be careful not to apply strong force to the light-emitting part of the product. Doing so could cause the light-emitting part to come off and a fault in the product not lighting up, so handle the product carefully when carrying out any work.

## PRECAUTIONS

### WARNING

- Do not touch the LED bulb while it is lit or has just been lit because it is extremely hot. Doing so could cause a burns injury.
- Do not stare at the lamp for a long period of time while it is lit. Doing so may hurt your eyes or cause a problem with your eyesight.
- Do not disassemble or modify the product. Doing so may cause a fire, an injury, or a failure.
- If you sense abnormal vibrations or strange sounds while driving, immediately stop the vehicle in a safe place and inspect the vehicle.
- Do not leave the product within the reach of infants. Doing so may result in an infant ingesting the product or injuring themselves by breaking it.
- When the lamp is lit, the lens surface is extremely hot, so do not wash your vehicle when the lamp is lit or immediately after turned it off.

### CAUTION

- This product is intended for use with motorcycle H7 headlamps only. Do not use it with applications other than motorcycles.
- This product is intended for use with motorcycle headlamps (low beam/high beam) only. Be sure to check the bulb type before use. Do not install or use this product for a different bulb type (other than H7 bulb).
- Please be aware that genuine parts may need to be modified before installing the product.
- The light color of this product is within the scope of Japanese automobile safety inspections, but some automobile safety inspection centers do not have inspection equipment so rely on an automobile safety inspection inspector to make a visual judgment. Consequently, in some cases, the product may not necessarily pass the automobile safety inspection. In such circumstances, replace the product with the original bulb.
- In some vehicles (including imported vehicles), phenomena unique to LED products may occur such as the bulb burn-out warning light may light up or the bulb lights up abnormally. To detect the bulb burn-out, etc., a small amount of current flows from the vehicle even when the switch is turned off, and so when the genuine bulb is replaced with an LED bulb, the LED bulb may light slightly.  
Be aware, however, that this is not a product defect.  
(The current value for consumption due to lighting up at this time is very small, and as it is the same as the current value of the clock, to which a current flows at all times, the battery will not go flat quickly.)
- LEDs illuminate differently to HID and halogen bulbs, so they may appear to illuminate a different color to the human eye even when they are the same color temperature. The color of the light may change depending on the lighting fixture.  
(Even if you install a different bulb of the same color temperature in the headlamps and fog lamps, they may appear to be a different color.)
- Turn the product ON after turning the engine ON and it is running. (The product may not light up when the engine is OFF, but it will light up normally when the engine is ON.)
- When using the product in vehicles with an Idling Stop System or vehicles with a weak battery, the product may momentarily fail to light or flicker when starting up the engine.

 **CAUTION**

- When using the product for lights that have degraded over time, the product may fail to display its original performance and fail the automobile safety inspection. In such circumstances, replace the product with the original bulb.
- This product cannot be installed in vehicles with no battery, or in vehicles such as minibikes with limited power generation capability.
- Turning ON the product with the engine OFF may cause a flat battery, and the engine may not start.
- Please be aware that we are not responsible for any defects relating to the life of the product if used under harsh conditions that exceed standards, such as track racing motorcycles and motorcycles for commercial use.
- Please be aware that although the lens may become cloudy when it rains or when the car is washed and condensation may form inside the lens due to the temperature difference between the outside air and the lamp, such phenomena are not an issue in terms of the product's functionality.
- Do not lit the product continuously when the vehicle is stopped for long time.
- Please be aware that although noise may disrupt the radio, etc., when this product is turned on, this is not a malfunction of the product.



# 【1】 How to Replace

※ When installing the product, it may be easier to remove the headlamp and front cowl, etc., depending on the model, and therefore these parts should be removed as necessary.

- (1) Disconnect the battery ⊖ terminal, and remove the genuine bulb from the location where the product is to be installed. When doing so, check the direction in which the genuine bulb was installed.
- (2) Install the LED bulb to the headlamp unit. Install so that the light-emitting part of the LED bulb faces straight to the reflector or projector as shown in the figure below.

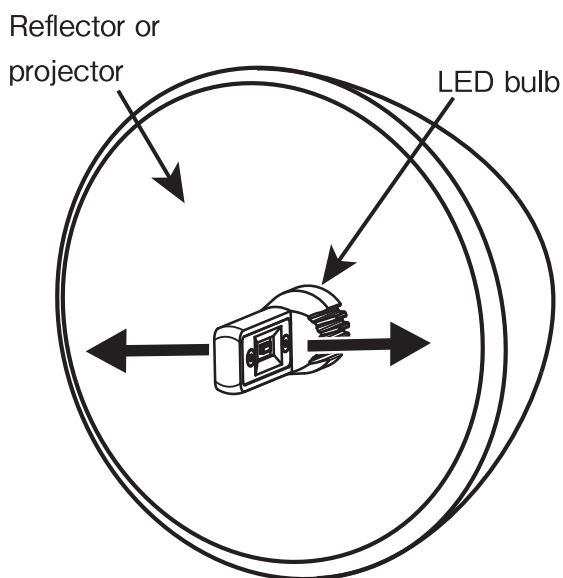


Figure Viewed From the Front

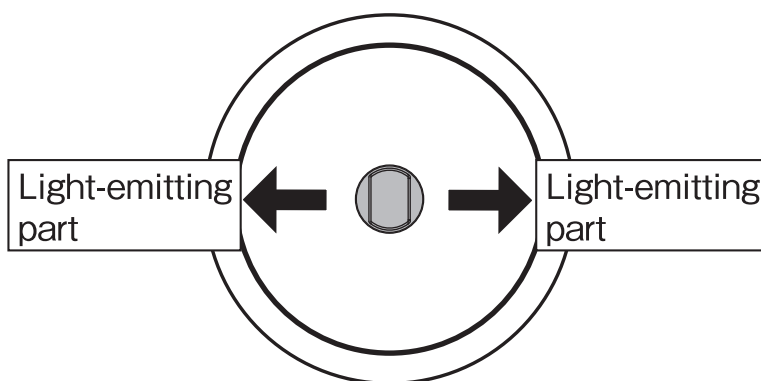
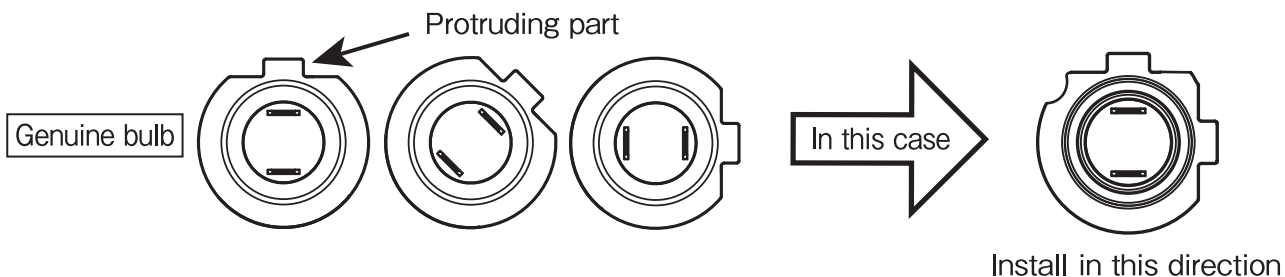
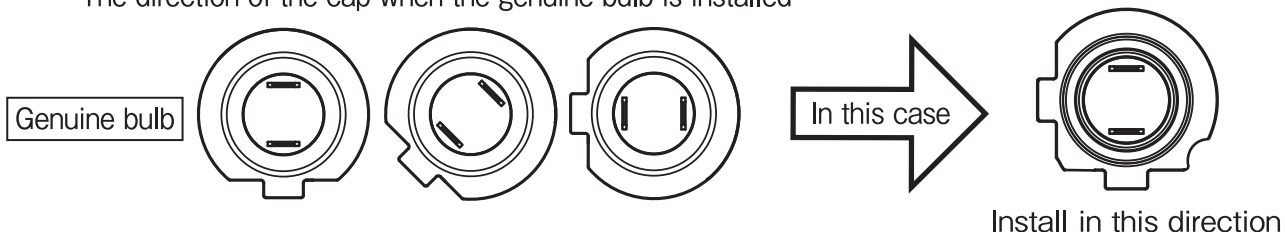


Figure viewed from the rear

The direction of the cap when the genuine bulb is installed



The direction of the cap when the genuine bulb is installed



- (3) Reconnect the vehicle-side connector and  $\ominus$  terminal of the battery that were disconnected in step (1).
- (4) Check that the light is lit, and check if the optical axis is pointing upward or tilting too far down. If the optical axis is not in the correct position, adjust the optical axis.

# PIAA

## Motorcycle Headlamp LED Bulb (H9 / H11 Type) Instruction Manual

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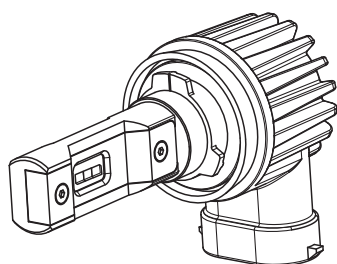
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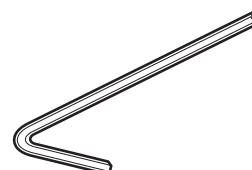
**⚠ CAUTION** Items that may cause damage to or failure of an object when the product is used incorrectly.

### Contents

① LED Bulb  
 (H9 / H11 type) **【1 piece】**



② Hex wrench **【1 piece】**



## About Replacing the Bulb

Read this before starting the work.

### WARNING

- Before replacing the LED bulb, make sure to turn off the power supply and disconnect the ⊖ terminal of the battery before carrying out any work. Failure to do so may cause electric shock, injury, or a fire.  
Make sure to wear rubber gloves, etc. when carrying out the work.
- Carry out LED bulb replacement work on a safe, level surface with adequate space. Furthermore, stop the vehicle engine, remove the ignition key, and secure the vehicle so that it does not fall over.

### CAUTION

- Even some bulb types that can be installed to your vehicle may not be compatible due to interfering with the bulb insertion slot of the light unit, so make sure to check the information on the compatibility of each PIAA vehicle model.
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- Never turn on the power supply with the LED bulb and vehicle connector not connected.
- Never allow water to splash on the light-emitting part of the product. If the product is lit with water on it, it may cause a fault in the lighting of the product. In the unlikely event water gets on the product, thoroughly dry the product before using it.
- Keep the replaced bulbs safe so as not to lose them.
- Check the product and the cap shape of the lamp and confirm the orientation before installing properly.
- When attaching/detaching the connector or terminal, hold the connector terminal and attach/detach while holding it straight.  
Applying excessive force to the terminal may cause the terminal to bend or damage such as the connector melting from excessive heat due to a contact defect.
- Be careful not to apply strong force to the light-emitting part of the product. Doing so could cause the light-emitting part to come off and a fault in the product not lighting up, so handle the product carefully when carrying out any work.

## PRECAUTIONS

### WARNING

- Do not touch the LED bulb while it is lit or has just been lit because it is extremely hot. Doing so could cause a burns injury.
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- Do not disassemble or modify the product. Doing so may cause a fire, an injury, or a failure.
- If you sense abnormal vibrations or strange sounds while driving, immediately stop the vehicle in a safe place and inspect the vehicle.
- Do not leave the product within the reach of infants. Doing so may result in an infant ingesting the product or injuring themselves by breaking it.
- When the lamp is lit, the lens surface is extremely hot, so do not wash your vehicle when the lamp is lit or immediately after turned it off.

### CAUTION

- This product is intended for use with motorcycle H9 / H11 headlamps only. Do not use it with applications other than motorcycles.
- This product is intended for use with motorcycle headlamps (low beam/high beam) only. Be sure to check the bulb type before use. Do not install or use this product for a different bulb type. (other than H9 / H11 bulb).
- Please be aware that genuine parts may need to be modified before installing the product.
- The light color of this product is within the scope of Japanese automobile safety inspections, but some automobile safety inspection centers do not have inspection equipment so rely on an automobile safety inspection inspector to make a visual judgment. Consequently, in some cases, the product may not necessarily pass the automobile safety inspection. In such circumstances, replace the product with the original bulb.
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Be aware, however, that this is not a product defect.  
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 **CAUTION**

- When using the product in vehicles with an Idling Stop System or vehicles with a weak battery, the product may momentarily fail to light or flicker when starting up the engine.
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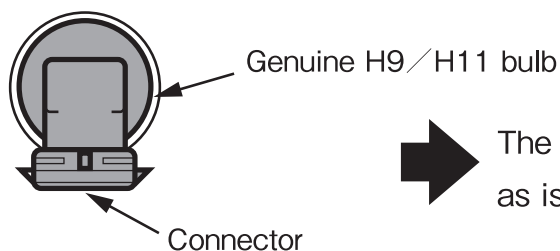
# [1] How to Replace

※ When installing the product, it may be easier to remove the headlamp and front cowl, etc., depending on the model, and therefore these parts should be removed as necessary.

- (1) Disconnect the battery ⊖ terminal, and remove the genuine bulb from the location where the product is to be installed. When doing so, check the direction in which the genuine bulb was installed.
- (2) Check the direction in which the genuine H9/H11 bulb was installed in the following diagram, and if the connector is not pointing down, adjust the position of the shaft light-emitting part.

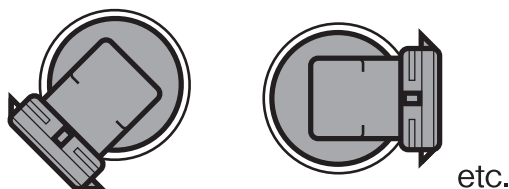
## View of H9/H11 bulb from rear

### If connector pointing straight down



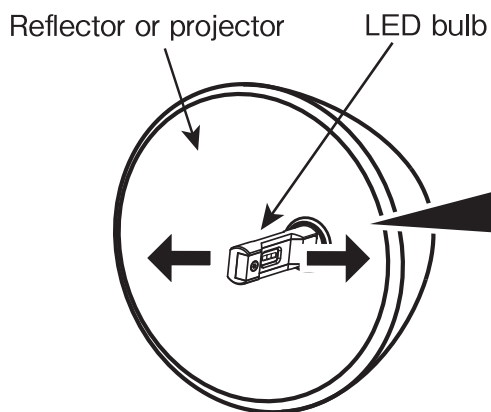
➡ The LED bulb is installed in the lightning fitting as is. Proceed to step (3) on page 7.

### If connector not pointing straight down

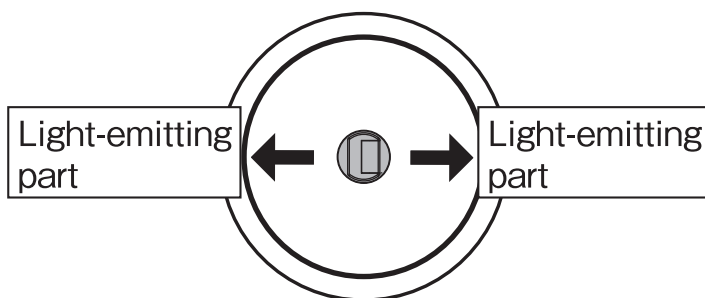


➡ It is necessary to adjust the position of the light-emitting part. Adjust as described below.

When the LED bulb has been installed in the lighting unit, adjust the position of the light-emitting part of the bulb so that it is pointing in the direction shown in the following diagram.

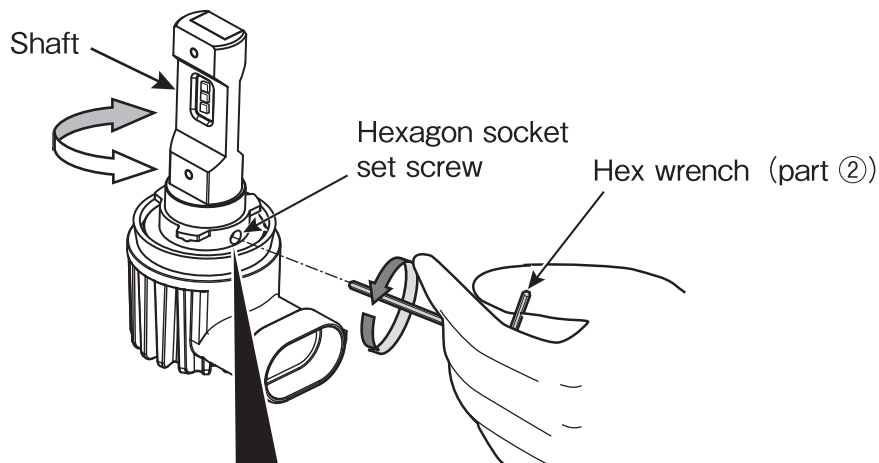


### Figure Viewed From the Front



## ■ How to Adjust the Position of the Light-Emitting Part

Loosen the hexagon socket set screw (1 place) at the position shown in the figure of the LED bulb by between half and a full turn with the included hex wrench (part ②) and adjust by rotating the shaft part, and then tighten the hexagon socket set screw to fix the shaft in place.



Loosening half a turn to a full turn will enable the shaft to move.

### ⚠ CAUTION

- Loosening the hexagon socket set screw too much will cause it to come off, so do not loosen it any more than one and a half turns.
- When fixing in place, if you tighten the hexagon socket set screw too much, the hexagon socket set screw and LED bulb may become damaged, so tighten while holding the short end of the hex wrench.
- As shown in the figure below, do not pull out the shaft or rotate it beyond its range of motion. Doing so may cause the harness inside the shaft to become disconnected and the bulb will fail to light.

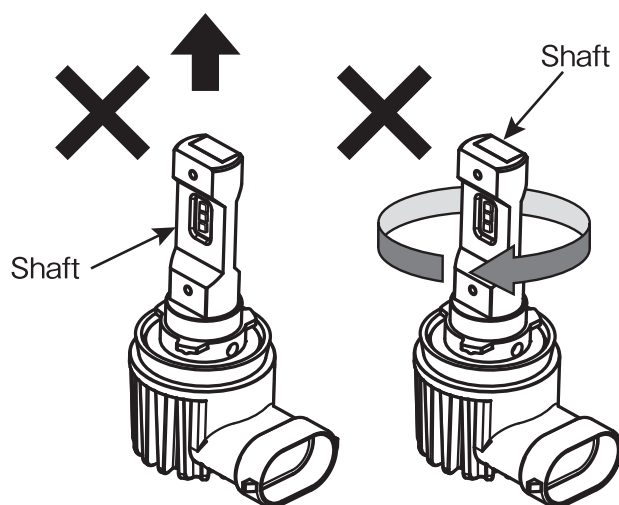
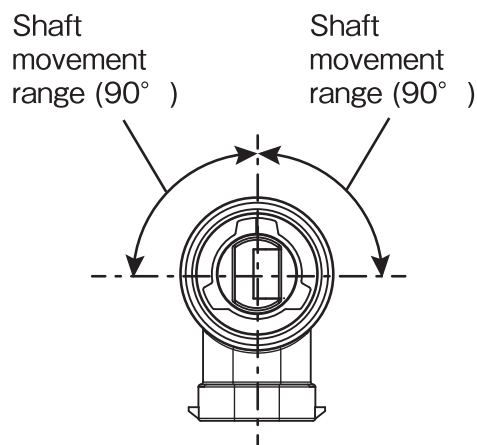


Figure Viewed From Directly Above





- (3) Install the LED bulb in the lighting unit using the opposite procedure to that used to remove the bulb at step (1).
- (4) Reconnect the vehicle-side connector and  $\ominus$  terminal of the battery that were disconnected in step (1).
- (5) Check that the light is lit, and check if the optical axis is pointing upward or tilting too far down. If the optical axis is not in the correct position, adjust the optical axis.