

PIAA DR205

Installation Instructions

Thank you very much for purchasing PIAA product.
Please read this entire manual before installation and use of this product.

※ The  **CAUTION** and  **WARNING** marks indicated in this manual are cautionary points related to the installation of the product.

To ensure safe and secure installation of the product, please follow these points closely.

To user

... Please keep this manual and a receipt which can be recognized the shop name you bought at.
When giving this product to a third party, always include this manual together with the product.

To shop owners installing the product

...After installation of the product, make sure the customer is provided with this owner's manual.

Please read the cautionary points before installation to ensure safe utilization of the product.

WARNING

- Do not touch the lamp while lit or immediately after switching it off because the lamp remains extremely hot. Severe burns may occur as a result.
- Do not look directly into the light for long periods. Doing so may cause eye irritation or visual impairment.

CAUTION

- Make sure the lamp is installed securely before driving the vehicle. If an abnormality is found, adjust it immediately.
- Avoid needless disassembly of lamp or harness as it may cause it to fail.
- If the lens is cracked or damaged in any way, verify whether there is any damage to the harness or the relay harness that it is connected to. If there is any damage to the cord covering, replace it immediately.
- When washing the vehicle with a hose, do not apply excess water pressure to the lamp. Water may seep in and causes damage to the lamp.

Please read the installation procedures thoroughly beforehand.

CAUTION

- This lamp is provided with a bracket for use as a hanging type lamp. When using it in an upright position, make sure the **PIAA** logo is correctly displayed. Install by rearranging the bracket.
- Lamps are specified the attachment position on either side. Make sure not to install right-and-left contrary.
- All work procedures should be carried out in a location with adequate space. Place the shift lever in neutral or in the parking position. Turn off the engine and set the side brake.
- Do not begin work if engine parts such as radiator, oil-cooler or turbo part are still hot.

⚠ CAUTION

- Be extremely careful when handling the lamp and harness. If dropped or excessive shock is applied to the lens, bulb or harness, it may cause irreversible damage.
- Do not add additional holes to the main body of the lamp. Also, do not apply adhesives or stickers to the lamp parts.
- Make sure all bolts are tightly secure. If there are any loose bolts tighten them accordingly.
- After installing the lamp, make sure the headlamps, wipers and horn are working normally.

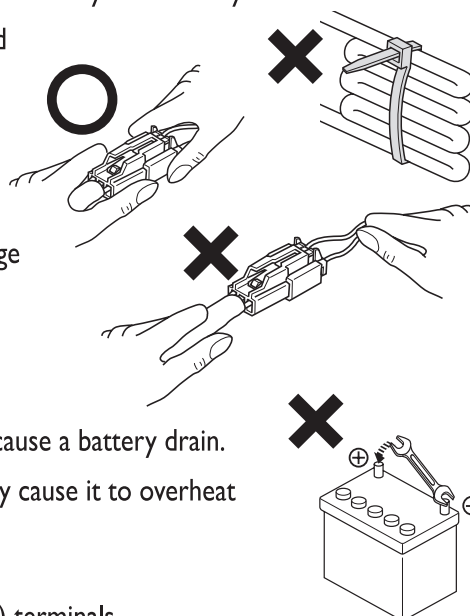
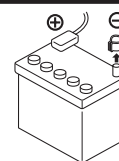
Caution Regarding Wiring / Please read thoroughly.

⚠ WARNING

- When doing wiring work, strictly follow the cautionary points mentioned below. Incorrect or faulty wiring may cause the lamp to operate improperly. In some cases, it may cause the vehicle to catch fire.

⚠ CAUTION

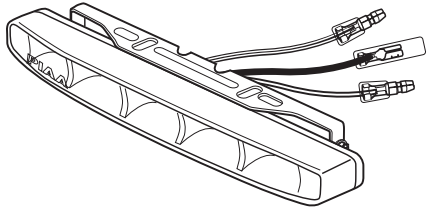
- Before you begin always remove the (-) terminal.
- When removing the battery terminals, always turn the key to OFF and remove it. Turn all other electrical units off such as the light switch.
- Verify the (+) harness (white), (-) harness (black) and (+) switch harness (white/black) before connecting.
- Install the harness in a position where it will not make contact with high temperature surfaces such as the engine, radiator or engine compartment.
- Arrange the harness so that it does not make contact with moving parts.
- Do not place the harness on high-voltage wires such as brake or air-conditioning wires.
- If the harness makes contact with a part of the engine, apply a length of ordinary cushioned tape around the harness.
- Do not tie the harness in a bundle by bending into too many folds. The relay harness may overheat.
- When connecting the terminal, make sure to install it correctly and secure it into position.
- Make sure the harness does not sag. Use a harness band of vinyl tape to secure it in place inside the engine compartment.
- When removing the terminal, hold the main body of the terminal and pull it out. If excess force is used to pull the cord, it may damage the connection, which could cause it to overheat.
- Before connecting it to the battery, verify the wiring arrangement.
- After all wiring is complete, confirm that it works properly.
- Do not draw power from the battery on a regular basis as it may cause a battery drain.
- Do not modify the lamp harness in any way. Such modifications may cause it to overheat or short. In some cases, it may cause the vehicle to catch fire. PIAA will not be liable for damage caused by such modifications.
- When removing the battery terminals, do not touch the (-) and (+) terminals simultaneously. An electrical shock may occur. Wear rubber gloves when carrying out such work procedures.
- Make sure the (-) and (+) terminals do not make contact with metal. It can be extremely dangerous if a short occurs.
- When the battery terminal is removed, memory related to the clock, radio, audio system etc, will be affected. After all work procedures are completed, reset to the original settings. (For adjustment procedures refer to your car's instruction manual)



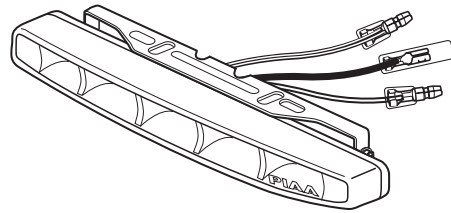
Product Details

※ Verify that all the parts are included. If a part is missing, please contact you local distributor.

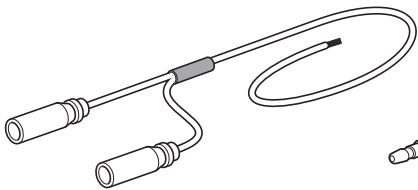
① Lamp main unit (R) [1 unit]



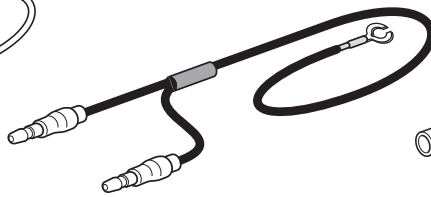
② Lamp main unit (L) [1 unit]



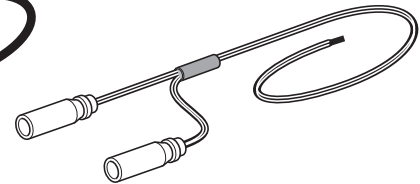
③ Harness (White) [1 pc]



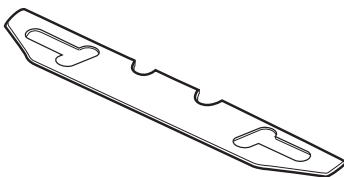
④ Harness (Black) [1 pc]



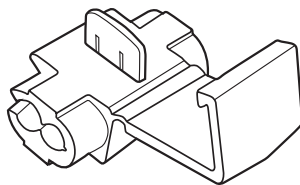
⑤ Harness (White / Black) [1 pc]



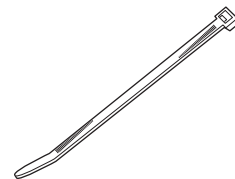
⑥ Double-stick tape [2 pcs]



⑦ One-touch connector [2 units]

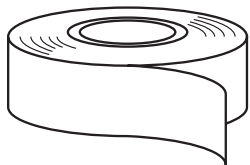


⑧ Wire tie [10 pcs]

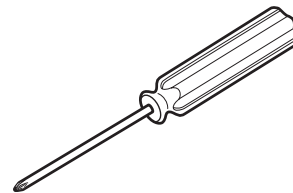


Tools Required

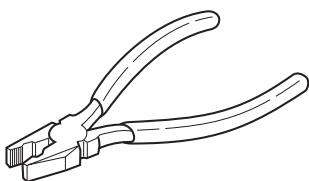
- Tape



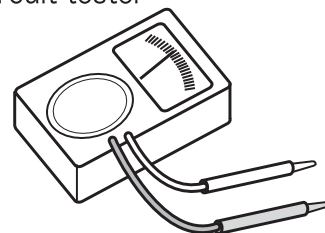
- Philip's head driver



- Pliers



- Circuit tester

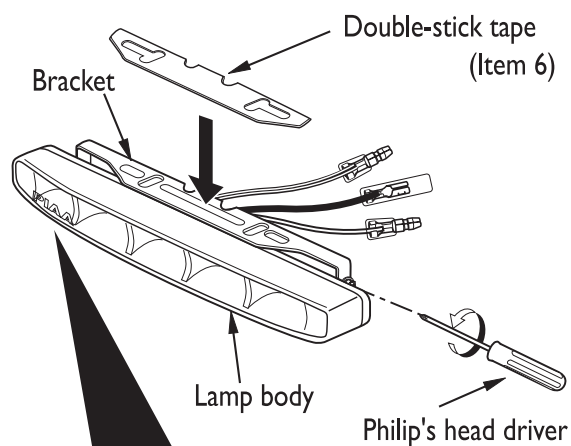


【1】Lamp installation preparations

- Before installing to the vehicle, make sure to determine if the lamp will be a hanging type or upright type.

(1) Rearrange the bracket according to your needs, and apply double-stick tape (Item 6) and one-side tape as shown in the diagram .

(2) Hold the lamp up to where it will be installed on the vehicle. Verify the gap between the lamp and surrounding obstacles.



⚠ CAUTION

- There must be 20mm more side of the lamp to allow for proper adjustment.
- If using a screw, make sure there is adequate space between the bracket and the lamp (where screw will be inserted).

Make sure the installation position is correct and the logo will not be upside down.



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[2] Wiring harness installation sequence

1 Find the (+) ACC cord electrify from the behind of vehicle's fuse-box when the engine switch is turned on and mark it up.

2 Find the (+) Position cord from the behind of position lamp and mark it up.

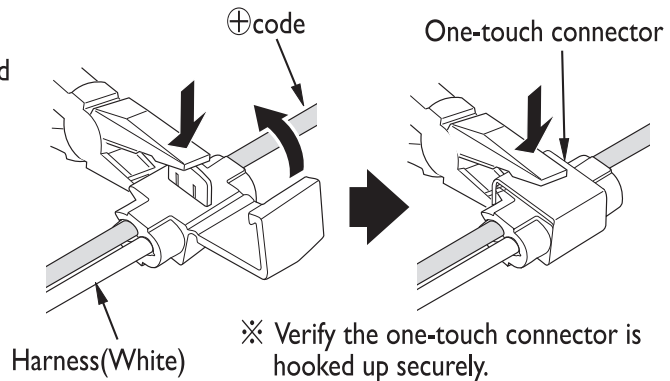
4 Remove the (+) terminal from the battery.

3 Remove the (-) terminal from the battery.

9 Attach the (+) terminal to the battery.

10 Attach the (-) terminal to the battery.

5 Connect the (+) harness (White) to the (+) ACC cord which is found in Baloon **1**. Refer the "TIPS" on next page!



8 Attach the (-) harness (Black) to body earth or the battery.

6 Connect the (+) harness (White / Black) to the (+) Position cord which is found in Baloon **2**.

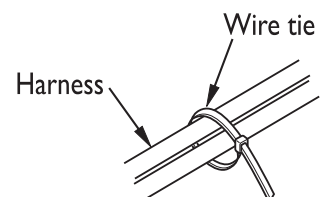
Harness (Black)

Harness (White)

Harness (White / Black)

7 Connect all bullet connectors to the harnesses.

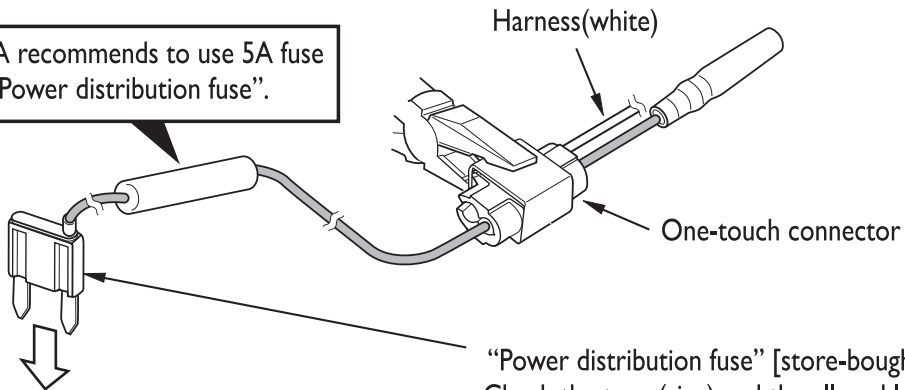
11 After lamp has been installed, verify the harness does not make contact with the engine's moving parts or sections that emit extreme heat. Use the wire tie included (Item 8) and secure to harnesses inside engine compartment.



👉 Tips

- Using the “Power distribution fuse” [store-bought] could be easier operation to connect the (+) ACC cord (White), if it is a difficult situation to find the (+) ACC cord which is found in Baloon **5**.

PIAA recommends to use 5A fuse on “Power distribution fuse”.

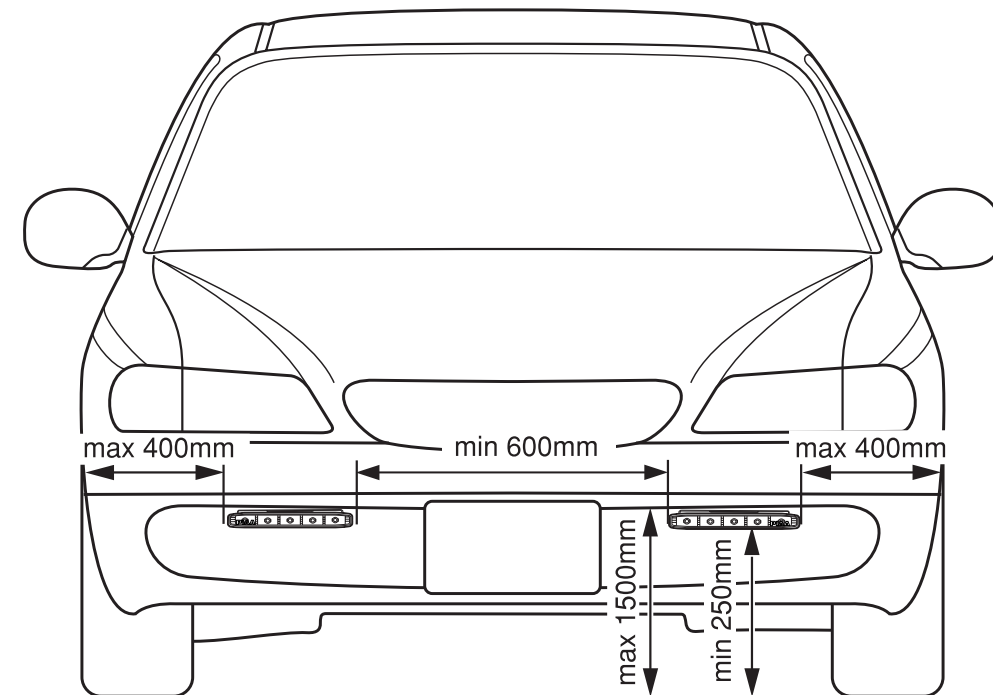


Use the fuse terminal of the “air conditioner” or “power window” which both power on when the engine is turned on.

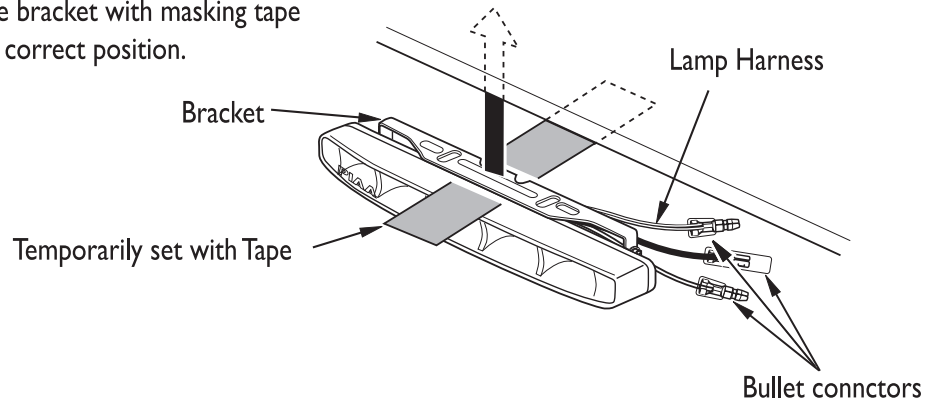
“Power distribution fuse” [store-bought]
Check the type (size) and the allowable current of fuse.

[3] Lamp Installation Procedures

- 1 This Day time running lamp meets the regulation of ECE R48 , according to the installing the position as a following diagram.



- 2** Temporarily set the bracket with masking tape and then mark the correct position.



- 3** Remove the lamp harness bullet connectors and take out the lamp.

- 4** Install the lamp according to the marking made prior to installation.

⚠ CAUTION

- When using the double-stick tape, clean the surface where tape will be applied. Use a clean cloth or sponge and make sure dirt, grease, wax etc., are completely removed. If substances cannot be removed, it may not adhere properly. In particular, avoid using leather wax, tire wax and also any type of organic solvent.
- When used in low temperatures, the adhesive substance tends to lose its strength. Use a drier or simply warm up the adhesive surface before applying. When using a drier, avoid moving it too close to the bumper as it may cause it to deform.
- After installation, avoid excess speeds and do not wash for 1 to 2 days.

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