

PIAA

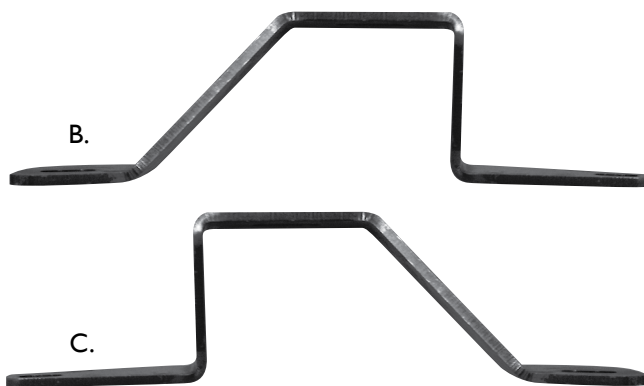
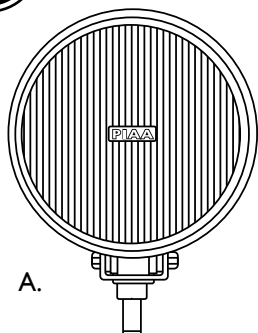
2005-2010 Nissan Frontier 510 ATP Lamp Kit

Thank you for purchasing PIAA product.
Please read this entire manual carefully before installation.
Keep this manual for reference after installation.



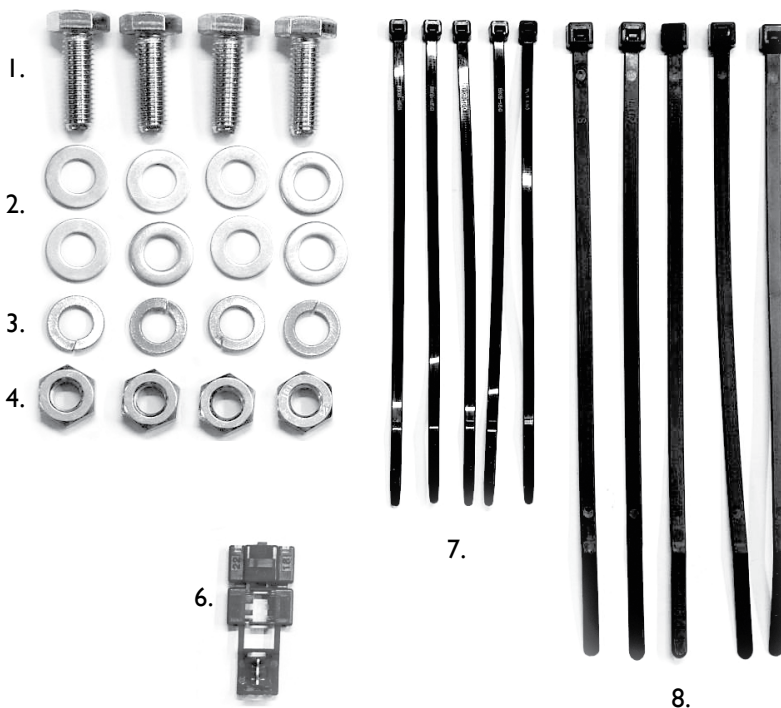
CONTENTS

- A. 510 ATP Lamps (2)
- B. Lamp Mounting Bracket – Left (1)
LFT Bracket PN: 30394-L
- C. Lamp Mounting Bracket – Right (1)
RT Bracket PN: 30394-L
- Wiring Harness With Relay and Fuse (1)
- Surface Mount Push Button Switch (1)



HARDWARE

- 1. 6mm Hex Bolt (4)
- 2. 6mm Flat Washer (8)
- 3. 6mm Lock Washer (4)
- 4. 6mm Hex Nut (4)
- 5. 12mm Washer (4)
- 6. One-Touch Connector
- 7. 5" Wire Ties (5)
- 8. 9" Wire Ties (5)

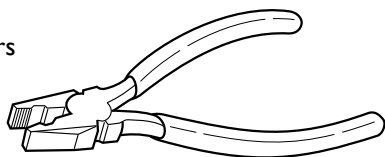


REQUIRED TOOLS

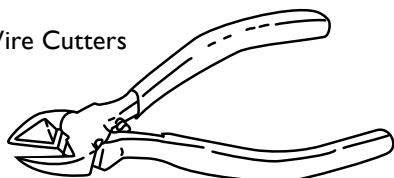
Prepare the following tools:

Ratchet with 17mm & 10mm Socket

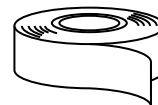
Pliers



Wire Cutters



Electrical Tape



Medium Philips Screw Driver



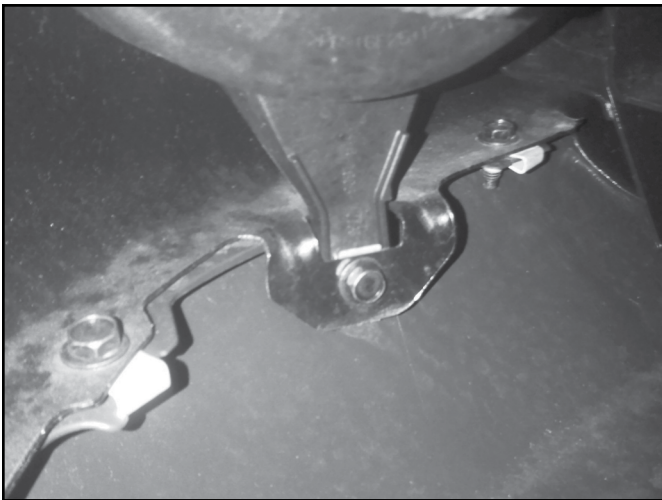
Wrenches (17mm and 10mm)



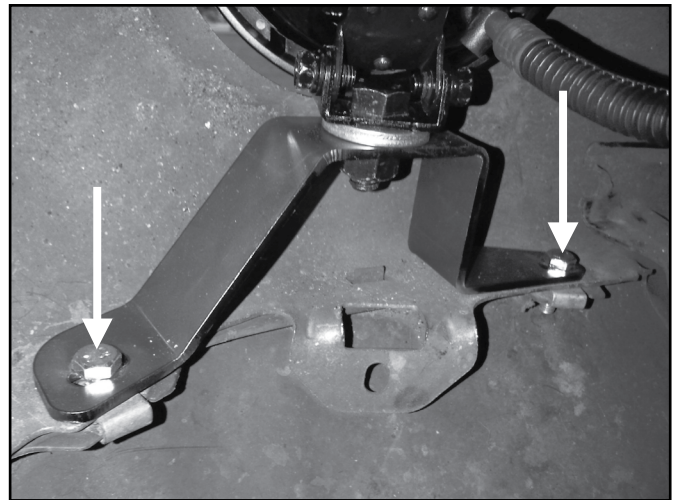
Other tools may be necessary for your installation.

LAMP INSTALLATION

1. Remove the stock lights from the factory location. If your vehicle doesn't have factory fog lights you will need to remove the plastic bezel.
2. Remove the two screws in the factory bumper shown in picture #1.
3. Install the PIAA lamp to the bracket supplied. Do not tighten the light completely yet.
4. Using the supplied bolts fasten the bracket and lamp to the factory locations on the backside of the bumper (shown in picture #2). Not all tolerances on trucks are exact, so we have supplied a spacer to be placed in between the bracket and the bumper if needed for the lights to line up correctly.
5. Duplicate instruction #4 on other side of vehicle.
6. Now that the PIAA lights are installed check page 7 for aiming instructions.



PICTURE #1



PICTURE #2

WIRING

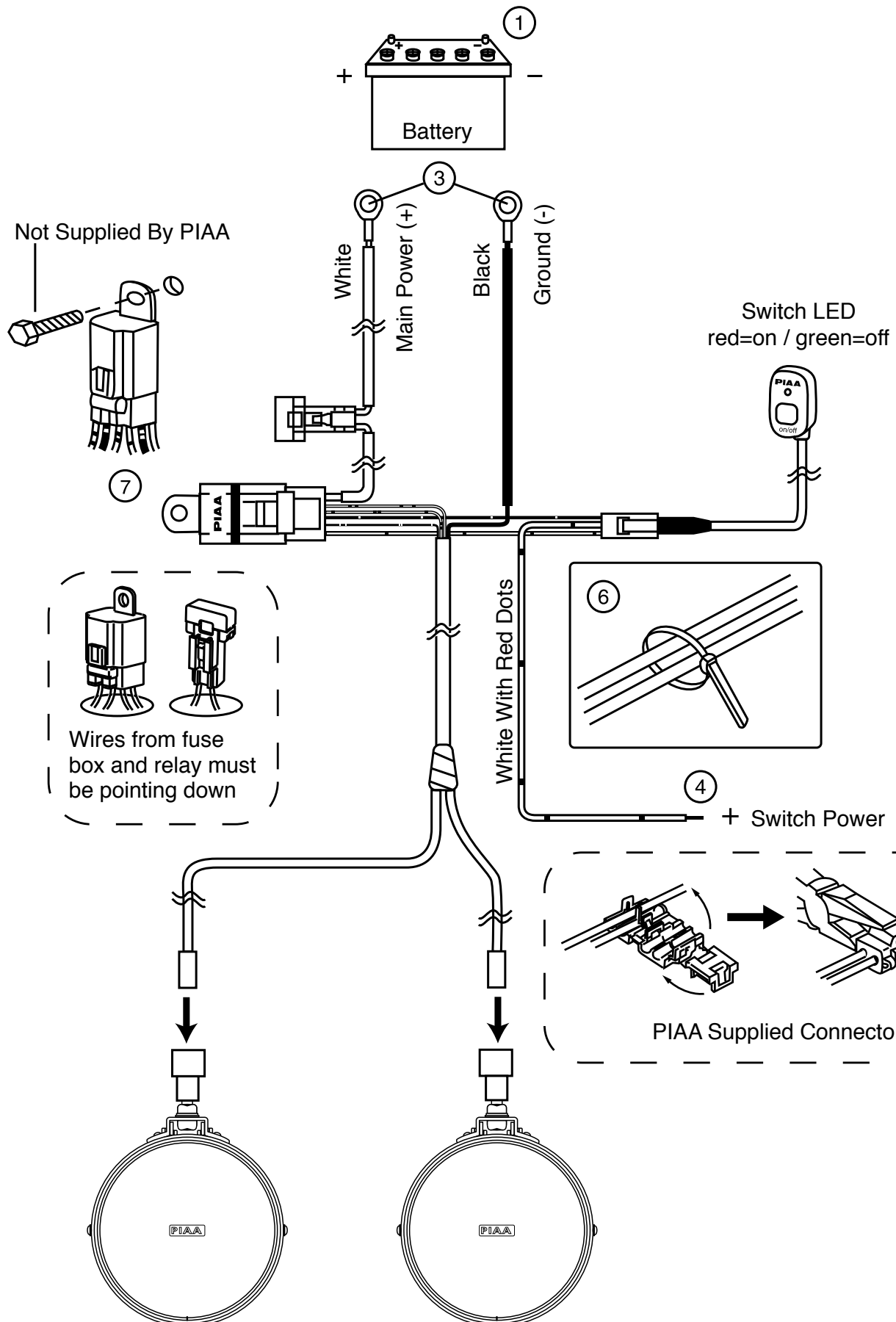


CAUTION

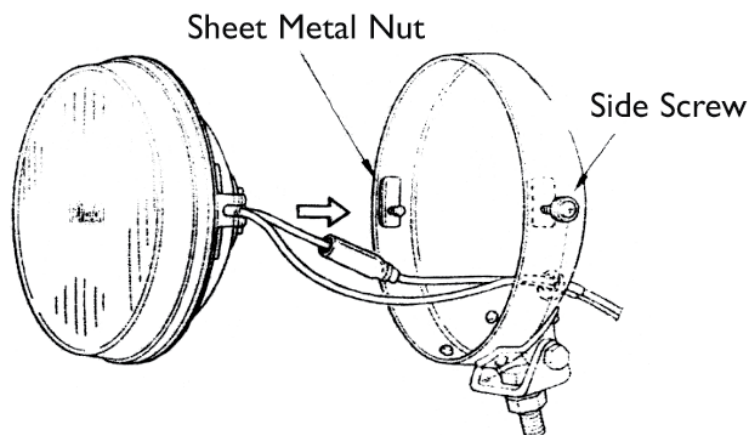
When connecting the wires on the harness, follow the wiring diagram and the sequence below.

1. Before connecting any wires, the negative (-) battery terminal should be disconnected.
2. When connecting the wires on the harness, follow the wiring diagram and connect them as in the diagram.
3. For proper lamp operation it is recommended that you connect the positive (+) and negative (-) power supply wires directly to the corresponding battery terminals. Do not take power directly from the alternator.
4. Find a power source to connect the switch power wire to. For legal operation of driving lights in most regions of North America this power source must be one that is only powered (+) when the high beam of the headlamps is on. To make this connection use the supplied connector or any connector that is suitable for this application. The easiest place to get the high beam switch power is directly off the back side of the driver's side headlight. The headlight bulb connector has 3 wires. The positive high-beam wire is the white/green wire.
5. Do not connect lights to turn signals or to lights that flash with an automotive alarm.
6. When running the wires through the engine compartment be sure to keep them securely away from moving parts such as the fan and the throttle cable and away from hot parts such as the exhaust manifold.
7. When the wiring is complete, test the system for operation. Do this by turning on the system. If the system works, securely fasten the relay box or tie it out of the way with wire ties. If the system does not come on, please contact your PIAA dealer.

WIRING DIAGRAM

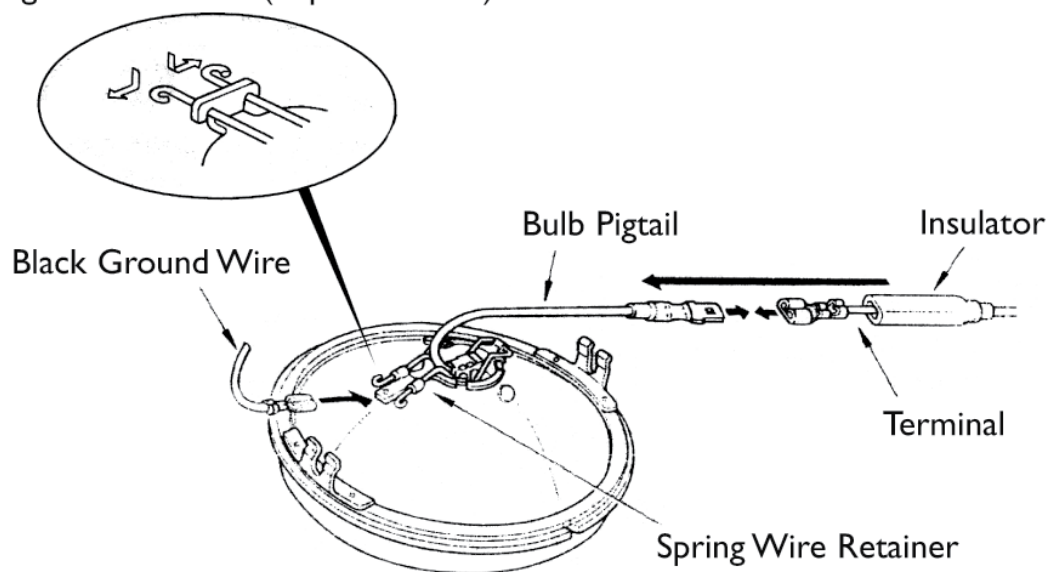


LAMP ASSEMBLY/DISASSEMBLY DIAGRAM



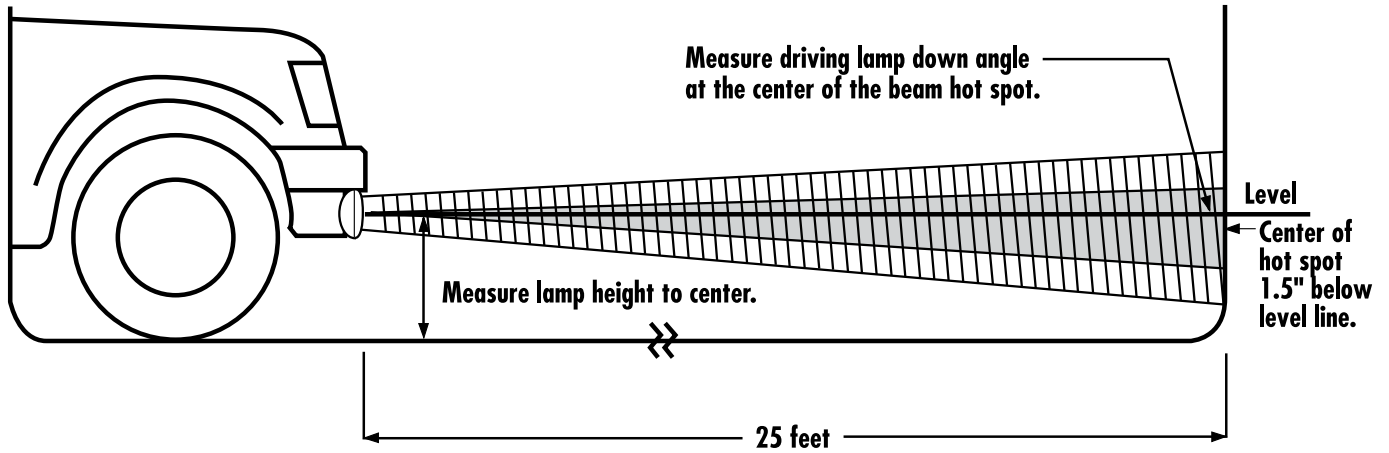
! WARNING
Slide insulator over connector.

Spring Wire Retainer (Exploded View)



DRIVING LIGHT AIMING

Visual aim is made with the center of the beam hot spot 1.5 inches below the lamp center at 25 feet with the lamp facing straight forward. (see below.)



CAUTION

Do not use driving lights into oncoming traffic.
Driving lights should never be the only forward light source.
Driving lights should only be used with the headlamp high beams.

PIAA LIMITED WARRANTY

With the exception of bulbs, PIAA Corporation, USA ("PIAA") warrants its products to be free from defects in workmanship and materials under normal use for as long as the original purchaser owns them.

EXCLUSIONS

improper installation, unauthorized repairs, submersion, theft, vehicle crash, or by any other type of impact. Except for the Limited Warranty stated above, there are no warranties of PIAA products or any part thereof, whether express or implied. Any implied warranty of merchantability or any warranty of fitness for a particular purpose is expressly disclaimed. Some states do not permit the disclaimer of implied warranties.

LENS CRACKS

Crash or impact damage is not covered. This can be determined by a chip or scrape on the lens or the housing. Stress cracks sometimes occur when the lens is subjected to sudden and extreme temperature changes. A stress crack has no chip or other sign of impact. Stress cracks are covered under warranty.

EXCLUSION OF DAMAGES

In no event shall PIAA be liable for any damages whatsoever (including, without limitation, consequential damages, incidental damages, or damages for loss of use, loss of business profits, business interruption, loss of business information, loss of time, inconvenience, or other losses) arising out of the use, misuse, or inability to use a PIAA product. PIAA reserves the right to change the design its products without any obligation to modify any previous product. This warranty gives you specific legal rights. You may also have other rights that vary from state to state.

REPAIR AND REPLACEMENT

If a PIAA product is suspected of being defective, it must be submitted freight prepaid, to either an authorized dealer or distributor for warranty inspection. The receipt or other proof of purchase and a description of the problem must be included. The returned product will be inspected. If the product is found to be defective and covered by this Limited Warranty, the sole remedy is repair or replacement, at PIAA's option. A repaired or replacement product will be shipped back at no charge, and will be warranted to be free from defects in workmanship and materials under normal use for as long as the original purchaser owns it. Removal, installation, or reinstallation costs are not covered by this Limited Warranty.

PIAA CORPORATION, USA

3004 NE 181st Avenue Portland, Oregon 97230

Telephone: 503.489.6666 - Fax: 503.489.6600 - Web: www.piaa.com