

# PIAA

## ***BMW L.E.D. RING BULB***

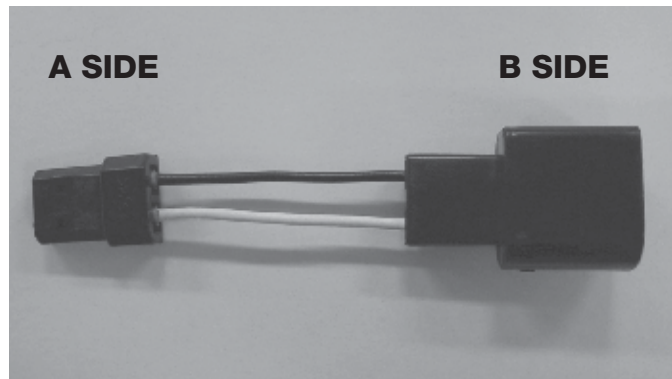
**Read this manual before installing and using product.**

**COMPATIBLE WITH:**  
**5 Series (E39) 97-03**  
**X5 (E53) 02-05**

### **CONTENTS**



L.E.D. Bulb - 2



Wiring Adapter - 2

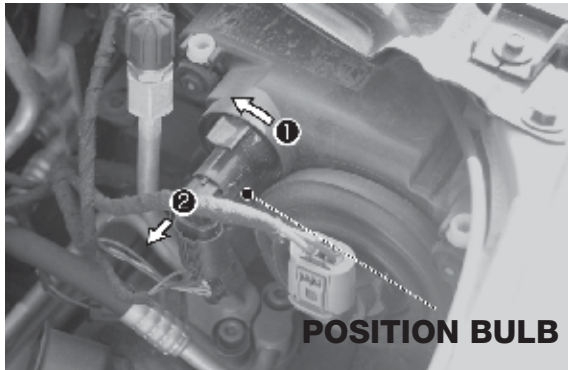
### **BEFORE BEGINNING INSTALLATION**

1. Park car on flat surface with adequate room to work around the car.
2. Turn off car and set parking brake.
3. Open hood of car.

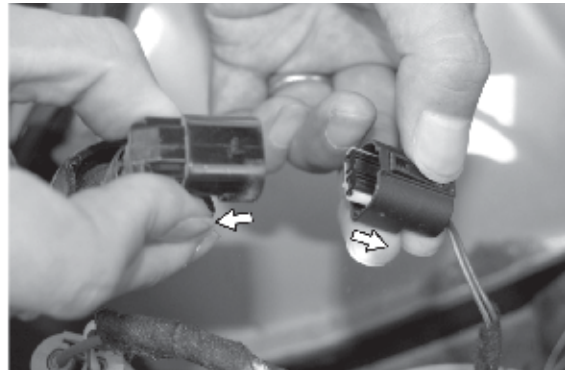
## INSTALLATION

### THERE ARE TWO METHODS OF INSTALLATION.

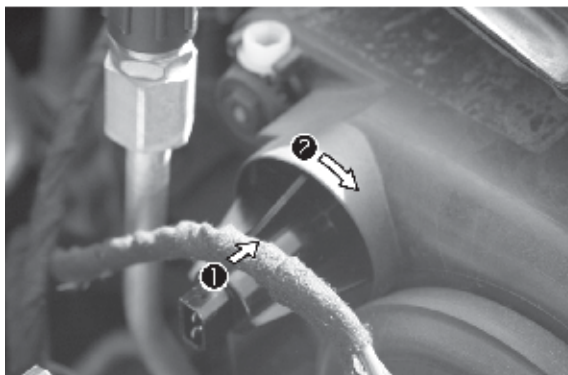
Method [1] for E39 late model. Must use wiring adapter.



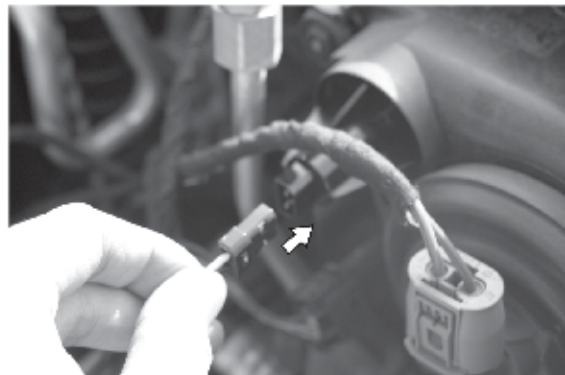
1. Remove original position bulb according to vehicle service manual.



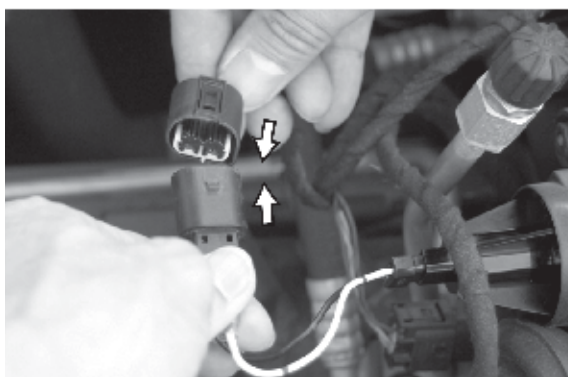
2. Disconnect coupler of original position bulb.



3. Install L.E.D. bulb in the original position bulb location.



4. Connect [A] Side of Wiring Adapter to back side of L.E.D. bulb.

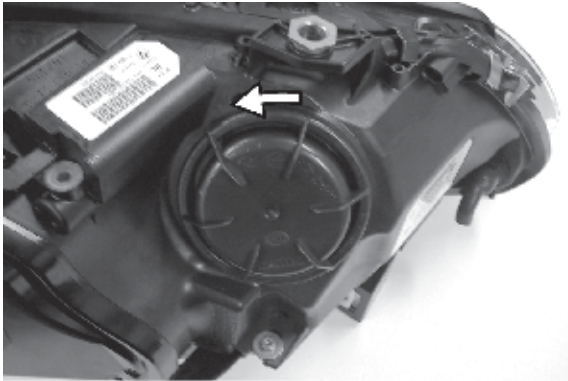


5. Connect [B] Side of Wiring Adapter to vehicle harness connector.

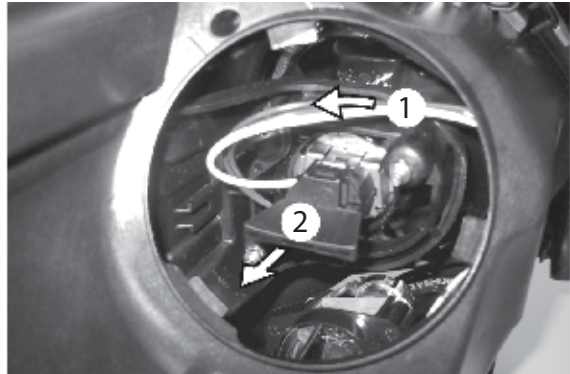
6. Make sure all bulbs work correctly.

## INSTALLATION

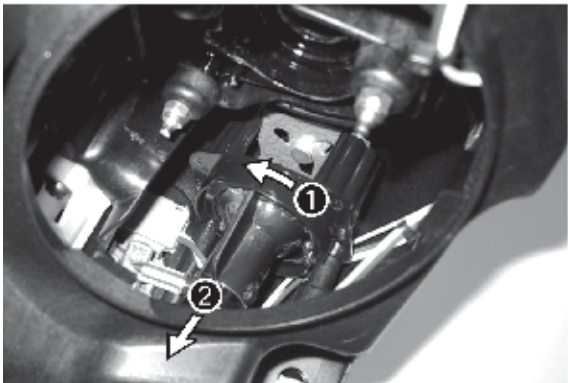
Method [2] for E53 late model.



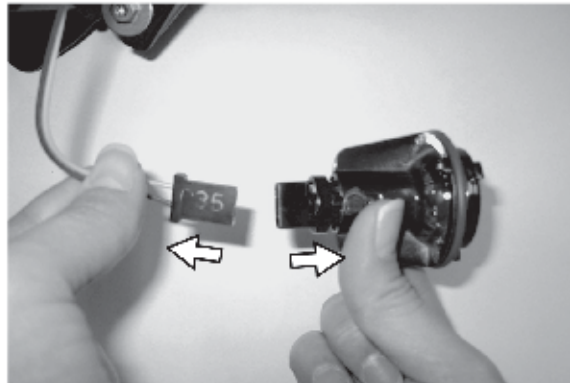
1. Remove back side cover of headlamp unit.



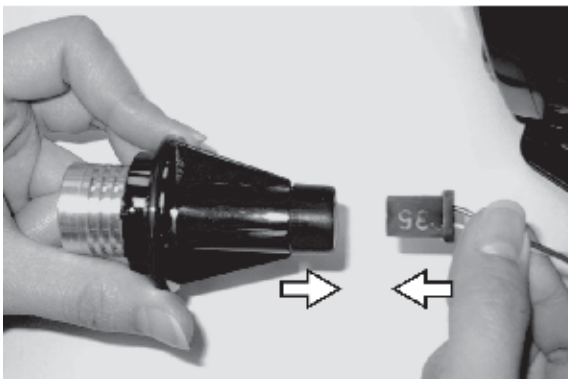
2. Remove original headlamp high beam bulb according to vehicle service manual.



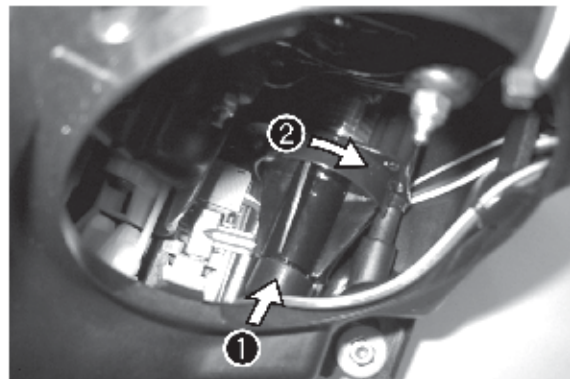
3. Remove original position bulb according to vehicle service manual.



4. Disconnect coupler of original position bulb.

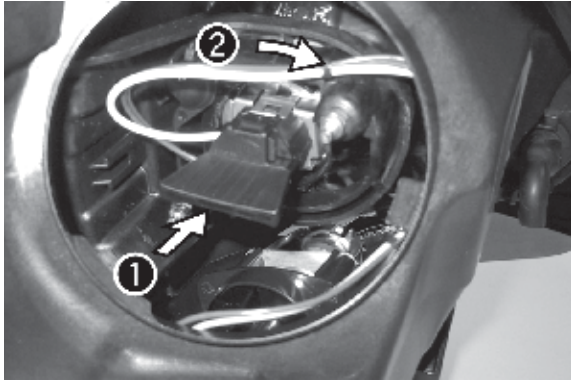


5. Connect vehicle harness connector to L.E.D. bulb.



6. Install L.E.D. bulb in the original position bulb location.

## INSTALLATION CONT'D



7. Re-install headlamp high beam bulb.

8. Before installing back cover, make sure all bulbs work correctly.

## 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

This Limited Warranty specifically excludes defects resulting from misuse, abuse, neglect, alteration, modification, 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.

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