

Dorman 601-164

Dorman 601-164 HID Headlight Igniter Instruction Manual

Model: 601-164 | Brand: Dorman

1. PRODUCT OVERVIEW

The Dorman 601-164 High Intensity Discharge (HID) Headlight Igniter is a direct replacement component designed to restore the functionality of your vehicle's HID headlight system. This igniter ensures proper power delivery to the HID bulb, facilitating its illumination. It is engineered for reliable performance and durability, matching the fit and function of the original equipment on specified applications.

Key Features:

- Direct replacement for original igniters.
- Restores proper HID headlight operation.
- Constructed from quality materials for long service life.
- Waterproof design for enhanced durability.

2. SAFETY INFORMATION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

Always disconnect the vehicle's battery before performing any electrical work. HID systems operate at high voltages; exercise extreme caution to avoid electrical shock. Professional installation is recommended.

- Ensure the vehicle is turned off and the ignition key is removed.
- Wear appropriate personal protective equipment (PPE), including safety glasses and insulated gloves.
- Avoid touching the HID bulb glass directly, as oils from your skin can reduce its lifespan.
- Do not attempt to open or modify the igniter unit.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- 1 x Dorman 601-164 HID Headlight Igniter
- *(Additional components may vary based on specific vehicle application, refer to your vehicle's service manual for complete details.)*

4. INSTALLATION (SETUP)

This section provides general installation guidelines. Specific procedures may vary depending on your vehicle's make and model. Always consult your vehicle's service manual for detailed instructions.

4.1 Pre-Installation Steps

1. Park the vehicle on a level surface and engage the parking brake.
2. Turn off the engine and remove the ignition key.
3. Disconnect the negative terminal of the vehicle's battery to prevent accidental electrical discharge.
4. Allow the headlight system to cool down if it has been recently in use.
5. Identify the location of the existing HID igniter. This is typically located near the HID bulb within the headlight assembly.

4.2 Removal of Old Igniter

1. Carefully access the headlight assembly. This may involve removing other components such as the bumper or fender liner.
2. Locate the igniter connected to the HID bulb and the ballast.
3. Disconnect the electrical connectors from the igniter.
4. Unmount the old igniter from its position. Note its orientation for correct installation of the new unit.



Image 1: Top view of the Dorman 601-164 HID Headlight Igniter, showing the main unit and the bulb connector.



Image 2: Bottom view of the Dorman 601-164 HID Headlight Igniter, illustrating the wiring connections.

4.3 Installation of New Igniter

1. Connect the new Dorman 601-164 igniter to the HID bulb. Ensure a secure and proper fit.
2. Connect the igniter to the ballast. Verify that all electrical connections are firm and correctly seated.
3. Mount the new igniter in the same location and orientation as the original unit.
4. Reassemble any vehicle components that were removed to access the headlight assembly.



Image 3: Angled view of the Dorman 601-164 HID Headlight Igniter, showing the overall assembly.



Image 4: Close-up view of the bulb connector on the Dorman 601-164 HID Headlight Igniter.

5. OPERATION

After successful installation, reconnect the vehicle's battery. Turn on the vehicle's headlights to verify proper operation. The HID igniter works in conjunction with the ballast to provide the necessary high voltage to ignite the HID bulb, resulting in bright, consistent illumination. If the headlight does not illuminate or flickers, refer to the Troubleshooting section.

6. MAINTENANCE

The Dorman 601-164 HID Headlight Igniter is designed for long-term, maintenance-free operation. Regular maintenance of the igniter itself is not required. However, it is recommended to:

- Periodically inspect all wiring and connections within the headlight assembly for signs of wear, corrosion, or damage.
- Ensure the headlight assembly remains sealed to prevent moisture ingress, which can affect electrical components.
- Replace HID bulbs in pairs to maintain consistent light output and color temperature.

7. TROUBLESHOOTING

If you experience issues after installing the Dorman 601-164 HID Headlight Igniter, consult the table below:

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem | Possible Cause | Solution |
|---|--|---|
| Headlight does not turn on. | Loose or incorrect wiring connections. Faulty HID bulb. Faulty ballast. Vehicle fuse blown. | Check all connections to the igniter, bulb, and ballast. Test the HID bulb with a known good unit. Test the ballast with a known good unit. Inspect and replace any blown fuses related to the headlight system. |
| Headlight flickers or turns off intermittently. | Loose connection. Aging HID bulb. Voltage fluctuations. | Secure all electrical connections. Consider replacing the HID bulb. Consult a professional to diagnose vehicle electrical system. |
| Igniter does not fit correctly. | Incorrect part for vehicle application. | Verify the Dorman 601-164 is compatible with your specific vehicle make, model, and year using the manufacturer's fitment guide. |

If the problem persists after attempting these solutions, it is recommended to seek assistance from a qualified automotive technician.

8. SPECIFICATIONS

| Attribute | Value |
|-----------------------------|---------------------------|
| Brand | Dorman |
| Model Number | 601-164 |
| Specific Uses For Product | Head Lights |
| Vehicle Service Type | Car |
| Special Feature | Waterproof |
| Wattage | 55 watts |
| Lens Material | Plastic |
| Item Dimensions (L x W x H) | 4.13 x 4.65 x 1.77 inches |
| Item Weight | 0.01 ounces |
| UPC | 885484361713 |
| Automotive Fit Type | Vehicle Specific Fit |

| Attribute | Value |
|-----------------------------|--|
| Manufacturer Part Number | 601-164 |
| OEM Part Numbers | R66031; 203 820 16 85; 2038201112; 2038202526; 230 820 19 26; 63120406709; 63126907496; 63126907504; 63126912114; 63126918592; 63126918593; 63127176068; 99363119302; GJ6E-51-0H3A9A; YM211 3L028 AA |

9. WARRANTY AND SUPPORT

Dorman products are backed by a team of product experts in the United States and more than a century of automotive experience, ensuring trustworthy quality. For specific warranty details and support inquiries, please refer to the official Dorman website or contact their customer service directly.

Manufacturer: Dorman Products

Website: www.dormanproducts.com

10. PRODUCT VIDEO

The following video provides a visual overview of a similar HID ballast, demonstrating its physical characteristics and rotation. While not the exact igniter, it illustrates the type of component.

Your browser does not support the video tag.

Video 1: Product Display Video showing an HID ballast rotating on a turntable. This video helps visualize the form factor and connections of a related HID component.

