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AUTOGINE GINE16-19RAV4-3014Kit8W

AUTOGINE White LED Interior Lights Kit

For Toyota RAV4 (2016-2022) - Instruction Manual

1. Product Overview

The AUTOGINE White LED Interior Lights Kit provides a complete replacement package for your Toyota RAV4's interior lighting. Designed for models from 2016 to 2022, this kit offers significantly brighter illumination (up to 300% brighter) compared to standard halogen bulbs, enhancing visibility and modernizing your vehicle's interior. All LED lights feature built-in Constant Current IC for a lifespan of up to 40,000 hours.



Image: Direct comparison showing the enhanced brightness of AUTOGINE LED bulbs versus standard stock halogen bulbs.



Image: A visual representation of a car's interior, showing the significant increase in illumination after installing the AUTOGINE LED kit.

2. Package Contents

Your AUTOGINE LED Interior Lights Kit includes the following components:

- 2 x Map Lights
- 1 x Dome Light
- 2 x Vanity Mirror Lights
- 1 x Trunk/Cargo Light
- 2 x License Plate Lights
- 1 x Installation Tool

Total: 8 LED bulbs and an installation tool.

3. Safety Information

- Always ensure the vehicle's ignition is off and the battery is disconnected before beginning any electrical installation to prevent electrical shock or damage.
- Use appropriate tools to avoid damaging vehicle trim or electrical components.
- Handle LED bulbs by their base to avoid touching the LED chips directly, which can affect their lifespan.
- If you are unsure about any step, consult a professional automotive technician.

4. Installation Instructions

This kit is designed for plug-and-play installation without error codes or additional modifications. The following steps outline the general process for replacing interior lights. Specific locations may vary slightly by vehicle year and trim.

4.1. Trunk Light Installation

The following video demonstrates the installation process for the trunk light. Please refer to the video for a visual guide and the steps below for detailed instructions.

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Video: Detailed installation guide for the LED trunk light in a Toyota RAV4.

1. **Prepare for Installation:** Gather your new LED trunk light, the provided installation tool, and ensure the vehicle's power is off.
2. **Remove Original Lamp Housing:** Use the pry tool to carefully remove the original lamp housing from its slot in the trunk. Start by gently prying from one end until it loosens.
3. **Remove Original Bulb:** Once the housing is out, carefully remove the old halogen bulb from its socket.
4. **Disconnect Wiring:** Disconnect the original wiring connector from the bulb socket. This usually involves pressing a small tab and pulling apart.
5. **Connect New LED Light:** Take the new LED trunk light and connect its wiring plug to the vehicle's original wiring connector. Ensure it clicks securely into place.
6. **Test Functionality:** Briefly turn on the vehicle's power (or open the tailgate if it's an automatic light) to confirm the new LED light illuminates correctly.
7. **Install New LED Light:** Carefully push the new LED light assembly into the original slot in the trunk until it snaps securely into place. Ensure no wires are pinched.



Image: The cargo area of a Toyota RAV4 illuminated by the newly installed bright LED trunk light.

4.2. Other Interior Lights (Map, Dome, Vanity Mirror, License Plate)

The installation process for other interior lights (map, dome, vanity mirror, and license plate lights) follows a similar plug-and-play method:

1. **Locate the Light:** Identify the specific light you wish to replace.
2. **Gently Pry Open:** Use the provided pry tool to carefully unclip or remove the plastic cover/housing of the original light.
3. **Remove Old Bulb:** Extract the old halogen bulb from its socket.
4. **Insert New LED Bulb:** Insert the new LED bulb into the socket. If the LED does not light up, remove it, rotate it 180 degrees, and reinsert it (LEDs are polarity sensitive).
5. **Test:** Briefly test the light to ensure it functions.
6. **Reassemble:** Carefully snap the light cover/housing back into place.

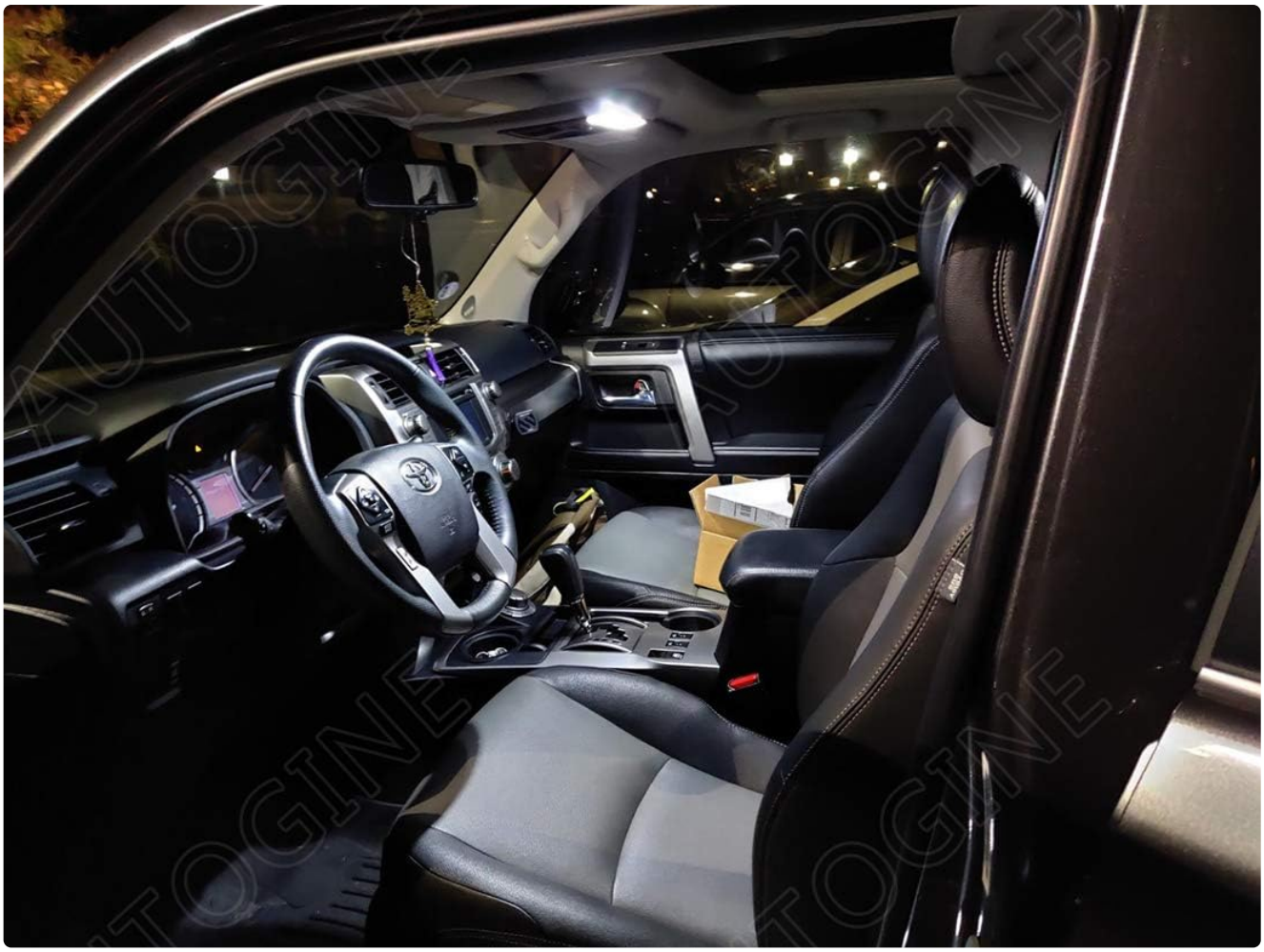


Image: The front interior of a Toyota RAV4, showcasing the clear and bright illumination from the installed LED map and dome lights.



Image: A close-up of a vanity mirror with the new bright LED light installed, providing clear illumination.



Image: The rear of a Toyota RAV4 with bright LED license plate lights, ensuring clear visibility of the license plate.

5. Operating Instructions

The AUTOGINE LED Interior Lights Kit operates automatically with your vehicle's existing lighting system. The lights will turn on and off based on the vehicle's door status, ignition, or specific light switches (e.g., dome light switch, vanity mirror switch).

- **Dome/Map Lights:** These lights typically activate when doors are opened or unlocked, and can often be manually controlled via overhead switches.
- **Vanity Mirror Lights:** These lights activate when the vanity mirror cover is opened.
- **Trunk/Cargo Light:** This light activates automatically when the tailgate is opened and turns off when it is closed.
- **License Plate Lights:** These lights activate automatically when the vehicle's headlights or parking lights are on.

6. Maintenance

AUTOGINE LED lights are designed for long-lasting performance with minimal maintenance. To ensure optimal operation:

- Keep the light covers clean from dust and debris using a soft, dry cloth.
- Avoid using harsh chemicals or abrasive cleaners on the LED lenses or housings.
- Periodically check connections to ensure they remain secure.

7. Troubleshooting

If your new LED lights are not functioning as expected, consider the following troubleshooting steps:

- **Light Does Not Turn On:**
  - Ensure the vehicle's power is on and the relevant switch (if applicable) is in the 'on' position.
  - LED bulbs are polarity sensitive. Remove the bulb, rotate it 180 degrees, and reinsert it.
  - Check the electrical connection to ensure it is fully seated and secure.
  - Verify that the original fuse for the circuit is intact.
- **Flickering Light:**
  - Ensure all connections are tight and free from corrosion.
  - Confirm the bulb is correctly seated in its socket.
- **Error Code on Dashboard:** This kit is designed to be error-free. If an error code appears, double-check all connections and ensure the correct bulbs were installed in the designated locations. Contact customer support if the issue persists.

8. Specifications

Feature	Specification
Brand	AUTOGINE
Item Model Number	GINE16-19RAV4-3014Kit8W
Light Source Type	LED
Color Temperature	6000 Kelvin (White)
Wattage	5 watts
Voltage	12 Volts
Operating Life	40,000 Hours
Fit Type	Vehicle Specific Fit (Toyota RAV4 2016-2022)
Item Package Quantity	1 (Kit)

9. Warranty and Support

All LED Lights included in this kit carry an AUTOGINE 2-Year warranty from the date of purchase. This warranty covers manufacturing defects and ensures product quality.

For any product or installation issues, please do not hesitate to contact AUTOGINE customer support. We are committed to providing a satisfactory solution within 24 hours.

Contact Information: Please refer to your purchase documentation or the official AUTOGINE website for the most current customer support contact details.

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