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Wagner Lighting BP1003

Wagner Lighting BP1003 Standard Multi-Purpose Light Bulb Instruction Manual

Essential information for installation, operation, and maintenance.

1. Introduction

The Wagner Lighting BP1003 is a standard multi-purpose light bulb designed for a wide range of interior and exterior automotive lighting applications. This bulb delivers long-lasting dependability, featuring a continuous coil filament engineered to resist shock and vibration, which contributes to its extended service life. It is constructed with high-grade filament and, where applicable, natural amber glass for reliable and consistent performance. Wagner lighting products are Department of Transportation (DOT) compliant and meet or exceed Society of Automotive Engineers (SAE) standards, ensuring quality and safety.

2. Product Overview

The BP1003 bulb is a miniature incandescent lamp suitable for various automotive lighting functions. Its design focuses on durability and consistent light output.





Figure 1: Front view of the Wagner Lighting BP1003 Standard Multi-Purpose Light Bulb, showcasing its clear glass envelope, internal filament, and metal base.



Figure 2: Close-up view of the base of the BP1003 bulb, illustrating the contact points for electrical connection.

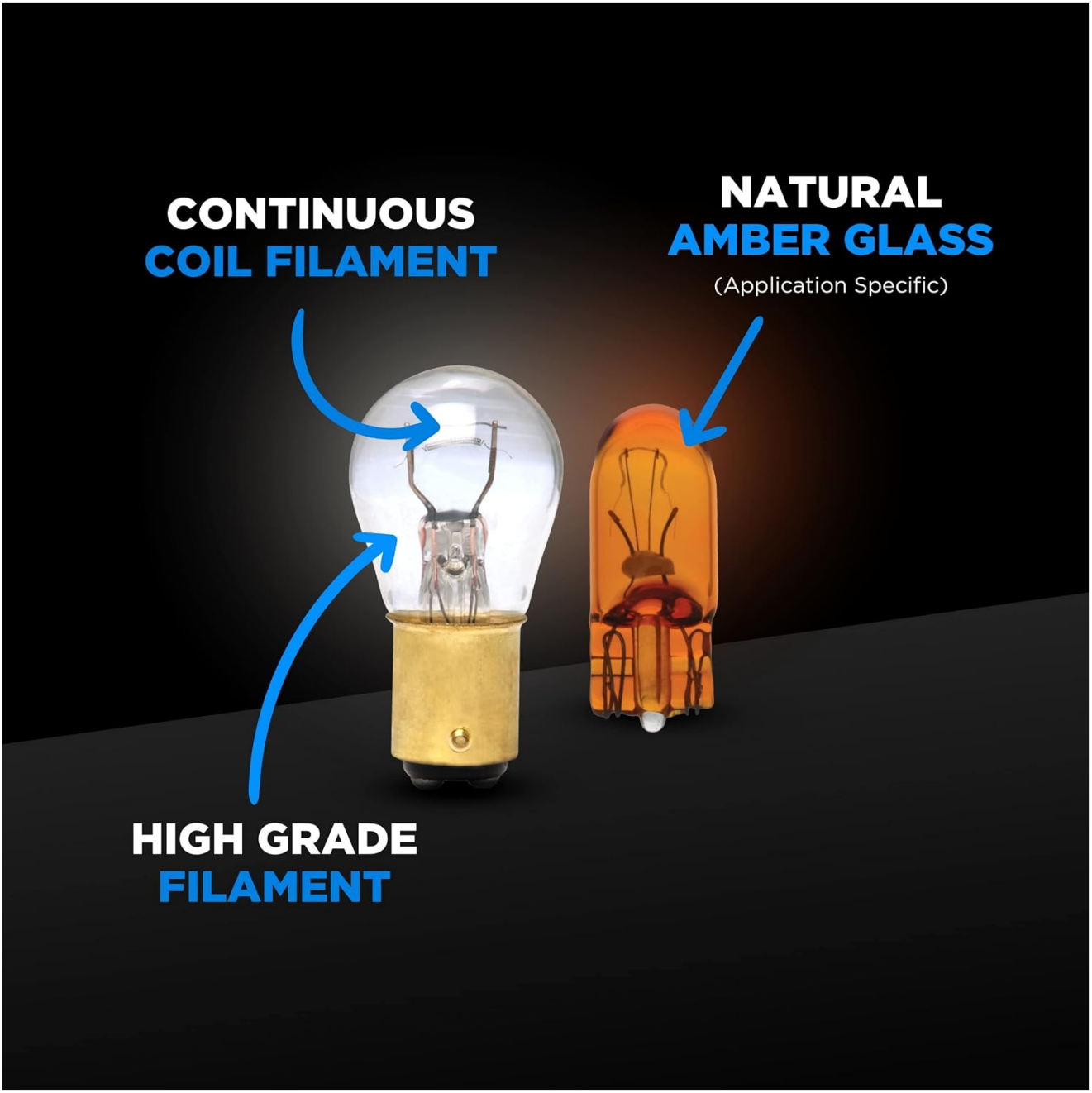


Figure 3: Illustration highlighting the continuous coil filament and high-grade filament construction, key features for durability and performance.



Figure 4: Visual representation of the bulb's multipurpose lighting capabilities, including turn signals, taillights, brake lights, and cargo lights.

3. Compatibility

The Wagner Lighting BP1003 bulb is compatible with a range of vehicle models. It is crucial to verify compatibility for your specific vehicle before purchase and installation.

Known Compatibility:

- 2011-2012 VPG MV-1
- 2014-2017 Mobility Ventures MV-1
- 1989-1995 Subaru Justy
- 1958-1963 Chrysler 300
- 1975-1983 Chrysler Cordoba
- 1977-1978 Chrysler Cordoba
- 1977-1977 Chrysler Cordoba
- 1979-1983 Chrysler Cordoba

- 1983-1984 Chrysler E-Class

Important: Before purchasing, research to ensure that the part will fit your vehicle. Enter all vehicle information (year, make, model, engine, and trim) for compatibility and check any qualifier notes.

4. Installation and Setup

Replacing an automotive light bulb typically involves a few general steps. Always consult your vehicle's owner's manual for specific instructions and safety precautions related to your vehicle's make and model.

Safety Precautions:

- Ensure the vehicle's ignition is off and the parking brake is engaged.
- Allow the old bulb to cool down before handling, as it may be hot.
- Wear protective gloves to avoid transferring oils from your skin to the new bulb, which can reduce its lifespan.
- Disconnect the vehicle's battery if working near electrical components to prevent accidental shorts.

General Installation Steps:

1. **Locate the Bulb:** Identify the specific light assembly (e.g., turn signal, taillight, interior dome light) that requires a bulb replacement. Access may require removing a lens cover, trim panel, or accessing from behind the assembly.
2. **Remove the Old Bulb:** Carefully twist or pull the old bulb from its socket. Some bulbs may have a retaining clip or twist-lock mechanism.
3. **Insert the New Bulb:** Align the base of the new Wagner BP1003 bulb with the socket and gently push or twist it into place until it is secure. Do not force the bulb.
4. **Test the Light:** Before reassembling any covers or panels, turn on the vehicle's ignition and test the newly installed bulb to ensure it functions correctly.
5. **Reassemble:** Once confirmed working, reattach any covers, panels, or clips that were removed during the process.

5. Operation

The Wagner Lighting BP1003 bulb operates as a standard incandescent light source. When electrical current is supplied through the vehicle's wiring system, the filament inside the bulb heats up and emits light. Its multi-purpose design allows it to function effectively in various automotive lighting roles, providing illumination as intended by the vehicle's electrical system.

6. Maintenance

Light bulbs are consumable components and generally do not require routine maintenance beyond replacement when they cease to function. However, periodic inspection can help ensure optimal performance:

- **Visual Inspection:** Periodically check all exterior and interior lights to ensure they are functioning.
- **Cleanliness:** Keep light covers and lenses clean to maximize light output.
- **Proper Handling:** When replacing bulbs, handle them by their base to avoid touching the glass, which can leave oily residues that shorten bulb life.

7. Troubleshooting

If your Wagner Lighting BP1003 bulb is not functioning after installation, consider the following troubleshooting steps:

- **Check Connection:** Ensure the bulb is fully seated and securely connected in its socket. A loose connection is a common cause of non-illumination.
- **Verify Power:** Confirm that the vehicle's electrical system is supplying power to the light assembly. This can be checked by testing other lights in the same circuit or using a multimeter if you are familiar with electrical testing.
- **Inspect Fuse:** A blown fuse in the vehicle's fuse box can prevent power from reaching the light. Locate the relevant fuse for the light circuit and inspect it. Replace if necessary with a fuse of the correct amperage.
- **Bulb Defect:** Although rare, a new bulb can sometimes be defective. If all other troubleshooting steps fail, try installing another new bulb to rule out a faulty unit.
- **Socket Damage:** Inspect the bulb socket for corrosion, bent terminals, or other damage that might prevent proper electrical contact.

8. Specifications

Detailed specifications for the Wagner Lighting BP1003 Multi-Purpose Light Bulb are provided below:

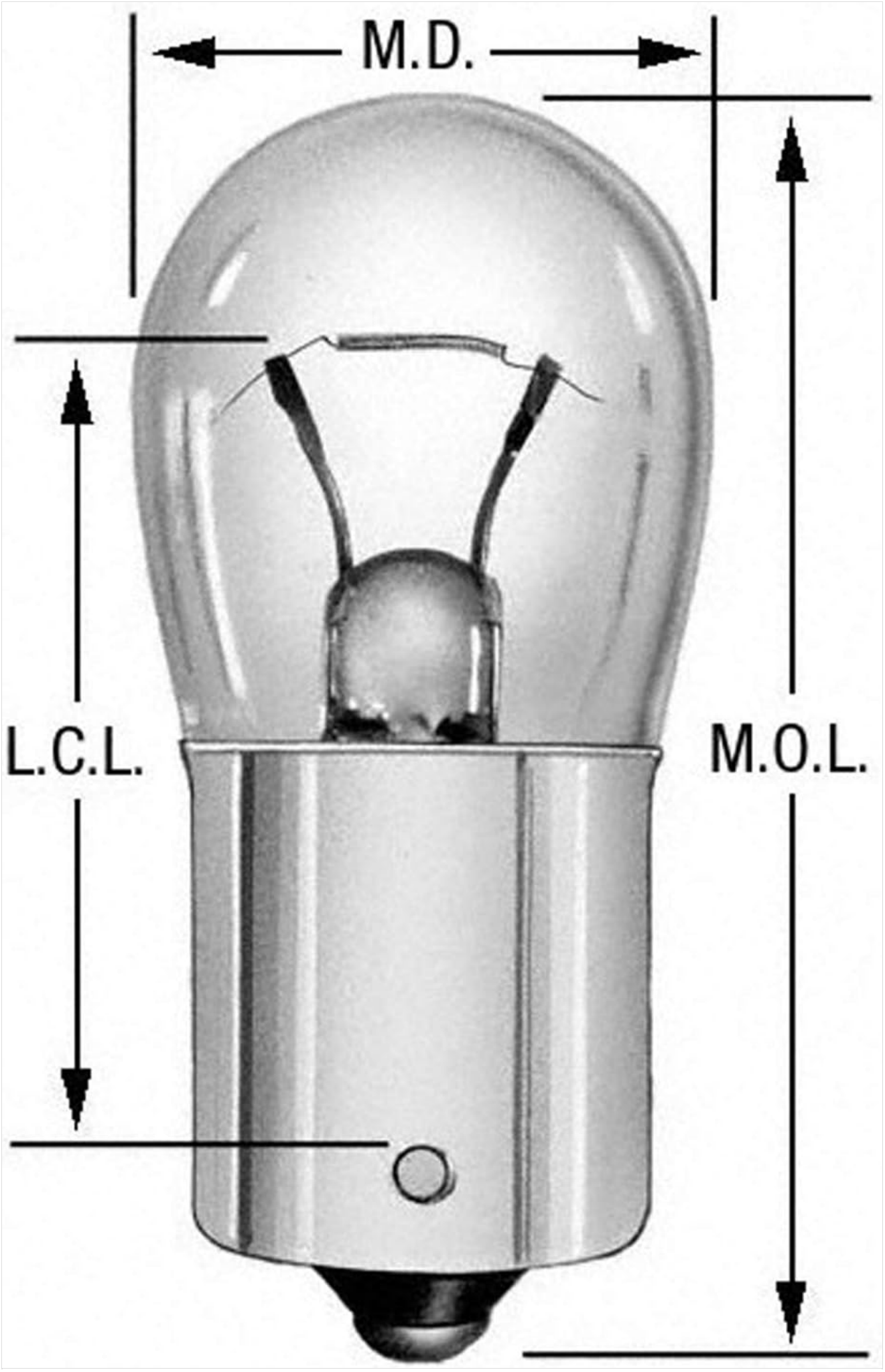

M.D.
L.C.L.
M.O.L.

Figure 5: Technical diagram illustrating key dimensions of the bulb, including Maximum Overall Length (M.O.L.), Light Center Length (L.C.L.), and Maximum Diameter (M.D.).

Specification	Detail
Brand	Wagner Lighting
Model Number	BP1003
Manufacturer	Federal Mogul
Voltage	12 Volts
Item Weight	0.01 ounces
Product Dimensions	1 x 0.1 x 5 inches
UPC	042723310035
Auto Part Position	Front (as per general application)
Mirror Lighting Type	automotive-exterior-headlight-bulbs (category classification)
First Available Date	August 17, 2005

9. Warranty and Support

Specific warranty details for the Wagner Lighting BP1003 bulb are typically provided at the point of purchase or on the product packaging. For detailed warranty information or technical support, please refer to the official Wagner Lighting website or contact their customer service department directly. Always retain your proof of purchase for any warranty claims.

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