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## OSRAM 7510TSP

# OSRAM TRUCKSTAR PRO PY21W Halogen Signal Lamp Instruction Manual

Model: 7510TSP

## INTRODUCTION

The OSRAM TRUCKSTAR PRO PY21W is a high-performance halogen signal lamp designed specifically for 24V commercial vehicles. This bulb serves as a reliable solution for various lighting functions, including signal lamps, brake lights, and rear fog lights. Engineered for demanding applications, the TRUCKSTAR PRO series offers enhanced durability and extended service life compared to standard 24V bulbs, making it an ideal choice for fleet operators and professional users seeking reduced maintenance and increased operational uptime.

### Key Features:

- Proven reliability in millions of vehicles from leading automobile manufacturers.
- Delivers high brightness and consistent performance throughout its lifespan.
- Offers up to 100% longer lifetime compared to standard halogen lamps.
- Features very high vibration resistance, suitable for heavy-duty applications.





Image: OSRAM TRUCKSTAR PRO PY21W halogen signal lamp, packaged for commercial use.

## SETUP AND INSTALLATION

Installation of the OSRAM TRUCKSTAR PRO PY21W bulb should be performed with care. Always refer to your vehicle's owner's manual for specific instructions regarding bulb replacement procedures, as these can vary significantly between vehicle models.

1. **Safety First:** Ensure the vehicle's ignition is off and the lights are switched off. Allow any existing bulbs to cool down before handling. Wear protective gloves to avoid transferring oils from your skin to the new bulb, which can reduce its lifespan.
2. **Access the Bulb:** Locate the light assembly (signal lamp, brake light, or rear fog light) on your commercial vehicle. Access typically involves opening the hood, trunk, or removing a panel, depending on the bulb's

location.

3. **Remove Old Bulb:** Carefully twist or unclip the bulb holder from the light assembly. Gently pull the old bulb straight out from its socket. Avoid excessive force.
4. **Insert New Bulb:** Align the base of the new OSRAM TRUCKSTAR PRO PY21W bulb with the socket. Push it firmly into place and then twist or clip the bulb holder back into the light assembly until it is secure. Ensure a snug fit to prevent vibration-related issues.
5. **Test Functionality:** Before reassembling any covers or panels, turn on the vehicle's ignition and test the newly installed bulb to ensure it functions correctly.
6. **Reassemble:** Once confirmed operational, reattach any covers or panels removed during the installation process.



Image: A detailed view of the OSRAM TRUCKSTAR PRO PY21W halogen bulb, showing its orange glass and metal base.

## OPERATING INSTRUCTIONS

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The OSRAM TRUCKSTAR PRO PY21W bulb operates as a direct replacement for standard PY21W bulbs in 24V commercial vehicle electrical systems. Once correctly installed, its operation is integrated with your vehicle's existing lighting controls.

- **Signal Lamps:** When activated via the turn signal lever, the bulb will flash to indicate a turn or lane change.
- **Brake Lights:** The bulb will illuminate when the brake pedal is pressed, signaling deceleration to following vehicles.
- **Rear Fog Lights:** If your vehicle is equipped with rear fog lights and the function is activated, the bulb will provide enhanced visibility in adverse weather conditions.

This bulb is designed for optimal performance within 24V systems and complies with ECE regulation 37, ensuring it is fully road legal for its intended applications.



Image: The OSRAM TRUCKSTAR PRO PY21W halogen bulb glowing, demonstrating its light output.

## MAINTENANCE

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The OSRAM TRUCKSTAR PRO PY21W bulbs are engineered for extended durability and reduced maintenance. However, periodic checks are recommended to ensure optimal performance and safety.

- **Regular Inspection:** Periodically check all exterior lights on your vehicle to ensure they are functioning correctly. This includes signal lamps, brake lights, and rear fog lights.
- **Cleaning:** Keep the light assembly lenses clean from dirt, mud, and debris to ensure maximum light output and visibility.
- **Replacement:** While TRUCKSTAR PRO bulbs offer a significantly longer lifespan, all bulbs will eventually require replacement. Replace bulbs in pairs if possible, especially for critical lighting functions, to maintain consistent light output and color.
- **Handling:** When replacing bulbs, avoid touching the glass part of the bulb with bare hands. Oils from your skin can create hot spots, leading to premature failure. Use a clean cloth or gloves.

## TROUBLESHOOTING

If you experience issues with your OSRAM TRUCKSTAR PRO PY21W bulb, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Bulb does not illuminate	<ul style="list-style-type: none"> <li>• Blown bulb filament</li> <li>• Loose or corroded electrical connection</li> <li>• Faulty fuse</li> <li>• Vehicle wiring issue</li> </ul>	<ul style="list-style-type: none"> <li>• Replace the bulb.</li> <li>• Check the bulb socket and wiring for secure connections and corrosion. Clean if necessary.</li> <li>• Inspect and replace the relevant fuse in your vehicle's fuse box.</li> <li>• Consult a qualified vehicle electrician for wiring diagnostics.</li> </ul>
Bulb flickers or illuminates intermittently	<ul style="list-style-type: none"> <li>• Loose connection in the socket</li> <li>• Vibration</li> <li>• Corrosion</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure the bulb is securely seated in its socket.</li> <li>• Check for any signs of corrosion on the contacts and clean them.</li> <li>• Verify the bulb holder is firmly attached to the light assembly.</li> </ul>
Bulb burns out prematurely	<ul style="list-style-type: none"> <li>• Incorrect voltage (e.g., 12V bulb in 24V system)</li> <li>• Excessive vibration</li> <li>• Oil/grease on bulb glass during installation</li> <li>• Faulty vehicle voltage regulator</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure you are using the correct 24V bulb for your commercial vehicle.</li> <li>• Verify the bulb is securely installed to minimize vibration.</li> <li>• Always handle new bulbs with gloves or a clean cloth.</li> <li>• Have your vehicle's electrical system checked by a professional.</li> </ul>

## SPECIFICATIONS

Detailed technical specifications for the OSRAM TRUCKSTAR PRO PY21W halogen signal lamp:

Attribute	Value
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Attribute	Value
Brand	OSRAM
Model Number	7510TSP
Bulb Type	PY21W (Halogen Signal Lamp)
Voltage	24 Volts
Wattage	21 Watts
Color	Orange
Fit Type	Universal Fit
Auto Part Position	Rear
Compliance	ECE Regulation 37
Dimensions	3.13 x 2.18 x 1.95 inches (approximate)
Item Weight	0.44 ounces (approximate)

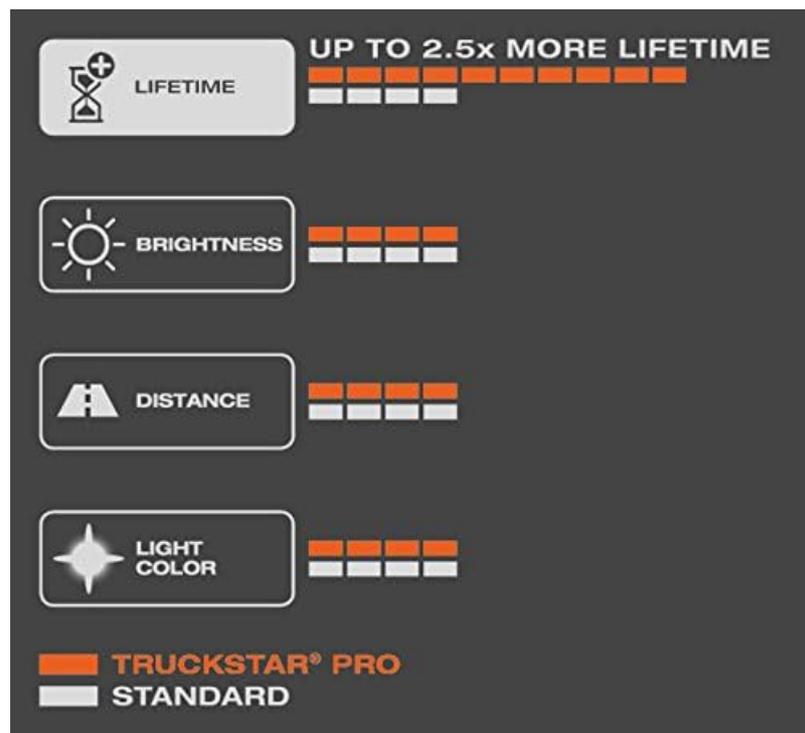


Image: Performance comparison graphic highlighting the extended lifetime and increased brightness of TRUCKSTAR PRO bulbs over standard bulbs.

## WARRANTY INFORMATION

Specific warranty terms for the OSRAM TRUCKSTAR PRO PY21W bulbs are typically provided at the point of purchase or can be found on the official OSRAM website. Please retain your proof of purchase for any warranty claims. OSRAM stands by the quality and durability of its products, offering solutions designed for long-lasting performance in demanding environments.

## CUSTOMER SUPPORT

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For further assistance, technical inquiries, or support regarding your OSRAM TRUCKSTAR PRO PY21W bulbs, please visit the official OSRAM website or contact their customer service department. You can often find detailed product information, FAQs, and contact options on their support pages.

**OSRAM Official Website:** [www.osram.com](http://www.osram.com)