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Technical Precision VECTOR WORK LIGHT

Technical Precision Replacement Halogen Bulb for Federal Signal Vector Work Light User Manual

Model: VECTOR WORK LIGHT

PRODUCT OVERVIEW

This document provides instructions for the Technical Precision replacement halogen light bulb, designed for use with the Federal Signal Vector Work Light. This bulb serves as a direct replacement component.



Figure 1: Technical Precision Replacement Halogen Bulb. This image displays the replacement halogen light bulb. It features a clear glass envelope and a BA15S bayonet-style base, designed for easy installation into compatible fixtures.

SPECIFICATIONS

| | |
|-------------------|---------------------|
| Brand | Technical Precision |
| Model Name | VECTOR WORK LIGHT |
| Wattage | 50 Watts |
| Voltage | 12 Volts |
| Bulb Base | BA15S |
| Shape | Reflector (R) |
| Material | Copper |
| Unit Count | 1.0 Count |

SETUP AND INSTALLATION

- Safety First:** Before attempting any installation, ensure the power supply to the Federal Signal Vector Work Light is completely disconnected. Allow the existing bulb to cool down if it has been recently in use.
- Access the Bulb Socket:** Refer to your Federal Signal Vector Work Light's original manual for instructions on how to safely access the bulb socket. This typically involves opening a housing or cover.
- Remove Old Bulb:** Carefully grasp the old bulb, twist it counter-clockwise (if it's a bayonet base), and pull it straight out from the socket. Dispose of the old bulb responsibly.
- Insert New Bulb:** Align the pins on the base of the Technical Precision replacement bulb (BA15S) with the slots in the socket. Gently push the bulb into the socket and twist clockwise until it locks into place. Do not force the bulb.
- Secure Housing:** Re-secure any covers or housing components that were removed to access the bulb socket.
- Test Functionality:** Restore power to the Federal Signal Vector Work Light and test the new bulb to ensure proper operation.

Note: Avoid touching the glass part of the halogen bulb with bare hands during installation, as oils from your skin can create hot spots and reduce bulb life. Use a clean cloth or gloves if necessary.

OPERATING INSTRUCTIONS

Once installed, the Technical Precision replacement halogen bulb operates in conjunction with your Federal Signal Vector Work Light's existing controls. Simply activate the work light as you normally would. The bulb is designed to provide illumination as per the specifications of the original Federal Signal Vector Work Light system.

- Ensure the work light is connected to a compatible power source (12 Volts).
- Operate the light within its intended environmental conditions.
- Avoid direct exposure to water or extreme temperatures unless the work light fixture itself is rated for such conditions.

MAINTENANCE

The Technical Precision replacement halogen bulb requires minimal maintenance. Regular inspection of the bulb and its connections is recommended.

- **Cleaning:** If the bulb's glass surface becomes dirty, ensure the power is off and the bulb is cool. Gently wipe the glass with a clean, dry, lint-free cloth. Do not use abrasive cleaners or liquids.
- **Replacement:** Replace the bulb when it burns out or if its light output significantly diminishes. Follow the "Setup and

Installation" steps for replacement.

- **Connection Check:** Periodically check the bulb's connection in the socket to ensure it remains secure.

TROUBLESHOOTING

If the replacement bulb does not function correctly after installation, consider the following troubleshooting steps:

- **Bulb Not Lighting Up:**

- Ensure the power supply to the work light is active.
- Verify the bulb is correctly seated and twisted into the BA15S socket.
- Check for any loose wiring or damaged connections within the work light fixture (consult a qualified technician if unsure).
- Confirm the voltage of your Federal Signal Vector Work Light matches the bulb's 12V requirement.
- If possible, test the bulb in another compatible fixture or test the fixture with a known working bulb.

- **Dim or Flickering Light:**

- Check for proper voltage supply to the work light.
- Ensure the bulb is clean and free of debris or oils.
- Inspect the bulb's base and socket for corrosion or poor contact.

If these steps do not resolve the issue, contact the seller or a qualified electrician for further assistance.

WARRANTY AND SUPPORT

This product is a replacement part manufactured by Technical Precision. For specific warranty information or technical support regarding this replacement bulb, please refer to the seller or manufacturer's official website. The original Federal Signal Vector Work Light's warranty and support policies may not apply to this third-party replacement component. For additional assistance, you may contact Technical Precision directly via their [Amazon Store Page](#).

