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SEACHOICE 15131

SEACHOICE 304 Stainless Steel 12V Socket User Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your SEACHOICE 304 Stainless Steel 12V Socket. This product is designed to provide a reliable 12-volt power outlet for various automotive, marine, or other low-voltage applications. Constructed from durable 304 stainless steel, it offers resistance to corrosion and ensures long-lasting performance.



Image 1: SEACHOICE 304 Stainless Steel 12V Socket. This image displays the front view of the 12V socket, highlighting its stainless steel construction and the power outlet opening.

2. Safety Information

Please read and understand all safety instructions before installing or using this product. Failure to follow these instructions may result in electrical shock, fire, or property damage.

- **Disconnect Power:** Always disconnect the power source (e.g., vehicle battery) before performing any electrical

installation or maintenance.

- **Proper Fusing:** Install an appropriate fuse (not included) in the positive (+) power line as close to the power source as possible. Refer to the specifications for the recommended amperage.
- **Voltage Compatibility:** This socket is designed for 12-volt DC systems only. Do not connect to higher voltage systems.
- **Wiring:** Ensure all wiring connections are secure and properly insulated to prevent short circuits. Use appropriate gauge wire for the intended current draw.
- **Professional Installation:** If you are unsure about electrical wiring procedures, consult a qualified professional.
- **Environmental Conditions:** While the socket is made of stainless steel for corrosion resistance, ensure the installation location is protected from excessive moisture or direct water exposure if not rated for such conditions.

3. Package Contents

Verify that all items are present in the package:

- 1 x SEACHOICE 304 Stainless Steel 12V Socket
- Mounting Fasteners (screws)

4. Setup and Installation

Follow these steps for proper installation of the 12V socket:

1. **Choose Mounting Location:** Select a flat, secure surface for mounting the socket. Ensure there is sufficient space behind the mounting surface for wiring connections.
2. **Prepare Mounting Holes:** Use the socket's mounting plate as a template to mark the positions for the mounting screws. Drill pilot holes appropriate for the included fasteners.
3. **Wiring Connections:**
    - Connect the positive (+) wire from your 12V power source to the positive terminal of the socket. It is highly recommended to install an inline fuse (e.g., 15A or 20A, depending on connected devices) on this positive line, close to the power source.
    - Connect the negative (-) wire from your 12V power source (ground) to the negative terminal of the socket.
    - Ensure all connections are tight and insulated with electrical tape or heat shrink tubing to prevent accidental short circuits.
4. **Mount the Socket:** Secure the socket to the prepared mounting surface using the provided fasteners. Do not overtighten.
5. **Test Functionality:** Reconnect the power source. Insert a known working 12V accessory into the socket to verify proper operation.

5. Operating Instructions

To use the SEACHOICE 12V Socket:

1. Ensure the socket is properly installed and connected to a 12V DC power source.
2. Take your 12V compatible device (e.g., phone charger, portable air pump) and insert its plug firmly into the socket.
3. Verify that your device is receiving power and functioning as expected.
4. When finished, remove the device plug from the socket.

6. Maintenance

Regular maintenance helps ensure the longevity and reliable performance of your 12V socket:

- **Cleaning:** Periodically wipe the exterior of the socket with a clean, damp cloth to remove dust and dirt. Avoid using abrasive cleaners or solvents.
- **Connection Check:** Annually, or if issues arise, inspect the wiring connections to ensure they remain tight and free from corrosion.
- **Corrosion Inspection:** Although made of stainless steel, inspect for any signs of corrosion, especially in marine environments. Clean any corrosion with a suitable stainless steel cleaner.

7. Troubleshooting

If you encounter issues with your 12V socket, refer to the following troubleshooting guide:

- **No Power to Device:**
  - Check the fuse in the positive power line. Replace if blown (ensure correct amperage).
  - Verify all wiring connections are secure and making good contact.
  - Ensure the 12V power source is active.
  - Test the device in another known working 12V socket to rule out device malfunction.
- **Device Plug Fits Loosely:**
  - Some 12V plugs may have slight variations. Ensure the plug is fully inserted.
  - Inspect the socket's internal contacts for damage or debris.
- **Socket Overheating:**
  - Disconnect the device immediately.
  - Ensure the connected device's current draw does not exceed the socket's 16A rating.
  - Check for short circuits in the wiring or the connected device.

8. Specifications

Technical details for the SEACHOICE 304 Stainless Steel 12V Socket:

Brand	SEACHOICE
Model Number	15131
Material	304 Stainless Steel
Voltage	12 Volts DC
Amperage	16 Amps
Product Dimensions (L x W)	2" x 1.5"
UPC	719249151311

9. Warranty and Support

SEACHOICE products are manufactured to high-quality standards. For specific warranty information or technical support, please refer to the official SEACHOICE website or contact their customer service directly. Keep your purchase receipt for warranty claims.

For further assistance, you may visit the SEACHOICE Store on Amazon or contact the seller.

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