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Forney 58402

Forney 58402 Electrical Receptacle Instruction Manual

Model: 58402

1. PRODUCT OVERVIEW

The Forney 58402 is a heavy-duty Bakelite pin-type wall electrical receptacle designed for surface mounting. It features a 2-pole/3-wire grounding configuration, suitable for high-power applications. This receptacle is rated for 50 Amps at 125/250 Volts and conforms to NEMA 6-50 standards.

Key Features:

- Heavy duty Bakelite pin-type design for durability.
- Wall electrical receptacle for surface mounting.
- 2-pole/3-wire grounding for enhanced safety.
- 50 Amp with 125/250-Volt capacity.
- NEMA 6-50 electrical configuration.



Figure 1: Front view of the Forney 58402 Electrical Receptacle, showing the pin configuration and voltage/ampere ratings.

2. SAFETY INFORMATION

WARNING: Electrical work can be hazardous. Always disconnect power at the circuit breaker or fuse box before installing, servicing, or removing this receptacle. Failure to do so may result in serious injury or death. If you are unsure about any part of these instructions, consult a qualified electrician.

- Ensure all local and national electrical codes are followed.
- Use appropriate personal protective equipment (PPE), such as insulated gloves and safety glasses.
- Verify the voltage and amperage of your circuit match the receptacle's ratings (50A, 125/250V).
- Do not use this receptacle if it appears damaged.
- Keep children away from electrical installations.

3. SETUP AND INSTALLATION

This section provides general guidelines for installing the Forney 58402 wall receptacle. Specific wiring configurations may vary based on local codes and existing electrical systems.

Tools and Materials Required:

- Screwdrivers (Phillips and Flathead)
- Wire strippers
- Voltage tester
- Mounting screws (appropriate for surface)
- Electrical box (if not already present)

Installation Steps:

1. **Disconnect Power:** Locate the circuit breaker or fuse controlling the circuit where the receptacle will be installed and turn it OFF. Verify power is off using a voltage tester.
2. **Prepare Mounting Surface:** Ensure the surface is clean, dry, and structurally sound. The receptacle is designed for surface mounting.
3. **Mount the Receptacle Base:** Position the receptacle base on the desired surface. Use appropriate mounting screws to secure it firmly. The back of the receptacle features pre-drilled holes for this purpose.



Figure 2: Back view of the Forney 58402 Receptacle, showing the metal mounting plate and screw holes for surface installation.

4. **Wire Connections:** This receptacle is a 2-pole/3-wire grounding type (NEMA 6-50). It typically requires two hot wires (L1, L2) and one ground wire.

- Strip approximately 1/2 inch of insulation from each wire.
- Connect the L1 (Hot) wire to one of the brass-colored terminals.
- Connect the L2 (Hot) wire to the other brass-colored terminal.
- Connect the Ground wire (typically green or bare copper) to the green hexagonal grounding screw.



Figure 3: Bottom view of the Forney 58402 Receptacle, illustrating the internal wiring access points and terminals.

5. **Secure Wiring:** Ensure all wire connections are tight and secure. No bare wire should be exposed outside the terminals.

6. **Reassemble:** Carefully place the cover over the wired base and secure it with the provided screws.
7. **Restore Power:** Once installation is complete and verified, turn the power back ON at the circuit breaker or fuse box.

4. OPERATING INSTRUCTIONS

The Forney 58402 Electrical Receptacle is designed for straightforward operation.

1. **Verify Compatibility:** Ensure the plug of your electrical device is compatible with the NEMA 6-50 configuration of this receptacle.



Figure 4: Close-up view of the Forney 58402 Receptacle's pin configuration, showing the 50A 250V markings.

2. **Insert Plug:** Align the pins of your device's plug with the slots on the receptacle and firmly insert the plug.
3. **Remove Plug:** To disconnect, grasp the plug firmly and pull it straight out from the receptacle. Do not pull by the cord.

5. MAINTENANCE

Regular inspection and basic maintenance will help ensure the longevity and safe operation of your Forney 58402 receptacle.

- **Periodic Inspection:** Annually inspect the receptacle for any signs of damage, cracks, discoloration, or loose connections.
- **Cleaning:** With power disconnected, gently wipe the exterior of the receptacle with a dry, clean cloth to remove dust or debris. Do not use liquid cleaners.
- **Tighten Connections:** If comfortable and with power disconnected, periodically check and tighten the terminal screws to ensure secure wire connections.

- **Environmental Protection:** If installed in a damp or dusty environment, ensure the receptacle is adequately protected from moisture and excessive dust accumulation.

6. TROUBLESHOOTING

If you experience issues with your Forney 58402 receptacle, consider the following common troubleshooting steps:

| Problem | Possible Cause | Solution |
|--------------------------|---------------------------------------|--|
| No power from receptacle | Circuit breaker tripped or fuse blown | Check your electrical panel and reset the breaker or replace the fuse. |
| No power from receptacle | Loose wiring connection | With power disconnected, inspect and tighten all wire connections within the receptacle. |
| Plug does not fit | Incompatible plug type | Ensure your device's plug is a NEMA 6-50 type. Do not force incompatible plugs. |
| Receptacle feels hot | Overload or loose connection | Immediately disconnect power. Reduce load or check wiring. Consult an electrician if problem persists. |

If troubleshooting steps do not resolve the issue, or if you are unsure, contact a qualified electrician.

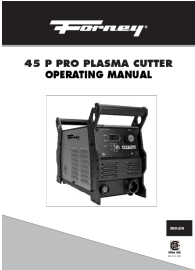
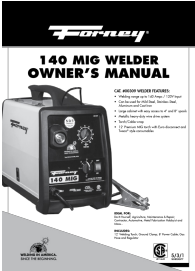



7. SPECIFICATIONS


| Attribute | Value |
|---------------------|------------------------------------|
| Brand | Forney |
| Model | 58402 |
| Type | Pin-Type Wall Receptacle |
| Amperage | 50 Amps |
| Voltage | 125/250 Volts |
| NEMA Configuration | 6-50 |
| Poles/Wires | 2-Pole, 3-Wire Grounding |
| Material | Bakelite (Housing), Plastic (Body) |
| Color | Black |
| Total Power Outlets | 1 |
| Compatible Devices | All (NEMA 6-50 compatible) |

8. WARRANTY AND SUPPORT

Specific warranty details for the Forney 58402 Electrical Receptacle are not provided in this manual. For warranty information, technical support, or service inquiries, please refer to the product packaging or contact Forney customer service directly.

Related Documents - 58402

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|---|--|
|  | <p>Forney 45 P PRO Plasma Cutter Operating Manual</p> <p>Comprehensive operating manual for the Forney 45 P PRO Plasma Cutter, detailing installation, safety, operation, maintenance, and troubleshooting procedures. Includes specifications, parts diagrams, and guidance for optimal performance and safety.</p> |
|  | <p>Forney 140 MIG Welder Owner's Manual - Model #00309</p> <p>Comprehensive owner's manual for the Forney 140 MIG Welder (Cat. #00309), covering features, safety, installation, operation, troubleshooting, and parts list. Learn how to use your Forney welder effectively and safely.</p> |
|  | <p>Forney Parson Chair Assembly Instructions - Step-by-Step Guide</p> <p>Detailed assembly instructions for the Forney Parson Chair, including part lists, hardware lists, and step-by-step guidance for easy setup. Learn how to assemble your new chair efficiently.</p> |
|  | <p>Forney PRO ADF Welding Mask with Hood Owner's Manual</p> <p>Comprehensive owner's manual for the Forney PRO ADF Welding Mask with Hood, detailing safety precautions, specifications, operating instructions, maintenance procedures, and troubleshooting tips for optimal use.</p> |
|  | <p>Forney EASY WELD 180 ST Welder Quick Start Guide</p> <p>Quick start guide for the Forney EASY WELD 180 ST welder, covering setup, operation, and troubleshooting for both TIG and Stick welding processes. Includes recommended settings and common issue resolutions.</p> |



[Forney 45 P Pro Plasma Cutter Quick Start Guide](#)

Quick start guide for the Forney 45 P Pro Plasma Cutter, covering setup, operation tips, and troubleshooting. Includes model number 445 and brand Forney.