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Proto J298

Proto J298 Wire Stripper Pliers 8-1/4" User Manual

Model: J298 | Brand: Proto

1. INTRODUCTION

Thank you for choosing the Proto J298 Wire Stripper Pliers. This versatile tool is designed for a variety of electrical tasks, including stripping, crimping, and cutting wires. Its robust construction and ergonomic design ensure reliable performance and comfortable use. Please read this manual thoroughly before operating the tool to ensure safe and effective use.



Figure 1: The Proto J298 Wire Stripper Pliers, featuring red plastisol grips and a black metal head with various functional sections for stripping, crimping, and cutting wires.

2. SAFETY INFORMATION

Always prioritize safety when using hand tools. Failure to follow safety guidelines can result in injury or damage to the tool.

- Wear appropriate personal protective equipment, such as safety glasses, to protect against flying debris.
- Ensure the work area is well-lit and free from obstructions.
- Do not use the tool on live electrical circuits. Always disconnect power before working on wires.
- Inspect the tool before each use for any signs of damage or wear. Do not use a damaged tool.
- Keep hands and fingers clear of the cutting and crimping jaws during operation.
- Store the tool in a dry, secure place, out of reach of children.

3. SETUP

The Proto J298 Wire Stripper Pliers are ready for use out of the packaging. No assembly is required. Before first use, familiarize yourself with the different parts and their functions.

- **Stripping Jaws:** Located near the pivot, these are marked with various AWG (American Wire Gauge) sizes for precise wire insulation removal.
- **Crimping Jaws:** Positioned closer to the handles, these are used for securing terminals to wires.
- **Cutting Blades:** The sharp edges near the pivot are for cutting wires.
- **Plier Nose:** The tip of the tool, designed for gripping, bending, and pulling wires.
- **Bolt Cutter:** Located between the handles, designed for cutting specific bolt sizes.

4. OPERATING INSTRUCTIONS

4.1 Wire Stripping

1. Identify the gauge of the wire you intend to strip (e.g., 10 AWG, 14 AWG, 22 AWG).
2. Locate the corresponding stripping hole on the pliers.
3. Insert the wire into the correct stripping hole, ensuring only the insulation is within the jaws.
4. Close the handles firmly, but do not cut through the wire itself.
5. Rotate the pliers slightly around the wire, then pull the pliers away from the wire end to remove the insulation.

4.2 Wire Crimping

The tool supports crimping for insulated and non-insulated terminals for 10-22 AWG wire, as well as non-insulated 7 mm and 8 mm auto ignition wire.

1. Select the appropriate terminal for your wire and application.
2. Strip the wire to the correct length for the terminal.
3. Insert the terminal into the corresponding crimping jaw on the pliers.
4. Insert the stripped wire into the terminal.
5. Squeeze the handles firmly until the crimp is secure. Ensure a tight connection.

4.3 Wire and Bolt Cutting

The pliers feature an extended length curved cutter for copper wire and a dedicated bolt cutter.

- **Copper Wire Cutting:** Place the copper wire into the curved cutting blades near the pivot. Squeeze the handles to cut. This cutter is designed to handle heavier wire with less force.
- **Bolt Cutting:** The tool can cut screw/bolt sizes 4-40, 5-40, 6-32, 8-32, 10-32, and 10-24. Identify the correct threaded hole for your bolt size. Insert the bolt into the hole and squeeze the handles to cut. The cut end will be clean and ready for use.

4.4 Gripping, Bending, and Pulling

The plier nose is designed for general utility tasks.

- Use the serrated jaws at the tip to grip, bend, or pull wires and small components.

5. MAINTENANCE

Proper maintenance will extend the life of your Proto J298 Wire Stripper Pliers.

- **Cleaning:** After each use, wipe the tool clean with a dry cloth to remove any dirt, dust, or debris.
- **Lubrication:** Periodically apply a small amount of light machine oil to the pivot point to ensure smooth operation.
- **Storage:** Store the pliers in a dry environment to prevent rust. Avoid storing in damp or corrosive conditions.
- **Inspection:** Regularly inspect the jaws, cutting blades, and handles for wear, damage, or looseness. Replace the tool if significant damage is observed.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Wire insulation not stripping cleanly.	Incorrect stripping hole size selected; dull blades; insufficient pressure.	Ensure the correct AWG size hole is used. Apply firm, even pressure. If blades are dull, consider tool replacement.
Wire being cut during stripping.	Incorrect stripping hole size selected (too small); excessive pressure.	Use the correct AWG size hole. Apply less pressure, focusing on cutting only the insulation.
Crimped terminals are loose.	Incorrect crimping jaw used; insufficient pressure; wrong terminal size for wire.	Ensure the correct crimping jaw is used for the terminal type. Apply maximum pressure. Verify terminal and wire compatibility.
Difficulty cutting bolts.	Incorrect bolt size hole used; bolt material too hard for tool.	Ensure the correct threaded hole is used for the bolt size. The tool is designed for specific bolt sizes and copper wire; do not use on hardened steel bolts.

7. SPECIFICATIONS

Brand	Proto
Model Number	J298
Item Weight	7.2 ounces
Product Dimensions	1 x 1 x 1 inches (Approximate)
Material	Blend (Tool steel with plastisol grips)
Grip Type	Ergonomic Plastisol
Wire Stripping Capacity	10-22 AWG (American Wire Gauge)
Terminal Crimping Capacity	Insulated and non-insulated terminals for 10-22 AWG wire; non-insulated 7 mm and 8 mm auto ignition wire
Bolt Cutting Capacity	4-40, 5-40, 6-32, 8-32, 10-32, 10-24 screw/bolt sizes
Included Components	Wire Stripper Pliers 8-1/4"

UPC	662679031053
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8. WARRANTY AND SUPPORT





The Proto J298 Wire Stripper Pliers are covered by a manufacturer's warranty. For specific details regarding warranty coverage, claims, or technical support, please refer to the official Proto website or contact their customer service department directly. Keep your purchase receipt as proof of purchase.



For further assistance, you may visit the [Stanley Proto official website](#).



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Related Documents - J298

	Proto SLG™ Ultralite Paintball Marker Owner's Manual Comprehensive owner's manual for the Proto SLG™ Ultralite paintball marker, covering safety instructions, quick start guide, board settings, adjustments, maintenance, troubleshooting, parts list, and warranty information.
	PROTO Smart Torque Wrench J6110BT, J6112BT, J6114BT Instruction Manual Comprehensive instruction manual for PROTO Smart Torque Wrenches (Models J6110BT, J6112BT, J6114BT). Covers safety warnings, operating procedures, technical specifications, charging, maintenance, and warranty information.
	Proto & FACOM Electrical Tools Catalog - Insulated Hand Tools for Electricians Explore the comprehensive range of Proto and FACOM insulated electrical tools, including screwdrivers, pliers, wrenches, and socket sets designed for safe work on live circuits up to 1000V AC. Essential safety features and product details for electricians.
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<div><div><div>PTSolns</div><div>Proto-ESP</div><div>Development Board (ESP-32)</div></div><div><div>1 DESCRIPTION</div><div><p>The Proto-ESP board is a powerful, compact, and easy-to-use development board for ESP8266-based projects. It features a variety of pins, headers, and connectors, making it ideal for prototyping and testing your ESP-based designs.</p><p>Key features include:</p><ul style="list-style-type: none">ESP8266 module5V and GND pinsDigital pins (GPIO)Analog pins (ADC)UART pinsI2C pinsSPI pinsUSB pinsPower pins</div><div></div><div><p>The Proto-ESP board is a powerful, compact, and easy-to-use development board for ESP8266-based projects. It features a variety of pins, headers, and connectors, making it ideal for prototyping and testing your ESP-based designs.</p><p>Key features include:</p><ul style="list-style-type: none">ESP8266 module5V and GND pinsDigital pins (GPIO)Analog pins (ADC)UART pinsI2C pinsSPI pinsUSB pinsPower pins</div><div><div>Copyright © 2023 PTSolns Technology Inc. All Rights Reserved.</div><div>Page 1 of 1</div></div></div></div>	<div><div>PTSolns Proto-ESP Datasheet and User Guide</div><div>Detailed datasheet and usage guide for the PTSolns Proto-ESP, a versatile prototyping platform for ESP-based development boards, covering features, specifications, and applications.</div></div>
<div><div><div>PTSolns</div><div>Proto-ESP</div><div>Development Board (ESP-32)</div></div><div><div>1 DESCRIPTION</div><div><p>The Proto-ESP board is a powerful, compact, and easy-to-use development board for ESP8266-based projects. It features a variety of pins, headers, and connectors, making it ideal for prototyping and testing your ESP-based designs.</p><p>Key features include:</p><ul style="list-style-type: none">ESP8266 module5V and GND pinsDigital pins (GPIO)Analog pins (ADC)UART pinsI2C pinsSPI pinsUSB pinsPower pins</div><div></div><div><p>The Proto-ESP board is a powerful, compact, and easy-to-use development board for ESP8266-based projects. It features a variety of pins, headers, and connectors, making it ideal for prototyping and testing your ESP-based designs.</p><p>Key features include:</p><ul style="list-style-type: none">ESP8266 module5V and GND pinsDigital pins (GPIO)Analog pins (ADC)UART pinsI2C pinsSPI pinsUSB pinsPower pins</div><div><div>Copyright © 2023 PTSolns Technology Inc. All Rights Reserved.</div><div>Page 1 of 1</div></div></div></div>	<div><div>PTSolns Proto-ESP Datasheet: A Versatile Prototyping Platform</div><div>Explore the PTSolns Proto-ESP, a robust prototyping platform designed for seamless integration with ESP-based development boards. This datasheet details its features, specifications, and usage for efficient hardware development.</div></div>