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- › [KNIPEX](#) /
- › [KNIPEX 3-Piece Electrical Tool Set \(9K0080158US\) Instruction Manual](#)

KNIPEX 9K0080158US

KNIPEX 3-Piece Electrical Tool Set (9K0080158US) Instruction Manual

INTRODUCTION

This manual provides essential information for the safe and effective use, maintenance, and care of your KNIPEX 3-Piece Electrical Tool Set, model 9K0080158US. This set includes a Forged Wire Stripper, Lineman's Pliers, and High Leverage Diagonal Cutter, designed for various electrical applications. Please read this manual thoroughly before using the tools.

PRODUCT OVERVIEW

The KNIPEX 3-Piece Electrical Tool Set (9K0080158US) is engineered for professional electrical work, offering precision, durability, and ergonomic design. The set comprises the following tools:

- **Forged Wire Stripper:** For stripping, cutting, and crimping wires.
- **Lineman's Pliers:** For gripping, cutting, and twisting wires.
- **High Leverage Diagonal Cutter:** For efficient cutting of various wire types.

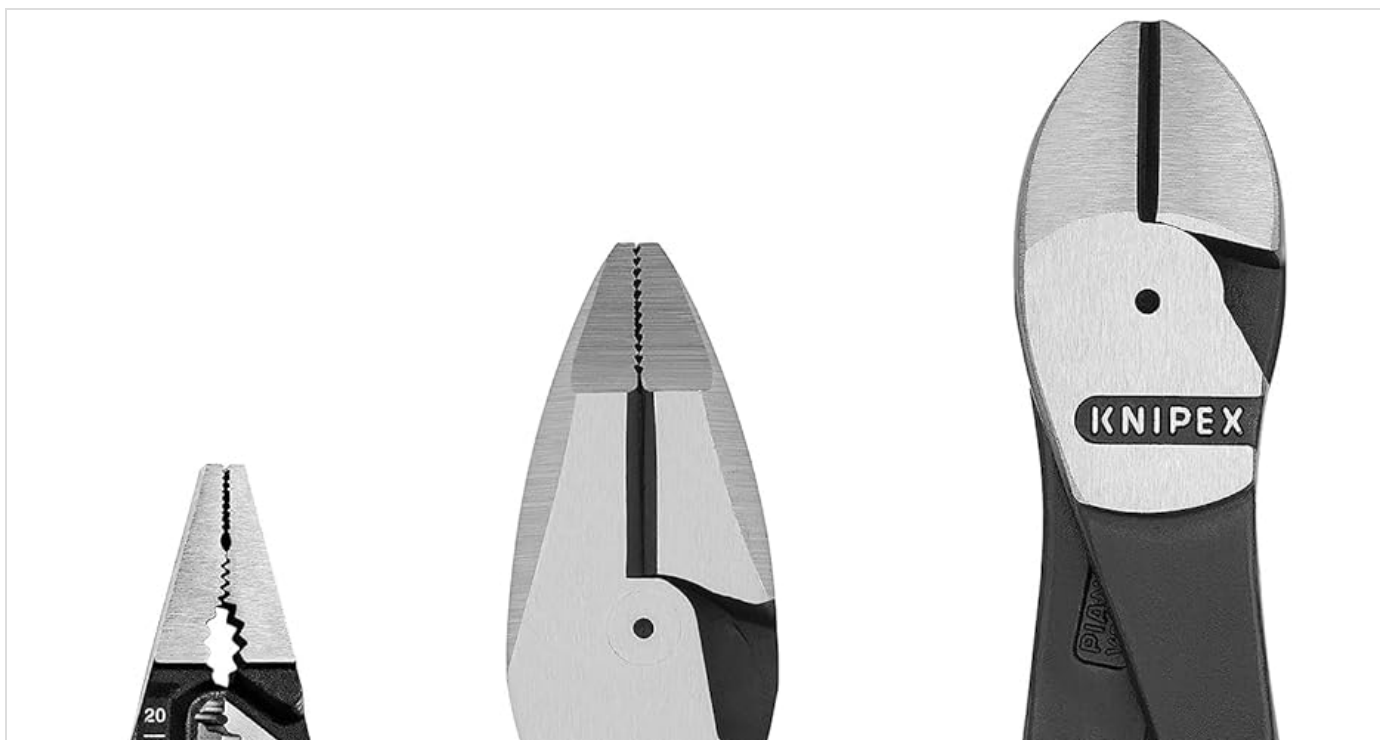




Image: The KNIPEX 3-Piece Electrical Tool Set, featuring the Forged Wire Stripper, Lineman's Pliers, and High Leverage Diagonal Cutter.

Safety Information

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

- **Eye Protection:** Always wear appropriate eye protection (safety glasses or goggles) to shield against flying debris, especially when cutting or stripping wires.
- **Insulation:** These tools are not insulated for protection against electrical shock. Do not use them on live electrical circuits unless they are specifically rated and marked as insulated tools.
- **Proper Use:** Use each tool only for its intended purpose. Misuse can lead to tool damage or personal injury.
- **Inspection:** Before each use, inspect tools for any signs of damage, wear, or defects. Do not use damaged tools.

- **Secure Grip:** Ensure a firm and stable grip on the tool and workpiece to prevent slipping.
- **Storage:** Store tools in a dry, secure place, out of reach of children.

SETUP

KNIPEX tools are ready for use directly out of the packaging. Before first use, and periodically thereafter, perform a visual inspection:

1. **Unpack:** Carefully remove all tools from their packaging.
2. **Inspect:** Check each tool for any manufacturing defects, shipping damage, or signs of wear. Ensure jaws align correctly, cutting edges are sharp, and handles are secure.
3. **Clean:** Wipe down tools with a clean, dry cloth to remove any protective oils or debris.

OPERATING INSTRUCTIONS

1. Forged Wire Stripper

This tool is designed for stripping insulation from solid and stranded wires, cutting wires, and crimping terminals.

- **Stripping Wires:** Select the appropriate stripping hole size for the wire gauge (AWG or mm²) you are working with. Insert the wire into the correct hole, close the handles firmly to cut the insulation, and then pull the tool away from the wire to remove the insulation.
- **Cutting Wires:** Use the integrated cutting edges near the pivot point for clean cuts. Position the wire between the cutting edges and squeeze the handles.
- **Crimping:** Utilize the designated crimping area for insulated or non-insulated terminals as marked on the tool.



Image: The KNIPEX Forged Wire Stripper, showing various stripping gauges and cutting edges.



Image: Close-up of the KNIPEX Forged Wire Stripper demonstrating wire stripping functionality.

2. Lineman's Pliers

These pliers are versatile for gripping, bending, twisting, and cutting wires and small components.

- **Gripping:** Use the serrated jaws to firmly grip flat or round materials. The cross-hatched knurled gripping zone provides a strong hold.
- **Cutting:** The induction-hardened cutting edges are suitable for cutting various types of wire, including hard wire. Position the wire deep into the cutting edges for optimal leverage.
- **Twisting:** The tip of the jaws can be used for twisting wires together, especially useful in electrical installations.

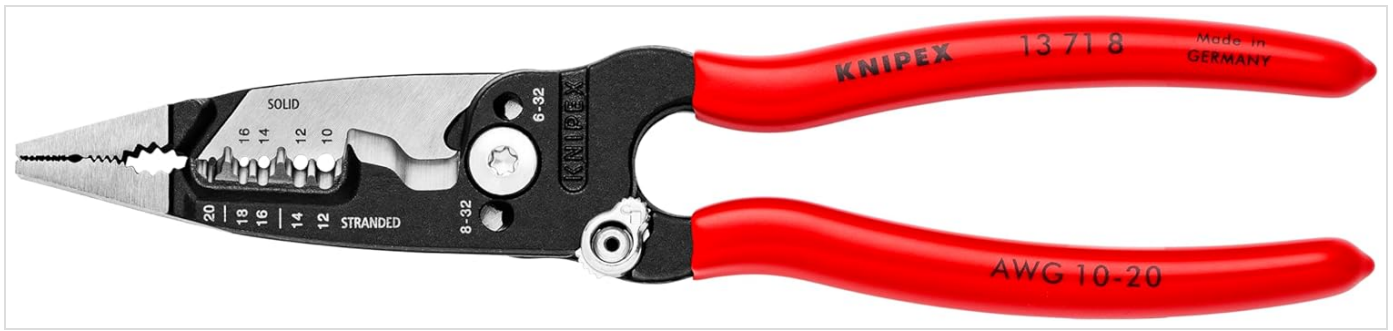


Image: The KNIPEX Lineman's Pliers, showcasing its robust jaws and cutting edges.



Image: Close-up of the KNIPEX Lineman's Pliers demonstrating its cutting capability on a cable.

3. High Leverage Diagonal Cutter

This tool is designed for powerful and precise cutting of various wire types, including hard wire, piano wire, and soft wire, with minimal effort due to its high leverage design.

- **Cutting Technique:** Position the wire as close to the pivot point as possible for maximum cutting force. Squeeze the handles firmly and steadily.
- **Material Compatibility:** Refer to the tool's specifications for maximum cutting capacities for different wire hardnesses. Avoid attempting to cut materials beyond the tool's rated capacity.



Image: The KNIPEX High Leverage Diagonal Cutter, highlighting its cutting edges and ergonomic handles.



Image: A detailed view of the cutting edges on the KNIPEX High Leverage Diagonal Cutter.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your KNIPEX tools.

- **Cleaning:** After each use, wipe tools clean with a dry cloth to remove dirt, grease, or moisture. For stubborn grime, a mild solvent can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a small amount of light machine oil to the pivot points of the pliers and cutters to ensure smooth operation and prevent rust.
- **Storage:** Store tools in a dry environment to prevent corrosion. Keep them organized in a tool roll or box to protect cutting edges and surfaces from damage.
- **Sharpening:** Cutting edges are precision-ground and induction-hardened. Do not attempt to sharpen them yourself, as this can alter the tool's geometry and compromise its performance and safety. If cutting performance degrades, consider professional servicing or replacement.

TROUBLESHOOTING

Most issues with hand tools can be resolved with proper care and usage. If you encounter problems, consider the following:

- **Stiff Joints:** If a tool's joint feels stiff, apply a few drops of light machine oil to the pivot point and work the handles back and forth until movement is smooth.
- **Reduced Cutting Performance:** Ensure you are using the correct tool for the material and diameter. Overloading the cutting edges can dull them. If edges are visibly damaged or dull, the tool may require professional servicing or replacement.
- **Rust:** Surface rust can often be removed with a fine abrasive pad and then protected with a light coat of oil. Prevent rust by storing tools in a dry environment and keeping them clean.

SPECIFICATIONS

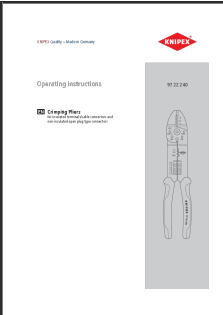
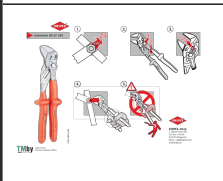

The KNIPEX 3-Piece Electrical Tool Set (9K0080158US) features high-quality materials and construction.

Feature	Detail
Brand	KNIPEX
Model Number	9K0080158US
Material	Chrome vanadium heavy-duty steel, forged, oil-hardened
Handle Material	Alloy Steel (Red ergonomic grips)
Item Weight	Approximately 2.5 Pounds (total set)
Specific Uses	Cutting, Gripping, Twisting, Stripping
Specification Met	GS, TUV
UPC	843221029111
Product Dimensions	14.75 x 9 x 1 inches (packaging)

WARRANTY AND SUPPORT

For information regarding product warranty, service, or technical support, please refer to the official KNIPEX website or contact their customer service directly. Warranty terms and conditions may vary by region and product.
Official KNIPEX Website: www.knipex.com

Related Documents - 9K0080158US

	<p>KNIPEX 97 22 240 Crimping Pliers: Operating Instructions</p> <p>Detailed operating instructions for the KNIPEX 97 22 240 Crimping Pliers, covering general information, safety guidelines, tool design and function, step-by-step operation for crimping, stripping, and cutting, maintenance, technical data, and disposal information.</p>
	<p>KNIPEX Cobra Pliers Instruction Manual</p> <p>Instruction manual for KNIPEX Cobra Pliers (86 07 250), detailing usage and safety precautions.</p>
	<p>KNIPEX 95 36 250/280 Cable Cutter Instruction Manual</p> <p>Detailed instruction manual for KNIPEX 95 36 250 and 95 36 280 cable cutters, covering functions, applications, maintenance, and safety procedures for electrical installations and live cable cutting.</p>



Detailed information on the KNIPEX 97 53 04 self-adjusting crimping pliers for wire ferrules, featuring lateral access, automatic adjustment, ratchet mechanism, and high crimping force. Specifications include capacity, dimensions, and materials.



Essential safety instructions and guidelines for KNIPEX products, presented in multiple languages to ensure user understanding and safe operation. This document outlines general precautions for handling and using KNIPEX tools.



Detailed operating instructions for the KNIPEX 97 51 10 crimping pliers, covering intended use, design, function, operation for RJ11/12 and RJ45 plugs, maintenance, and technical specifications.