Pro'sKit PK-14019A

Pro'sKit PK-14019A Communications Tool Kit Instruction Manual

Comprehensive guide for the setup, operation, and maintenance of your Pro'sKit PK-14019A Communications Tool Kit.

PRODUCT OVERVIEW

The Pro'sKit PK-14019A Communications Tool Kit is a comprehensive set designed for professionals working with communication systems. It includes a wide array of specialized tools for various tasks, all housed within a durable, portable case.

This kit contains essential tools such as a long nose plier (135 mm), diagonal cutting plier (110 mm), dual color side cutting plier (165 mm), dual color long nose plier (150 mm), adjustable wrench (6"), a 3-3/4 auto range digital multimeter, tone probe kit, 7-piece hex key set (inch), punch down tool (110 blade), all-purpose snip, butt set, in-line modular adapters (4/6/8 pin 3-in-1), electrician's knife, and various Pro-soft screwdrivers (3.0 x 75 mm, #0 x 75 mm, 6.0 x 100 mm, #2 x 100 mm, 5.0 x 100 mm, #1 x 100 mm, 3/16", and 1/4").

Figure 1: The Pro'sKit PK-14019A Communications Tool Kit with its contents laid out. The durable aluminum case features dedicated compartments and straps to secure each tool, ensuring organization and easy access during use.

SETUP AND ORGANIZATION

Upon receiving your Pro'sKit PK-14019A, familiarize yourself with the case and its internal organization. The kit is designed for efficient storage and transport of its specialized tools.

1. **Unpacking:** Carefully remove the tool kit from its packaging. Inspect the case for any signs of damage during transit.

2. **Opening the Case:** Release the latches on the front of the case to open it. The case features a two-sided design, with one side holding smaller hand tools secured by elastic straps and the other side containing larger instruments and accessories in partitioned compartments.

3. **Tool Placement:** Each tool has a designated spot within the case. Ensure all tools are securely placed in their respective holders or compartments to prevent shifting during transport. The elastic bands are designed to hold tools firmly; some tools may require a gentle push to fit properly.

4. **Internal Dividers:** The lower section of the case includes removable dividers. These can be adjusted to customize compartment sizes for optimal organization of larger items like the multimeter, tone probe kit, and

butt set. Ensure dividers are firmly seated to maintain separation.

Figure 2: The Pro'sKit PK-14019A case with its internal flap closed, providing an additional layer of protection and organization for the tools stored in the lower section.

OPERATING THE TOOLS

This kit provides a comprehensive selection of tools for various communication and electrical tasks. Always ensure you understand the proper and safe operation of each tool before use.

- **Pliers and Cutters:** Use the various pliers (long nose, diagonal cutting, side cutting) for gripping, bending, and cutting wires or small components. Ensure the correct type of plier is used for the specific task to prevent damage to the tool or material.

- **Screwdrivers:** The kit includes a range of Pro-soft screwdrivers with comfortable handles. Select the appropriate tip (Phillips or flathead) and size for the fastener to prevent stripping.

- **Adjustable Wrench:** Use the 6-inch adjustable wrench for tightening or loosening nuts and bolts of various sizes. Adjust the jaw opening to fit snugly around the fastener.

- **Digital Multimeter:** The 3-3/4 auto range digital multimeter is used for measuring voltage, current, and

resistance. Refer to the multimeter's specific instruction manual for detailed operation, safety precautions, and battery installation.

- **Tone Probe Kit and Butt Set:** These tools are essential for tracing and testing communication lines. The tone generator sends a signal, which is then detected by the probe. The butt set allows for direct connection and testing of telephone lines. Ensure proper connection and safety when working with live lines.

- **Punch Down Tool:** The 110 blade punch down tool is used for terminating network cables onto patch panels or wall jacks. Ensure the cable is correctly aligned before punching down.

- **Hex Key Set:** Use the 7-piece hex key set for fasteners with hexagonal sockets. Select the correct size to ensure a secure fit and prevent rounding of the fastener.

Safety Precaution:

Always wear appropriate personal protective equipment (PPE) such as safety glasses when using cutting or striking tools. Disconnect power before working on electrical or communication lines unless specifically required for testing with appropriate safety measures.

MAINTENANCE AND CARE

Proper maintenance will extend the lifespan of your Pro'sKit PK-14019A tool kit and ensure its reliability.

- **Cleaning Tools:** After each use, wipe down tools to remove dirt, grease, or debris. A clean, dry cloth is usually sufficient. For stubborn grime, a mild cleaner can be used, ensuring tools are thoroughly dried afterward to prevent rust.

- **Storage:** Always return tools to their designated spots within the case after use. This prevents damage to the tools and ensures they are readily available for the next task. Ensure the case latches are securely closed before transport.

- **Case Care:** The deluxe aluminum frame case can be cleaned with a damp cloth. Avoid abrasive cleaners that could scratch the finish. Periodically check the latches and hinges for proper function and tighten any loose screws.

- **Battery Replacement:** For electronic components like the digital multimeter, tone probe kit, and butt set, replace batteries as needed. Refer to the individual tool's instructions for battery type and replacement procedure. For the butt set, battery installation may require removing the base of the unit and carefully seating the battery within its holder.

- **Tool Inspection:** Regularly inspect tools for wear, damage, or dullness. Replace or repair damaged tools to maintain safety and performance.

TROUBLESHOOTING

This section addresses common issues you might encounter with your tool kit.

- **Case Tipping When Open:** The lid of the case is designed to hold a significant portion of the tools. When fully open, especially on uneven surfaces, the case may become unbalanced. To prevent tipping, ensure the case is placed on a stable, flat surface, or support the lid if necessary.

- **Interior Dividers/Separators Not Staying in Place:** The removable dividers in the lower compartment are designed to be adjustable. Ensure they are fully seated into the grooves on the case interior. If they frequently dislodge, verify that the tools placed in those compartments are not exerting excessive pressure on the dividers.

- **Hand Tools Difficult to Place/Remove from Straps:** The elastic straps are intended to hold tools firmly. If tools are excessively difficult to insert or remove, ensure you are using the correct strap for the tool's size and shape. Over time, the elastic may stretch slightly, making insertion easier.

- **Butt Set Not Indicating Power/Function:** Some butt sets may only provide status feedback (e.g., LED indicator) when connected to an active telephone line with sufficient voltage. If the butt set appears unresponsive, first ensure batteries are correctly installed and charged, then test it on a known working line.
- **Multimeter Not Functioning:** Check the battery. Ensure the leads are correctly inserted into the appropriate jacks for the measurement you are attempting. Refer to the multimeter's specific manual for detailed troubleshooting steps.

SPECIFICATIONS

Attribute	Detail
Model Number	PK-14019A
Manufacturer	Pro'sKit
Package Dimensions	18 x 15.2 x 7.2 inches
Weight	Approximately 0.01 ounces (Note: This weight seems unusually low and may refer to shipping weight or a specific component. Actual product weight with tools will be significantly higher.)
First Available Date	August 26, 2011
Contents	Communications tool kit including various pliers, cutters, screwdrivers, multimeter, tone probe kit, butt set, punch down tool, hex key set, adjustable wrench, snip, electrician's knife, and modular adapters.

Figure 3: Front view of the closed Pro'sKit PK-14019A Communications Tool Kit, highlighting its robust construction and secure latches for transport.

Figure 4: Top-down view of the Pro'sKit PK-14019A Communications Tool Kit when closed, illustrating the protective feet designed to prevent scratching surfaces and provide stability.

WARRANTY AND SUPPORT

For specific warranty information regarding your Pro'sKit PK-14019A Communications Tool Kit, please refer to the documentation provided at the time of purchase or contact Pro'sKit directly through their official website or authorized distributors.

If you require technical support, have questions about tool functionality, or need assistance with parts, please reach out to the manufacturer or the retailer from whom you purchased the kit. Keep your purchase receipt and model number (PK-14019A) readily available when contacting support.

You can often find contact information for Pro'sKit on their official website: www.proskit.com

Note: Product specifications and contents are subject to change without notice. Always refer to the latest information from the manufacturer.