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iCRIMP EVA-30JL

iCrimp Wire Crimping Tool Kit User Manual

Model: EVA-30JL | Brand: iCRIMP

PRODUCT OVERVIEW

The iCrimp EVA-30JL is a comprehensive 8-piece wire crimping tool kit designed for various electrical wiring connections. This kit allows for efficient work with heat shrink terminals, end sleeves, insulated and non-insulated terminals, and open barrel connectors. It integrates cutting, stripping, and crimping functionalities into a single, convenient tool kit.



Image: The complete iCrimp Wire Crimping Tool Kit neatly organized within its compact carrying case.

COMPONENTS

The EVA-30JL kit includes the following components:

- **Ratcheting Wire Crimper:** Constructed from high carbon steel for durability, featuring a ratcheting mechanism for secure crimps.
- **Exchangeable Crimp Jaws (5 pairs):** Designed for various terminal types including non-insulated (16-10AWG), open barrel (20-10AWG), heat shrink (20-10AWG), end sleeve ferrules (20-10AWG), and insulated terminals (20-10AWG).
- **Wire Stripper Tool:** Capable of cutting, stripping, and looping 10-22AWG wires.
- **Screwdriver:** Used for installing and replacing the crimp jaws.
- **Compact Carrying Case:** Provides organized storage and portability for all components.

HS CRIMPER



SPECIFICATION

MODEL	HS CRIMPER
HANDLE MATERIAL	TPR+PP
STYLE	RATCHETING
LENGTH	7.09 inch
WEIGHT	0.86 lbs

Image: The ratcheting wire crimper, featuring ergonomic handles and a robust design.

WIRE STRIPPER & CUTTER

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SPECIFICATION

MODEL	FSA-0626
STRIPPING RANGE	ϕ 0.6-2.6mm
CUTTING RANGE	ϕ 2.6mm
LENGTH	6.88 inch
WEIGHT	0.35 lbs

Image: The wire stripper tool, designed for precise cutting and stripping of various wire gauges.

CRIMPING JAWS



Image: A selection of the five exchangeable crimping jaws included in the kit, each designed for specific terminal types.

SETUP

Changing Crimp Jaws

1. Identify the appropriate crimp jaw set for your specific terminal type and wire gauge. Refer to the markings on the jaws for compatibility.
2. Using the provided screwdriver, loosen and remove the two screws securing the current jaws on the ratcheting crimper.
3. Carefully remove the existing jaws.
4. Align the new crimp jaws with the screw holes on the crimper. Ensure both halves of the jaw set are correctly oriented.
5. Insert and tighten the screws firmly to secure the new jaws. Do not overtighten.
6. Test the crimper by closing and opening the handles to ensure the jaws operate smoothly and are properly seated.

Note: Some users have reported that the crimping jaws are not explicitly labeled, which may require trial and error to match them to specific terminal types. It is recommended to label the jaws yourself for easier identification. Ensure jaws are securely seated in their foam cutouts within the case to

prevent dislodgement during transport.

OPERATING INSTRUCTIONS

Wire Preparation and Crimping Process

Follow these steps for effective wire preparation and crimping:

1. **Cut Wire:** Use the wire stripper tool to cut the wire to the desired length. The tool features various cutting slots for different wire gauges.
2. **Strip Wire:** Select the appropriate stripping hole on the wire stripper tool corresponding to your wire's AWG or MM size. Insert the wire and squeeze the handles to strip the insulation cleanly without damaging the wire strands. The tool is designed to prevent cutting into the wire itself during stripping.
3. **Insert Terminal:** Place the appropriate terminal into the selected crimp jaw on the ratcheting crimper. Ensure the terminal is seated correctly.
4. **Insert Wire:** Insert the stripped end of the wire into the terminal.
5. **Crimp:** Squeeze the handles of the ratcheting crimper firmly until the ratcheting mechanism releases. This ensures a complete and secure crimp. The ratcheting action provides consistent pressure for repeatable terminations.

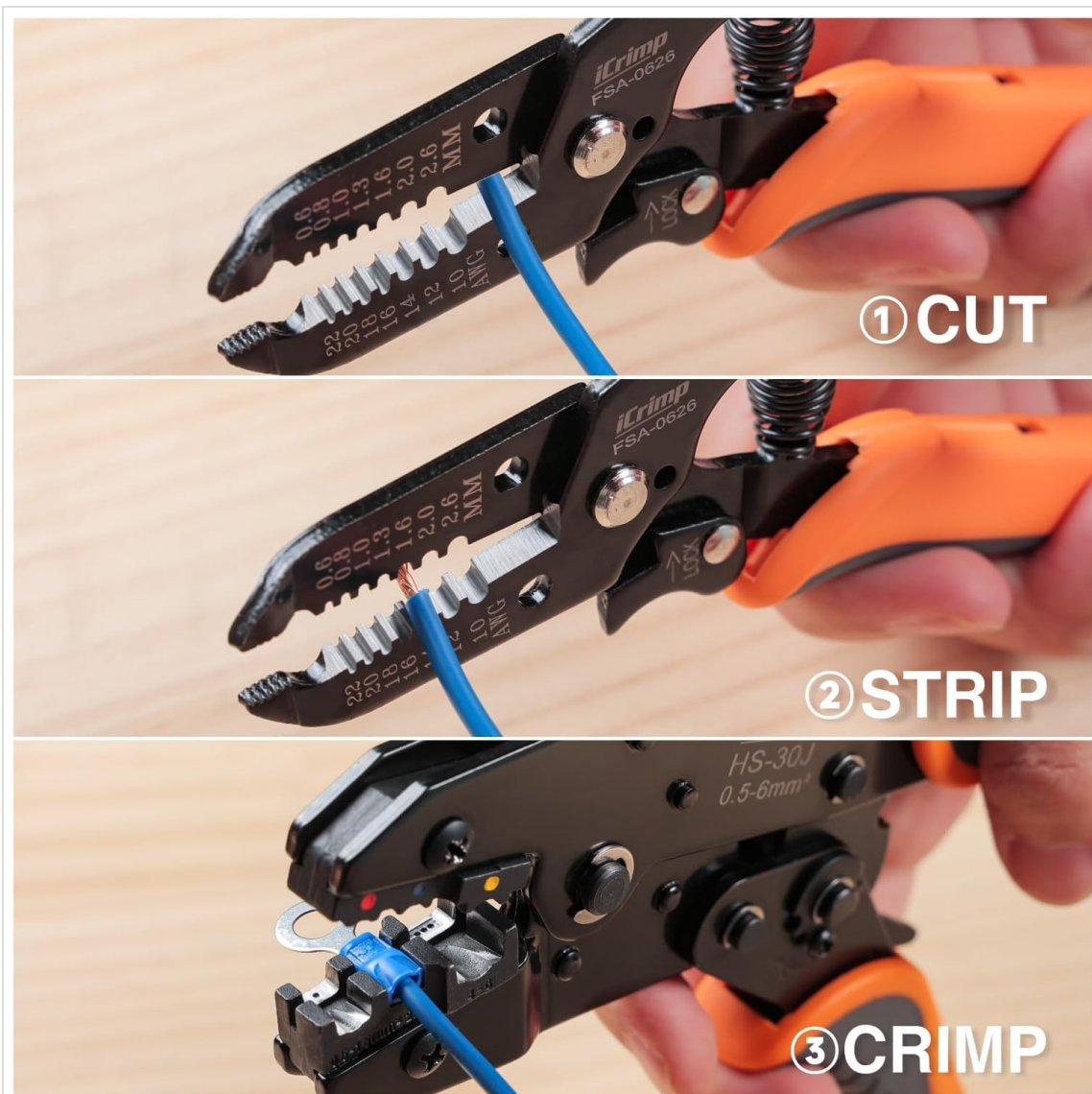


Image: Visual guide demonstrating the three main steps: (1) Cutting the wire, (2) Stripping the wire, and (3) Crimping the terminal onto the wire.

MAINTENANCE

To ensure the longevity and optimal performance of your iCrimp tool kit, follow these maintenance guidelines:

- **Cleaning:** After each use, wipe down the tools with a clean, dry cloth to remove any dirt, debris, or residue. For stubborn grime, a mild cleaner can be used, ensuring the tools are thoroughly dried afterward.
- **Lubrication:** Periodically apply a light coat of machine oil to the moving parts of the crimper and stripper to ensure smooth operation and prevent rust.
- **Storage:** Always store the tools and all crimp jaws in the provided compact carrying case. This protects them from damage, dust, and moisture, and keeps all components organized.
- **Inspection:** Regularly inspect the crimp jaws for wear or damage. Replace any worn or damaged jaws to maintain crimping quality.

TROUBLESHOOTING

If you encounter issues while using your iCrimp tool kit, consider the following:

- **Poor Crimp Quality:** Ensure you are using the correct crimp jaw set for the specific terminal and wire gauge. Verify that the wire is fully inserted into the terminal before crimping. The ratcheting mechanism should fully cycle to ensure a complete crimp.
- **Difficulty Identifying Jaws:** The crimp jaws are not pre-labeled. It is recommended to mark each jaw set with its corresponding terminal type (e.g.,