

Eastwood[®]

DO THE JOB RIGHT.[®]

Item #31676

CRIMP-RIGHT WEATHER-TIGHT CONNECTOR CRIMPING KIT

INSTRUCTIONS



The **EASTWOOD CRIMP-RIGHT WEATHER-TIGHT CONNECTOR CRIMPER SET** brings a valuable, previously professional-only Weather-Tight connector installation capability to the serious automotive DIY'er. Replace damaged factory installed connectors or add accessories while maintaining full factory wire harness integrity.

CONTENTS

- (1) Quick Jaw Change, Cushion Grip, Ratcheting Weather Pack Crimping Tool
- (2) Sets of Interchangeable Crimping Dies:
 - Set of H6 Dies for 18 to 22 Ga.
 - Set of H7 Dies for 12 to 16 Ga.
- (1) Terminal Clip Release Tool
- (25) Silicone Connector Wire Seal Inserts (Green) for 18 to 20 Ga. wires
- (30) Silicone Connector Wire Seal Inserts (Green) for 14 to 16 Ga. wires
- (25) Silicone Connector Wire Seal Inserts (Blue) for 12 Ga. wires
- (20) Male Crimp Terminals for 18 to 20 Ga. wires
- (20) Female Crimp Terminals for 18 to 20 Ga. wires
- (20) Male Crimp Terminals for 14 to 16 Ga. wires
- (20) Female Crimp Terminals for 14 to 16 Ga. wires
- (20) Male Crimp Terminals for 12 Ga. wires
- (20) Female Crimp Terminals for 12 Ga. wires
- (3) 1 Pole Male Receptacle Housing
- (3) 1 Pole Female Receptacle Housing
- (2) 2 Pole Male Receptacle Housing
- (2) 2 Pole Female Receptacle Housing
- (1) 3 Pole Male Receptacle Housing
- (1) 3 Pole Female Receptacle Housing
- (1) 4 Pole Male Receptacle Housing
- (1) 4 Pole Female Receptacle Housing
- (1) Partitioned Blow Molded Case

SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to personal injury.



READ INSTRUCTIONS

- Thoroughly read and understand this instruction manual before use. Save manual for future reference to safety warnings and operating procedures.
- Failure to follow all warnings can result in tool damage or physical injury.



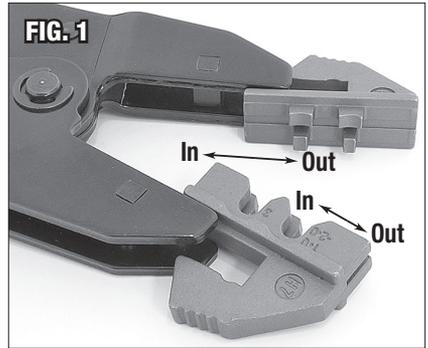
CAUTION **EXPLOSION HAZARD**

- Always wear ANSI approved eye protection when operating this tool.
- To prevent injury, keep fingers away from the jaw opening area and all moving parts while operating.



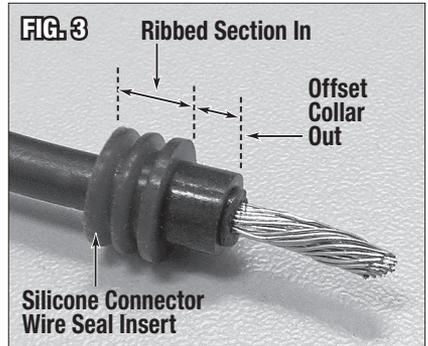
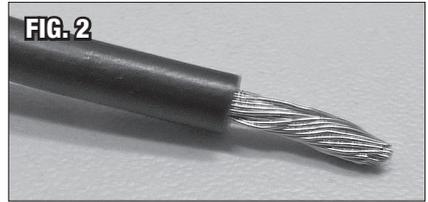
SET-UP

- If Crimping Tool is closed, squeeze handles together completely to override ratchet mechanism and release it. Tool will open.
- To remove installed Dies and replace with opposite size:
 - With Tool fully open, push Dies outward toward nose of Tool (**FIG 1**), and Dies will release from Retaining Block Ball Detent.
 - Push desired Dies into nose of Tool until Ball Detent engages (**FIG 1**).



OPERATION

- Strip end of wire to expose 3/16"-3/8" [5-9mm] (**FIG 2**).
- Slip Silicone Connector Wire Seal Insert over end of stripped wire with offset collar outward (**FIG 3**).
- Set Crimp Terminal into Female Die with the large "U" feature nested into the "U" feature of the Die (**FIG 4**).

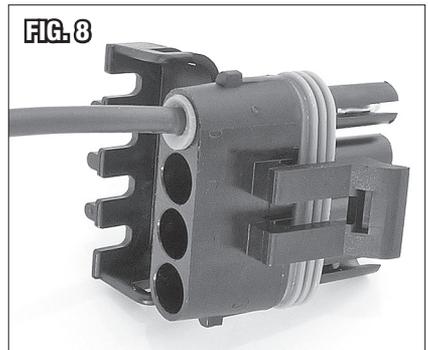
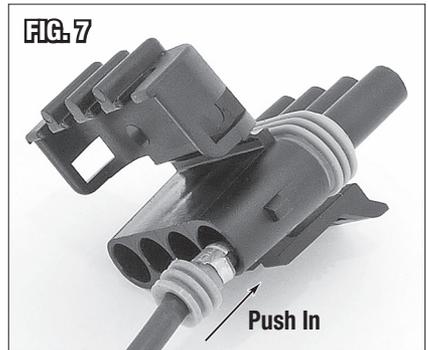
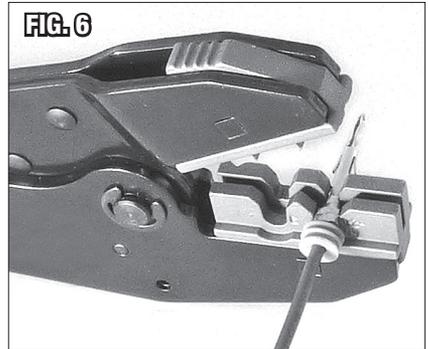
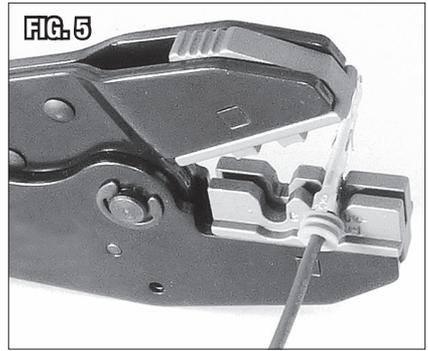


- Place the stripped end of the wire into the smaller “U” feature of the Connector with the Silicone Connector Wire Seal nested in the larger “U” (FIG 5).

⚠ CAUTION

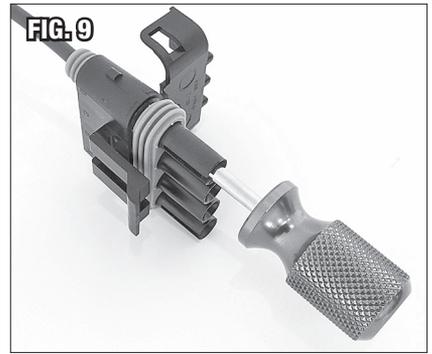
Keep fingers away from moving parts of the Crimp Tool to avoid being pinched.

- Slowly apply pressure to the handles and pull them together. The moveable handle will ratchet in as it is closed.
- Close handles completely and squeeze until the ratchet releases.
- Remove crimped terminal assembly from the tool (FIG 6).
- Slide the crimped Male or Female terminal assembly into the rear of the corresponding Housing (FIG 7).
- Continue to push inward until the Silicone Wire Seal is fully seated and the retaining wings of the terminal click into place within the Housing (FIG 8).
- The terminal crimp and installation is now complete and the process is repeated for additional terminals if required.



TERMINAL RELEASE

- Insert Extraction Tool into the terminal end of the Housing and push firmly inward while pulling the wire out of the rear of the Housing (**FIG 9**).
- The retaining wings of the Terminal will be pushed inward and the wire and Terminal assembly will release.



ADDITIONAL ITEMS

- #31680 Eastwood Crimp-Right 20pc Male Terminals for 18-20 gauge wire
- #31681 Eastwood Crimp-Right 20pc Female Terminals for 18-20 gauge wire
- #31682 Eastwood Crimp-Right 20pc Male Terminals for 14-16 gauge wire
- #31683 Eastwood Crimp-Right 20pc Female Terminals for 14-16 gauge wire
- #31684 Eastwood Crimp-Right 20pc Male Terminals for 12 gauge wire
- #31685 Eastwood Crimp-Right 20pc Female Terminals for 12 gauge wire
- #31686 Eastwood Crimp-Right 25pc Silicone Wire Seal for 18-20 gauge wire
- #31687 Eastwood Crimp-Right 30pc Silicone Wire Seal for 14-16 gauge wire
- #31688 Eastwood Crimp-Right 25pc Silicone Wire Seal for 12 gauge wire
- #31689 Eastwood Crimp-Right 3pc One Pole Male Connector Housing
- #31690 Eastwood Crimp-Right 3pc One Pole Female Connector Housing
- #31691 Eastwood Crimp-Right 2pc Two Pole Male Connector Housing
- #31692 Eastwood Crimp-Right 2pc Two Pole Female Connector Housing
- #31693 Eastwood Crimp-Right 1pc Three Pole Male Connector Housing
- #31694 Eastwood Crimp-Right 1pc Three Pole Female Connector Housing
- #31695 Eastwood Crimp-Right 1pc Four Pole Male Connector Housing
- #31696 Eastwood Crimp-Right 1pc Four Pole Female Connector Housing
- #31697 Eastwood Crimp-Right 1pc Four Pole Male Square Connector Housing
- #31698 Eastwood Crimp-Right 1pc Four Pole Female Square Connector Housing
- #31699 Eastwood Crimp-Right Terminal Release Tool

If you have any questions about the use of this product, please contact

The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: techhelp@eastwood.com

PDF version of this manual is available online >> eastwood.com/31676manual

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