

ADDITIONAL ITEMS

- #23581 Eastwood Crimp-Right 30pc Deutsch Pin and Socket Contact Kit
- #23582 Eastwood Crimp-Right 30pc Deutsch Pin and Socket Contact Kit
- #23583 Eastwood Crimp-Right 3pc Two Cavity Deutsch Receptacle Connector
- #23584 Eastwood Crimp-Right 3pc Two Cavity Deutsch Plug Connector
- #23585 Eastwood Crimp-Right 2pc Three Cavity Deutsch Receptacle Connector
- #23586 Eastwood Crimp-Right 2pc Three Cavity Deutsch Plug Connector
- #23587 Eastwood Crimp-Right 2pc Four Cavity Deutsch Receptacle Connector
- #23588 Eastwood Crimp-Right 2pc Four Cavity Deutsch Plug Connector
- #23589 Eastwood Crimp-Right 6pc Deutsch Seal Plug Set
- #23590 Eastwood Crimp-Right Deutsch Connector Disassembly Tool
- #23591 Eastwood Crimp-Right Deutsch 20 Gauge Terminal Release Tool
- #23592 Eastwood Crimp-Right Deutsch 16 Gauge Terminal Release Tool



DO THE JOB RIGHT.®

Item #23580

CRIMP-RIGHT DEUTSCH CONNECTOR KIT INSTRUCTIONS



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

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

PDF version of this manual is available at eastwood.com

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The **EASTWOOD CRIMP-RIGHT DEUTSCH CONNECTOR KIT** brings a valuable, previously “professional-only” electrical 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 change die ratcheting crimper
 - (2) Interchangeable crimping dies:
 - 20/18/16 AWG die pair for DT style (K4)
 - 20/16/12 AWG die pair for DT/DTM/DTP style (K7)
 - (1) 20 AWG terminal release tool
 - (1) 16 AWG terminal release tool
 - (1) Wedgelock removal and installer tool
 - (15) 16-20 AWG stamped (claw) pin contact
 - (15) 16-20 AWG stamped (claw) socket contact
 - (15) 16-20 AWG solid (barrel) pin contact
 - (15) 16-20 AWG solid (barrel) socket contact
 - (3) DT04-2P female receptacle connector w/wedgelock
 - (3) DT06-2S male plug connector w/wedgelock
 - (2) DT04-3P female receptacle connector w/wedgelock
 - (2) DT06-3S male plug connector w/wedgelock
 - (2) DT04-4P female receptacle connector w/wedgelock
 - (2) DT06-4S male plug connector w/wedgelock
 - (6) Sealing plug
- Packaged in a partitioned blow-molded case

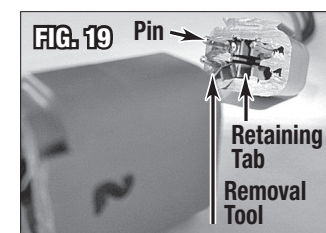
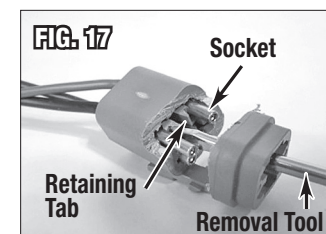
PIN/SOCKET RELEASE

- To remove the socket from the plug housing, use a small screwdriver or the remove/install tool and carefully position it under one of the 4 detents on the wedgelock, gently pry upward and remove the wedgelock from its mounting (**FIG 15**). Depress the socket retaining tab inside the housing (**FIG 17**) using a small screwdriver or the remove/install tool. Gently pull the wire rearward. The socket and the wire will slide out of the housing.

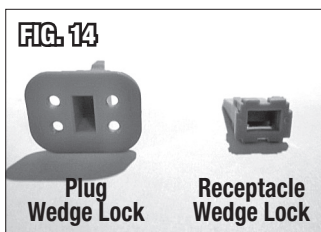
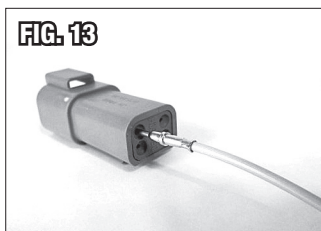
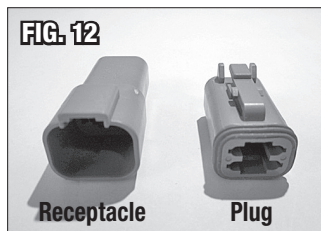
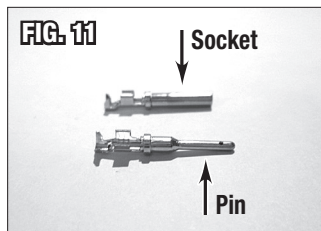
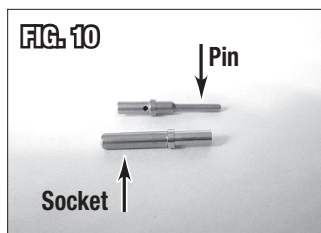
NOTE: FIG 17 is for illustration of tab locations; do not destroy the housing to remove the sockets.

- To remove the pin from the receptacle housing, use the hook end of the remove/install tool and insert it into the receptacle housing. Hook the tool to the wedgelock and gently tug it upward to remove the wedgelock from its mounting (**FIG 18**). Depress the pin retaining tab inside the housing (**FIG 19**) using a small screwdriver or the remove/install tool. Gently pull the wire rearward. The socket and the wire will slide out of the housing.

NOTE: FIG 19 is for illustration of tab locations; do not destroy the housing to remove the pins.



- With the wire attached to the pin/socket (FIGS 10, 11) push it into the rear of the receptacle/plug housing (FIG 12) until you hear a click (FIG 13).
 - The receptacle housing accepts the pin and the plug housing accepts the socket.
- Once all the pins/sockets have been installed in the housing lock them in place with the proper wedgelock (FIG 14).
- To install the wedgelock in the plug housing position it in the housing and push it in place (FIG 15).
- To install the wedgelock in the receptacle housing use a needle nose pliers or the wedgelock removal/install tool and position the wedgelock in the housing; remove the pliers, if used and push the wedgelock in place with a small screwdriver, or the wedgelock removal/install tool (FIG 16).



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 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 EYE INJURY HAZARD!

- Objects may be ejected from this tool during use. Always wear ANSI approved eye protection when operating this tool.



⚠ CAUTION PINCH HAZARD!

- To prevent injury, keep fingers away from the jaw opening area and all moving parts while operating. Wear heavy-duty work gloves while using this tool.

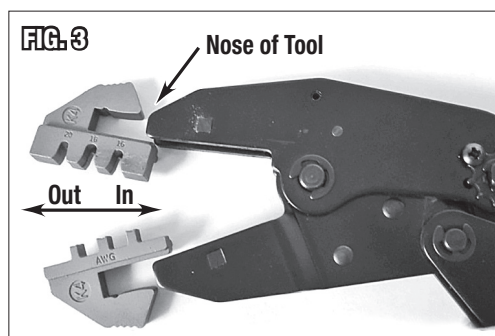


⚠ CAUTION SHOCK HAZARD!

- DO NOT use this tool on live electrical connections.

SET-UP

- If the crimping tool is closed, squeeze the handles together to release the tension mechanism. This will allow the tool to open. Install the proper set of dies, for your project.
- There are two sets of dies K4 and K7. K4 is used for claw type pins/sockets (FIG 1) and wire gauge size 20, 18 and 16. K7 is used for barrel type pins/sockets (FIG 2) and wire gauge size 20, 16, and 12.
 - **To install the dies:** Push them into the nose of the tool until they are fully engaged in the tool (FIG 3).
 - **To remove the dies:** With the tool fully open push the dies outward from the nose of the tool; this will cause the dies to release from their mounting (FIG 3).

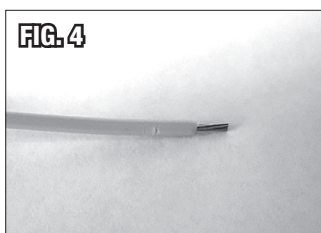


OPERATION

- Strip the end of the wire to expose 1/4" (FIG 4).
- If using the K4 dies, position the pin/socket into the female die with the large "U" feature nested into the "U" feature of the die. Be sure that the pin/socket is properly centered in the "U" mounting (FIG 5).
- Insert the wire into the pin/socket.
- Slowly apply pressure to the handles of the crimper and pull them together. The moveable handle will ratchet in as it closes.
- Close the handles completely and squeeze until the ratchet releases.

CAUTION

Keep fingers away from moving parts of the crimp tool to avoid being pinched.



- Remove the crimped pin/socket and wire from the tool (FIG 6).
 - If the pin/socket is improperly crimped, the tool has an adjusting feature which allows you to increase or decrease crimping force to ensure that the pin/socket will properly crimp (FIG 7). Remove/loosen the set screw and turn the wheel as required. (+ increase – decrease). Install/tighten the set screw. Repeat the process until the right crimping force is achieved and the pin/socket is not damaged.
- If using the K7 dies, position the pin/socket into the female die (FIG 8).
- Insert the wire into the pin/socket. Leave about a 1/16 inch gap of bare wire (FIG 9). There is a small inspection hole in the body of the pin/socket. If the wire is visible thru the inspection hole the pin/socket is ready to be crimped.
- Slowly apply pressure to the handles of the crimper and pull them together. The moveable handle will ratchet in as it closes.
- Close the handles completely and squeeze until the ratchet releases.

CAUTION

Keep fingers away from moving parts of the crimp tool to avoid being pinched.

- Remove the crimped pin/socket and wire from the tool.
 - If the pin/socket is improperly crimped, the tool has an adjusting feature which allows you to increase or decrease crimping force to ensure that the pin/socket will properly crimp (FIG 7). Remove/loosen the set screw and turn the wheel as required. (+ increase – decrease). Install/tighten the set screw. Repeat the process until the right crimping force is achieved and the pin/socket is not damaged.

