User Guide

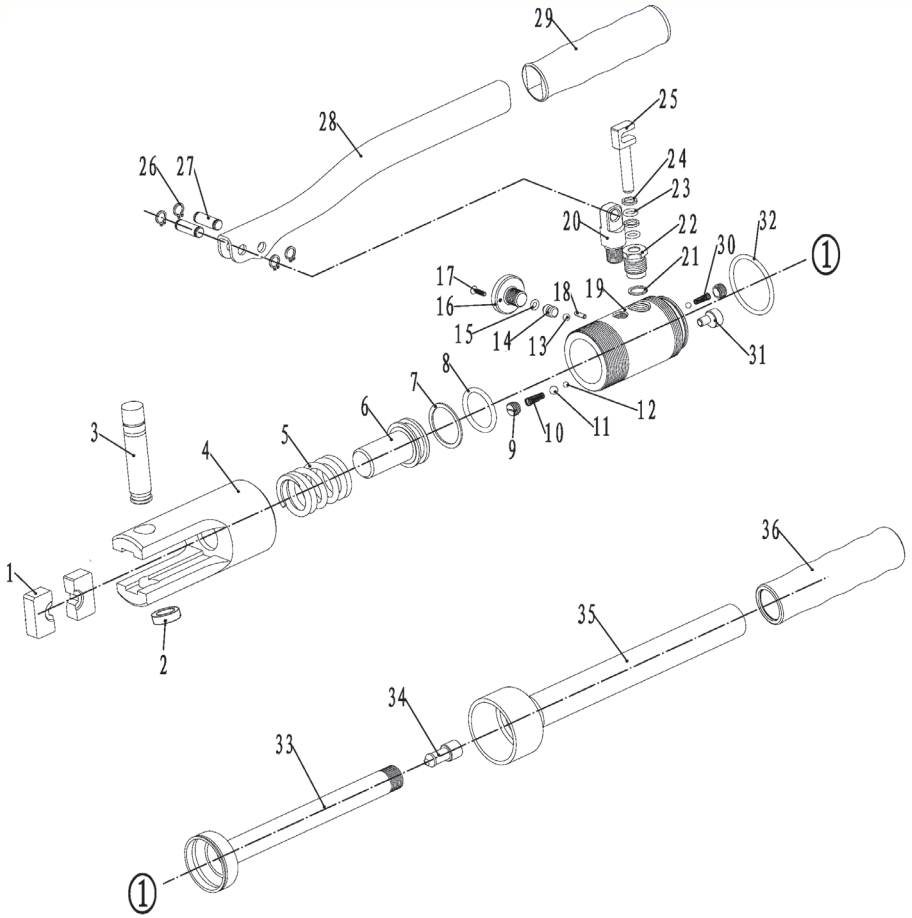
Hydraulic Wire Crimping Tool

555-81791

JEGS.com

1-800-345-4545

Tool Breakdown



1	Contact Mold	10	Spring	19	Main Body	28	Pump Handle
2	Retaining Pin Nut	11	Bearing (Large)	20	Pump Handle Mount	29	Pump Handle Grip
3	Retaining Pin	12	Bearing (Small)	21	O-Ring (Medium)	30	Spring (Small)
4	Press Bed	13	Bearing (Large)	22	Pivot Bushing	31	Cam
5	Return Spring	14	Oil Valve	23	O-Ring	32	Seal
6	Ram	15	O-Ring (Small)	24	Seal	33	Reservoir
7	Flat Seal	16	Oil Valve Knob	25	Pivot Arm	34	Plug
8	O-Ring	17	Retaining Screw	26	Circlip	35	Fixed Handle
9	Screw	18	Dowel Pin	27	Mounting Pin	36	Fixed Handle Grip

Technical Specs

Contact Mold AL* (mm)	10-95
Contact Mold CU (mm)**	10-120
Max Pressure (Tons)	8
Max Stroke (mm)	14
Size of Contact Mold (mm)	10, 16, 25, 35, 50, 70, 95, 120
Hydraulic Oil	ISO 46 (SAE 20)

** AL - Aluminum, ** CU - Copper*

Read Before Use

Thank you for your purchase of this JEGS 8-Ton Hydraulic Wire Crimping Tool. Before use please be sure to read this user guide to ensure proper use.

This system uses pressure to compress electrical fittings. Proper safety precautions are required.

Before use, inspect this unit for damage. If you have any issues please contact customer service at: 1.800.345.4545.

Return Information: ***Once this crimping tool has been modified, it will not be accepted for return.***

WARNING

Do not use this tool without a contact mold set installed. Failure to do so may result in damage to the tool.

Safety Information

- Wear ANSI safety goggles and heavy duty work gloves when using.
- Keep fingers away from crimping dies.
- Do not use an extension to add leverage to this tool.
- Do not attempt to crimp wires that are electrically charged (Live).
- Refer to manufactures instructions for wire and grommet specifications.
- Keep work area well lit and clean.
- Use for intended purpose only.
- Inspect before use. Do not use if there are damaged or missing parts.

Conversion Table

Metric Size	AWG Size
10mm	7 AWG
16mm	5-6 AWG
25mm	3-4 AWG
35mm	2 AWG
50mm	0 (1/0) AWG 00
70mm	(2/0) AWG 000
95mm	(3/0) AWG 0000
120mm	(4/0) AWG

Operation

- Turn the Oil Valve to the “Off” position.
- Select the appropriate contact mold that is the correct size for the application from the eight provided in this kit.
- With the ram fully retracted remove the contact mold securing pin and insert the selected molds. Replace pin.
- Rotate the tool head for the best access.
- Insert the electrical terminal, Not Included, onto the end of the wire. Then place the wire and terminal between the contact mold halves.
  - Ensure that enough wire casing has been removed for adequate contact with the terminal.
- Turn the Oil Valve to the “On” position.
- Hold the fixed handle firmly and begin moving the pump handle until the terminal is secured onto the wire.
  - This may take a number of pumps depending on the size of the wire and the terminal.
  - You may hear hissing from the pressure relief valve when the specified pressure is reached.
- Once the terminal has been securely crimped onto the wire, turn the Oil Valve to the off position. The ram will automatically retract.
- Return the hydraulic wire crimping tool to the provided case. Keep it in a safe, and dry location to prevent damage.

Repair & Maintenance

- Before each use inspect the general condition of this crimping tool. Check for binding, misalignment, or cracked contact molds.
- It is normal to see a slight trace of oil appearing on the outside of the plunger and the ram after repeated operations.
- This product has tightly fitting components. Do not dismantle.
- Avoid hard impacts against the tool and exposure to moisture.
- After repeated use, check the oil level.
  - The reservoir is accessed in the fixed handle. Unscrew and you will find a long rubber tube with a push-in plug at the end.
  - Remove the reservoir plug and fill with hydraulic oil. Filter through a 200-micron filter screen. Continue filling until the reservoir overflows.
  - Loosen the oil valve, and pump the handle slowly several times to release trapped air.
  - Replace oil plug and screw the fixed handle back on.
- Wipe with a mild detergent on a clean cloth to clean. Do not use solvents.