

	HARTING Electronics GmbH P.O. Box 14 73 D-32339 Espelkamp HARTING.electronics@HARTING.com	English
HARTING RJ Industrial® Gigalink Cat. 6A Assembly tool		
Part number: 09 45 800 0520		
www.HARTING.com		

Assembly instruction



1. General remarks – Usage and design of the tool

- The HARTING RJ Industrial® Gigalink Cat. 6A assembly tool is intended to be used for the assembly of HARTING RJ Industrial® Gigalink Cat. 6A RJ45 plug series. Using this hand-tool for any other purpose, or for crimping of any other object, can result in damaging the tool and the objects being crimped and prevention of its normal further functioning, for what manufacturer cannot be held responsible.

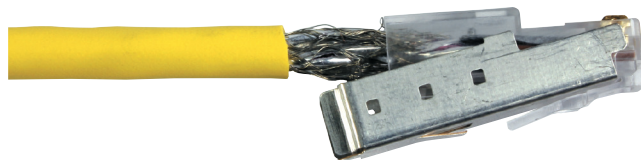
- The HARTING RJ Industrial® Gigalink Cat. 6A assembly tool is delivered ready to use and no adjustment is needed for the first use.
- The assembly tool is equipped with full cycle ratchet mechanism which with optimized leverage system within the tools make working with these tools easy and simple. In case of improper crimp, ratchet release mechanism allows you to easily open the hand-tool and remove obstruction before work is continued. Check unblocking procedure.
- For removal of dust, moisture and other contaminants usage of clean brush or soft, lint-free cloth is recommended. Do not use aggressive agents (thinner, alcohol, ...) or hard objects that could damage the tool.
- Make sure that, during the work, bearing surfaces, shafts and pivot points are protected with thin coat of quality machine or motor oil. Do not oil excessively.
- When the tool is not in use, store it in a closed position – with handles closed. That will keep other objects from becoming stuck between crimping dies and damaging them. Keep the tool in a dry and clean area.
- Tool itself also incorporates possibility of periodical adjustment of the crimping force and tool recalibration via eccentric axle to maintain correct crimp performance. Check item recalibration procedure.

2. Terminating procedure

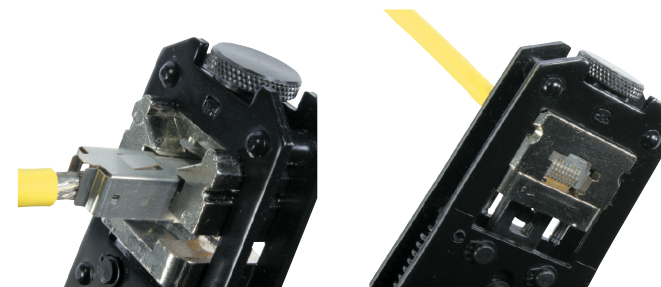
- Wire lead ends organized and trimmed according to plug assembly instruction for the HARTING RJ Industrial® Gigalink Cat. 6A plug series



and add the shielding shell.



- Insert the plug assembly in the tool part marked with arrows. Plug must be inserted up to the delimiter.



- Slowly** close tool handles completely to perform full cycle crimping.



In case the tool becomes block for any reason, please follow the unblocking procedure.

- After the full crimping cycle is done, open the tool fully in order to remove crimped plug. The tool is ready for next crimping cycle.

3. Unblocking the tool

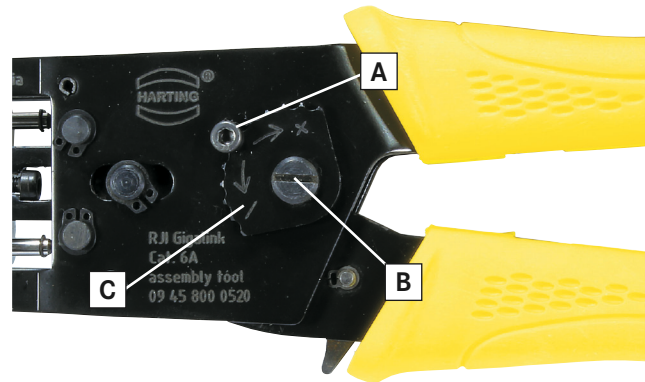
- **IMPORTANT: Apply working force on the tool handles while unblocking. It will prevent hurting yourself and possible damages on the tool.**
- In case of improper crimp, push the ratchet relief (A) in direction shown to unblock the tool and remove obstruction before continuing with the work.

With this tool **only** plugs of **appropriate type** have to be used. Crimping plugs of unsuitable type may result with unsatisfactory characteristics of crimped connections and eventually with damaging of the tools and is to be strictly avoided.



4. Tool regulation procedure

- After prolonged work period, tool crimping performance can change slightly due to final self-adjustment of the tools' components. This hand-tool is equipped with eccentric axle which allows periodical adjustment of crimping force and tool recalibration to maintain correct crimp performance.
 1. Loosen and remove allen head screw (A) using a 2.5 mm allen wrench.
 2. Using a screw driver turn eccentric axle (B) and toothed adjustment wheel (C) into new position.
 - direction +** for enlarging crimping force and reducing gap between crimping dies
 - direction -** for reducing crimping force and enlarging gap between crimping dies
 3. Reinstall allen head screw (A) and tighten it.



5. Maintenance and repair

- For removal of dust, moisture and other contaminants usage of clean brush or soft, lint-free cloth is recommended. Do not use aggressive agents (thinner, alcohol, ...) or hard objects that could damage the tool.
- Make sure that, during the work, bearing surfaces, shafts and pivot points are protected with thin coat of quality machine or motor oil. Do not oil excessively.
- When the tool is not in use, store it in a closed position – with handles closed. That will keep other objects from becoming stuck between crimping dies and damaging them. Keep the tool in a dry and clean area.
- Tool itself also incorporates possibility of periodical adjustment of the crimping force and tool recalibration via eccentric axle to maintain correct crimp performance. Check item recalibration procedure.

Change of the tool insert

- If the tool insert (A) is defect it is easily possible to change it. The tool insert can be order as a spare part with the part-no. 0945 801 0520.
- In order to place the tool insert in the tool frame, close the handles just as enough as to make the slot on pusher fully visible (do not close it completely).
- Unlock the tool insert by removing the fixing screw (B) in front of the tool and remove the tool insert (A) from the tool frame.
- Insert the new tool insert in the tool frame and make sure the pulling bolt (C) matches the slot in the pusher. After the tool insert is properly positioned in the tool frame, fix it with the fixing screw (B) in front of the tool.
- Adjust the tool according the Tool regulation procedure and the tools is ready to work.

