

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.

6950_INSTRUCTIONS_V3

Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear and tear are excluded as are consumable items and abuse.



Distributed by The Tool Connection Ltd

Kineton Road, Southam, Warwickshire CV47 0DR
T +44 (0) 1926 815000 F +44 (0) 1926 815888
info@toolconnection.co.uk www.toolconnection.co.uk



LASER[®]

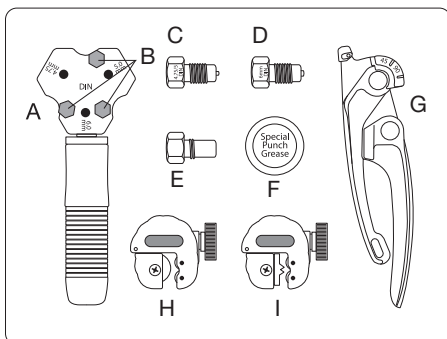
Brake Flaring Tool Set 4.75mm | 5mm | 6mm



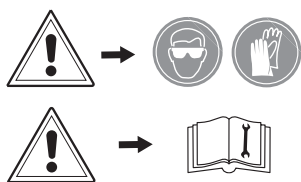
- Triangular 3 way adjustable head - DIN Flares only
- Brake Pipe Sizes: 4.75mm, 5.0mm (5.15 Plastic Coated), 6.0mm
- Pipe bender included
- Also pipe cutter and coating remover
- A pot of special grease is included (consumable)

6950 Brake Flaring Tool Set - Instructions

The compact design of the new Laser Tools 6950 brake pipe flaring tool means that it is particularly suited to on-vehicle use, making it very convenient and a real time saver. The set includes dies (built into the tool) and punches to produce DIN type flares and is suitable for 4.75, 5.0 and 6.0mm diameter brake pipes. 5.00mm diameter pipes are likely to be plastic coated and a coating remover tool is included. Also included are a pipe cutter tool and a pipe bender.

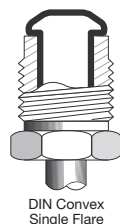


A	Flaring tool
B	Clamp bolts
C	4.75 & 5.0mm DIN convex punch
D	6.0mm DIN convex punch
E	Pipe stop plug
F	Punch grease (consumable)
G	Pipe bender
H	Pipe cutter
I	Pipe plastic coating remover



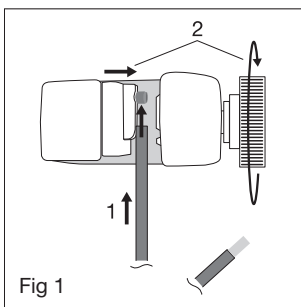
The following instructions are for guidance only. Please refer to OEM vehicle-specific data such as the vehicle manufacturer's service documentation or Autodata.

The use of this brake flaring tool is purely down to the user's discretion and Laser Tools cannot be held responsible for any damage caused.



Preparation:

1. The ends of the pipe must be cut square — use the supplied pipe cutter (**H**).
2. Line up the pipe cutter (**H**) with the cutting blade at the desired position on the brake pipe. With the brake pipe located between the two rollers, adjust the cutter blade until it touches the brake pipe, and then tighten the control a further two full turns. Now turn the pipe cutter around the pipe to cleanly cut the pipe. Tighten the control further as necessary and keep turning the pipe cutter around the pipe to complete the cut.



3. If the pipe is plastic covered, approximately 5 to 8mm of the covering must be removed from the end of the pipe to be flared — use the supplied plastic coating remover (**I**) which will safely remove the plastic coating plus the aluminium plating without damaging the pipe. This is used in a similar fashion to the brake pipe cutter. Refer to **Figure 1: Step 1** — place the brake pipe against the stop. **Step 2** — adjust the blade against the pipe, and then tighten the control **three further full turns**. Now steadily turn the coating remover tool around the pipe at least **12 full turns** to remove all the plastic

and aluminium coatings. **Note:** as the tool is turned, press it firmly in towards the pipe, as it will try to unwind the pipe away from the stop.

4. Make sure there are no stray fragments of plastic coating or metal on the outside edge or bore of the pipe.
5. The next step is to chamfer the outside edge of the pipe 45°.
6. Then the bore of the pipe must be de-burred.

6950 Brake Flaring Tool Set - Instructions

Flaring Operation:

1. On the flaring tool (**A**), select the size of flare required; screw the handle into one of the other two flare sizes.
2. Slacken the three clamp bolts (**B**) but do not remove.
3. Refer to Figure 2: Fit the pipe stop plug (**E**) into the flare type being used and slide the prepared brake pipe into the tool until it stops against **E**.
4. Tighten the three clamp bolts (**B**). Note: they need to be very tight.
5. Remove the pipe stop plug (**E**).

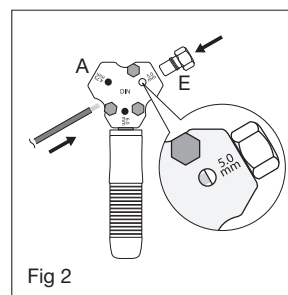


Fig 2

6. Select the correctly sized DIN convex punch (**C** or **D**) and lubricate the thread and end of the punch liberally with the supplied special punch grease (**F**). **NB:** Diameter 5.15 plastic coated pipes should be clamped in the 5mm clamp groove. Use punch **C**.
7. Refer to **Figure 3**: Screw the DIN punch into the body of the flaring tool then using a suitable 17mm socket or wrench, continue to wind in the punch until the hex contacts the body of the flaring tool.
8. Loosen the three clamp bolts (**B**) to release the flared brake pipe.
9. Inspect the flare and make sure that it has been correctly formed.

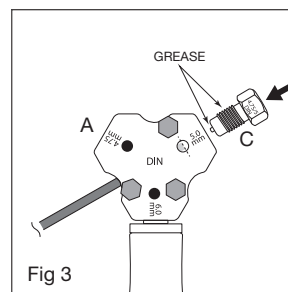


Fig 3