

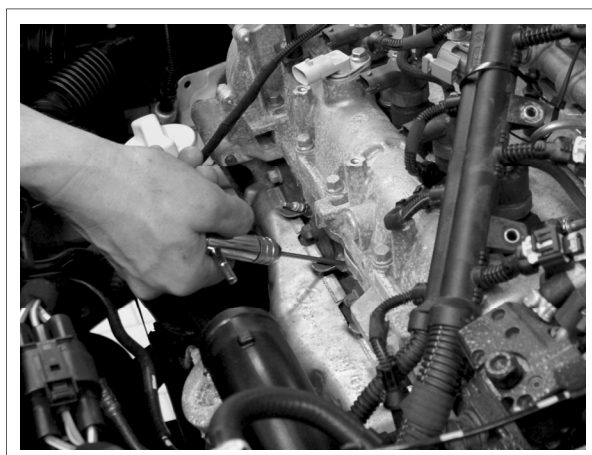
GEDORE

TOOLS FOR LIFE

Glow Plug Tool Set, Universal (M9x1)



KL-0132-61 KA



0132-61KAe161006

GEDORE Automotive GmbH

Breslauer Straße 41
78166 Donaueschingen

Postfach 1329
78154 Donaueschingen - GERMANY

Phone.: +49 (0) 771 / 8 32 23-0
Fax: +49 (0) 771 / 8 32 23-90

Email: info@gedore-automotive.com
Internet: www.gedore-automotive.com

KL-0132-61 KA



KL-0132-61 KA Glow Plug Tool Set, Universal, M9x1

Universally suitable for use on the Alfa, Fiat, Lancia, Opel/Vauxhall and Saab 1.9 as well as 2.4 D/ TiD/ JTD/ JTDM/ CDTI Diesel engines having an M9x1 glow plug retaining thread.

For example, fitted to: Alfa 147, 156, 159, 166, GT; Opel/Vauxhall Astra H, Astra V, Signum, Vectra C, Zafira; Saab 9-3; Fiat Croma, Stilo; Lancia Thesis etc.

Engine codes: 192A5.000, 841G.000, 841H.000, 937A5.000, 939A2.000, 939A3.000, 939A8.000, Z19DTH, Z19DTJ

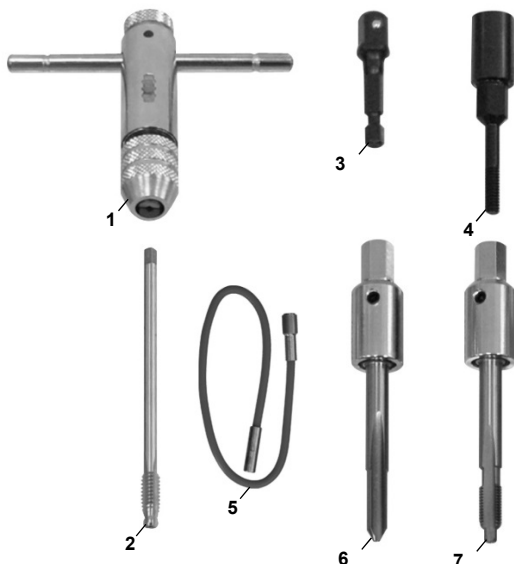
Field of Application

The universal KL-0132-61 KA glow plug tool set enables the quick and easy drilling out of damaged or broken-off glow plugs.

First, the glow plug/top portion is drilled out/drilled up by means of the pilot drill. Next, the original thread is re-tapped and cleaned with the aid of the screw tap.

The remains of the glow plug can then be removed by using either the screw tap or the puller bolt in conjunction with a slide hammer puller such as KL-0049-100.

Scope of Delivery:



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Pos.	Part No.	Description
1	KL-0369-306	Tap Wrench with Square Socket, 2.4-5.5mm
2	KL-1383-2241	Screw Tap No. 12-24 UNC with Drill Bit
3	KL-4007-2510	Adaptor for Power Drill, 3/8", square
4	KL-0132-5501	Puller Bolt No. 12-24 UNC for Slide Hammer Puller
5	KL-0126-221	Flexible Magnetic Lifter
6	KL-0132-6101	Pilot Drill, Ø 8.1mm for M9x1
7	KL-0132-6102	Screw Tap, M9x1
-	KL-0132-5590 A	Plastic Storage Case

⚠ Warnings and Notes

- Any work on vehicles should only be performed by qualified specialist personnel observing and complying with the directions, provisions, and safety regulations specified by the vehicle manufacturer.
- Always refer to the vehicle manufacturer's data and instructions as only these apply to all work that is carried out on the vehicle. All vehicle-specific data stated herein are supplied under reserve and without commitment.
- Always wear safety goggles.
- Before each use, apply the specified lubricant to the flutes of the cutting and drilling tools.
(With aluminium: ⇒ apply methylated spirit to the drilling tool)
(With steel: ⇒ apply oil to the drilling tool)

Fig. 1: Applying oil to pilot drill '6'.

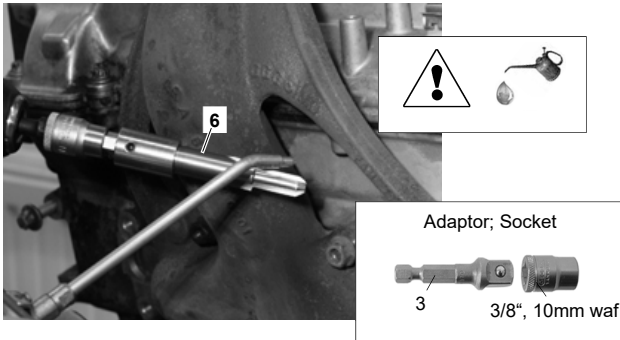


Fig. 2: Drilling up the glow plug top portion to pilot hole Ø.

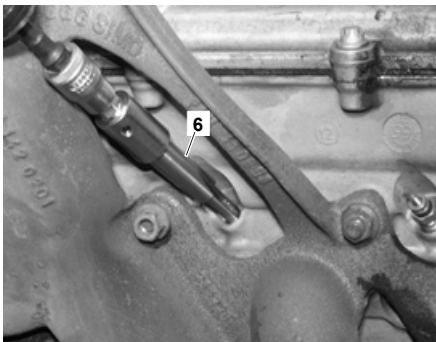


Fig. 3: Applying methylated spirit to M9x1 screw tap '7'.

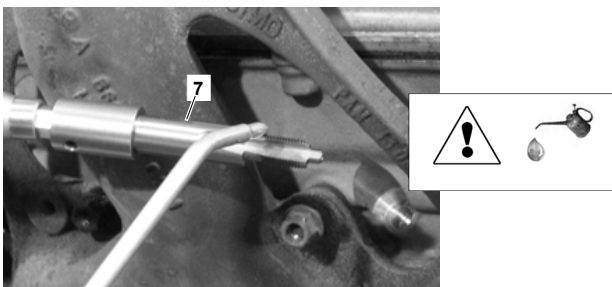
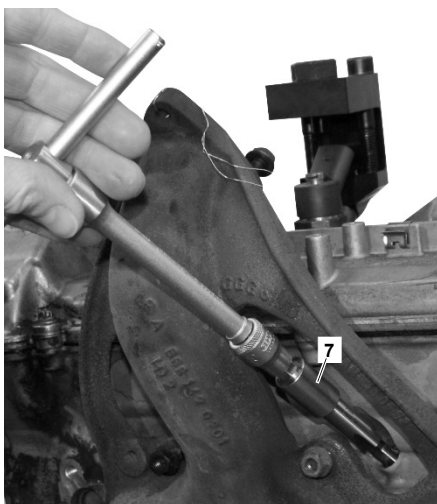


Fig. 4: Re-tapping the M9x1 thread.



Example of use:

The following instructions describe the procedure of drilling out a broken-off glow plug and re-tapping the original M9x1 thread.

1. Insert adaptor '3' along with a 3/8" hex socket (10mm waf) into an appropriate power drill. (Fig. 1)

2. Use roller-type stud removal socket **KL-0369-300 A** (accessory) to twist off/remove the protruding centre electrode (if present).

3. Apply oil to pilot drill '6'. (Fig. 1)

Note: In order to prevent swarf/impurities from entering the combustion chamber, it is helpful to fill the flutes of the drill with grease. Use flexible magnetic lifter '5' to remove iron swarf from guide sleeve/glow plug bore.

4. With the aid of a power drill, start the drilling-out process while applying slight pressure on pilot drill '6' (Fig. 2). Interrupt the process at several intervals to allow swarf to be removed.

Note: Make sure that the glow plug top portion is drilled out centrally and in true alignment.

! Attention:

- Observe and do not exceed the maximum rotational speed (approx. 500 rpm).

5. Apply methylated spirit to the flutes of screw tap '7'. (Fig. 3)

6. Recut the retaining thread for the M9x1 glow plug. For this, screw in tap '7' by using a T-handle. (Fig. 4)

Note: In order to prevent swarf/impurities from entering the combustion chamber, it is helpful to fill the flutes of the drill with grease. Use flexible magnetic lifter '5' to remove iron swarf from guide sleeve/glow plug bore.

! Attention:

- Operate the screw tap by hand only.

Fig. 5: Applying oil to No.12-24 UNC screw tap '2'.

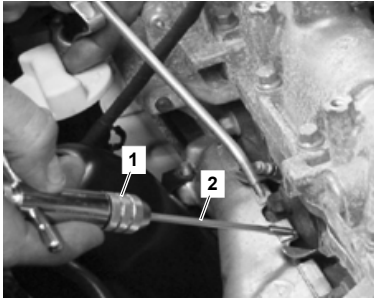


Fig. 6: Tapping the thread in glow plug tube.

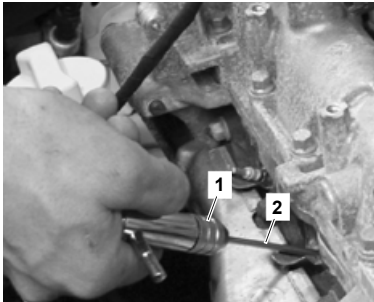
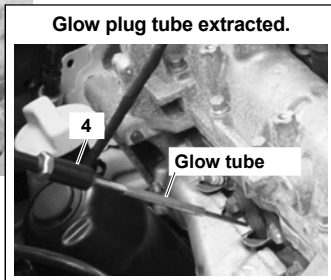
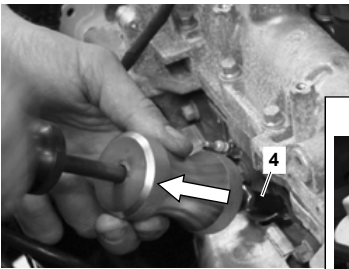


Fig. 7: Extracting the glow plug tube, using slide hammer puller (accessory).



Extracting the residual glow tube.

1. Clean glow plug bore from swarf and impurities.
Note: Use magnetic lifter '5' to remove iron swarf from guide sleeve/glow plug bore hole.
2. Insert screw tap '2' into tap wrench '1'. (Fig. 5)
3. Lubricate screw tap '2' with oil. (Fig. 5)
4. Using screw tap '2', cut the thread about 5mm deep into the glow tube still being stuck in the cylinder head. (Fig. 6)
5. Fit puller bolt '4' to slide hammer puller **KL-0049-100** (accessory). Screw assembly approximately 5mm deep into glow tube, extract the latter by gentle taps with the sliding hammer. (Fig. 7)

Scope of Delivery

Pos.	Part No.	Description	Qty
-	KL-0132-61 KA	Glow Plug Tool Set (Universal), M9x1	1
<i>composed of:</i>			
1	KL-0369-306	Tap Wrench with Square Socket, 2.4-5.5mm	1
2	KL-1383-2241	Screw Tap No.12-24 UNC, with Drill Bit	1
3	KL-4007-2510	Adaptor for Power Drill, 3/8", square	1
4	KL-0132-5501	Puller Bolt No. 12-24 UNC, for Slide Hammer Puller	1
5	KL-0126-221	Flexible Magnetic Lifter	1
6	KL-0132-6101	Pilot Drill, Ø 8.1mm for M9x1	1
7	KL-0132-6102	Screw Tap, M9x1	1
-	KL-0132-5590 A	Plastic Storage Case	1

Accessories:

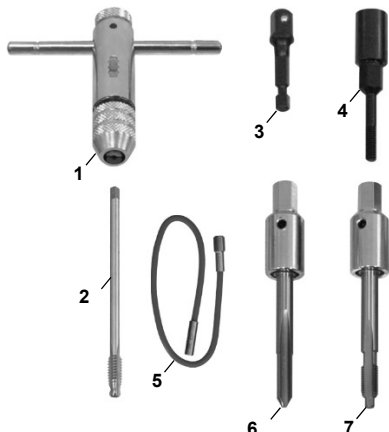
KL-0049-100 Slide Hammer Puller (Base Tool)

This tool is designed to extract tight-fitting/seized parts such as glow plugs, spindles etc. It is used in conjunction with the respective corresponding adaptors or puller bolts.

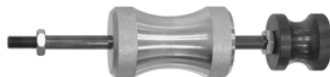
KL-0369-300 A Roller-Type Stud Removal Socket

The socket is used to twist the electrode top connector/protruding central electrode off the glow plug.

Scope of Delivery KL-0132-61 KA



Accessory: KL-0049-100 - Slide Hammer Puller



Accessory: KL-0369-300 A - Roller-Type Stud Removal Socket

