

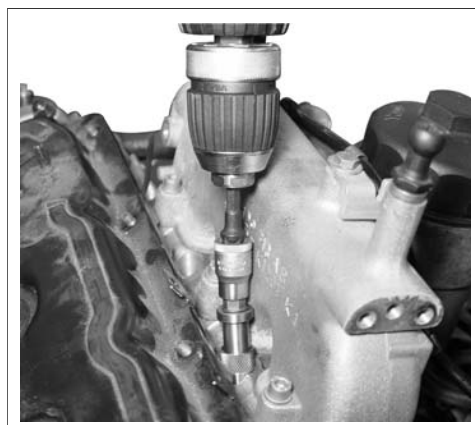
GEDORE

TOOLS FOR LIFE

Glow Plug Tool Set, Universal (M10x1.25)



KL-0132-62 KA



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KL-0132-62 KA



KL-0132-62 KA Glow Plug Tool Set, Universal, M10x1.25

Universally applicable to Opel/Vauxhall, Mazda, Ford, Hyundai, Honda, Kia, Mini, Nissan and Toyota 1.4-3.0 D/DI/DTI/TD/CRDi/CDTi Diesel engines having an M10x1.25 glow plug retaining thread.

For example, fitted to Opel/Vauxhall Astra G, Astra H, Combo, Corsa C, Meriva, Signum, Vectra C; Mazda 626 II, 626 III, 626 IV, MPV I, B-Serie; Ford Ranger; Hyundai Accent, Getz, Matrix; Honda Civic VI; Kia Besta, Pregio, K2700; Mini One D; Nissan Serena, Terrano II, Vanette; Toyota Yaris, Corolla etc. (Engine codes: 1ND, 1ND-TV, 4EE-2, CD23, D4FA, LD23, MD25TI, R2, RF OHC, RF46, RF-CX, RF-N, TD27T, WL, WL-T, Y17DT, Y17DTL, Y30DT, Z17DTL, Z30DT)

Field of Application

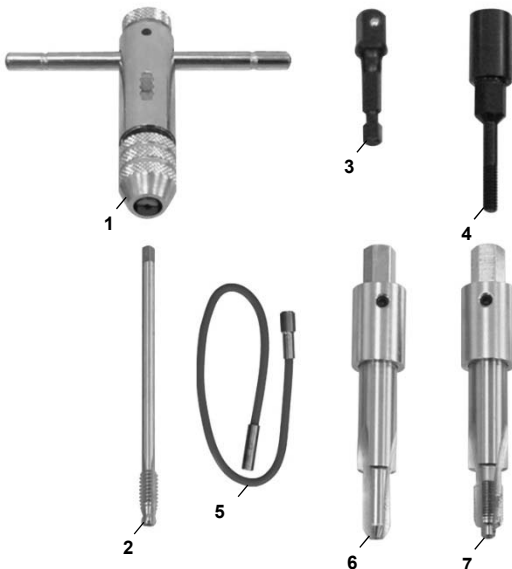
The universal **KL-0132-62 KA** glow plug tool set enables the quick and easy drilling out of damaged or broken-off glow plugs.

The glow plug, respectively the glow plug top connector, is drilled out/drilled up with the aid of the pilot drill. Next, the original thread is re-tapped and cleaned with the special screw tap. The remains of the glow plug can then be removed using either the screw tap or the puller bolt in conjunction with a slide hammer puller such as **KL 0049-100**.

Scope of Delivery

Pos.	Part No.	Description
1	KL-0369-306	Tap Wrench with Square Socket, 2.4-5.5mm
2	KL-0369-3056	Screw Tap, 1/4" -20 UNC, with Drill Bit
3	KL-4007-2510	Adaptor for Power Drill, 3/8", square
4	KL-0132-5202	Puller Bolt, 1/4" -20 UNC, for Slide Hammer Puller
5	KL-0126-221	Flexible Magnetic Lifter
6	KL-0283-7021	Pilot Drill, Ø 9.1mm for M10x1.25
7	KL-0132-6201	Screw Tap, M10x1.25
-	KL-0132-5590 A	Plastic Storage Case

Scope of Delivery:



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 commencing work, apply the specified lubricant to the cutting edges 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'.

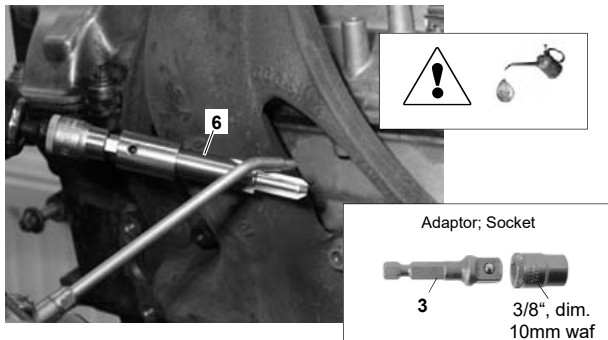


Fig. 2: Drilling up the glow plug top connector to pilot hole Ø.

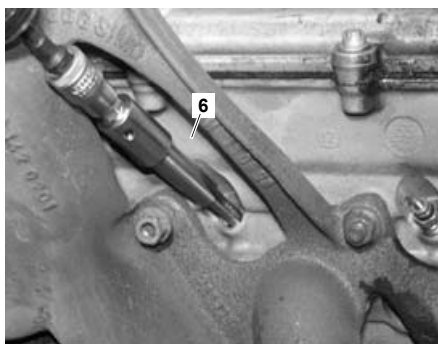


Fig. 3: Applying methylated spirit to screw tap '7' (M10x1.25).

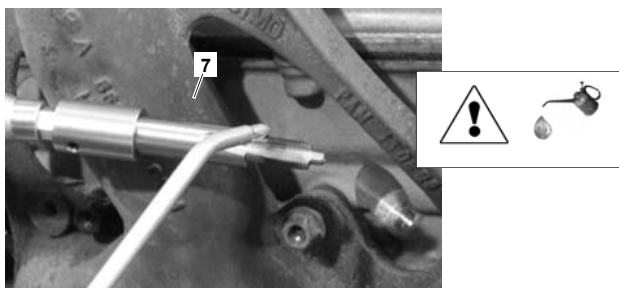
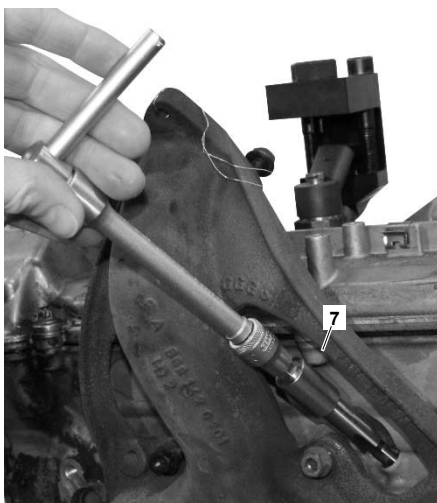


Fig. 4: Re-tapping the M10x1.25 thread.



Example of Use:

The following instructions describe the procedure of drilling out a broken-off glow plug and re-tapping the original M10x1.25 thread.

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

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

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 grooves at the cutting edges of the drill with grease.

Remove any iron swarf from drill bush/glow plug bore using flexible magnetic lifter '5'.

4. With the aid of a power drill, start the drilling-out process exerting 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 connector 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 cutting edges of screw tap '7'. (Fig. 3)

6. Recut the retaining thread for the M10x1.25 glow plug. For this, screw in screw tap '7' with the aid of a T-handle. (Fig. 4)

Note: In order to prevent swarf/impurities from entering the combustion chamber, it is helpful to fill the grooves at the cutting edges of the drill with grease.

Remove any iron swarf from drill bush/glow plug bore using flexible magnetic lifter '5'.

! Attention:

- Operate the screw tap by hand only.

Fig. 5: Applying oil to screw tap '2' (1/4" -20 UNC).

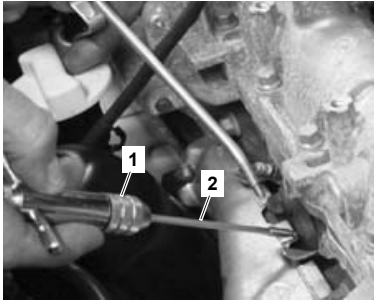


Fig. 6: Tapping the thread in glow plug tube.

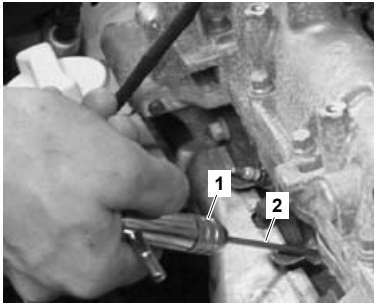
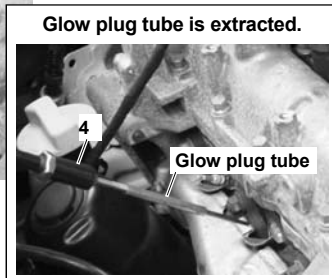
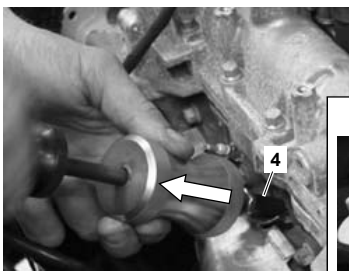


Fig. 7: Extracting the glow plug tube using slide hammer puller (accessory).



Extracting the Residual Glow Tube.

1. Clean glow plug bore from any swarf and impurities.
Note: Use flexible magnetic lifter '5' to remove any iron swarf from drill bush/glow plug bore.
2. Insert screw tap '2' into tap wrench '1'. (Fig. 5)
3. Lubricate screw tap '2' mm 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. Screw puller bolt '4' with slide hammer puller **KL-0049-100** (accessory) approximately 5mm deep into glow tube. Tap gently with the sliding hammer to remove glow plug tube. (Fig. 7)

Scope of Delivery

Pos.	Part No.	Description	Qty
-	KL-0132-62 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-0369-3056	Screw Tap, 1/4" -20 UNC, with Drill Bit	1
3	KL-4007-2510	Adaptor for Power Drill, 3/8" , square	1
4	KL-0132-5202	Puller Bolt, 1/4" -20 UNC, for Slide Hammer Puller	1
5	KL-0126-221	Flexible Magnetic Lifter	1
6	KL-0283-7021	Pilot Drill, Ø 9.1mm for M10x1.25	1
7	KL-0132-6201	Screw Tap, M10x1.25	1
-	KL-0132-5590 A	Plastic Storage Case	1

Accessories:

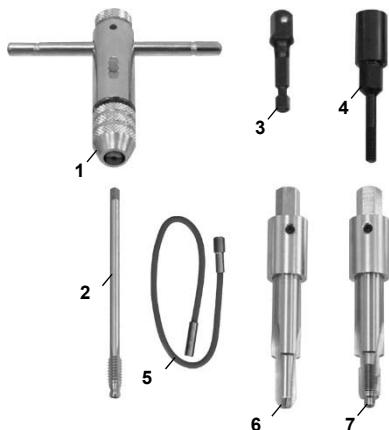
KL-0049-100 Slide Hammer Puller (Base Tool)

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-0132-62 KA



Accessory: KL-0049-100 Slide Hammer Puller



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

