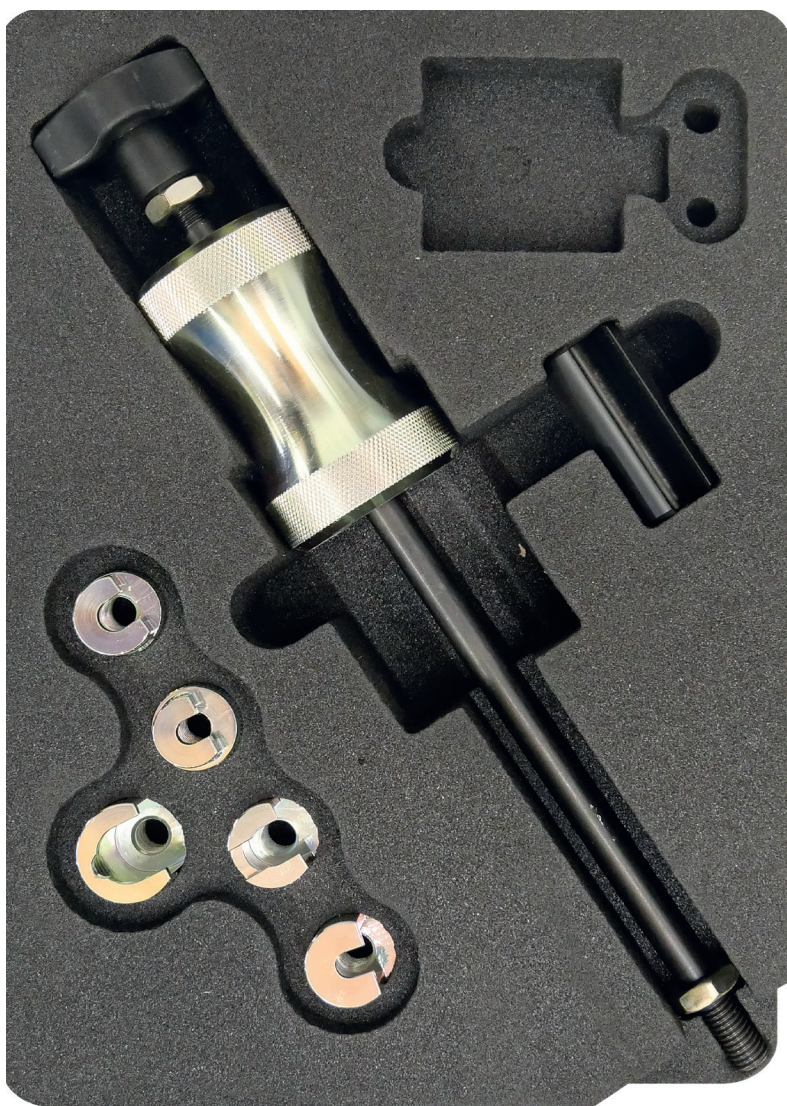




KL-0187-100 / KL-0187-100 E

Injector Extractor Kit for Direct Injection Petrol Engines



Product information EN
⚠ Read and understand before use!



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Product description

KL-0187-100 / KL-0187-100 E Injector extractor kit for direct injection petrol engines

Fits universally for passenger cars and vans with direct injection petrol engines with BOSCH, SIEMENS VDO, CONTINENTAL, MAGNETI-MARELLI, and DENSO injectors.

Installed for example on VW-Audi, Seat, Škoda (FSI, TSI, TFSI), Alfa Romeo, BMW, Ford, Hyundai, Nissan, Mercedes, Opel, and many more.

For quick and professional removal of injectors on direct injection petrol engines. Required, for example, when replacing the injectors and when dismantling the valve cover. For this, the injector is loosened and pulled out using the impact extractor. The different extractors allow safe operation on the respective injector.

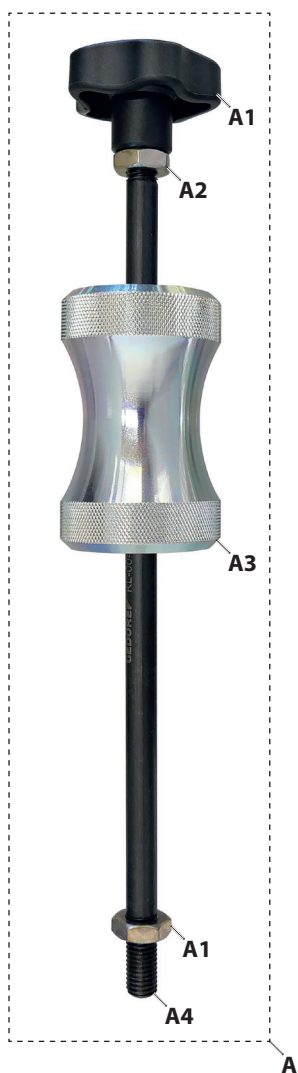
Alternative tools: VW T10133, T10133/1, T10133/2, T10133/3, T10133/9; BOSCH 0986616101; Ford 205-047, 205-047-08, 310-206; Nissan KV10119600; Opel / Vauxhall J-37281-A

Recommended Accessories: KL-0187-101 - Injector repair kit

Scope of supply / Single part overview

Item	Part no.	Description	Qty.
A	KL-0049-101	Impact extractor (base unit)	1
A1	KL-0121-4003	Handle	1
A2	KL-0049-1003	Hex nut M10	2
A3	KL-0049-1013	Impact weight	1
A4	KL-0049-1011	Pull rod	1
B	-	Puller ..	-
B1	KL-0187-1001	Puller size 1	1
B2	KL-0187-1002	Puller size 2	1
B3	KL-0187-1003	Puller size 3	1
B4	KL-0187-1004	Puller size 4	1
B5	KL-0187-1005	Puller size 5	1
C	KL-0049-1205	Plastic sleeve	1
-	KL-0187-1090	Foam insert *1 / *2	1
-	KL-4990-9274	Plastic case (without insert) *1	1

i *1 Available as an accessory. / *2 Included with KL-0187-100 E.



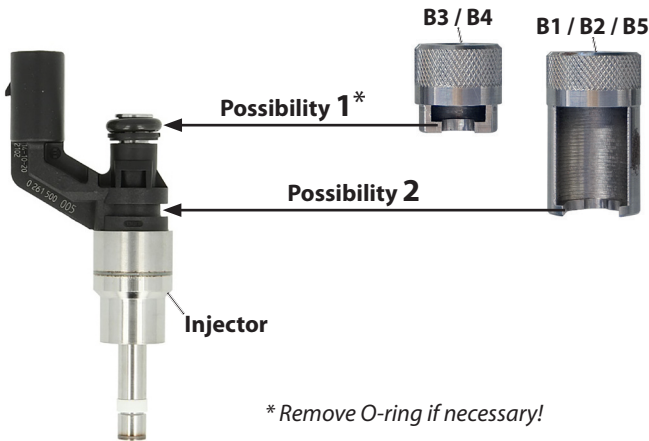
Specifications

Impact weight:0.8kg
 Length of impact extractor:..... 300mm
 Mounting thread for impact extractor:M10

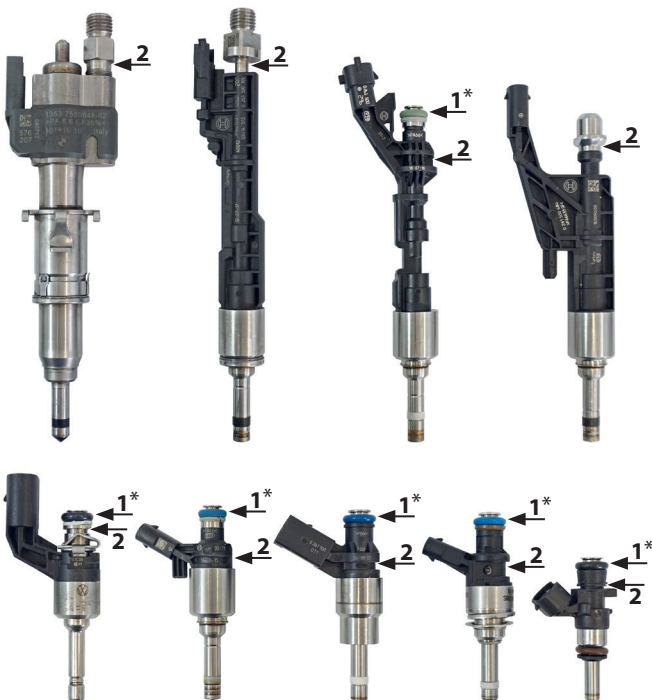
📷 1: Disassemble all necessary parts according to the manufacturer's instructions.



📷 2: Depending on the injector, select the appropriate puller [B..].



Examples of **possibilities** to mount to injectors:



⚠️ Safety instructions and regulations

- ✔ Read and understand this product information of the special tool and observe all safety instructions for safe use!
- ✔ Please note that maintenance work and repairs on motor vehicles must be carried out by trained specialists in specialist automotive workshops, taking into account occupational safety and accident prevention!
- ✔ Before each use, check the special tool for damage and replace damaged or worn parts before use!
- ✔ The specified vehicle-specific data is given with reservations always observe vehicle-specific application procedures in the vehicle manufacturer's repair manual!

EN

Typical application

This application example describes the extraction of an injector on a direct injection petrol engine.

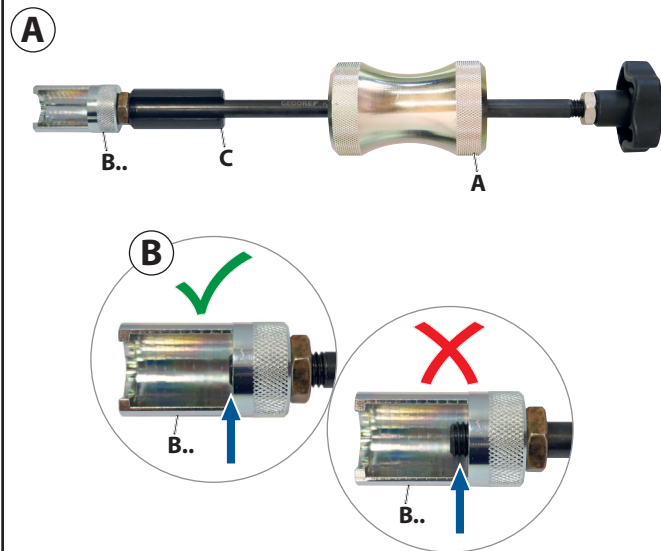
1. For the following work, loosen all necessary parts according to the manufacturer's instructions. For example, disassemble the fuel distribution pipe on the injectors and disconnect the electrical connectors. 📷 1

CAUTION

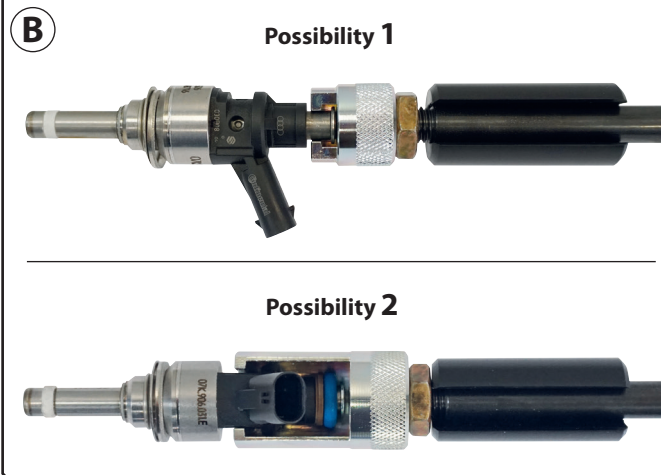
The injector may be damaged!

- ✔ When selecting the puller [B..], ensure that it engages completely and cleanly on the injector!
2. Select a suitable puller [B..] depending on the injector and the **possibility of attachment**. 📷 2
- ① If necessary, the O-ring on the injector must first be removed for attachment according to **possibility 1!**

📷 3: Prepare the impact extractor **[A]** accordingly.



📷 4: Carefully loosen the injector and pull it out.



CAUTION

The injector and the injector extractor may be damaged.

✔ When screwing on, make sure that the extractor **[B..]** is flush with the thread on the impact extractor **[A]**! **📷 3B**

3. Screw the extractor **[B..]** onto the impact extractor **[A]**.

📷 3A

Next, attach the plastic sleeve **[C]** to the impact extractor **[A]** as shown in **📷 3A**.

CAUTION

The injector may be damaged!

✔ Make sure that the puller **[B..]** engages completely and cleanly on the injector!

✔ Pull out the injector as straight as possible!

4. Before pulling out a stuck injector, it is helpful to loosen it by carefully tapping it in the direction of the cylinder head. Attach the puller **[B..]** to the injector as **appropriate (📷 4B)**. Now loosen the injector with the aid of the impact extractor **[A]** by carefully tapping in the direction of the cylinder head. Then remove the injector out of the cylinder head with careful taps. **📷 4A**

5. Remove the injector extractor and all associated components. Carry out further work on the engine, and install the injector according to the manufacturer's instructions.

ⓘ Before reinstalling a used injector, replace the combustion chamber seal ring (teflon ring) and the O-ring (fuel side) according to the manufacturer's instructions! We recommend our **injector repair kit for direct injection petrol engines - KL-0187-101**.