

**KL-0369-45**

**Injector Nozzle Puller with Pull Spindle**

(Pat. e.g. US-Patent 7,832,071)



**Suitable for Mercedes CDI engines OM 611, 612, 613, 646, 647 and 648 etc.**  
(not suitable for 646 EVO)

Essential tool for the removal of very tight-fitting injector nozzles in-situ on the vehicle. No need to remove the cylinder head from the vehicle.

**Procedure:**

Unscrew nozzle head, screw in pull spindle, insert the support rings, push support sleeve over the spindle and screw on shoulder nut. Then, pull out nozzle by turning shoulder nut.

**Scope of delivery:**

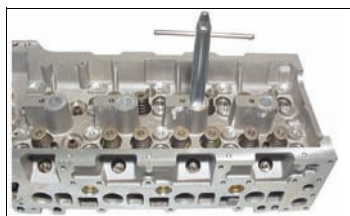
Support sleeve, pull spindle, shoulder nut M16x1.5, Support ring, Special bit insert 10 mm hex, axial bearing, circlip SB35, special socket insert 29 mm hex.

**Technical Data:**

Overall length	150 mm
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**KL-0369-20 A**

**Cleaning Tool for Injection Nozzle Seat**



**Suitable for the Common-Rail Diesel engines**

**Mercedes OM611, OM612, OM613, OM639, OM640, OM642, OM646, OM647, OM648, OM651, OM668, Smart R660**

**PSA 2.7 HDI / engine: DT17 and 3.0 HDI engine: DT20**

**Chrysler 2.5 crd / engine: OM664**

**Toyota 3.0 D-4D / engine: 1 KD-FTV**

**Toyota 2.2 D-4D / engine: 2 AD-FHV, 2 AD-FTV**

**Lexus 2.2 Diesel / engine: 2 AD-FHV**

In a single machining operation, the specially shaped cleaning tool produces a clean finish on the injector mounting hole and the nozzle seat.

Important before reinstalling an injection nozzle to prevent leakage between the cylinder head and the injector.

**Technical Data:**

Drive:	T-handle
Length:	261 mm
Cleaning tool-Ø:	7.5 / 17 / 19.1 mm

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**KL-0369-55 B**

**Compressed air adaptor for glow plug bore**



**Universal. Suitable for e.g. BMW, Mercedes, Chrysler, Opel/Vauxhall, Nissan Renault etc.**

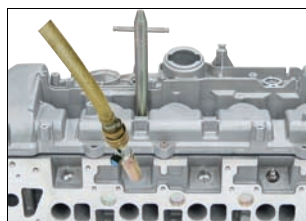
Screwing the compressed-air adaptor **KL-0369-55 B** into the glow plug bore and injecting air into the combustion chamber prevent impurities from entering the combustion chamber.

**Technical Data:**

Thread:	M10x1
Length:	178 mm
Pipe-Ø:	15 x 110 mm

**KL-0369-462 K**

**Cleaning Tool for Injector Nozzle Seal Seat with Compressed-air Adaptor**



**Suitable for Mercedes CDI engines OM 611, 612, 613, 646, 647, 648 and 668**  
(not suitable for 646 EVO)

In a single machining operation, the specially shaped cleaning tool produces a clean finish on the injector mounting hole, the nozzle seal seat and the small aperture leading to the combustion chamber.

Screwing the compressed-air adaptor **KL-0369-55 A** into the glow plug bore hole and injecting air into the combustion chamber prevent impurities from entering the combustion chamber.

**Scope of Delivery:**

**KL-0369-462 Cleaning Tool for Injector Nozzle Seal Seat**

Part No.	Description	Qty.
KL-0369-20 A	Cleaning Tool for Injector Nozzle Seal Seat	1
KL-0369-55 A	Compressed-air adaptor for glow plug bore M10x1	1
KL-1383-1329	Plastic storage case	1