

Cleaning Tool for Injection Nozzle Seal Seat

(German Utility Model)

KL-0186-50

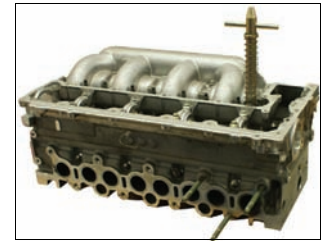
Universally suitable for engines with an injection nozzle seal diameter of 17 mm.

The cleaning tool **KL-0186-50** enables the quick and professional cleaning of the injection nozzle seat. Indispensable before re-installing an injection nozzle to avoid leakage between cylinder head and injection nozzle.

The spring-loaded centring cone sleeve ensures accurate guiding of the cleaning tool into the injection nozzle bore, thus enabling the seal seat to be cleaned accurately and without any trouble.

Technical Data:

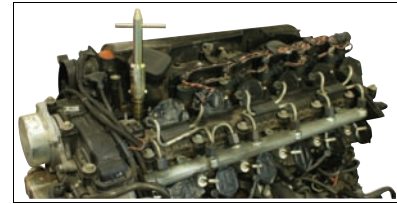
Drive:	T-Handle
Length:	238 mm
Cleaning tool-Ø:	7.5 / 17 mm



Extension (150 mm)

KL-0186-501

Extension **KL-0186-501** is specially designed for very deep-seated injector nozzles. It is used in conjunction with the universal cleaning tool **KL-0186-50**.



Cleaning Tool for Injector Nozzle Seat

KL-0583-102

Suitable for BMW Common-Rail Diesel engines M47TU, M57 and M57TU.

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.

Indispensable procedure before re-installing an injection nozzle to avoid leakage between cylinder head and injection nozzle.

Technical Data:

Drive:	T-handle
Length:	296 mm
Cleaning tool Ø:	7.5 / 17 / 23.7 mm



Cleaning Tool for Injector Nozzle Seat

KL-0583-1031

Suitable for BMW Common-Rail Diesel engines M47.

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.

Indispensable procedure before re-installing an injection nozzle to avoid leakage between cylinder head and injection nozzle.

Technical Data:

Drive:	T-handle
Length:	290 mm
Cleaning tool Ø:	7.5 / 17 mm



Cleaning Tool for Injection Nozzle Seat

KL-0369-20 A

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

