

Injector Nozzle Puller Set Renault 3.0 dci

(German Utility Model)

KL-0186-19 K

Suitable for Renault, Nissan, Vauxhall/Opel 3.0L Common Rail Diesel engines (engine code: ZD3) such as Renault: Master (II and III), Master Maxi; Nissan: Cabstar (III), Instar, Patrol (III), Patrol GR (II), Terano and Vauxhall/Opel: Movano (II).

The injector nozzle puller **KL-0186-19 K** enables the removal of very tight-fitting injector nozzles in-situ on the vehicle without the need to remove the cylinder head from the vehicle.

By using the special extraction bridge and pull spindle, the injector nozzle can be extracted quickly and easily. (The injector nozzle has to be opened for this.)
Procedure: Unscrew nozzle head, screw in pull spindle, unscrew valve cover screws (4 units), assemble extraction bridge and screw on shoulder nut. Extract injector nozzle by turning shoulder nut.



Scope of Delivery: KL-0186-19 K Injector Nozzle Puller Set Renault 3.0 dci

Part No.	Description	Qty.
KL-0186-191	Extraction Bridge without spindle	1
KL-0186-1611 H	Pull spindle M20x1, 250 mm long	1
KL-0186-1215	Shoulder nut M16x1.5	1
KL-0583-1005	Pull spindle M17x1, 200mm long	1
KL-0369-4505 A	Special bit insert size 10mm	1
KL-0369-461 A	Special socket size 29mm 1/2" drive	1
KL-0014-0030	Molybdenum disulfide paste 50 g	1
KL-0186-1290	Plastic storage case	1

Upgrade kit for KL-0186-14 K (to form KL-0186-19 K)

KL-0186-190

The upgrade kit **KL-0186-190** enables the injector nozzle puller **KL-0186-14 K** also to be used for Renault, Nissan, Vauxhall/Opel 3.0L Common Rail Diesel engines (engine code: ZD3) such as Renault: Master II, Master III, Master Maxi; Nissan: Cabstar III, Instar, Patrol III, Patrol GR II, Terano and Vauxhall/ Opel: Movano II.

Scope of Delivery: KL-0186-190 Upgrade kit for KL-0186-14 K

Part No.	Description	Qty.
KL-0186-1235	Set of support bolts M6	1
KL-0186-1611 H	Pull spindle M20x1, 250 mm long	1



Cleaning Tool for Injector Nozzle Seat

KL-1283-112

Suitable for the Common-Rail Diesel engines F9Q on Renault, Nissan, Vauxhall/Opel, Suzuki, Mitsubishi 1.9 dTi, 1.9 dCi, 1.9 CDTI, 1.9 Di, 1.9 DDIs, 1.9 Di-D.

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.



Cleaning Tool for Injector Nozzle Seat

KL-1283-122

Suitable for the Common-Rail Diesel engines K9K on Renault, Suzuki, Nissan, Dacia 1.5 dCi, 1.5 DDIs.

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:	265 mm
Cleaning tool Ø:	7.5 / 17 / 20.1 mm